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Osteological data report

*Bronze Age urned cremation
burials of Mainland Scotland:
mortuary ritual and
cremation technology*

Appendix to doctoral thesis

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Report structure

This report is made up of several nested sections:

Section 1 detail site name, location, identification and notes.

Section 2 describe aspects of the deposit(s) associated with the site, including the level of fragmentation of the material, urn typology, demographics and summary statistics.

Sections 3-6 present each individual find within the deposit(s), including individuals (MNI, age, sex), pyre goods, inclusions, identified bone fragments and features (observations) on the bones.

Reading the data

For each individual, the indicators used to derive e.g. age and sex are shown. Only indicators that can be tied to a specific individual are shown for each individual. Indicators that cannot be tied to an individual are included in the data tables for identified bone fragments.

Details of important features, such as sexing and aging markers, stains and poor calcination, follow immediately after the presentation of the related fragment information.

Where data is missing, fields will simply appear blank.

Osteological data report for Abden, Kinghorn

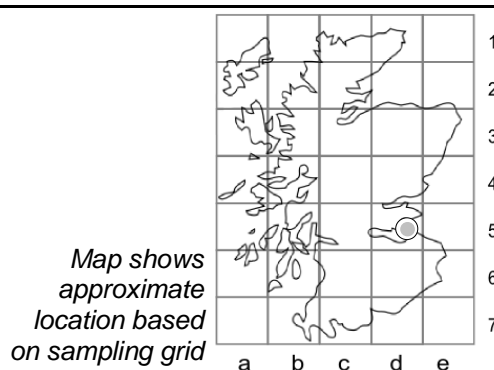
1.1 Site details for Abden, Kinghorn

Classification and identification

Site type: Flat cemetery
Canmore ref: 52735
Excavated: 1848
Deposits: 1

Location

Local authority: Fife
Easting: 327101
Northing: 687006



Minimum number of individuals (MNI)

MNI: 1
Males: Adult: 1
Females: Child/adolescent:
Infant:

Osteological data report for Abden, Kinghorn

1.2 Deposit details for 'EA 4'

Deposit details

Deposit ID: EA 4
Urn type: Vase Urn
Entered: 03/06/2011 09:15:04

Radiocarbon date

Lab number:
BP date: +/-
Cal BC*: -

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 1510g
Extraneous material: 344g
Est. inclusion 2-5mm: 78g (40%)
Total human bone: 1088g
Human bone weights by sieving fraction:
>10mm: 638g
5-10mm: 333g
2-5mm: 195g

Largest cranial and post cranial fragments

42.81mm Parietal
84.35mm Iliac crest

Identified bone fragments

Total identified bone: 198g (18%)
No. of ident. fragments: 144
Mean ident. fragment: 1.38g
Identified fragment weights by body element:
Skull: 88g
Axial: 19g
Lower limb: 65g
Upper limb: 26g

Pyre inferences

Poorly calcined fragments: 17 (12%)
Turquoise staining: 4 (3%)

Osteological data report for Abden, Kinghorn

1.2.1 Individuals in 'EA 4'

No.	Sex	Age		
1	??	Adult	Over 25, vertebrae suggests middle age.	Lipping on vertebrae.
	Ageing indicator	Ilium	Iliac crest fully fused, age over 17-23	
	Ageing indicator	Ilium	Auricular surface too damaged for ageing	
	Ageing indicator	Lumbar vertebra	Annular rings fused, age over mid-twenties	
	Ageing indicator	Cervical vertebra	Annular rings fused, age over mid-twenties	
	Ageing indicator	Thoracic vertebra	Annular rings fused, age over mid-twenties	
	Ageing indicator	Dentition	Mand 3rd molar fully formed, age over 21	
	Ageing indicator	Parietal	Lambd suture obliterated internally	
	Ageing indicator	Parietal	Sag suture obliterated internally	
	Ageing indicator	Parietal	Sutures obliterated internally	
	Pathology	Lumbar vertebra	Moderate marginal lipping	
	Pathology	Thoracic vertebra	Moderate marginal lipping seen on all bodies	

1.2.2 Pyre goods in 'EA 4'

Quantity Material Typology/classification Description

1.2.3 Inclusions in 'EA 4'

Weight (g) Inclusion type

70 Pottery

1.2.4 Bone fragments in 'EA 4'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
36	Skull	Unspecified	Skull vault	White	3267
15	Skull	Unspecified	Skull vault	White	3268
			► Stain: Endocranial surface. Pale orange to dark red, slip-like in places		
3	Skull	Unspecified	Skull vault	White	3269
			► Specks: Sparse, but both endo- and ectocranially. Pale turquoise		
1	Skull	Unspecified	Skull vault	White	3270
			► Poor calcination: Diploe. Mid to dark grey, sandwich effect		
1	Skull	Unspecified	Skull vault	White	3271
			► Poor calcination: Localised on ectocranial surface. Light grey		
2	Skull	Parietal	Skull vault	White	3272
			► Ageing indicator: . Sutures obliterated internally		
2	Skull	Parietal	Skull vault	White	3273
			► Poor calcination: Diploe. Light grey, sandwich effect		
1	Skull	Parietal	Skull vault	White	3274
			► Stain: Endocranial. Pale reddish orange		
1	Skull	Parietal	Skull vault, occipital angle	White	3275

Osteological data report for Abden, Kinghorn

1.2.4 Bone fragments in 'EA 4'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
			▶ Stain: Endocranial surface. Pinkish brown, slip-like layer, uneven "bubbly"		
			▶ Ageing indicator: . Sag suture obliterated internally		
			▶ Ageing indicator: . Lambd suture obliterated internally		
1	Skull	Parietal	Skull vault	White	3276
			▶ Stain: Endocranial surface. Reddish brown, slip-like layer		
1	Skull	Occipital	Skull vault, w tempo-occipital suture	White	3277
1	Skull	Occipital	Frag w inferior nuchal line	White	3278
1	Skull	Occipital	Frag w border of foramen magnum	White	3279
5	Skull	Temporal bone	Frag	White	3280
1	R Skull	Temporal bone	Petrous part	White	3281
			▶ Poor calcination: Inside bone. Mid grey, sandwich effect		
1	L Skull	Temporal bone	Petrous part	White	3282
1	R Skull	Maxilla	Frag of alveolar process w alveoli	White	3283
3	Skull	Maxilla	Frag of alveolar process w alveoli	White	3284
1	Skull	Mandible	Frag of body w alveoli	White	3285
1	R Skull	Mandible	Condyle	White	3286
5	Skull	Dentition	Small tooth root frags		3287
1	Skull	Dentition	Mand 2nd perm incisor		3288
1	Skull	Dentition	Mand 1st premolar		3289
1	Skull	Dentition	Mand 2nd premolar		3290
1	Skull	Dentition	Frag of mand 1st or 2nd perm molar		3291
1	Skull	Dentition	Frag of mand 1st perm molar		3292
1	Skull	Dentition	Frag of mand 3rd molar		3293
			▶ Ageing indicator: . Mand 3rd molar fully formed, age over 21		
4	Axial	Rib fragments	Shaft frags	White	3294
1	Axial	Atlas vertebra	Frag	White	3295
4	Axial	Cervical vertebra	Frag of bodies	White	3296
			▶ Ageing indicator: . Annular rings fused, age over mid-twenties		
5	Axial	Thoracic vertebra	Frag of bodies	White	3297
			▶ Ageing indicator: . Annular rings fused, age over mid-twenties		
			▶ Pathology: . Moderate marginal lipping seen on all bodies		
3	Axial	Lumbar vertebra	Frag of bodies	White	3298
			▶ Ageing indicator: . Annular rings fused, age over mid-twenties		
			▶ Pathology: On one frag. Moderate marginal lipping		
1	Axial	Lumbar vertebra	Frag of body and sup art facet	White	3299
			▶ Specks: Extensive. Pale green/turquoise		
2	Upper limb	Clavicle	Frag	White	3300
1	Upper limb	Humerus	Frag of head	White	3301
1	Upper limb	Humerus	Frag of head	White	3302
1	Upper limb	Humerus	Frag of shaft	White	3303
3	Upper limb	Humerus	Frag of distal end, trochlea	White	3304
1	R Upper limb	Scaphoid	Frag	White	3305

Osteological data report for Abden, Kinghorn

1.2.4 Bone fragments in 'EA 4'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Poor calcination: Concave facet. Light grey		
4	Upper limb	Metacarpal	Frag	White	3306
			▶ Poor calcination: Inside spongy bone. Light grey		
2	Upper limb	Hand phalanges	Frag, proximal or intermediate	White	3307
			▶ Poor calcination: Inside bone. Light grey		
1	Upper limb	Scaphoid	Frag of glenoid fossa	White	3308
3	Lower limb	Ilium	Frag	White	3309
1	Lower limb	Ilium	Frag w auricular surface	White	3310
			▶ Stain: Around edges, by auricular surface. Dark brown		
			▶ Ageing indicator: . Auricular surface too damaged for ageing		
1	Lower limb	Ilium	Iliac crest	White	3311
			▶ Ageing indicator: . Iliac crest fully fused, age over 17-23		
2	Lower limb	Femur	Shaft frags	White	3312
1	Lower limb	Femur	Shaft frag	White	3313
			▶ Stain: Outer surface, small area. Orange-brown, slip-like		
2	Lower limb	Femur	Shaft frags w linea aspera	White	3314
			▶ Poor calcination: Inside bone, also some in medullary cavity. Light grey, sandwich effect		
1	Lower limb	Patella	Frag	White	3315
1	Lower limb	Tibia	Frag of proximal end, epicondyles	White	3316
			▶ Poor calcination: Inside spongy bone, small area. Mid grey		
1	Lower limb	Fibula	Shaft frag	White	3317
			▶ Poor calcination: Small area on surface. Mid grey		
1	Lower limb	Calcaneus	Frag	White	3318
1	Lower limb	Calcaneus	Frag of sustentaculum tali	White	3319
			▶ Poor calcination: Small area inside spongy bone. Mid grey		
1	Lower limb	Talus	Frag	White	3320
1	Lower limb	Lateral cuneiform	Frag	White	3321
1	Lower limb	Medial cuneiform	Frag	White	3322
1	Lower limb	Metatarsal bone	Frag of 1st	White	3323
1	Lower limb	Metatarsal bone	Frag	White	3324

Osteological data report for Ardeer Sandhills (Misk Knowes)

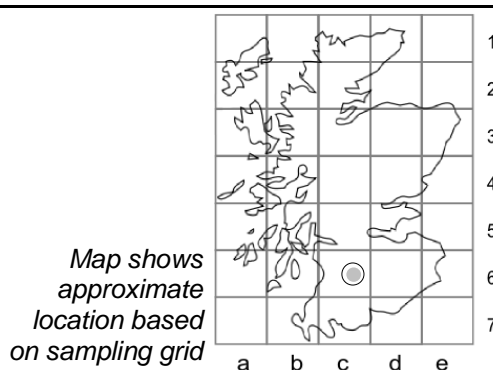
2.1 Site details for Ardeer Sandhills (Misk Knowes)

Classification and identification

Site type: Flat cemetery
Canmore ref: 41098
Excavated: 1906
Deposits: 1

Location

Local authority: Ayrshire
Easting: 228697
Northing: 641266



Minimum number of individuals (MNI)

MNI: 1
Males: Adult: 1
Females: 1 Child/adolescent:
Infant:

Osteological data report for Ardeer Sandhills (Misk Knowes)

2.2 Deposit details for 'Unregistered'

Deposit details

Deposit ID: Unregistered

Urn type: Bucket urn

Entered:

Radiocarbon date

Lab number: GrA-34770

BP date: 3350 +/- 35

Cal BC*: 1520 - 1740

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1

Individuals by sex:

Male:

Female: 1

Individuals by age category:

Foetal/infant:

Child/adolescent:

Adult: 1

Composition of deposit by weight

Total initial weight: 200g

Extraneous material: 15g

Est. inclusion 2-5mm: 0g (0%)

Total human bone: 185g

Human bone weights by sieving fraction:

>10mm: 176g

5-10mm: 9g

2-5mm: 0g

Largest cranial and post cranial fragments

42mm Unspecified

87mm Femur

Identified bone fragments

Total identified bone: 100g (54%)

No. of ident. fragments: 29

Mean ident. fragment: 3.45g

Identified fragment weights by body element:

Skull: 21g

Axial: 2g

Lower limb: 66g

Upper limb: 11g

Pyre inferences

Poorly calcined fragments: 11 (38%)

Turquoise staining: 4 (14%)

Osteological data report for Ardeer Sandhills (Misk Knowes)

2.2.1 Individuals in 'Unregistered'

No. Sex Age

1	?F	Adult	Adult, unspecified, age probably not too advanced.	None identified
	Ageing indicator	Unspecified	open sutures	
	Sexing indicator	Ilium	Sciatic notch scores 1, female	

2.2.2 Pyre goods in 'Unregistered'

Quantity Material Typology/classification Description

2.2.3 Inclusions in 'Unregistered'

Weight (g) Inclusion type

2.2.4 Bone fragments in 'Unregistered'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Skull	Unspecified	Skull vault ▶ Poor calcination: . Poor calcination, sandwich effect	White	88
1	L Skull	Maxilla	Fragment with alveoli ▶ Poor calcination: . Some poor calcination	White	89
1	R Skull	Temporal bone	Petrous part ▶ Specks: widespread. turquoise	White	90
1	L Skull	Temporal bone	Petrous part	White	91
1	Skull	Unspecified	Skull vault ▶ Ageing indicator: . open sutures	White	92
1	Skull	Unspecified	Skull vault ▶ Specks: Endocranial. Turquoise	White	93
3	Skull	Unspecified	Skull vault	White	94
1	Axial	Lumbar vertebra	Fragment of body	White	95
1	Axial	Cervical vertebra	Fragment of body ▶ Poor calcination: . Some poor calcination	White	96
1	Axial	Atlas vertebra	Superior articular facet ▶ Poor calcination: . Some poor calcination	White	97
1	Lower limb	Foot phalanx	Fragmentary	White	98
1	Upper limb	Humerus	Fragment of head ▶ Poor calcination: Interior head. Some poor calcination	White	99
3	Lower limb	Femur	Shaft ▶ Poor calcination: . Sandwich effect, grey and black, v. Poor calcinati	Black	100
1	Lower limb	Femur	Neck ▶ Poor calcination: Interior. Some poor calcination	White	101
3	Lower limb	Femur	Shaft	White	102
1	Upper limb	Ulna	Shaft	White	103
1	Lower limb	Femur	Proximal shaft	White	104

Osteological data report for Ardeer Sandhills (Misk Knowes)

2.2.4 Bone fragments in 'Unregistered'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Specks: Outer surface. Pale turquoise		
			▶ Other: . Longest fragment at 87.47 mm		
1	Upper limb	Clavicle	Shaft	White	105
1	Lower limb	Ilium	Greater sciatic notch	White	106
			▶ Sexing indicator: Greater sciatic notch. Sciatic notch scores 1, female		
1	Lower limb	Ilium	Part of iliac crest	White	107
1	Lower limb	Ilium	Fragment	White	108
			▶ Specks: . Bright turquoise		
1	Lower limb	Femur	Fragment of distal surface with condyles	White	109
			▶ Specks: . Pale green		
1	Skull	Unspecified	Skull vault	Black	110
			▶ Other: . Part of ectocranial suture white, rest black		
			▶ Other: . Longest cranial fragment at 42.10 mm		

Osteological data report for Balrownie

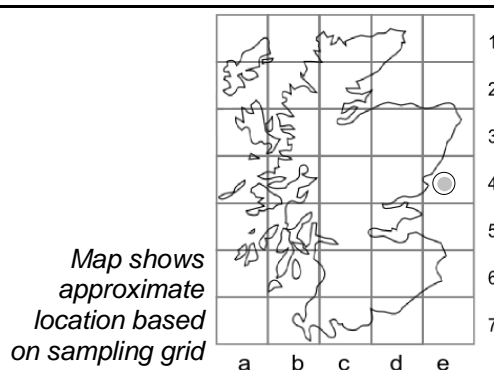
3.1 Site details for Balrownie

Classification and identification

Site type: Flat cemetery
Canmore ref: 35052
Excavated:
Deposits: 2

Location

Local authority: Angus
Easting: 357889
Northing: 763685



Minimum number of individuals (MNI)

MNI: 4
Males: Adult: 2
Females: Child/adolescent: 2
Infant:

Osteological data report for Balrownie

3.2 Deposit details for 'EQ 481'

Deposit details

Deposit ID: EQ 481
Urn type: Vase urn
Entered: 29/06/2011 18:23:07

Radiocarbon date

Lab number:
BP date: 0 +/- 0
Cal BC*: 0 - 0

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 2
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent: 1
Adult: 1

Composition of deposit by weight

Total initial weight: 895g
Extraneous material: 52g
Est. inclusion 2-5mm: 1g (10%)
Total human bone: 842g
Human bone weights by sieving fraction:
>10mm: 647g
5-10mm: 182g
2-5mm: 14g

Largest cranial and post cranial fragments

55.92mm Parietal
56.64mm Humerus

Identified bone fragments

Total identified bone: 298g (35%)
No. of ident. fragments: 150
Mean ident. fragment: 1.99g
Identified fragment weights by body element:
Skull: 148g
Axial: 35g
Lower limb: 81g
Upper limb: 34g

Pyre inferences

Poorly calcined fragments: 12 (8%)
Turquoise staining: 17 (11%)

Osteological data report for Balrownie

3.2.1 Individuals in 'EQ 481'

No. Sex Age

1	??	Adult		
	Ageing indicator	Thoracic vertebra	Annular rings fused, age over mid 20s	
	Pathology	Thoracic vertebra	Schmorl's node? C. 10x4 mm	
2	??	Child/adolescent		
	Ageing indicator	Unspecified	V thin and childlike	

3.2.2 Pyre goods in 'EQ 481'

Quantity Material Typology/classification Description

3.2.3 Inclusions in 'EQ 481'

Weight (g) Inclusion type

2 Pottery

3.2.4 Bone fragments in 'EQ 481'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
30	Skull	Unspecified	Skull vault	White	5200
15	Skull	Unspecified	Skull vault	White	5201
			► Ageing indicator: . V thin and childlike		
5	Skull	Unspecified	Skull vault	White	5202
			► Specks: On both surfaces. Pale turquoise		
6	Skull	Unspecified	Skull vault	White	5203
			► Poor calcination: Diploe. Light to mid grey, sandwich effect		
5	Skull	Parietal	Skull vault	White	5204
6	Skull	Occipital	Frag, incl cruciform eminence and sulci	White	5205
1	Skull	Occipital	Frag, w transverse sulcus	White	5206
			► Specks: Endocranial surface. Pale turquoise		
15	Skull	Temporal bone	Frag	White	5207
3	Skull	Mandible	Small frags of body w alveoli	White	5208
1	Skull	Mandible	Frag of body and asc ramus	White	5209
1	L Skull	Zygomatic	Almost complete	White	5210
12	Axial	Rib fragments	Shaft frags	White	5211
1	Axial	Rib fragments	Shaft frag	White	5212
			► Poor calcination: Inside spongy bone. Mid grey		
2	Axial	Cervical vertebra	Frag of bodies	White	5213
1	Axial	Cervical vertebra	Frag of neural arch	White	5214
1	Axial	Atlas vertebra	Frag	White	5215
5	Axial	Thoracic vertebra	Frag of bodies	White	5216
1	Axial	Thoracic vertebra	Frag of body	White	5217

Osteological data report for Balrownie

3.2.4 Bone fragments in 'EQ 481'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
			▶ Pathology: . Schmorl's node? C. 10x4 mm		
			▶ Ageing indicator: . Annular rings fused, age over mid 20s		
1	Axial	Lumbar vertebra	Frag of body	White	5218
1	Upper limb	Scapula	Frag w part of glenoid fossa	White	5219
4	Upper limb	Humerus	Shaft frags	White	5220
			▶ Specks: Widespread and covers large parts of surface. Pale turquoise		
1	Upper limb	Humerus	Distal end, trochlea	White	5221
1	Upper limb	Radius	Shaft frag	White	5222
1	Upper limb	Scaphoid	Frag	White	5223
2	Upper limb	Metacarpal	Frag	White	5224
			▶ Poor calcination: Inside spongy bone in head. Mid grey		
7	Upper limb	Hand phalanges	Frag, proximal and intermediate	White	5225
1	Upper limb	Hand phalanges	Complete distal	White	5226
1	Upper limb	Hand phalanges	Frag distal 1st	White	5227
			▶ Specks: Most of palmar surface. Pale turquoise		
1	Axial	Sacrum	Frag of S1	White	5228
2	Lower limb	Ilium	Frag	White	5229
			▶ Poor calcination: Inside spongy bone. Light grey		
5	Lower limb	Femur	Shaft frags	White	5230
2	Lower limb	Femur	Shaft frags	White	5231
			▶ Specks: Outer surface and medullary cavity, widespread. Pale turquoise		
2	Lower limb	Femur	Frag of distal end, condyles	White	5232
1	L Lower limb	Patella	Frag	White	5233
			▶ Poor calcination: Inside spongy bone. Light grey		
			▶ Specks: Anterior surface. Pale turquoise		
3	Lower limb	Fibula	Shaft frags	White	5234
3	Lower limb	Fibula	Shaft frags	White	5235
			▶ Specks: Outer surface of bone. Pale turquoise		

Osteological data report for Balrownie

3.2 Deposit details for 'EQ 482'

Deposit details

Deposit ID: EQ 482
Urn type: Vase urn
Entered: 29/06/2011 18:23:20

Radiocarbon date

Lab number:
BP date: 0 +/- 0
Cal BC*: 0 - 0

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 2
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent: 1
Adult: 1

Composition of deposit by weight

Total initial weight: 990g
Extraneous material: 19g
Est. inclusion 2-5mm: 25g (30%)
Total human bone: 946g
Human bone weights by sieving fraction:
>10mm: 541g
5-10mm: 346g
2-5mm: 84g

Largest cranial and post cranial fragments

48.67mm Temporal
62.02mm Femur

Identified bone fragments

Total identified bone: 270g (29%)
No. of ident. fragments: 157
Mean ident. fragment: 1.72g
Identified fragment weights by body element:
Skull: 96g
Axial: 34g
Lower limb: 78g
Upper limb: 62g

Pyre inferences

Poorly calcined fragments: 6 (4%)
Turquoise staining: 4 (3%)

Osteological data report for Balrownie

3.4.1 Individuals in 'EQ 482'

No. Sex Age

1	??	Adult		
	Ageing indicator	Dentition	Mand 3rd molar fully formed, age over 21	
	Ageing indicator	Dentition	Max 3rd molar fully formed, age over 21	
2	??	Child/adolescent	Child/adolescent of unknown age.	
	Ageing indicator	Ilium	Iliac crest unfused, age under 17-23	
	Ageing indicator	Axis vertebra	Small, dens not fully formed?, age then under 12	
	Ageing indicator	Unspecified	Many of the fragments are thin and childlike	

3.4.2 Pyre goods in 'EQ 482'

Quantity Material Typology/classification Description

3.4.3 Inclusions in 'EQ 482'

Weight (g) Inclusion type

1	Pottery
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3.4.4 Bone fragments in 'EQ 482'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
55	Skull	Unspecified	Skull vault	White	5236
			► Ageing indicator: . Many of the fragments are thin and childlike		
2	Skull	Unspecified	Skull vault	White	5237
			► Poor calcination: Diploe. Light grey, sandwich effect		
2	Skull	Unspecified	Skull vault	White	5238
			► Specks: Few specks on ectocranial surface. Pale green/turquoise		
2	Skull	Parietal	Skull vault	White	5239
2	Skull	Occipital	Skull vault w transverse sulcus	White	5240
1	Skull	Temporal bone	Skull vault	White	5241
			► Specks: Endocranial. Pale turquoise		
7	Skull	Temporal bone	Frag, incl parts of mastoid process	White	5242
1	L Skull	Temporal bone	Frag w mandibular fossa	White	5243
2	Skull	Mandible	Frag of body w alveoli	White	5244
1	L Skull	Mandible	Frag of asc ramus and condyle	White	5245
1	R Skull	Mandible	Frag of condyle	White	5246
1	Skull	Dentition	Max 3rd molar		5247
			► Ageing indicator: . Max 3rd molar fully formed, age over 21		
3	Skull	Dentition	Frag of max 1st or 2nd molar		5248
1	Skull	Dentition	Small tooth root frag		5249
1	Skull	Dentition	Mand 3rd molar		5250
			► Ageing indicator: . Mand 3rd molar fully formed, age over 21		
1	Skull	Dentition	Max 2nd premolar		5251
1	Skull	Dentition	Mand 2nd perm incisor		5252

Osteological data report for Balrownie

3.4.4 Bone fragments in 'EQ 482'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Skull	Dentition	Max 1st premolar		5253
1	Skull	Dentition	Mand 2nd premolar		5254
1	Axial	Atlas vertebra	Frag	White	5255
1	Axial	Axis vertebra	Frag of body	White	5256
			▶ Ageing indicator: . Small, dens not fully formed?, age then under 12		
13	Axial	Rib fragments	Shaft frags	White	5257
1	Axial	Rib fragments	Shaft frag	White	5258
			▶ Poor calcination: Inside bone. Mid grey		
2	Axial	Cervical vertebra	Frag of neural arches, art facets	White	5259
2	Axial	Thoracic vertebra	Frag of bodies	White	5260
2	Axial	Thoracic vertebra	Frag of neural arches, art facets	White	5261
1	Axial	Lumbar vertebra	Frag of body	White	5262
1	Axial	Sacrum	Frag of S1	White	5263
			▶ Specks: Few but widespread. Pale turquoise		
3	Upper limb	Scapula	Frag	White	5264
5	Upper limb	Humerus	Shaft frags	White	5265
1	Upper limb	Humerus	Frag of distal end, trochlea	White	5266
2	Upper limb	Ulna	Shaft frags	White	5267
1	Upper limb	Ulna	Shaft frag	White	5268
			▶ Poor calcination: Inside bone. Light grey, sandwich effect		
1	Upper limb	Ulna	Shaft frag, proximal	White	5269
			▶ Poor calcination: Medullary cavity. Mid grey		
3	Upper limb	Radius	Shaft frags	White	5270
1	Upper limb	Radius	Shaft frag, proximal	White	5271
1	Upper limb	Pisiform	Complete bone	White	5272
5	Upper limb	Hand phalanges	Frag and complete proximal/intermediate	White	5273
6	Lower limb	Ilium	Frag	White	5274
1	Lower limb	Ilium	Frag w part of acetabulum	White	5275
1	Lower limb	Ilium	Iliac crest	White	5276
			▶ Ageing indicator: . Iliac crest unfused, age under 17-23		
6	Lower limb	Femur	Shaft frags	White	5277
1	Lower limb	Femur	Shaft frag	White	5278
			▶ Poor calcination: Medullary cavity. Light grey		
1	Lower limb	Tibia	Frag of proximal end, tibial plateau	White	5279
2	Lower limb	Tibia	Shaft frags	White	5280
3	Lower limb	Fibula	Shaft frags	White	5281
1	Lower limb	Fibula	Shaft frag	White	5282
			▶ Specks: On surface, covers large area. Pale green		
1	Lower limb	Intermediate cuneiform	Frag	White	5283
1	Lower limb	Foot phalanges	Complete intermediate	White	5284

Osteological data report for Blacklaw, Ford

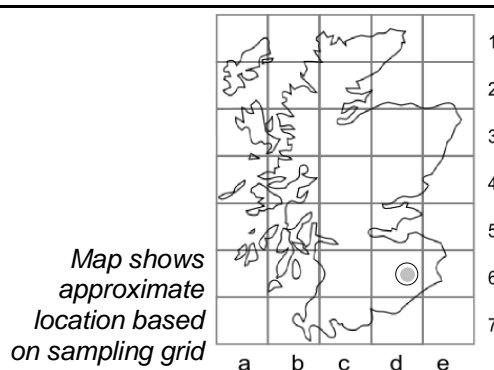
4.1 Site details for Blacklaw, Ford

Classification and identification

Site type: Cairn
Canmore ref: 54807
Excavated:
Deposits: 1

Location

Local authority: Midlothian
Easting: 342419
Northing: 661375



Minimum number of individuals (MNI)

MNI: 2

Males:	Adult:
Females:	Child/adolescent: 2
	Infant:

Osteological data report for Blacklaw, Ford

4.2 Deposit details for 'EA 54'

Deposit details

Deposit ID: EA 54
Urn type: Collared urn
Entered: 29/06/2011 18:00:22

Radiocarbon date

Lab number:
BP date: 0 +/- 0
Cal BC*: 0 - 0

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 2
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent: 2
Adult:

Composition of deposit by weight

Total initial weight: 541g
Extraneous material: 51g
Est. inclusion 2-5mm: 4g (20%)
Total human bone: 486g
Human bone weights by sieving fraction:
>10mm: 323g
5-10mm: 149g
2-5mm: 18g

Largest cranial and post cranial fragments

0mm
mm

Identified bone fragments

Total identified bone: 238g (49%)
No. of ident. fragments: 169
Mean ident. fragment: 1.41g
Identified fragment weights by body element:
Skull: 127g
Axial: 31g
Lower limb: 42g
Upper limb: 38g

Pyre inferences

Poorly calcined fragments: 1 (1%)
Turquoise staining: 1 (1%)

Osteological data report for Blacklaw, Ford

4.2.1 Individuals in 'EA 54'

No.	Sex	Age			
1	??	Child/adolescent			
	Ageing indicator	Scapula		Looks immature	
	Ageing indicator	Thoracic vertebra		Immature appearance	
	Ageing indicator	Rib fragments		V small, no epiphyses present, age below puberty	
	Ageing indicator	Dentition		Max 1st perm incisor, root forming, age c. 7-9	
	Ageing indicator	Dentition		Max 2nd dec molar fully formed, age c. 3-8	
	Ageing indicator	Unspecified		Thin and childlike	
2	??	Child/adolescent			
	Ageing indicator	Dentition		Mand 2nd premolar fully formed, age over 15	

4.2.2 Pyre goods in 'EA 54'

Quantity Material Typology/classification Description

4.2.3 Inclusions in 'EA 54'

Weight (g) Inclusion type

28 Pottery

4.2.4 Bone fragments in 'EA 54'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
60	Skull	Unspecified	Skull vault	White	4983
			► Ageing indicator: . Thin and childlike		
6	Skull	Wormian bone	Complete ones and frags	White	4984
1	Skull	Unspecified	Skull vault	White	4985
			► Specks: On both endo- and ectocranial surface. Pale turquoise		
2	Skull	Parietal	Skull vault	White	4986
4	Skull	Occipital	Skull vault, incl transverse sulci	White	4987
9	Skull	Temporal bone	Frag	White	4988
1	L Skull	Temporal bone	Petrous part	White	4989
3	Skull	Maxilla	Frag of alveolar process w alveoli	White	4990
2	Skull	Maxilla	Frag w sinuses	White	4991
1	Skull	Dentition	Frag of max 2nd dec molar	White	4992
			► Ageing indicator: . Max 2nd dec molar fully formed, age c. 3-8		
2	Skull	Dentition	Small tooth root frags	White	4993
1	Skull	Dentition	Max 1st perm incisor	White	4994
			► Ageing indicator: . Max 1st perm incisor, root forming, age c. 7-9		
1	Skull	Dentition	Mand 2nd premolar	White	4995
			► Ageing indicator: . Mand 2nd premolar fully formed, age over 15		
21	Axial	Rib fragments	Shaft frags	White	4996
1	Axial	Rib fragments	Shaft frags	White	4997
			► Poor calcination: Surface. Mid grey		

Osteological data report for Blacklaw, Ford

4.2.4 Bone fragments in 'EA 54'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Axial	Rib fragments	Shaft frag	White	4998
			▶ Ageing indicator: . V small, no epiphyses present, age below puberty		
1	Axial	Sternum	Frag of manubrium	White	4999
1	Axial	Cervical vertebra	Frag of body	White	5000
3	Axial	Cervical vertebra	Frag of neural arch, w art facets	White	5001
2	Axial	Thoracic vertebra	Frag of bodies	White	5002
			▶ Ageing indicator: . Immature appearance		
4	Axial	Thoracic vertebra	Frag of neural arches	White	5003
1	Axial	Lumbar vertebra	Transverse process	White	5004
1	Axial	Sacrum	Frag of S1	White	5005
4	Upper limb	Humerus	Shaft frags	White	5006
1	Upper limb	Humerus	Frag of distal end	White	5007
			▶ Ageing indicator: . Distal epiphysis unfused, age under 11-17		
3	Upper limb	Ulna	Shaft frags	White	5008
1	Upper limb	Ulna	Frag of proximal end	White	5009
			▶ Ageing indicator: . Proximal epiphysis unfused, age under 12-16		
2	Upper limb	Radius	Shaft frags	White	5010
1	Upper limb	Radius	Frag of proximal end	White	5011
			▶ Ageing indicator: . Proximal epiphysis unfused, age under 11.5-17		
1	Upper limb	Scapula	Frag of glenoid fossa	White	5012
			▶ Ageing indicator: . Looks immature		
1	Upper limb	Radius	Frag of distal epiphysis	White	5013
			▶ Ageing indicator: . Distal epiphysis unfused, age under 14-20		
1	Upper limb	Humerus	Frag of distal epiphysis	White	5014
			▶ Ageing indicator: . Distal epiphysis unfused, age under 13-17		
1	Upper limb	Metacarpal	Frag	White	5015
			▶ Ageing indicator: . Head unfused, age under 14-16		
9	Upper limb	Hand phalanges	Frag and complete proximal and intermediate	White	5016
			▶ Ageing indicator: . Bases unfused, age under 14-16		
3	Lower limb	Ilium	Frag	White	5017
1	Lower limb	Femur	Frag of head	White	5018
			▶ Ageing indicator: . Head unfused, age under 12-19		
1	Lower limb	Femur	Small frag of head	White	5019
1	Lower limb	Femur	Frag of neck	White	5020
			▶ Ageing indicator: . Head unfused, age under 12-19		
1	Lower limb	Femur	Frag of neck	White	5021
			▶ Ageing indicator: . Head unfused, age under 12-19		
1	Lower limb	Femur	Shaft frag	White	5022
1 R	Lower limb	Femur	Distal end	White	5023
			▶ Ageing indicator: . Distal epiphysis unfused, age under 14-20		

Osteological data report for Blacklaw, Ford

4.2.4 Bone fragments in 'EA 54'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	L Lower limb	Femur	Distal end ▶ Ageing indicator: . Distal epiphysis unfused, age under 14-20	White	5024
1	R Lower limb	Femur	Distal epiphysis ▶ Ageing indicator: . Distal epiphysis unfused, age under 14-20	White	5025
1	L Lower limb	Femur	Distal epiphysis ▶ Ageing indicator: . Distal epiphysis unfused, age under 14-20	White	5026
1	Lower limb	Tibia	Proximal end ▶ Ageing indicator: . Proximal epiphysis unfused, age under 14-20	White	5027
1	Lower limb	Tibia	Proximal epiphysis ▶ Ageing indicator: . Proximal epiphysis unfused, age under 14-20	White	5028
1	Lower limb	Fibula	Shaft frag	White	5029

Osteological data report for Bognie

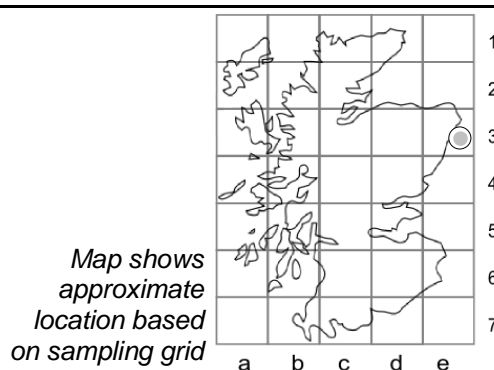
5.1 Site details for Bognie

Classification and identification

Site type: Flat cemetery
Canmore ref: 17805
Excavated:
Deposits: 2

Location

Local authority: Aberdeenshire
Easting: 359019
Northing: 844975



Minimum number of individuals (MNI)

MNI: 2
Males: Adult: 2
Females: 1 Child/adolescent:
Infant:

Osteological data report for Bognie

5.2 Deposit details for 'EA 102'

Deposit details

Deposit ID: EA 102
Urn type: Bucket urn
Entered: 27/10/2010 12:43:14

Radiocarbon date

Lab number:
BP date: +/-
Cal BC*: -

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female: 1
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 283g
Extraneous material: 21g
Est. inclusion 2-5mm: 5g (60%)
Total human bone: 257g
Human bone weights by sieving fraction:
>10mm: 163g
5-10mm: 90g
2-5mm: 9g

Largest cranial and post cranial fragments

49.3mm Mandible
40.1mm Femur

Identified bone fragments

Total identified bone: 74g (29%)
No. of ident. fragments: 45
Mean ident. fragment: 1.64g
Identified fragment weights by body element:
Skull: 35g
Axial: 4g
Lower limb: 16g
Upper limb: 19g

Pyre inferences

Poorly calcined fragments: 4 (9%)
Turquoise staining: 1 (2%)

Osteological data report for Bognie

5.2.1 Individuals in 'EA 102'

No. Sex Age

1 ?F Adult

Ageing indicator	Unspecified	Sutures obliterated internally, suggests adult
Ageing indicator	Parietal	Sagittal suture v faint, suggests adult
Ageing indicator	Dentition	Max 2nd premolar, age over 12-14
Ageing indicator	Mandible	Root of mand 1st perm molar, age over 10
Sexing indicator	Ilium	Greater sciatic notch scores 1, female

5.2.2 Pyre goods in 'EA 102'

Quantity Material Typology/classification Description

5.2.3 Inclusions in 'EA 102'

Weight (g) Inclusion type

4 Stone

5.2.4 Bone fragments in 'EA 102'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
4	Axial	Rib fragments	Shaft fragments	White	1814
1	Axial	Rib fragments	Shaft fragment, 1st rib	White	1815
2	Upper limb	Humerus	Shaft fragments	White	1816
1	Upper limb	Radius	Shaft fragment	White	1817
2	Upper limb	Ulna	Distal shaft fragments	White	1818
			► Poor calcination: Extensive. Sandwich effect		
2	Upper limb	Hand phalanges	Fragments of intermediate phalanges	White	1819
1	Lower limb	Femur	Shaft fragment	White	1820
1	Lower limb	Femur	Shaft fragment	White	1821
			► Poor calcination: . Sandwich effect		
1	Upper limb	Humerus	Fragment of trochlea	White	1822
1	Axial	Atlas vertebra	Fragment w superior articular facet	White	1823
1	Lower limb	Ilium	Greater sciatic notch	White	1824
			► Sexing indicator: Greater sciatic notch. Greater sciatic notch scores 1, female		
1	Upper limb	Scapula	Fragment	White	1825
1	Upper limb	Scapula	Fragment of glenoid fossa	White	1826
1	Lower limb	Talus	Fragment of trochlea	White	1827
1	Skull	Mandible	Frag of body w alveoli and tooth root	White	1828
			► Ageing indicator: Molar. Root of mand 1st perm molar, age over 10		
1	Skull	Dentition	Frag of root of max 2nd premolar		1829
			► Ageing indicator: Premolar. Max 2nd premolar, age over 12-14		
1	Skull	Mandible	Frag of ramus and part of chondyle	White	1830
1	Skull	Temporal bone	Fragment of mastoid	White	1831
1	L Skull	Temporal bone	Fragment of zygomatic process	White	1832
1	Skull	Temporal bone	Fragment	White	1833

Osteological data report for Bognie

5.2.4 Bone fragments in 'EA 102'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Skull	Maxilla	V small fragment of alveolar process w alveoli	White	1834
			▶ Stain: Covers most of fragment. Bright turquoise		
2	Skull	Unspecified	Facial skeleton, small frags	White	1835
4	Skull	Unspecified	Skull vault	White	1836
1	Skull	Parietal	Skull vault	White	1837
			▶ Ageing indicator: Suture. Sagittal suture v faint, suggests adult		
2	Skull	Unspecified	Skull vault	White	1838
			▶ Ageing indicator: Sutures. Sutures obliterated internally, suggests adult		
7	Skull	Unspecified	Skull vault	White	1839
1	Skull	Occipital	Skull vault	White	1840
1	Skull	Unspecified	Skull vault fragments	White	1841
			▶ Poor calcination: On surface or sandwich effect. Mid grey, some sandwich effect		

Osteological data report for Bognie

5.2 Deposit details for 'EA 103'

Deposit details

Deposit ID: EA 103
Urn type: Bucket urn
Entered: 27/10/2010 12:43:19

Radiocarbon date

Lab number:
BP date: +/-
Cal BC*: -

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 212g
Extraneous material: 15g
Est. inclusion 2-5mm: 2g (40%)
Total human bone: 195g
Human bone weights by sieving fraction:
>10mm: 149g
5-10mm: 43g
2-5mm: 5g

Largest cranial and post cranial fragments

34mm Unspecified skull vault
38.2mm Scapula

Identified bone fragments

Total identified bone: 71g (36%)
No. of ident. fragments: 63
Mean ident. fragment: 1.13g
Identified fragment weights by body element:
Skull: 45g
Axial: 4g
Lower limb: 13g
Upper limb: 9g

Pyre inferences

Poorly calcined fragments: 12 (19%)
Turquoise staining: 11 (17%)

Osteological data report for Bognie

5.4.1 Individuals in 'EA 103'

No. Sex Age

1 ?? Adult

Ageing indicator Parietal Sagittal suture obliterated on inside

5.4.2 Pyre goods in 'EA 103'

Quantity Material Typology/classification Description

5.4.3 Inclusions in 'EA 103'

Weight (g) Inclusion type

5.4.4 Bone fragments in 'EA 103'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
8	Axial	Rib fragments	Shaft fragments	White	1881
2	Axial	Atlas vertebra	Frag of sup and inf articular facets	White	1882
1	Skull	Dentition	Frag of mand perm canine		1883
1	Skull	Dentition	Frag of maxillary 1st or 2nd molar		1884
1	Skull	Dentition	Small frag of maxillary incisor		1885
1	Skull	Dentition	Frag of maxillary 2nd premolar		1886
1	Skull	Maxilla	Frag of alveolar process, 6 alveoli	White	1887
1	Skull	Mandible	Frag of body, 4 alveoli	White	1888
1	Skull	Mandible	Frag of body, 1 alveolus	White	1889
1	R Skull	Temporal bone	Frag of petrous process	White	1890
1	R Skull	Frontal bone	Frag of supraorbital margin	White	1891
2	Skull	Temporal bone	Frag of mastoid process	White	1892
1	Skull	Temporal bone	Frag w parietal striae	White	1893
1	Skull	Temporal bone	Frag	White	1894
1	Skull	Occipital	Frag w cerebral fossa	White	1895
11	Skull	Unspecified	Skull vault, v small frags	White	1896
3	Skull	Unspecified	Skull vault	White	1897
1	Skull	Unspecified	Skull	White	1898
10	Skull	Unspecified	Skull vault	White	1899
			▶ Specks: On some frags. Pale turquoise		
			▶ Poor calcination: On some frags. Pale blue		
1	Skull	Parietal	Skull vault w sag suture	White	1900
			▶ Ageing indicator: Suture. Sagittal suture obliterated on inside		
			▶ Poor calcination: All over. Sandwich effect		
2	Axial	Rib fragments	Shaft frags	White	1901
3	Upper limb	Hand phalanges	Complete intermediate ones	White	1902
1	Upper limb	Hand phalanges	Frag proximal	White	1903
2	Upper limb	Metacarpal	Frag	White	1904
1	Upper limb	Scapula	Frag	White	1905
			▶ Stain: . Pale turquoise		

Osteological data report for Bognie

5.4.4 Bone fragments in 'EA 103'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Lower limb	Femur	Frag of shaft	White	1906
2	Lower limb	Ilium	Frag	White	1907
1	Lower limb	Metatarsal bone	Frag of both 1st metatarsals	White	1908

► Poor calcination: Heads. Some black

Osteological data report for Brackmont Mill

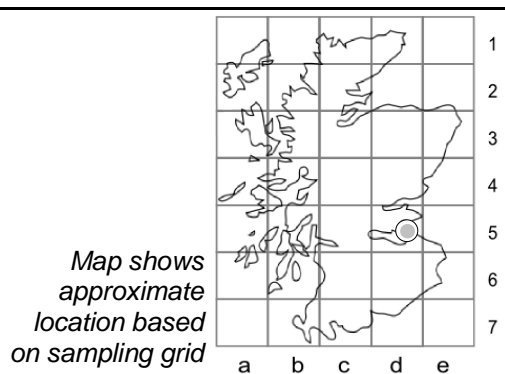
6.1 Site details for Brackmont Mill

Classification and identification

Site type: Flat cemetery
Canmore ref: 33239
Excavated:
Deposits: 3

Location

Local authority: Fife
Easting: 343610
Northing: 722314



Minimum number of individuals (MNI)

MNI: 4	
Males: 2	Adult: 4
Females:	Child/adolescent:
	Infant:

Osteological data report for Brackmont Mill

6.2 Deposit details for 'EQ 736-739'

Deposit details

Deposit ID: EQ 736-739
Urn type: Cordoned urn
Entered: 04/06/2010 17:56:01

Radiocarbon date

Lab number:
BP date: +/-
Cal BC*: -

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 2
Individuals by sex:
Male: 2
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 2

Composition of deposit by weight

Total initial weight: 2227g
Extraneous material: 609g
Est. inclusion 2-5mm: 0g (0%)
Total human bone: 1618g
Human bone weights by sieving fraction:
>10mm: 800g
5-10mm: 501g
2-5mm: 317g

Largest cranial and post cranial fragments

63.68mm Occipital
84.31mm Humerus

Identified bone fragments

Total identified bone: 608g (38%)
No. of ident. fragments: 605
Mean ident. fragment: 1g
Identified fragment weights by body element:
Skull: 245g
Axial: 61g
Lower limb: 237g
Upper limb: 65g

Pyre inferences

Poorly calcined fragments: 42 (7%)
Turquoise staining: 107 (18%)

Osteological data report for Brackmont Mill

6.2.1 Individuals in 'EQ 736-739'

No.	Sex	Age		
1	?M	Adult	Age probably over 30, robust skull suggests M.	Tooth loss, vertebrae lipping.
	Ageing indicator	Occipital	Lambdoid suture open ectocranially	
	Ageing indicator	Maxilla	Toothloss, mature adult?	
	Ageing indicator	Pubis	Suchey-Brooks phase 5-6, 27-86 years	
	Ageing indicator	Sacrum	Fused or fusing, age at least late 20s	
	Ageing indicator	Cervical vertebra	Marked lipping, age over 30	
	Ageing indicator	Thoracic vertebra	lipping, age 30 or over	
	Ageing indicator	Thoracic vertebra	Annular rings fused, age over 25	
	Ageing indicator	Occipital	lambdoid suture partly open	
	Ageing indicator	Parietal	Sutures, almost obliterated	
	Pathology	Patella	Lipping	
	Pathology	Maxilla	Toothloss, complete resorption	
	Pathology	Cervical vertebra	Marked lipping	
	Pathology	Thoracic vertebra	lipping	
	Sexing indicator	Frontal bone	Supraorbital ridge, scores 4 ?male	
	Sexing indicator	Frontal bone	Supraorbital margin, scores 4 ?male	
1	?M	Adult	At least 25-30	Lipping
	Ageing indicator	Scapula	Fully fused, age over 19-20	
	Ageing indicator	Sternum	Manubrium unfused	
	Ageing indicator	Sacrum	Fusing or recently fused? Mid- to late 20s?	
	Ageing indicator	Ilium	Lovejoy et al. Phase 3-4. Age 30-39.	
	Ageing indicator	Pubis	impossible to to small size of fragment	
	Non-metric	Parietal	Wormian bone	
	Pathology	Scapula	Lipping	
	Pathology	Thoracic vertebra	Marked lipping	
	Pathology	Parietal	Possible scratch marks	
	Sexing indicator	Ilium	Scores 4. ?M	

6.2.2 Pyre goods in 'EQ 736-739'

Quantity	Material	Typology/classification	Description
1	Animal bone	Worked	Bone toggle, fragment, 0.5g.
1	Animal bone	Worked	Fragment, bone toggle, 1 g

6.2.3 Inclusions in 'EQ 736-739'

Weight (g)	Inclusion type
0	Pottery
10	Coal
120	Pottery

Osteological data report for Brackmont Mill

6.2.4 Bone fragments in 'EQ 736-739'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	R Skull	Frontal bone	Includes supraorbital margin and temporal line	White	666
			<ul style="list-style-type: none"> ▶ Specks: Ectocranially. Pale turquoise ▶ Sexing indicator: Supraorbital margin. Supraorbital margin, scores 4 ?male ▶ Stain: Endocranially. Dark slip-like layer ▶ Sexing indicator: Supraorbital ridge. Supraorbital ridge, scores 4 ?male 		
1	R Skull	Temporal bone	Fragment, petrous part	White	667
			<ul style="list-style-type: none"> ▶ Specks: Endocranial. Pale turquoise 		
1	Skull	Temporal bone	Small fragment of mastoid process	White	668
1	Skull	Parietal	Skull vault	White	669
			<ul style="list-style-type: none"> ▶ Specks: Endocranial surface. Pale turquoise ▶ Stain: Widespread. Pale orange/brown 		
1	Skull	Parietal	Inferiolateral, striae visible	White	670
			<ul style="list-style-type: none"> ▶ Stain: Small patch, ectocranially. Slip-like layer, brown 		
1	Skull	Parietal	Skull vault	White	671
			<ul style="list-style-type: none"> ▶ Ageing indicator: Coronal, saggital. Sutures, almost obliterated 		
1	Skull	Occipital	Nuchal line, lambdoid suture	White	672
			<ul style="list-style-type: none"> ▶ Ageing indicator: Lambdoid suture. lambdoid suture partly open ▶ Stain: Endocranial surface. slip-like, red-brown ▶ Other: Ectocranial surface. Criss-cross patterning, almost like root etching 		
1	Skull	Occipital	Cruciform eminence	White	673
			<ul style="list-style-type: none"> ▶ Stain: endocranial surface. slip-like, red-brown ▶ Specks: ectocranial surface. pale turquoise 		
1	Skull	Occipital	Part of transverse sulcus	White	674
			<ul style="list-style-type: none"> ▶ Stain: endocranial surface. slip-like, red-brown 		
1	Skull	Parietal	Inferiolateral	White	675
			<ul style="list-style-type: none"> ▶ Specks: endocranial surface. slip-like, dark 		
1	Skull	Temporal bone	Fragment of mastoid process	White	676
			<ul style="list-style-type: none"> ▶ Stain: ectocranial surface. pale turquoise ▶ Stain: endocranial surface. slip-like, pale orange 		
1	Axial	Thoracic vertebra	Fragment of body and neural arch	White	677
			<ul style="list-style-type: none"> ▶ Ageing indicator: Annular rings. Annular rings fused, age over 25 		
2	Axial	Thoracic vertebra	Fragment of body	White	678
			<ul style="list-style-type: none"> ▶ Pathology: body. lipping ▶ Ageing indicator: body. lipping, age 30 or over 		
1	Axial	Thoracic vertebra	Fragment of body	White	679
1	Axial	Cervical vertebra	Fragment of body	White	680
1	Axial	Atlas vertebra	Fragment of neural arch	White	681
1	Axial	Cervical vertebra	Fragment of body	White	682
			<ul style="list-style-type: none"> ▶ Pathology: body. Marked lipping ▶ Ageing indicator: body. Marked lipping, age over 30 		

Osteological data report for Brackmont Mill

6.2.4 Bone fragments in 'EQ 736-739'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Axial	Lumbar vertebra	Spinous process	White	683
1	Axial	Thoracic vertebra	Fragment of neural arch	White	684
2	Axial	Cervical vertebra	Fragment of body	White	685
			▶ Poor calcination: body. one third mid-grey		
3	Axial	Thoracic vertebra	Superior articular facet	White	686
2	Axial	Thoracic vertebra	Inferior articular facet	White	687
1	Axial	Lumbar vertebra	Superior articular facet	White	688
2	Axial	Cervical vertebra	Inferior articular facet	White	689
1	Axial	Sacrum	Fragment of S2	White	690
			▶ Ageing indicator: articulation. Fused or fusing, age at least late 20s		
10	Axial	Rib fragments	Shaft	White	691
			▶ Specks: shaft. Pale turquoise		
36	Axial	Rib fragments	Shaft	White	692
1 L	Skull	Maxilla	Alveolar process, 2 alveoli	White	693
			▶ Stain: . Turquoise		
1	Skull	Maxilla	Alveolar process, maxillary sinus	White	694
			▶ Stain: . Turquoise		
1	Skull	Mandible	Fragment of body, 1 alveolus	White	695
1	Skull	Mandible	Fragment of body, 2 alveoli	White	696
1	Skull	Mandible	Fragment of body, 2 alveoli	White	697
			▶ Stain: . Turquoise		
1	Skull	Mandible	Fragment of body, alveolus, molar	White	698
3	Lower limb	Tibia	Distal shaft, adjoining fragments	White	699
			▶ Specks: Medial surface. Bright turquoise		
			▶ Other: . Criss-cross patterning		
1 L	Lower limb	Femur	Part of popliteal surface	White	700
1 L	Lower limb	Femur	Distal	White	701
1 L	Lower limb	Patella	Anterior surface	White	702
			▶ Specks: . Turquoise		
			▶ Pathology: Lateral edge of lateral art. Facet. Lipping		
1 L	Lower limb	Fibula	Lateral malleolus, malleolar articular surface	White	703
			▶ Poor calcination: Malleolar articular surface. Light-medium grey		
			▶ Other: Outer surface. Criss-cross patterning		
3	Lower limb	Femur	Shaft	White	704
1	Lower limb	Femur	Shaft, part of linea aspera	White	705
			▶ Other: . Criss-cross patterning		
1	Lower limb	Femur	Shaft, part of linea aspera	White	706
			▶ Stain: linea aspera. Pale turquoise		
4	Lower limb	Femur	Shaft	White	707
			▶ Specks: shaft. Pale turquoise		

Osteological data report for Brackmont Mill

6.2.4 Bone fragments in 'EQ 736-739'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Lower limb	Femur	Mid-shaft with linea aspera	White	708
			▶ Specks: . Pale turquoise		
1	Lower limb	Femur	Proximal shaft	White	709
1	Lower limb	Femur	Proximal shaft	White	710
			▶ Specks: . Pale turquoise		
1	Lower limb	Femur	Shaft	White	711
1	L Lower limb	Femur	Proximal shaft	White	712
1	Lower limb	Femur	Distal shaft	White	713
			▶ Poor calcination: . Light-grey		
1	Lower limb	Femur	Distal	White	714
			▶ Stain: . Pale turquoise		
1	Lower limb	Femur	Shaft	White	715
1	Lower limb	Femur	Fragment of neck	White	716
			▶ Stain: surface. Pale turquoise		
1	Lower limb	Femur	Fragment of medial or lateral condyle	White	717
1	Lower limb	Femur	Fragment of head	White	718
1	Upper limb	Humerus	Shaft	White	719
1	Upper limb	Humerus	Shaft	White	720
			▶ Poor calcination: . Sandwich effect, dark-grey		
1	Upper limb	Humerus	Fragment of deltoid tuberosity	White	721
1	L Upper limb	Humerus	Fragment of trochlea	White	722
3	Upper limb	Humerus	Fragment of head	White	723
2	Upper limb	Humerus	Fragment of head	White	724
			▶ Poor calcination: Inside. Mid-grey		
1	Lower limb	Fibula	Shaft	White	725
			▶ Poor calcination: . Sandwich effect, light-grey		
			▶ Other: . Criss-cross patterning		
1	Upper limb	Radius	Shaft	White	726
1	Upper limb	Ulna	Shaft	White	727
			▶ Cremation slag: Outer surface. Sand stuck to surface		
			▶ Poor calcination: One side of bone. Mid-grey		
1	Upper limb	Ulna	Shaft	White	728
			▶ Stain: . Pale turquoise		
			▶ Poor calcination: Part. Light-grey		
2	Lower limb	Fibula	Shaft	White	729
			▶ Stain: . Pale turquoise		
			▶ Other: . Criss-cross pattern		
1	Upper limb	Radius	Shaft	White	730
			▶ Poor calcination: . Sandwich effect, light-grey		
1	Upper limb	Radius	Fragment of head and shaft	White	731
1	Upper limb	Radius	Shaft, proximal	White	732

Osteological data report for Brackmont Mill

6.2.4 Bone fragments in 'EQ 736-739'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Stain: . Pale turquoise		
1	Upper limb	Ulna	Shaft	White	733
1	Lower limb	Tibia	Shaft	White	734
1	Upper limb	Radius	Shaft with radial tuberosity	White	735
			▶ Poor calcination: Medullary cavity. Light-grey		
1	Upper limb	Ulna	Shaft	White	736
			▶ Stain: Medullary cavity and surface. Pale turquoise		
2	Lower limb	Femur	Shaft with linea aspera	White	737
1	Lower limb	Femur	Shaft	White	738
1	Lower limb	Tibia	Shaft	White	739
			▶ Stain: Surface. Pale turquoise		
1	Lower limb	Femur	Shaft	White	740
			▶ Stain: Surface. Pale turquoise		
1	Upper limb	Humerus	Shaft	White	741
			▶ Poor calcination: . Sandwich effect, mid-grey		
			▶ Other: . Criss-cross patterning		
1	Upper limb	Humerus	Shaft	White	742
			▶ Stain: . Pale turquoise		
			▶ Stain: . Dark-grey		
1	Lower limb	Femur	Shaft	White	743
			▶ Poor calcination: . Sandwich effect		
1	Upper limb	Humerus	Shaft	White	744
1	Lower limb	Tibia	Shaft and part of tibial tuberosity	White	745
			▶ Stain: Distal end. Bright turquoise		
			▶ Poor calcination: Medullary cavity.		
1	L Upper limb	Ulna	Fragment of distal end	White	746
1	L Upper limb	Pisiform	Complete bone	White	747
1	Lower limb	Sesamoid bone	Complete bone	Black	748
1	Lower limb	Sesamoid bone	Complete bone	White	749
			▶ Poor calcination: Part of bone. Light-grey		
1	Lower limb	Cuboid	Fragment of distal end	Black	750
1	Lower limb	Tarsal bone	Small fragment, lateral or intermediate cuneiform	White	751
1	Lower limb	Cuboid	Fragment	White	752
			▶ Poor calcination: Part. Mid-grey		
1	Upper limb	Hand phalanges	Distal hand phalanx fragment	White	753
2	Upper limb	Hand phalanges	Intermediate hand phalanx fragment	White	754
			▶ Poor calcination: Part. Light-grey		
1	Upper limb	Hand phalanges	Proximal	White	755
			▶ Stain: . Pale turquoise		
1	Lower limb	Foot phalanges	Distal foot phalanx	White	756

Osteological data report for Brackmont Mill

6.2.4 Bone fragments in 'EQ 736-739'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
2	Upper limb	Hand phalanges	Fragments of intermediate hand phalanx	White	757
1	Upper limb	Hand phalanges	First proximal hand phalanx	White	758
1	Lower limb	Foot phalanges	Proximal foot phalanx	White	759
1	Upper limb	Hand phalanges	Proximal handphalanx	White	760
1	Lower limb	Foot phalanges	Fragment of first distal foot phalanx	Black	761
1	Lower limb	Metatarsal bone	First metatarsal	White	762
		► Stain: .	Pale turquoise		
1	Upper limb	Hand phalanges	Fragment of proximal hand phalanx	White	763
1	Upper limb	Metacarpal	Fragment of shaft	White	764
1	Upper limb	Lunate	Fragment	White	765
		► Stain: .	Pale turquoise		
1	Upper limb	Scaphoid	Fragment	White	766
1	Lower limb	Metatarsal bone	Fragment of base of first metatarsal	White	767
		► Specks: .	Bright turquoise		
1	Lower limb	Metatarsal bone	Fragment of base of third metatarsals	White	768
1	Lower limb	Medial cuneiform	Fragment	White	769
1	Lower limb	Talus	Fragment	White	770
		► Poor calcination: Part.	Light-mid grey		
4	Lower limb	Ilium	Fragment	White	771
		► Stain: .	Pale turquoise		
3	Lower limb	Ilium	Fragment	White	772
1	Lower limb	Pubis	Part of public symphysis	White	773
		► Stain: Spongy bone.	Pale red		
		► Ageing indicator: Pubic symphysis.	Suchey-Brooks phase 5-6, 27-86 years		
1	Lower limb	Calcaneus	Fragment, part of 1 articular surface	White	774
		► Stain: Articular surface.	Pale turquoise		
1	L Skull	Zygomatic	Fragment of maxillary process	White	775
		► Cremation slag: Just below orbit.	Small speck, c. 2x2 mm, w small particles		
1	Skull	Maxilla	Maxillary sinus	White	776
1	Axial	Sacrum	Fragment of dorsal wall	White	777
1	Axial	Lumbar vertebra	Fragment of body	White	778
1	R Skull	Zygomatic	Fragment, complete frontal process	White	779
		► Stain: Interior surface.	Pale turquoise		
1	Skull	Mandible	Fragment of body w ascending ramus	White	780
		► Stain: Anterior.	Pale turquoise		
1	L Skull	Maxilla	Alveolar process with 1 alveolus	White	781
		► Pathology: Molar?.	Toothloss, complete resorption		
		► Ageing indicator: .	Toothloss, mature adult?		
1E	Axial	Rib fragments	Shaft	White	782
8	Axial	Rib fragments	Shaft	White	783

Osteological data report for Brackmont Mill

6.2.4 Bone fragments in 'EQ 736-739'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
			▶ Stain: . Pale turquoise		
16	Axial	Rib fragments	Shaft	White	784
			▶ Other: . Criss-cross patterning		
1	Axial	Rib fragments	Shaft with part of a tubercle	White	785
5	Axial	Rib fragments	Shaft	White	786
			▶ Stain: . Slip-like		
1	Skull	Parietal	Skull vault	White	787
			▶ Stain: Ectocranial surface. Pale red		
			▶ Pathology: Ectocranial surface. Possible scratch marks		
1	Skull	Parietal	Inferiolateral with parietal striae	White	788
			▶ Stain: Endocranial surface. Slip-like, dark-brown		
			▶ Specks: Ectocranial surface. Pale turquoise		
1	L Skull	Temporal bone	Petrous part	White	789
4	Skull	Mandible	Fragments of body	White	790
3	Skull	Mandible	Fragments of body	White	791
			▶ Stain: . Pale turquoise		
1	Skull	Unspecified	Skull vault	White	792
			▶ Stain: Endocranial surface. Slip-like, dark-brown		
1	L Skull	Parietal	Part of sagittal and lambdoidal suture	White	793
			▶ Stain: Endocranial surface. Slip-like, dark		
			▶ Stain: Ectocranial surface. Pale turquoise		
			▶ Non-metric variation: Lambdoidal suture. Wormian bone		
1	Skull	Temporal bone	Mastoid process fragment	White	794
1	Skull	Temporal bone	Fragment of external acoustic meatus	White	795
6	Skull	Temporal bone	Fragment of mastoid process	White	796
2	Skull	Unspecified	Skull vault	White	797
			▶ Stain: Ectocranial surface. Pale turquoise		
13	Skull	Unspecified	Skull vault	White	798
16	Skull	Unspecified	Skull vault	White	799
2	Skull	Unspecified	Skull vault	White	800
			▶ Stain: . Pale turquoise		
6	Skull	Unspecified	Facial skeleton	White	801
1	Skull	Maxilla	Fragment of alveolar process with 1 alveolus	White	802
1	R Lower limb	Patella	Fragment of two thirds of the bone	White	803
1	Upper limb	Humerus	Fragment of trochlea	White	804
1	Upper limb	Radius	Fragment of head	White	805
			▶ Stain: . Pale turquoise		
1	Lower limb	Fibula	Shaft	White	806
			▶ Poor calcination: . Sandwich effect		
1	Lower limb	Tibia	Fragment of tibial plateaux	White	807

Osteological data report for Brackmont Mill

6.2.4 Bone fragments in 'EQ 736-739'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Lower limb	Fibula	Fragment of head	White	808
1	Upper limb	Ulna	Shaft	White	809
1	Lower limb	Tibia	Shaft	White	810
		▶ Stain: . Pale turquoise			
		▶ Poor calcination: . On one end			
1	Lower limb	Femur	Shaft, proximal end	White	811
3	Lower limb	Femur	Shaft with linea aspera	White	812
		▶ Poor calcination: Medullary cavity.			
1	Lower limb	Femur	Shaft	White	813
		▶ Stain: Surface. Pale turquoise			
1	Lower limb	Tibia	Shaft	White	814
		▶ Stain: Surface. Pale turquoise			
1	Upper limb	Humerus	Shaft, fragment	White	815
1	Lower limb	Tibia	Shaft	White	816
		▶ Stain: Surface. Pale turquoise			
1	Lower limb	Femur	Shaft	White	817
1	Upper limb	Hand phalanges	Distal hand phalanx complete	White	818
1	Upper limb	Hand phalanges	Distal hand phalanx fragment	White	819
1	Lower limb	Foot phalanges	Intermediate foot phalanx fragment	White	820
		▶ Poor calcination: .			
1	Upper limb	Metacarpal	Fragment of first metacarpal	White	821
1	Upper limb	Hand phalanges	Fragment of first proximal hand phalanx	White	822
1	Upper limb	Hand phalanges	Proximate or intermediate hand phalanx	White	823
		▶ Poor calcination: .			
1	Lower limb	Metatarsal bone	Fragment	White	824
1	Upper limb	Metacarpal	Fragment	White	825
1	Upper limb	Hand phalanges	Distal hand phalanx	White	826
		▶ Stain: . Pale turquoise			
3	Lower limb	Foot phalanges	Intermediate foot phalanx fragment	White	827
1	Lower limb	Metatarsal bone	Fragment of fifth metatarsal	White	828
		▶ Poor calcination: .			
1	R Lower limb	Medial cuneiform	Fragment	White	829
		▶ Poor calcination: . Light-grey			
1	Lower limb	Sesamoid bone	Fragment	Black	830
1	Lower limb	Navicular	Fragment	White	831
		▶ Poor calcination: . Light-grey			
1	Upper limb	Hamate	Fragment of head	White	833
		▶ Stain: . Pale turquoise			
		▶ Poor calcination: On parts. Light-grey			
1	Upper limb	Hamate	Fragment of hamulus	White	834
1	Upper limb	Radius	Fragment of head	White	835

Osteological data report for Brackmont Mill

6.2.4 Bone fragments in 'EQ 736-739'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
			▶ Stain: . Pale turquoise		
1	Lower limb	Ilium	Fragment of acetabulum	White	836
			▶ Stain: . Pale turquoise		
2	Lower limb	Ilium	Fragment	White	837
			▶ Stain: . Pale turquoise		
2	Lower limb	Ilium	Fragment	White	838
			▶ Poor calcination: .		
4	Lower limb	Ilium	Fragment	White	839
1	Upper limb	Scapula	Fragment of inferior angle	White	840
			▶ Specks: Superior. Small pale turquoise speck		
			▶ Ageing indicator: Lateral epiphysis. Fully fused, age over 19-20		
			▶ Pathology: Lateral end. Lipping		
1	Lower limb	Ilium	Fragment of acetabulum	White	841
1	Lower limb	Pubis	Pubic symphysis, small fragment	White	842
			▶ Ageing indicator: . impossible to to small size of fragment		
1	R Lower limb	Ilium	Auricular surface	White	843
			▶ Stain: Surface. Pale red-brown		
			▶ Poor calcination: Spongy bone. Light-grey		
			▶ Stain: On ridge. Pale turquoise		
			▶ Ageing indicator: . Lovejoy et al. Phase 3-4. Age 30-39.		
1	Lower limb	Pubis	Fragment	White	844
			▶ Stain: . Pale turquoise		
1	Lower limb	Ischium	Ischial tuberosity	Black	845
			▶ Poor calcination: . Dark-grey		
1	Lower limb	Ilium	Fragment with greater sciatic notch	White	846
			▶ Sexing indicator: . Scores 4. ?M		
			▶ Specks: Anterior aspect. Pale turquoise		
1	Upper limb	Scapula	Fragment of acromion process	White	847
1	Axial	Axis vertebra	Fragment of inferior articular facet	White	848
			▶ Stain: Inferior articular facet. Pale blue		
1	Axial	Thoracic vertebra	Fragment of body	White	849
1	Axial	Sacrum	Small fragment of S1	White	850
1	Axial	Sacrum	Small fragment of S2	White	851
			▶ Ageing indicator: . Fusing or recently fused? Mid- to late 20s?		
1	Axial	Lumbar vertebra	Spinous process	White	852
1	Axial	Cervical vertebra	Small fragment of body	White	853
1	Axial	Thoracic vertebra	Fragment of neural arch	White	854
			▶ Poor calcination: . Light-grey		
1	Axial	Thoracic vertebra	Superior articular facet	White	855
			▶ Pathology: . Marked lipping		
			▶ Poor calcination: Part.		

Osteological data report for Brackmont Mill

6.2.4 Bone fragments in 'EQ 736-739'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Axial	Thoracic vertebra	Superior articular facet	White	856
			▶ Stain: . Pale turquoise		
1	Axial	Sacrum	Fragment of superior articular facet	White	857
1	Skull	Dentition	Complete root of maxillary right permanent canine		858
1	Skull	Dentition	Complete mandibular first permanent incisor		859
14	Skull	Dentition	Small fragment of tooth roots		860
3	Skull	Dentition	Fragment of molar roots		861
2	Skull	Dentition	Fragment of 1st or 2nd permanent maxillary molar		862
1	Skull	Dentition	Fragment of mandibular right permanent canine		863
1	Skull	Dentition	Fragment of mandibular right first premolar		864
1	Axial	Cervical vertebra	Fragment of body	Black	967
1	L Upper limb	Lunate	Fragment, less than 1/2	White	968
			▶ Specks: . Pale turquoise		
1	R Axial	Sacrum	Fragment of sacral hiatus	White	969
			▶ Specks: Laterally. Pale turquoise		
1	Lower limb	Patella	Fragment of frontal aspect	White	970
1	Axial	Sternum	Fragment of manubrium, costal notch	White	971
			▶ Ageing indicator: . Manubrium unfused		
1	Skull	Occipital	Skull vault, lateral, w lambdoid suture	White	1357
			▶ Ageing indicator: Lambdoid suture. Lambdoid suture open ectocranially		
			▶ Stain: Most of endocranial surface. Dark red/brown slip-like		
11	Skull	Unspecified	Temporal or facial, v small	White	1358
1	Skull	Parietal	Just above temporal	White	1359
			▶ Stain: Covers all of endocranial surface. Dark red/brown, slip like		
99	Skull	Unspecified	Small skull vault fragments	White	1360
12	Skull	Unspecified	Skull vault fragments	White	1361
			▶ Specks: Both surfaces, but mostly endocranial. Pale turquoise		
5	Skull	Unspecified	Skull vault fragments	White	1362
1	Skull	Parietal	Skull vault fragment	White	1363
			▶ Specks: Endocranial. Pale turquoise		
			▶ Specks: One stain, ectocranial. Dark purple/grey		
1	Skull	Parietal	Skull vault fragment	White	1364
			▶ Stain: Both surfaces. Dark brown, slip-like		
3	Skull	Unspecified	Skull vault fragment	White	1365
			▶ Stain: Endocranial surface. Red/brown, slip-like layer		
4	Skull	Unspecified	Skull vault fragments	White	1366

Osteological data report for Brackmont Mill

6.2.4 Bone fragments in 'EQ 736-739'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Stain: Endocranial surface. Dark brown, slip-like layer		
			▶ Specks: Endocranial surface. Bright turquoise (where slip had chipped off)		
			▶ Specks: Ectocranial surface. Pale turquoise		

Osteological data report for Brackmont Mill

6.2 Deposit details for 'EQ 730'

Deposit details

Deposit ID: EQ 730
Urn type: Collared urn
Entered: 04/06/2010 18:22:21

Radiocarbon date

Lab number:
BP date: +/-
Cal BC*: -

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 1120g
Extraneous material: 319g
Est. inclusion 2-5mm: 260g (70%)
Total human bone: 541g
Human bone weights by sieving fraction:
>10mm: 181g
5-10mm: 249g
2-5mm: 371g

Largest cranial and post cranial fragments

mm Not available
mm Not available

Identified bone fragments

Total identified bone: 95g (18%)
No. of ident. fragments: 181
Mean ident. fragment: 0.52g
Identified fragment weights by body element:
Skull: 71g
Axial: 4g
Lower limb: 11g
Upper limb: 9g

Pyre inferences

Poorly calcined fragments: 1 (1%)
Turquoise staining: 3 (2%)

Osteological data report for Brackmont Mill

6.4.1 Individuals in 'EQ 730'

No. Sex Age

1 ?? Adult None identified

Ageing indicator Mandible Third molar present. Age over 18.

6.4.2 Pyre goods in 'EQ 730'

Quantity Material Typology/classification Description

6.4.3 Inclusions in 'EQ 730'

Weight (g) Inclusion type

6.4.4 Bone fragments in 'EQ 730'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
18	Axial	Rib fragments	Shaft fragments	White	865
1	Axial	Rib fragments	Shaft with sternal end	White	866
77	Skull	Unspecified	Skull vault	White	867
1	Skull	Unspecified	Skull vault	White	868
			► Stain: . Pale turquoise		
36	Skull	Unspecified	Skull vault	White	869
1	Skull	Dentition	Complete root of 1st permanent mandibular incisor		870
			► Stain: Whole fragment. Pale turquoise		
4	Skull	Dentition	Fragments of 1st or 2nd permanent mandibular molar		871
3	Skull	Dentition	Small fragment of tooth roots, not molars		872
1	Skull	Dentition	Second permanent maxillary incisor		873
2	Skull	Dentition	Permanent mandibular canine, adjoining fragments		874
1	L Skull	Temporal bone	Petrous part	White	875
1	R Skull	Temporal bone	Petrous part	White	876
1	Skull	Temporal bone	Fragment of mastoid process	White	877
4	Skull	Temporal bone	Small fragments of mastoid process	White	878
1	L Skull	Zygomatic	Fragment of left	White	879
1	Skull	Mandible	Fragment of body	White	880
1	Skull	Maxilla	Fragment of alveolar process, with 2 alveoli	White	881
2	Skull	Mandible	Fragment with alveoli	White	882
			► Ageing indicator: . Third molar present. Age over 18.		
1	Lower limb	Femur	Shaft with linea aspera	White	883
1	Upper limb	Humerus	Fragment of head	White	884
1	Upper limb	Hamate	Fragment of shaft	White	885
2	Lower limb	Tibia	Shaft	White	886
1	Lower limb	Femur	Shaft	White	887

Osteological data report for Brackmont Mill

6.4.4 Bone fragments in 'EQ 730'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Upper limb	Ulna	Fragment of shaft	White	888
1	Upper limb	Humerus	Fragment of shaft	White	889
			► Poor calcination: . Sandwich effect		
1	Upper limb	Humerus	Trochlea	White	890
1	Upper limb	Hand phalanges	Distal hand phalanx	White	891
			► Stain: . Pale turquoise		
2	Upper limb	Hand phalanges	Distal hand phalanx	White	892
1	Lower limb	Foot phalanges	Distal foot phalanx	White	893
1	Lower limb	Foot phalanges	Fragment of proximal foot phalanx	White	894
4	Upper limb	Hand phalanges	Proximal or intermediate hand phalanx	White	895
1	R Upper limb	Hamate	Fragment of hamulus	White	896
1	L Upper limb	Scapula	Fragment of scapular spine	White	897
2	Lower limb	Ilium	Iliac blade	White	898
1	L Skull	Mandible	Mandibular condyle	White	899
1	Axial	Thoracic vertebra	Fragment of body	White	900
1	Axial	Lumbar vertebra	Inferior articular facet	White	901

Osteological data report for Brackmont Mill

6.2 Deposit details for 'Unknown deposit'

Deposit details

Deposit ID: Unknown deposit
Urn type: Collared urn
Entered: 04/06/2010 18:51:55

Radiocarbon date

Lab number:
BP date: +/-
Cal BC*: -

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 250g
Extraneous material: 20g
Est. inclusion 2-5mm: 85g (60%)
Total human bone: 145g
Human bone weights by sieving fraction:
>10mm: 36g
5-10mm: 52g
2-5mm: 142g

Largest cranial and post cranial fragments

59.64mm Occipital
74.47mm Tibia

Identified bone fragments

Total identified bone: 202g (140%)
No. of ident. fragments: 184
Mean ident. fragment: 1.1g
Identified fragment weights by body element:
Skull: 154g
Axial: 8g
Lower limb: 20g
Upper limb: 20g

Pyre inferences

Poorly calcined fragments: 4 (2%)
Turquoise staining: 1 (1%)

Osteological data report for Brackmont Mill

6.6.1 Individuals in 'Unknown deposit'

No. Sex Age

1	??	Adult	Age over 21. 3 kinds of animal pyre goods.	None identified
	Ageing indicator	Occipital	Lambdoidal suture open ectocranially	
	Ageing indicator	Ilium	Lovejoy et al. phase 2. Age 25-29.	
	Ageing indicator	Pubis	Not possible because fragment is too small.	
	Ageing indicator	Pubis	Suchey-Brooks phase 2-3. Age over 21.	

6.6.2 Pyre goods in 'Unknown deposit'

Quantity Material Typology/classification Description

1	Animal bone		Horse or cow, 15 g in total
1	Animal bone		Sheep or goat
1	Animal bone		Dog or dog-sized

6.6.3 Inclusions in 'Unknown deposit'

Weight (g) Inclusion type

6.6.4 Bone fragments in 'Unknown deposit'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
3	Skull	Dentition	Fragments of roots		902
1	Axial	Rib fragments	Shaft	White	903
			► Poor calcination: . On one end		
39	Axial	Rib fragments	Shaft	White	904
1	Upper limb	Hand phalanges	Complete distal hand phalanx	White	905
3	Upper limb	Hand phalanges	Proximal or intermediate hand phalanx fragments	White	906
1	Lower limb	Foot phalanges	Fragments of intermediate foot phalanx	White	907
			► Poor calcination: On head. Light-grey		
1	Axial	Sacrum	Fragment of S1?	White	908
			► Poor calcination: Anterior edge of body.		
1	Axial	Thoracic vertebra	Inferior articular facet	White	909
1	Axial	Thoracic vertebra	Inferior and superior articular facets	White	910
19	Skull	Unspecified	Skull vault	White	911
61	Skull	Unspecified	Skull vault	White	912
1	Skull	Occipital	Cruciform eminence	White	913
			► Ageing indicator: Lambdoidal suture. Lambdoidal suture open ectocranially		
			► Specks: Endocranially. Pale turquoise		
1	Skull	Parietal	Fragment of skull vault	White	914
1	L Skull	Temporal bone	Small fragment of petrous part	White	915
			► Poor calcination: Parts. Light-grey		
1	Skull	Temporal bone	Fragment of mastoid process	White	916
2	Skull	Occipital	Fragment	White	917

Osteological data report for Brackmont Mill

6.6.4 Bone fragments in 'Unknown deposit'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Skull	Temporal bone	Fragment of mastoid process	White	918
1	R Skull	Temporal bone	Petrous part	White	919
2	Skull	Parietal	Inferiolateral with striae	White	920
1	Skull	Temporal bone	Fragment of squana	White	921
3	Skull	Parietal	Skull vault	White	922
14	Lower limb	Ilium	Iliac blade	White	923
1	Lower limb	Ilium	Fragment of iliac crest	White	924
1	Lower limb	Pubis	Public symphysis	White	925
			► Ageing indicator: . Suchey-Brooks phase 2-3. Age over 21.		
1	Lower limb	Ischium	Fragment	White	926
1	Lower limb	Pubis	Pubic symphysis	White	927
			► Ageing indicator: . Not possible because fragment is too small.		
1	Lower limb	Ilium	Fragment of auricular sulcus	White	928
			► Ageing indicator: . Lovejoy et al. phase 2. Age 25-29.		
1	L Lower limb	Ilium	Anterior inferior iliac spine	White	929
1	Upper limb	Radius	Fragment of shaft	White	930
3	Upper limb	Humerus	Shaft	White	931
1	Lower limb	Tibia	Shaft	White	932
1	Lower limb	Fibula	Shaft	White	933
1	Upper limb	Ulna	Shaft	White	934
2	Lower limb	Femur	Shaft	White	935
1	Upper limb	Humerus	Fragment of trochlea	White	936
1	Upper limb	Radius	Fragment of proximal shaft	White	937
1	Upper limb	Radius	Fragment of distal shaft	White	938
1	Lower limb	Tibia	Fragment of distal shaft	White	939
1	Upper limb	Scapula	Fragment of glenoid fossa	White	940
1	Upper limb	Clavicle	Fragment	White	941
1	Upper limb	Metacarpal	Fragment of fifth metacarpal	White	942
1	Upper limb	Hand phalanges	Fragment of proximal hand phalanx	White	943
1	Axial	Sacrum	Fragment of body	White	944
1	Axial	Thoracic vertebra	Fragment of body	White	945

Osteological data report for Bridge of Banff

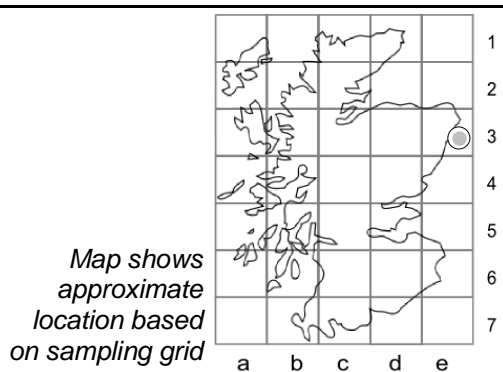
7.1 Site details for Bridge of Banff

Classification and identification

Site type: Flat cemetery
Canmore ref: 18460
Excavated: 1865
Deposits: 1

Location

Local authority: Aberdeenshire
Easting: 369619
Northing: 863692



Minimum number of individuals (MNI)

MNI: 3
Males: Adult:
Females: 1 Child/adolescent: 3
 Infant:

Osteological data report for Bridge of Banff

7.2 Deposit details for 'EA 11'

Deposit details

Deposit ID: EA 11
Urn type: Vase urn
Entered: 24/07/2010 13:29:41

Radiocarbon date

Lab number:
BP date: +/-
Cal BC*: -

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 3
Individuals by sex:
Male:
Female: 1
Individuals by age category:
Foetal/infant:
Child/adolescent: 3
Adult:

Composition of deposit by weight

Total initial weight: 1520g
Extraneous material: 331g
Est. inclusion 2-5mm: 0g (0%)
Total human bone: 1189g
Human bone weights by sieving fraction:
>10mm: 699g
5-10mm: 395g
2-5mm: 95g

Largest cranial and post cranial fragments

0mm
mm

Identified bone fragments

Total identified bone: 498g (42%)
No. of ident. fragments: 466
Mean ident. fragment: 1.07g
Identified fragment weights by body element:
Skull: 197g
Axial: 21g
Lower limb: 179g
Upper limb: 101g

Pyre inferences

Poorly calcined fragments: 15 (3%)
Turquoise staining: 19 (4%)

Osteological data report for Bridge of Banff

7.2.1 Individuals in 'EA 11'

No. Sex Age

Osteological data report for Bridge of Banff

1	??	Child/adolescent	Age 11-12
Ageing indicator	Femur	Distal epiphysis unfused, age < 14-20	
Ageing indicator	Hand phalanges	Unfused epiphysis, age under 14-16.5 years	
Ageing indicator	Radius	Unfused proximal epiphysis, age under 11.5-17 year	
Ageing indicator	Ulna	Distal epiphysis unfused, age under 12-16	
Ageing indicator	Dentition	Unerrupted mandibular 1st premolar, age c. 8-12	
Ageing indicator	Dentition	Max. 1st premolar, apex open, age 10-13	
Ageing indicator	Dentition	Premolar unerupted, age c. 8-13	
Ageing indicator	Dentition	Max. 1st premolar apex open, age 10-13	
Ageing indicator	Dentition	Max. 2nd prem. Apex open, age 10-14	
Ageing indicator	Dentition	Mand. 2nd premolar, apex open, age 11-14	
Ageing indicator	Dentition	Mand. 1st or 2nd molar, apex open, age 7-14	
Ageing indicator	Dentition	Mand. 1st or 2nd molar, apex open, age 7-14	
Ageing indicator	Dentition	Mand. 1st or 2nd molar erupted, age 4-14	
Ageing indicator	Dentition	Max. 1st perm. Incisor, age over 7-8	
Ageing indicator	Hand phalanges	Epiphysis unfused, age under 14-16.5	
Ageing indicator	Femur	Unfused distal epiphysis, age under 14-20	
Ageing indicator	Occipital	Unfused, age under 11-18	
Ageing indicator	Pubis	Triradiate zone fusing, age c. 11-17	
Ageing indicator	Fibula	Proximal epiphysis unfused, age under 12-20	
Ageing indicator	Fibula	Distal epiphysis unfused, age under 12-18	
Ageing indicator	Ulna	Distal ulna unfused, age under 15-20	
Ageing indicator	Dentition	Mand. 2nd premolar, apex open, age 11-14	
Ageing indicator	Radius	Distal end unfused, age under 14-20	
Ageing indicator	Radius	Line of fusion very faint, age > 11.5-17 years	
Ageing indicator	Femur	Lesser trochanter unfused, age under 16-17	
Ageing indicator	Scapula	Glenoid present, age over 8-10	
Ageing indicator	Rib fragments	No epiphyses present, age less than 12-14	
Ageing indicator	Ischium	Ischial tuberosity unfused, age less than 16-18	
Ageing indicator	Femur	Distal end unfused, age < 14-20 years	
Ageing indicator	Femur	Distal epiphysis unfused, age under 14-20	
Ageing indicator	Radius	Distal end unfused, age under 14-20	
2	??	Child/adolescent	Age 3-7 years
Ageing indicator	Ilium	Thinner than other fragments, younger individual?	
Ageing indicator	Sacrum	Superior aspect unfused, age under puberty	
Ageing indicator	Dentition	Mand. 1st/2nd perm. Incis., apex open, age 7-9	
Ageing indicator	Dentition	Mand. 2nd dec. Molar, apex closed, age 3-7	
Ageing indicator	Dentition	Max. 1st dec. Molar root formed, age 2-8	
Ageing indicator	Dentition	Unerrupted first molar, age c. 4-7	

Osteological data report for Bridge of Banff

3 ?F Child/adolescent Dental 13-17, epiphyses 14.5-16.

Ageing indicator	Sacrum	S2? Unfused, age at least under 25
Ageing indicator	Hand phalanges	Epiphyses fusing, age c. 14-16.5
Ageing indicator	Hand phalanges	Epiphyses fusing, age c. 14-16.5
Ageing indicator	Dentition	Unerupted 3rd or 2nd molar, age under 18
Ageing indicator	Dentition	Unerupted third molar or premolar, age under 18
Ageing indicator	Dentition	Mand. 2nd perm. Molar erupted, age over 10-15
Ageing indicator	Dentition	Mand. 1st premolar, apex closed, age over 12-13
Ageing indicator	Dentition	Mand. 1st or 2nd perm molar erupted, age under 17
Ageing indicator	Metacarpal	Head still fusing, age c. 14.5-16.5 year
Ageing indicator	Hand phalanges	Distal end fusing, age c. 13.5-16 years
Ageing indicator	Metacarpal	Base fusing, age c. 14-16.5
Ageing indicator	Hand phalanges	Epiphyses fusing, age c. 14-16.5
Ageing indicator	Hand phalanges	Bone is fusing, age c. 14-16.5
Ageing indicator	Tibia	Distal end recently fused, age c.14-20
Ageing indicator	Sacrum	Inferior aspect unfused, age under 25
Ageing indicator	Ilium	Unfused iliac crest, age less than 17-23
Ageing indicator	Ilium	Unfused iliac crest, age less than 17-23
Ageing indicator	Ilium	Iliac crest unfused, age less than 17-23
Ageing indicator	Ilium	Iliac crest unfused, age less than 17-23
Ageing indicator	Ilium	Iliac spine unfused, age less than 20
Ageing indicator	Femur	Lesser trochanter fusing, age 16-17
Ageing indicator	Ilium	Iliac crest unfused, age under 17-23
Ageing indicator	Ischium	Ischial tuberosity unfused, age under 20-23
Ageing indicator	Foot phalanges	Epiphysis fusing/recently fused, age c. 13-18
Sexing indicator	Ilium	Greater sciatic notch scores 1, female

Osteological data report for Bridge of Banff

7.2.2 Pyre goods in 'EA 11'

Quantity	Material	Typology/classification	Description
6	Animal bone		Metacarpals/tarsals, ?dog-sized, ?seal 14 g

7.2.3 Inclusions in 'EA 11'

Weight (g) Inclusion type

7.2.4 Bone fragments in 'EA 11'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
7	Upper limb	Hand phalanges	Distal hand phalanges	White	1123
1	Upper limb	Hand phalanges	Distal hand phalanx, fragment	White	1124
1	Lower limb	Foot phalanges	First distal foot phalanx	White	1125
2	Upper limb	Hand phalanges	Intermediate hand phalanges	White	1126
			▶ Ageing indicator: Proximal epiphysis. Epiphysis unfused, age under 14-16.5		
4	Upper limb	Hand phalanges	Intermediate hand phalanges	White	1127
			▶ Ageing indicator: Proximal epiphysis. Epiphyses fusing, age c. 14-16.5		
1	Upper limb	Hand phalanges	Intermediate hand phalanx, fragment	White	1128
4	Upper limb	Hand phalanges	Proximal hand phalanges, fragments	White	1129
5	Upper limb	Hand phalanges	Prox./intermediate hand phalanges, fragments	White	1130
2	Upper limb	Hand phalanges	Prox./intermediate hand phalanges, fragments	White	1131
			▶ Ageing indicator: Proximal epiphysis. Epiphyses fusing, age c. 14-16.5		
3	Upper limb	Hand phalanges	Epiphyses, prox./intermediate hand phalanges	White	1132
			▶ Ageing indicator: Proximal epiphysis. Unfused epiphysis, age under 14-16.5 years		
1	Lower limb	Sesamoid bone	Complete	White	1133
2	Upper limb	Hand phalanges	Proximal hand phalanges, fragments	White	1134
			▶ Ageing indicator: Proximal epiphysis. Epiphyses fusing, age c. 14-16.5		
1	Upper limb	Hand phalanges	Intermediate hand phalanx, fragment	White	1135
1	Upper limb	Hand phalanges	Proximal hand phalanx, fragments	White	1136
1	Upper limb	Hand phalanges	Prox./intermediate hand phalanx, fragment	Black	1137
1	Lower limb	Foot phalanges	Intermediate foot phalanx, 2nd?	White	1138
1	Upper limb	Radius	Unfused head	White	1139
			▶ Ageing indicator: Proximal epiphysis. Unfused proximal epiphysis, age under 11.5-17 year		
1	R Upper limb	Ulna	Unfused distal epiphysis	Black	1140
1	L Upper limb	Ulna	Unfused distal epiphysis	White	1141
			▶ Ageing indicator: . Distal epiphysis unfused, age under 12-16		
			▶ Poor calcination: Inside fragment. Grey		
1	Skull	Dentition	Crown fragment, mand. 1st perm. Molar		1142
			▶ Ageing indicator: 1st permanent molar. Unerupted first molar, age c. 4-7		
1	Skull	Dentition	Crown, fragment, 3rd or 2nd. Molar		1143

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7.2.4 Bone fragments in 'EA 11'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
			▶ Ageing indicator: . Unerupted 3rd or 2nd molar, age under 18		
1	Skull	Dentition	Crown, fragment, 3rd molar or premolar		1144
			▶ Ageing indicator: Third molar or premolar. Unerupted third molar or premolar, age under 18		
1	Skull	Dentition	Crown fragment, mand. 1st premolar		1145
			▶ Ageing indicator: Mandibular 1st premolar. Unerupted mandibular 1st premolar, age c. 8-12		
2	R Skull	Dentition	Root of max. 1st premolar, adjoining fragments		1146
			▶ Ageing indicator: Max. 1st premolar. Max. 1st premolar, apex open, age 10-13		
1	Skull	Dentition	Crown fragment, premolar		1147
			▶ Ageing indicator: Premolar. Premolar unerupted, age c. 8-13		
1	L Skull	Dentition	Root of max. 1st premolar		1148
			▶ Ageing indicator: Max. 1st premolar. Max. 1st premolar apex open, age 10-13		
1	Skull	Dentition	Root fragment, mand. 2nd perm. Molar		1149
			▶ Ageing indicator: Mand. 2nd perm. Molar. Mand. 2nd perm. Molar erupted, age over 10-15		
1	R Skull	Dentition	Root fragments, adjoining, mand. 1st premolar		1150
			▶ Ageing indicator: Mand. 1st premolar. Mand. 1st premolar, apex closed, age over 12-13		
1	Skull	Dentition	Root max. Perm. Canine		1151
1	L Skull	Dentition	Root, max. 2nd premolar		1152
			▶ Ageing indicator: Apex. Max. 2nd prem. Apex open, age 10-14		
1	L Skull	Dentition	Root, mand. 2nd premolar		1153
1	Skull	Dentition	Root, mand. 1st perm. Incisor		1154
1	Skull	Dentition	Root, mand. 2nd premolar		1155
			▶ Ageing indicator: Apex. Mand. 2nd premolar, apex open, age 11-14		
15	Skull	Dentition	Root and crown fragments, small		1156
1	Skull	Dentition	Root, mand. 1st or 2nd perm molar		1157
			▶ Ageing indicator: Root. Mand. 1st or 2nd perm molar erupted, age under 17		
1	Skull	Dentition	Root fragment, max. 1st dec. Molar		1158
			▶ Ageing indicator: Root. Max. 1st dec. Molar root formed, age 2-8		
1	Skull	Dentition	Root fragment, mand. 1st or 2nd molar		1159
			▶ Ageing indicator: Apex. Mand. 1st or 2nd molar, apex open, age 7-14		
1	Skull	Dentition	Root fragment, mand. 1st or 2nd molar		1160
			▶ Ageing indicator: Apex. Mand. 1st or 2nd molar, apex open, age 7-14		
1	Skull	Dentition	Root fragment, mand. 2nd dec. Molar		1161
			▶ Ageing indicator: Root. Mand. 2nd dec. Molar, apex closed, age 3-7		
1	Skull	Dentition	Root fragment, mand. 1st or 2nd molar		1162
			▶ Ageing indicator: Root. Mand. 1st or 2nd molar erupted, age 4-14		

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7.2.4 Bone fragments in 'EA 11'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
2	Skull	Dentition	Root fragments, mand. 2nd perm. Incisor		1163
1	Skull	Dentition	Root fragment, mand. 1st or 2nd perm. Incisor		1164
			▶ Ageing indicator: Apex. Mand. 1st/2nd perm. Incis., apex open, age 7-9		
2	Skull	Dentition	Root, max. 1st perm. Incisor		1165
			▶ Ageing indicator: Root. Max. 1st perm. Incisor, age over 7-8		
1	Skull	Dentition	Root, mand. 2nd premolar		1166
			▶ Ageing indicator: Apex. Mand. 2nd premolar, apex open, age 11-14		
1	Skull	Dentition	Root fragments, mand. 2nd premolar		1167
1	L Skull	Temporal bone	Petrous part	White	1168
1	R Skull	Temporal bone	Petrous part	White	1169
1	L Skull	Zygomatic	Complete	White	1170
1	R Skull	Zygomatic	Frontal process	White	1171
1	L Skull	Frontal bone	Supraorbital margin	White	1172
1	Skull	Frontal bone	With frontal crest	White	1173
1	Skull	Occipital	With border of foramen magnum and occ. Condyle	White	1174
1	Skull	Parietal	Skull vault with striae	White	1175
1	Skull	Parietal	Skull vault	White	1176
1	R Upper limb	Humerus	Trochlea	White	1177
1	L Upper limb	Radius	Proximal end, head fragment and radial tuberosity	White	1178
			▶ Ageing indicator: Proximal epiphysis. Line of fusion very faint, age > 11.5-17 years		
2	Lower limb	Fibula	Fragment of fibular shaft	White	1179
1	R Upper limb	Ulna	Fragment of shaft	White	1180
1	R Upper limb	Radius	Frag. of proximal shaft, part of radial tuberosity	White	1181
1	R Lower limb	Tibia	Fragment of proximal shaft	White	1182
1	L Upper limb	Humerus	Fragment of head	White	1183
1	R Upper limb	Humerus	Fragment of head	White	1184
1	Upper limb	Humerus	Fragment of shaft	White	1185
1	Lower limb	Tibia	Fragment of distal shaft	White	1186
1	Lower limb	Femur	Fragment of distal end	White	1187
			▶ Ageing indicator: Distal epiphysis. Distal epiphysis unfused, age < 14-20		
1	R Upper limb	Radius	Fragment of shaft	White	1188
1	Lower limb	Fibula	Fragment of shaft	White	1189
1	Upper limb	Ulna	Fragment of shaft	White	1190
1	Lower limb	Tibia	Fragment of shaft	White	1191
1	Upper limb	Humerus	Fragment of shaft	White	1192
1	L Lower limb	Femur	Fragment of proximal shaft	White	1193
			▶ Stain: Linea aspera. Green staining		
8	Lower limb	Femur	Fragment of shaft	White	1194

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7.2.4 Bone fragments in 'EA 11'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
8	Lower limb	Tibia	Fragment of shaft	White	1195
5	Upper limb	Humerus	Fragment of shaft	White	1196
1	Upper limb	Humerus	Fragment of shaft	White	1197
			► Specks: . Pale turquoise		
1	Upper limb	Humerus	Fragment of shaft	White	1198
			► Specks: . Pale turquoise		
1	R Upper limb	Ulna	Fragment of proximal end	White	1199
1	L Lower limb	Femur	Fragment of proximal shaft	White	1200
1	Lower limb	Femur	Fragment of head	White	1201
1	Lower limb	Femur	Fragment of shaft	White	1202
			► Poor calcination: . Sandwich effect		
1	L Upper limb	Ulna	Fragment of proximal shaft	White	1203
1	R Lower limb	Femur	Fragment of distal end	White	1204
			► Ageing indicator: . Distal end unfused, age < 14-20 years		
3	Upper limb	Radius	Fragment of shaft	White	1205
1	Upper limb	Ulna	Fragment of shaft	White	1206
			► Specks: . Pale turquoise		
1	Upper limb	Ulna	Fragment of shaft	White	1207
4	Axial	Rib fragments	Shaft fragment	White	1208
			► Specks: . Pale turquoise		
6	Axial	Rib fragments	Shaft fragment	White	1209
			► Cremation slag: .		
1	Axial	Rib fragments	Shaft fragment	White	1210
			► Stain: . Dark brown, round		
84	Axial	Rib fragments	Shaft fragment	White	1211
1	Axial	Lumbar vertebra	Fragment of vertebral body	White	1212
			► Stain: Inferior side. Pale turquoise		
3	Axial	Thoracic vertebra	Fragment of body	White	1213
2	Axial	Cervical vertebra	Fragment of body	White	1214
1	Axial	Thoracic vertebra	Fragment of vertebral arch	White	1215
1	Axial	Axis vertebra	Odontoid process	White	1216
1	Axial	Lumbar vertebra	Fragment of spinous process	White	1217
1	Axial	Thoracic vertebra	Superior articular facet	White	1218
1	Axial	Thoracic vertebra	Inferior articular facet	White	1219
1	Axial	Thoracic vertebra	Superior articular facet and pedicle	White	1220
2	Axial	Cervical vertebra	Fragment of neural arch	White	1221
1	Axial	Thoracic vertebra	Spinous process	White	1222
1	Axial	Lumbar vertebra	Spinous process	White	1223
2	Axial	Lumbar vertebra	Inferior articular facet	White	1224
			► Other: . Criss-cross patterning		
2	Axial	Thoracic vertebra	Superior articular facet	White	1225
1	Skull	Parietal	Fragment with parietal striae	White	1226

Osteological data report for Bridge of Banff

7.2.4 Bone fragments in 'EA 11'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Stain: Endocranially. Light yellow/brown, slip-like		
1	Skull	Frontal bone	Skull vault	White	1227
1	R Skull	Parietal	Skull vault with parietal striae	White	1228
1	Skull	Frontal bone	Fragment of supraorbital margin	White	1229
1	L Skull	Frontal bone	Fragment of supraorbital margin	White	1230
1	Skull	Temporal bone	Skull vault	White	1231
1	Skull	Parietal	Skull vault	White	1232
			▶ Stain: Endocranially. Brown/orange/yellow/blue, "tortoise shell" effect		
1	Skull	Sphenoid	Foramen rotundum	White	1233
1	L Skull	Frontal bone	Skull vault	White	1234
1	Skull	Occipital	Cruciform eminence	White	1235
1	R Skull	Maxilla	Alveolar process with four alveoli	White	1236
1	L Skull	Mandible	Fragment of body with three alveoli	White	1237
4	Skull	Mandible	Mental spines, four alveoli	White	1238
1	L Skull	Mandible	Fragment of body, with two alveoli	White	1239
			▶ Other: . Criss-cross pattern		
			▶ Poor calcination: Posterior part of fragment. Mid grey		
1	Skull	Mandible	Fragment of body with four alveoli	White	1240
1	R Skull	Mandible	Fragment of body with three alveoli	White	1241
1	Skull	Maxilla	Maxillary sinus and two alveoli	White	1242
1	L Skull	Mandible	Fragment of ramus	White	1243
1	Skull	Maxilla	Alveolar process, with at least one alveolus	White	1244
2	Skull	Parietal	Skull vault	White	1245
1	R Upper limb	Lunate	Fragment	Black	1246
1	Lower limb	Sesamoid bone	Complete	White	1247
1	Lower limb	Metatarsal bone	Fragment	White	1248
1	Lower limb	Foot phalanges	Fragment of intermediate	White	1249
1	Upper limb	Hand phalanges	Fragment of distal	White	1250
1	Lower limb	Foot phalanges	Fragment of proximal or intermediate	White	1251
1	Upper limb	Metacarpal	Head of fourth metacarpal	White	1252
			▶ Ageing indicator: . Head still fusing, age c. 14.5-16.5 year		
1	Upper limb	Hand phalanges	Fragment of proximal	White	1253
1	Upper limb	Hand phalanges	Fragment of proximal or intermediate	Black	1254
			▶ Ageing indicator: . Distal end fusing, age c. 13.5-16 years		
1	Upper limb	Hand phalanges	Fragment of proximal and intermediate	White	1255
1	Upper limb	Hand phalanges	Fragment of distal or intermediate	White	1256
1	R Upper limb	Metacarpal	Fragment of first metacarpal	White	1257
			▶ Ageing indicator: Proximal epiphysis. Base fusing, age c. 14-16.5		
1	Upper limb	Hand phalanges	Fragment of proximal or intermediate hand phalanx	White	1258
2	Lower limb	Foot phalanges	Fragments of proximal foot phalanx	White	1259

Osteological data report for Bridge of Banff

7.2.4 Bone fragments in 'EA 11'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
1	L Lower limb	Metatarsal bone	Fragment of 1st metatarsal	White	1260
1	Lower limb	Foot phalanges	Fragment of proximal or intermediate foot phalanx	White	1261
			▶ Ageing indicator: Proximal epiphysis. Epiphysis fusing/recently fused, age c. 13-18		
2	Lower limb	Metatarsal bone	Fragments of two unknown metatarsals	White	1262
1	R Upper limb	Scaphoid	C. 1/2 of bone	White	1263
1	Upper limb	Metacarpal	Fragment of base, 4th metacarpal	White	1264
3	Upper limb	Hand phalanges	Fragments of proximal or intermediate	White	1265
1	R Lower limb	Metatarsal bone	Fragment of base of 1st metatarsal	White	1266
1	R Upper limb	Metacarpal	Fragment of 2nd	White	1267
1	L Upper limb	Metacarpal	Fragment of 3rd	White	1268
2	Upper limb	Metacarpal	Fragment of unknown metacarpal	White	1269
1	Upper limb	Metacarpal	Fragment of unknown metacarpal	White	1270
			▶ Poor calcination: Head. Light grey		
1	Lower limb	Metatarsal bone	Fragment of 5th	White	1271
1	L Lower limb	Foot phalanges	Fragment of 1st proximal	White	1272
1	Upper limb	Hand phalanges	Fragment of proximal or intermediate	White	1273
			▶ Ageing indicator: Proximal epiphysis. Bone is fusing, age c. 14-16.5		
2	Axial	Atlas vertebra	Superior facet and neural arch, adjoining fragments	White	1274
			▶ Specks: Superior facet, neural arch. Pale turquoise		
1	Axial	Thoracic vertebra	Transverse process	White	1275
1	Axial	Cervical vertebra	Superior and inferior articular facets	White	1276
1	Axial	Thoracic vertebra	Fragment of neural arch	White	1277
1	Axial	Thoracic vertebra	Articular facets, part of transverse process	White	1278
			▶ Other: Widespread. Some criss-cross patterning		
5	Axial	Thoracic vertebra	Superior articular facets, complete and frags.	White	1279
1	Axial	Lumbar vertebra	Superior articular facet	White	1280
4	Axial	Cervical vertebra	Fragments of bodies	White	1281
1	Axial	Sacrum	Fragment of sacral body, S2?	White	1282
			▶ Ageing indicator: Fusion between S1 and S2 or S2 and S3. S2? Unfused, age at least under 25		
1	Axial	Sacrum	Fragment of sacral body, S1	White	1283
			▶ Ageing indicator: Inferior aspect. Inferior aspect unfused, age under 25		
1	Axial	Sacrum	Fragment of sacral body, S3	White	1284
			▶ Ageing indicator: Superior aspect. Superior aspect unfused, age under puberty		
1	Axial	Sacrum	Small fragment of S5	White	1285
1	Lower limb	Tibia	Fragment of shaft	White	1286
1	Axial	Sacrum	Small fragment of S2 or S3	White	1287
1	Lower limb	Ilium	Fragment of epiphyseal surface for iliac crest	White	1288

Osteological data report for Bridge of Banff

7.2.4 Bone fragments in 'EA 11'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
			▶ Ageing indicator: Iliac crest. Unfused iliac crest, age less than 17-23		
			▶ Poor calcination: Crest. Light blue-grey		
1	Lower limb	Ilium	Fragment of epiphyseal surface for iliac crest	White	1289
			▶ Ageing indicator: Iliac crest. Unfused iliac crest, age less than 17-23		
1	Lower limb	Ilium	Fragment of epiphyseal surface for iliac crest	White	1290
			▶ Ageing indicator: Iliac crest. Iliac crest unfused, age less than 17-23		
			▶ Other: Posterior surface. Criss-cross patterning		
1	Lower limb	Ilium	Fragment of epiphyseal surface for iliac crest	White	1291
			▶ Ageing indicator: Iliac crest. Iliac crest unfused, age less than 17-23		
			▶ Ageing indicator: . Thinner than other fragments, younger individual?		
			▶ Other: . Criss-cross patterning		
1	Lower limb	Ilium	Iliac spine	White	1292
			▶ Ageing indicator: Iliac spine. Iliac spine unfused, age less than 20		
1	Lower limb	Pubis	Fragment of pubic symphysis	White	1293
1 R	Lower limb	Ilium	Preauricular sulcus and iliac tuberosity	White	1294
1 R	Lower limb	Ischium	Fragment of ischium, epiphyseal surface	White	1295
			▶ Ageing indicator: Ischial tuberosity. Ischial tuberosity unfused, age less than 16-18		
1 L	Lower limb	Ilium	Fragment with part of greater sciatic notch	White	1296
			▶ Sexing indicator: Greater sciatic notch. Greater sciatic notch scores 1, female		
1 R	Lower limb	Ilium	Fragment	White	1297
			▶ Specks: Anterior surface. Pale turquoise		
			▶ Other: . Posterior surface more cracked than anterior		
2	Lower limb	Ilium	Fragments	White	1298
20	Axial	Rib fragments	Shaft fragments	White	1299
1 L	Axial	Rib fragments	Fragment of shaft, posterior	White	1300
			▶ Ageing indicator: Head and tubercle. No epiphyses present, age less than 12-14		
1	Axial	Rib fragments	Shaft fragment	White	1301
			▶ Poor calcination: . Sandwich effect		
1	Upper limb	Scapula	Fragment with part of glenoid fossa	White	1302
			▶ Ageing indicator: Glenoid fossa. Glenoid present, age over 8-10		
1 L	Upper limb	Scapula	Fragment of scapular spine	White	1303
1	Lower limb	Femur	Fragment of shaft	White	1304
1	Skull	Mandible	Fragment of body	White	1305
1	Lower limb	Ilium	Fragment	White	1306
2	Axial	Cervical vertebra	Fragment of body	White	1307
1	Axial	Sacrum	Fragment of sacral body	White	1308
2	Axial	Thoracic vertebra	Fragments of neural arch	White	1309

Osteological data report for Bridge of Banff

7.2.4 Bone fragments in 'EA 11'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	R Lower limb	Femur	Fragment of proximal shaft with lesser trochanter ▶ Ageing indicator: Lesser trochanter. Lesser trochanter fusing, age 16-17	White	1310
1	L Lower limb	Femur	Fragment of proximal shaft with lesser trochanter ▶ Ageing indicator: . Lesser trochanter unfused, age under 16-17	White	1311
1	Lower limb	Femur	Fragment of distal end with part of metaphyseal s. ▶ Ageing indicator: Distal epiphysis. Unfused distal epiphysis, age under 14-20	White	1312
1	R Lower limb	Ilium	Fragment	White	1313
1	Lower limb	Femur	Fragment of proximal femoral shaft	White	1314
1	L Lower limb	Ilium	Fragment, anterior	White	1315
1	L Upper limb	Radius	Fragment of distal end with metaphyseal s. ▶ Ageing indicator: Distal epiphysis. Distal end unfused, age under 14-20	White	1316
1	R Upper limb	Radius	Fragment of distal end with metaphyseal s. ▶ Ageing indicator: Distal epiphysis. Distal end unfused, age under 14-20 ▶ Poor calcination: Distal shaft. Proximal end of frag. Mid grey ▶ Other: Distal shaft. Criss-cross pattern on proximal end of frag.	White	1317
1	Upper limb	Ulna	Fragment of distal end with metaphyseal s. ▶ Ageing indicator: Distal epiphysis. Distal ulna unfused, age under 15-20	White	1318
1	Lower limb	Fibula	Fragment of distal end with metaphyseal s. ▶ Ageing indicator: Distal epiphysis. Distal epiphysis unfused, age under 12-18 ▶ Poor calcination: Distally. Poor calcination, mid-grey	White	1319
1	Lower limb	Fibula	Fragment of proximal end with metaphyseal s. ▶ Ageing indicator: Proximal epiphysis. Proximal epiphysis unfused, age under 12-20 ▶ Poor calcination: Epiphyseal surface. Mid-grey	White	1320
1	Skull	Unspecified	Skull vault fragment	White	1321
1	L Skull	Temporal bone	Mandibular fossa, articular eminence	White	1322
5	Skull	Unspecified	Very small fragments, temporal or maxillae	White	1323
1	Skull	Temporal bone	Fragment of external acoustic meatus and mastoid p ▶ Specks: Superior edge. Pale turquoise	White	1324
1	Axial	Cervical vertebra	Fragment of neural arch with articular facets	White	1325
1	R Skull	Zygomatic	Frontal process ▶ Specks: Endocranially. Pale turquoise	White	1326
4	Axial	Rib fragments	Sternal ends	White	1327

Osteological data report for Bridge of Banff

7.2.4 Bone fragments in 'EA 11'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Axial	Rib fragments	Sternal end ▶ Poor calcination: Inside bone. Mid-grey, sandwich effect	White	1328
23	Skull	Unspecified	Skull vault, very small	White	1329
1 L	Skull	Mandible	Mandibular condyle	White	1330
6	Lower limb	Ilium	Fragments ▶ Specks: Bone surface. Pale turquoise ▶ Other: Bone surface. Criss-cross patterning	White	1331
1 L	Lower limb	Ilium	Epiphyseal surface for iliac crest ▶ Ageing indicator: Epiphyseal surface. Iliac crest unfused, age under 17-23	White	1332
1	Lower limb	Pubis	Triradiate puboischial ossification ▶ Ageing indicator: Triradiate zone. Triradiate zone fusing, age c. 11-17 ▶ Poor calcination: . Some mid-grey	White	1333
1	Lower limb	Ischium	Small fragment with epiphyseal s. ▶ Ageing indicator: Ischium. Ischial tuberosity unfused, age under 20-23	White	1334
1	Skull	Temporal bone	Small fragment	White	1335
3	Skull	Unspecified	Fragment of sinus/facial skeleton	White	1336
1	Skull	Occipital	Pars basilaris ▶ Ageing indicator: Spheno-occipital synchondrosis. Unfused, age under 11-18	White	1337
1	Upper limb	Radius	Fragment of head	White	1338
1	Upper limb	Humerus	Fragment of head	White	1339
1	Lower limb	Femur	Fragment of head	White	1340
1	Lower limb	Femur	Distal end, epiphyseal s. ▶ Ageing indicator: Distal epiphysis. Distal epiphysis unfused, age under 14-20	White	1341
1	Lower limb	Tibia	Distal end ▶ Ageing indicator: Distal epiphysis. Distal end recently fused, age c.14-20 ▶ Cremation slag: Distal end. Some adhering	White	1342
1	Skull	Mandible	Fragment of ascending ramus	White	1343
1	Skull	Mandible	Fragment of body with 1 alveolus	White	1344
2	Axial	Lumbar vertebra	Fragment of neural arches	White	1345
1	Axial	Axis vertebra	Fragment w. Superior and inferior articular facets	White	1346
1	Upper limb	Ulna	Fragment of distal shaft	White	1347
1 R	Upper limb	Hamate	Fragment	White	1348
1	Lower limb	Tarsal bone	Fragment, medial or intermediate cuneiform	White	1349
1	Lower limb	Foot phalanges	Fragment of intermediate, very eroded	White	1350
1	Lower limb	Navicular	Fragment	White	1351
1	Lower limb	Metatarsal bone	Fragment of 5th, styloid process	White	1352
1	Upper limb	Hand phalanges	Fragment of proximal	White	1353
1	Lower limb	Foot phalanges	Fragment of proximal	White	1354
1	Upper limb	Metacarpal	Fragment of 1st	White	1355
1	Lower limb	Metatarsal bone	Fragment of unknown metatarsal	White	1356

Osteological data report for Cairnpapple

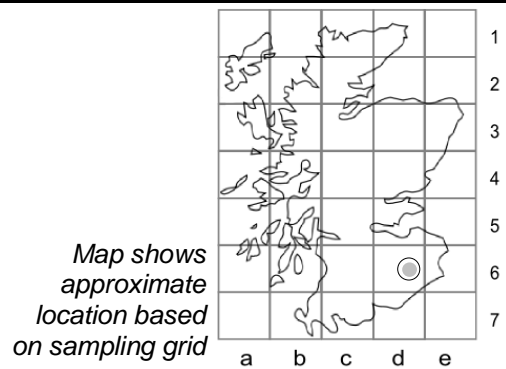
8.1 Site details for Cairnpapple

Classification and identification

Site type: Cairn
Canmore ref: 47919
Excavated: 1948
Deposits: 1

Location

Local authority: West Lothian
Easting: 298722
Northing: 671740



Minimum number of individuals (MNI)

MNI: 2
Males: 1 Adult: 2
Females: Child/adolescent:
 Infant:

Osteological data report for Cairnpapple

8.2 Deposit details for 'EP 178'

Deposit details

Deposit ID: EP 178
Urn type: Collared urn
Entered: 01/06/2011 10:39:18

Radiocarbon date

Lab number:
BP date: +/-
Cal BC*: -

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 2
Individuals by sex:
Male: 1
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 2

Composition of deposit by weight

Total initial weight: 1705g
Extraneous material: 305g
Est. inclusion 2-5mm: 118g (70%)
Total human bone: 1282g
Human bone weights by sieving fraction:
>10mm: 803g
5-10mm: 428g
2-5mm: 169g

Largest cranial and post cranial fragments

53.62mm Mandible
95.76mm Ulna

Identified bone fragments

Total identified bone: 518g (40%)
No. of ident. fragments: 280
Mean ident. fragment: 1.85g
Identified fragment weights by body element:
Skull: 215g
Axial: 9g
Lower limb: 232g
Upper limb: 62g

Pyre inferences

Poorly calcined fragments: 26 (9%)
Turquoise staining: 2 (1%)

Osteological data report for Cairnpapple

8.2.1 Individuals in 'EP 178'

No.	Sex	Age		
1	?M	Adult	Worked bone objects, poss frags of another ind	Possible tooth loss, pitting in sinus.
	Ageing indicator	Ilium		Auricular surface scores 2-3, age 25-34
	Ageing indicator	Cervical vertebra		Annular ring fused, age over mid-twenties
	Ageing indicator	Mandible		Third molar present, age over 18
	Ageing indicator	Maxilla		Max 3rd molar present, age over 18
	Ageing indicator	Occipital		Lambd suture obliterated internally
	Ageing indicator	Parietal		Lambd suture obliterated internally
	Ageing indicator	Parietal		Lambdoid suture obliterated internally
	Ageing indicator	Parietal		Sag suture obliterated int., and almost ext.
	Ageing indicator	Unspecified		Sutures obliterated internally
	Pathology	Maxilla		Remodelling seen at alveoli for buccal roots of M1
	Pathology	Frontal bone		Small prominence or bump w pit inside
	Sexing indicator	Frontal bone		Supraorbital ridge/glebella scores 4, ?male
	Sexing indicator	Frontal bone		Supraorbital margin scores 4, ?male
	Sexing indicator	Frontal bone		Supraorbital margin scores 4, ?male
2	??	Adult	Age v uncertain, as only 1 frag.	
	Duplicate	Mandible		Poss, as does not fit w other frag
	Sexing indicator	Mandible		Small and delicate, ?female

8.2.2 Pyre goods in 'EP 178'

Quantity	Material	Typology/classification	Description
1	Worked bone	Bone pin	Several frags, head is perforated
1	Worked bone	Bone plaque?	Fragment of unknown object
1	Worked bone	Toggle?	Fragment of unknown object
1	Worked bone?	Unknown	Possibly worked bone

8.2.3 Inclusions in 'EP 178'

Weight (g)	Inclusion type
2	Charcoal
140	Pottery

8.2.4 Bone fragments in 'EP 178'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
77	Skull	Unspecified	Skull vault	White	3197
			► Ageing indicator: . Sutures obliterated internally		
13	Skull	Unspecified	Skull vault	White	3198
			► Poor calcination: Diploe, also endocranially. Light grey, sandwich effect		
15	Skull	Unspecified	Facial skeleton	White	3199
15	Skull	Parietal	Skull vault, including parietal striae	White	3200

Osteological data report for Cairnpapple

8.2.4 Bone fragments in 'EP 178'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Ageing indicator: Varies throughout. Sag suture obliterated int., and almost ext.		
			▶ Ageing indicator: . Lambd suture obliterated internally		
1	Skull	Parietal	Skull vault	White	3201
			▶ Specks: Endocranially, only one speck. Pale turquoise		
			▶ Ageing indicator: . Lambdoid suture obliterated internally		
1	Skull	Wormian bone	Complete, small	White	3202
3	Skull	Occipital	Skull vault, incl. Sulci	White	3203
			▶ Ageing indicator: . Lambd suture obliterated internally		
1	Skull	Occipital	Skull vault, w nuchal line	White	3204
			▶ Poor calcination: Diploe. mid grey, sandwich effect		
1	Skull	Occipital	Transverse sulcus	White	3205
			▶ Poor calcination: Endocranial, only small area. Light grey		
9	Skull	Temporal bone	Frag	White	3206
1 L	Skull	Temporal bone	Petrous part	White	3207
1 R	Skull	Zygomatic	Almost complete	White	3208
1 L	Skull	Zygomatic	Frontal process	White	3209
1 R	Skull	Frontal bone	Frag w supraorbital margin	White	3210
			▶ Sexing indicator: . Supraorbital margin scores 4, ?male		
1 L	Skull	Frontal bone	Frag of supraorbital margin	White	3211
			▶ Sexing indicator: . Supraorbital margin scores 4, ?male		
1	Skull	Frontal bone	Frag w frontal crest and frontal sinuses	White	3212
			▶ Sexing indicator: . Supraorbital ridge/glabella scores 4, ?male		
			▶ Pathology: Left sinus. Small prominence or bump w pit inside		
1 R	Skull	Maxilla	Frag of alveolar process w alveoli	White	3213
			▶ Ageing indicator: . Max 3rd molar present, age over 18		
			▶ Pathology: Max 1st perm molar. Remodelling seen at alveoli for buccal roots of M1		
1 L	Skull	Maxilla	Frag of alveolar process w alveoli	White	3214
2	Skull	Maxilla	Frag of sinus	White	3215
1	Skull	Mandible	Frag of body w alveoli	White	3216
1	Skull	Mandible	Frag of body w mental spines	White	3217
1 R	Skull	Mandible	Frag of coronoid process and mand notch	White	3218
			▶ Sexing indicator: . Small and delicate, ?female		
			▶ Duplicate: . Poss, as does not fit w other frag		
1 R	Skull	Mandible	Frag of body and asc ramus	White	3219
			▶ Ageing indicator: . Third molar present, age over 18		
20	Skull	Dentition	Small tooth root frags		3220
1	Skull	Dentition	Mand 1st perm incisor		3221
1	Skull	Dentition	Frag of max 1st perm incisor		3222
4	Skull	Dentition	Frag of mand 1st or 2nd perm molars		3223
3	Skull	Dentition	Frag of max 1st or 2nd perm molars		3224

Osteological data report for Cairnpapple

8.2.4 Bone fragments in 'EP 178'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
2	Skull	Dentition	Frag of max 1st or 2nd premolars		3225
1	Skull	Dentition	Frag of max 3rd molar		3226
1	Skull	Dentition	Frag of max 3rd molar		3227
1	Skull	Dentition	Frag of max 2nd perm molar		3228
1	Skull	Dentition	Max 2nd perm incisor		3229
1	Skull	Dentition	Mand 1st premolar		3230
1	Skull	Dentition	Mand 2nd premolar		3231
1	Skull	Dentition	Max perm canine		3232
1	Skull	Dentition	Frag of max perm canine		3233
1	Skull	Dentition	Frag of mand perm canine		3234
15	Axial	Rib fragments	Shaft frags	White	3235
1	Axial	Atlas vertebra	Frag	White	3236
1	Axial	Thoracic vertebra	Frag of neural arch, sup art facet	White	3237
1	Axial	Cervical vertebra	Small frag of body	White	3238
			► Ageing indicator: . Annular ring fused, age over mid-twenties		
1	Axial	Thoracic vertebra	Frag of neural arch	White	3239
1	Axial	Lumbar vertebra	Frag of neural arch, sup art facet	White	3240
1	Axial	Lumbar vertebra	Frag of neural arch, inf art facet	White	3241
1	L Upper limb	Scapula	Frag w glenoid fossa and part of acromion	White	3242
3	Upper limb	Humerus	Shaft frags	White	3243
			► Poor calcination: Small areas of light grey on surface of all frags. Light grey		
1	Upper limb	Ulna	Shaft frag	White	3244
4	Upper limb	Radius	Shaft frags	White	3245
			► Poor calcination: Inside bone, but not in medullary cavity. Light grey, sandwich effect (v subtle)		
1	Upper limb	Metacarpal	Frag	White	3246
18	Upper limb	Hand phalanges	Frag and complete, proximal/intermediate	White	3247
4	Upper limb	Hand phalanges	Distal, complete	White	3248
1	Lower limb	Ischium	Frag of ischial tuberosity	White	3249
1	Lower limb	Ilium	Frag of acetabulum	White	3250
1	Lower limb	Ilium	Frag of auricular surface	White	3251
			► Ageing indicator: . Auricular surface scores 2-3, age 25-34		
4	Lower limb	Femur	Frag of proximal shaft	White	3252
9	Lower limb	Femur	Shaft frags	White	3253
3	Lower limb	Femur	Shaft frags w linea aspera	White	3254
1	Lower limb	Femur	Shaft frag	White	3255
			► Specks: One speck, surface of bone. Pale turquoise		
1	Lower limb	Femur	Frag of head and neck	White	3256
2	Lower limb	Femur	Frag of head	White	3257
3	Lower limb	Femur	Frag of distal end, condyles	White	3258
2	Lower limb	Tibia	Shaft frags	White	3259

Osteological data report for Cairnpapple

8.2.4 Bone fragments in 'EP 178'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Poor calcination: Inside bone, not in medullary cavity. Light grey, sandwich effect, v subtle		
1	Lower limb	Tibia	Shaft frag	White	3260
2	Lower limb	Fibula	Shaft frags	White	3261
			▶ Poor calcination: Inside bone, not in medullary cavity. Light grey, sandwich effect, v subtle		
2	Lower limb	Fibula	Shaft frags	White	3262
1 R	Lower limb	Calcaneus	Frag	White	3263
1	Lower limb	Tarsal bone	Frag	White	3264
1	Lower limb	Metatarsal bone	Frag	White	3265
1	Lower limb	Foot phalanges	Intermediate, complete	White	3266

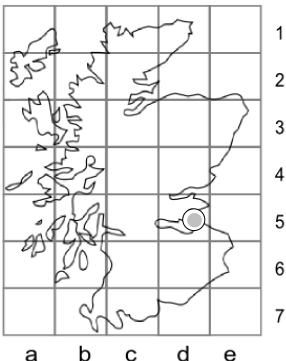
Osteological data report for Callange

9.1 Site details for Callange

Classification and identification

Site type: Mound
Canmore ref: 33054
Excavated:
Deposits: 1

Location

Local authority: Fife	
Easting: 342001	
Northing: 711014	
<i>Map shows approximate location based on sampling grid</i>	

Minimum number of individuals (MNI)

MNI: 1	
Males: 1	Adult: 1
Females:	Child/adolescent:
	Infant:

Osteological data report for Callange

9.2 Deposit details for 'EA 152'

Deposit details

Deposit ID: EA 152
Urn type: Vase urn
Entered: 21/07/2011 19:01:14

Radiocarbon date

Lab number:
BP date: 0 +/- 0
Cal BC*: 0 - 0

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male: 1
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 252g
Extraneous material: 3g
Est. inclusion 2-5mm: 0g (0%)
Total human bone: 249g
Human bone weights by sieving fraction:
>10mm: 228g
5-10mm: 21g
2-5mm: 0g

Largest cranial and post cranial fragments

60.7mm Unspecified
73.07mm Humerus

Identified bone fragments

Total identified bone: 128g (51%)
No. of ident. fragments: 36
Mean ident. fragment: 3.56g
Identified fragment weights by body element:
Skull: 24g
Axial: 3g
Lower limb: 75g
Upper limb: 26g

Pyre inferences

Poorly calcined fragments: 8 (22%)
Turquoise staining: (%)

Osteological data report for Callange

9.2.1 Individuals in 'EA 152'

No. Sex Age

1	?M	Adult		
Ageing indicator	Femur		Femoral head fused, age over 14-19	
Ageing indicator	Femur		Size suggests adult	
Ageing indicator	Unspecified		Size suggests adult	
Ageing indicator	Temporal bone		Size suggests adult	
Ageing indicator	Temporal bone		Size suggests adult	
Sexing indicator	Ilium		Greater sciatic notch scores 4, ?male	

9.2.2 Pyre goods in 'EA 152'

Quantity Material Typology/classification Description

9.2.3 Inclusions in 'EA 152'

Weight (g) Inclusion type

9.2.4 Bone fragments in 'EA 152'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
4	Skull	Unspecified	Skull vault ▶ Ageing indicator: . Size suggests adult	White	5850
1	L Skull	Temporal bone	Petrous part ▶ Ageing indicator: . Size suggests adult	White	5851
1	R Skull	Temporal bone	Petrous part ▶ Ageing indicator: . Size suggests adult	White	5852
1	Axial	Rib fragments	Shaft frag	White	5853
1	Axial	Lumbar vertebra	Frag of neural arch and body ▶ Poor calcination: Inside spongy bone. Mid grey	White	5854
5	Upper limb	Humerus	Shaft frags	White	5855
1	Upper limb	Humerus	Shaft frag ▶ Poor calcination: Inside bone. Mid grey, sandwich effect	White	5856
8	Lower limb	Ilium	Frag	White	5857
1	Lower limb	Ilium	Frag of acetabulum	White	5858
1	Lower limb	Ilium	Greater sciatic notch ▶ Sexing indicator: . Greater sciatic notch scores 4, ?male	White	5859
1	Lower limb	Femur	Frag of head ▶ Poor calcination: Inside spongy bone in head. Mid grey	White	5860
1	Lower limb	Femur	Frag of head and shaft ▶ Poor calcination: Inside spongy bone in head. Mid grey ▶ Ageing indicator: . Femoral head fused, age over 14-19	White	5861
2	Lower limb	Femur	Shaft frags	White	5862
1	Lower limb	Femur	Shaft frag ▶ Poor calcination: Inside bone. Mid grey, sandwich effect	White	5863

Osteological data report for Callange

9.2.4 Bone fragments in 'EA 152'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
3	Lower limb	Femur	Frag of distal end, condyles ▶ Poor calcination: Inside spongy bone. Light grey ▶ Ageing indicator: . Size suggests adult	White	5864
1	Lower limb	Fibula	Shaft frag	White	5865
3	Lower limb	Calcaneus	Frag	White	5866

Osteological data report for Carnousie

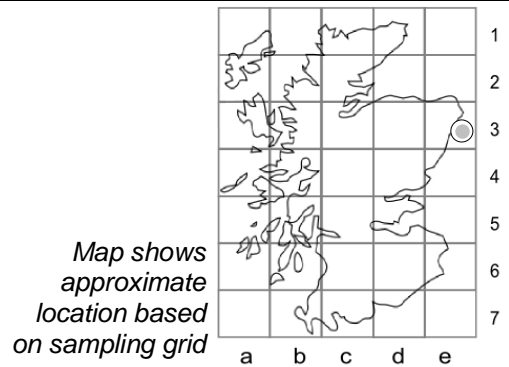
10.1 Site details for Carnousie

Classification and identification

Site type: Unknown
Canmore ref: 18409
Excavated:
Deposits: 1

Location

Local authority: Aberdeenshire
Easting: 366298
Northing: 849443



Minimum number of individuals (MNI)

MNI: 1
Males: Adult:
Females: Child/adolescent:
Infant: 1

Osteological data report for Carnousie

10.2 Deposit details for 'EA 47'

Deposit details

Deposit ID: EA 47
Urn type: Collared urn
Entered: 14/07/2011 19:58:04

Radiocarbon date

Lab number:
BP date: 0 +/- 0
Cal BC*: 0 - 0

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant: 1
Child/adolescent:
Adult:

Composition of deposit by weight

Total initial weight: 100g
Extraneous material: 7g
Est. inclusion 2-5mm: 2g (10%)
Total human bone: 91g
Human bone weights by sieving fraction:
>10mm: 22g
5-10mm: 55g
2-5mm: 16g

Largest cranial and post cranial fragments

0mm
mm

Identified bone fragments

Total identified bone: 32g (35%)
No. of ident. fragments: 137
Mean ident. fragment: 0.23g
Identified fragment weights by body element:
Skull: 28g
Axial: 3g
Lower limb: 0g
Upper limb: 1g

Pyre inferences

Poorly calcined fragments: 130 (95%)
Turquoise staining: (%)

Osteological data report for Carnousie

10.2.1 Individuals in 'EA 47'

No.	Sex	Age	
1	??	Foetal/infant	Age c 2.5-4. Cremated w young sheep/goat.
Ageing indicator	Hand phalanges		Bases unfused, age under 14-16
Ageing indicator	Lumbar vertebra		Neural arch unfused to body, age under c 3-4 years
Ageing indicator	Thoracic vertebra		Neural arch unfused to body, age under c 3-4 years
Ageing indicator	Cervical vertebra		Neural arch unfused to body, age under c 3-4 years
Ageing indicator	Cervical vertebra		Small, unfused to neural arches, age under c 3-4 y
Ageing indicator	Dentition		Mand 1st perm molar unerupted, age c. 2.5-7
Ageing indicator	Temporal bone		Size suggests Infant, but not neonate
Ageing indicator	Frontal bone		V thin, suggests child/infant
Ageing indicator	Unspecified		Frag thin, look like child/infant

10.2.2 Pyre goods in 'EA 47'

Quantity	Material	Typology/classification	Description
25	Animal bone	Sheep sized	Phalanges, metacarpals/tarsals, young animal

10.2.3 Inclusions in 'EA 47'

Weight (g)	Inclusion type
3	Charcoal

10.2.4 Bone fragments in 'EA 47'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
1E	Skull	Unspecified	Skull vault	White	5546
			► Poor calcination: Diploe, also on endo- and ectocranial surfaces. Light to dark grey, sandwich effect		
			► Ageing indicator: . Frags thin, look like child/infant		
4	Skull	Parietal	Skull vault	White	5547
			► Poor calcination: Diploe, also on endo- and ectocranial surfaces. Light to dark grey, sandwich effect		
5	Skull	Unspecified	Facial skeleton	White	5548
			► Poor calcination: Widespread on frags. Light to mid grey		
1	Skull	Frontal bone	Frag w frontal crest	White	5549
			► Ageing indicator: . V thin, suggests child/infant		
1 R	Skull	Temporal bone	Petrous part	White	5550
			► Ageing indicator: . Size suggests Infant, but not neonate		
			► Poor calcination: Inside bone. Mig grey		
1	Skull	Dentition	Frag, unerupted crown, mand 1st perm molar	White	5551
			► Ageing indicator: . Mand 1st perm molar unerupted, age c. 2.5-7		
5	Axial	Rib fragments	Shaft frags	White	5552
1	Axial	Rib fragments	Shaft frag	White	5553

Osteological data report for Carnousie

10.2.4 Bone fragments in 'EA 47'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Poor calcination: C. Half of frag. Mid grey		
1	Axial	Cervical vertebra	Body	White	5554
			▶ Poor calcination: Inside spongy bone. Mid grey		
			▶ Ageing indicator: . Small, unfused to neural arches, age under c 3-4 y		
1	Axial	Cervical vertebra	Frag of neural arch	White	5555
			▶ Ageing indicator: . Neural arch unfused to body, age under c 3-4 years		
			▶ Poor calcination: Surface. Light grey		
2	Axial	Thoracic vertebra	Frag of neural arches	White	5556
			▶ Ageing indicator: . Neural arch unfused to body, age under c 3-4 years		
			▶ Poor calcination: Surface. Light grey		
1	Axial	Lumbar vertebra	Frag of neural arch	White	5557
			▶ Ageing indicator: . Neural arch unfused to body, age under c 3-4 years		
			▶ Poor calcination: Surface. Light grey		
1	Upper limb	Radius	Shaft frag	White	5558
			▶ Poor calcination: Medullary cavity. Mid grey		
2	Upper limb	Hand phalanges	Frag, proximal or intermediate	White	5559
			▶ Ageing indicator: . Bases unfused, age under 14-16		
			▶ Poor calcination: Inside bone and some on surface. Mid grey		

Osteological data report for Craighdu

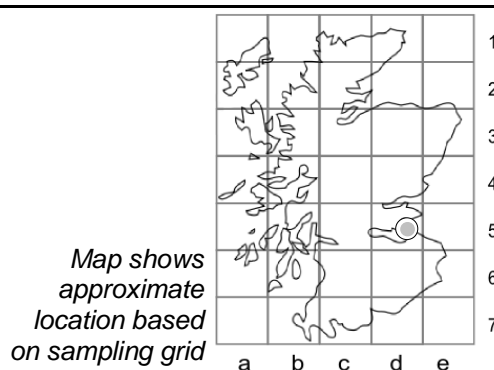
11.1 Site details for Craighdu

Classification and identification

Site type: Unknown
Canmore ref: 168415
Excavated: 1857
Deposits: 1

Location

Local authority: Fife
Easting: 312700
Northing: 680535



Minimum number of individuals (MNI)

MNI: 1
Males: Adult: 1
Females: Child/adolescent:
Infant:

Osteological data report for Craigdhu

11.2 Deposit details for 'EC 7-8'

Deposit details

Deposit ID: EC 7-8
Urn type: Vase urn
Entered: 14/07/2011 19:21:38

Radiocarbon date

Lab number:
BP date: 0 +/- 0
Cal BC*: 0 - 0

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 29g
Extraneous material: 17g
Est. inclusion 2-5mm: 0g (0%)
Total human bone: 12g
Human bone weights by sieving fraction:
>10mm: 5g
5-10mm: 6g
2-5mm: 1g

Largest cranial and post cranial fragments

30.27mm Temporal
27.28mm Femur

Identified bone fragments

Total identified bone: 7g (58%)
No. of ident. fragments: 9
Mean ident. fragment: 0.78g
Identified fragment weights by body element:
Skull: 5g
Axial: 1g
Lower limb: 1g
Upper limb: 0g

Pyre inferences

Poorly calcined fragments: 5 (56%)
Turquoise staining: 1 (11%)

Osteological data report for Craigdhu

11.2.1 Individuals in 'EC 7-8'

No. Sex Age

1 ?? Adult

Ageing indicator	Femur	Looks adult
Ageing indicator	Unspecified	Thin, might be juvenile or young adult

11.2.2 Pyre goods in 'EC 7-8'

Quantity Material Typology/classification Description

11.2.3 Inclusions in 'EC 7-8'

Weight (g) Inclusion type

11.2.4 Bone fragments in 'EC 7-8'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
4	Skull	Unspecified	Skull vault ▶ Poor calcination: Diploe. Light grey, sandwich effect ▶ Ageing indicator: . Thin, might be juvenile or young adult	White	5541
1	Skull	Temporal bone	Frag	White	5542
2	Axial	Rib fragments	Shaft frags ▶ Cremation slag: Outer surface. Brownish red, lumpy	White	5543
1	Lower limb	Femur	Shaft frag ▶ Ageing indicator: . Looks adult	White	5544
1	Skull	Parietal	Skull vault ▶ Poor calcination: Diploe. Light grey, sandwich effect ▶ Specks: Both endo- and ectocranial. Pale green/turquoise	White	5545

Osteological data report for Craigentiny

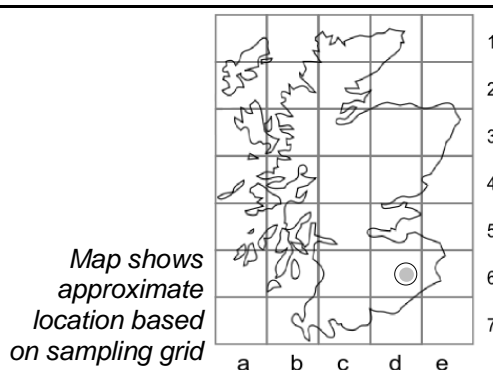
12.1 Site details for Craigentiny

Classification and identification

Site type: Single
Canmore ref: 52118
Excavated: 1937
Deposits: 1

Location

Local authority: Edinburgh, City of
Easting: 329202
Northing: 674684



Minimum number of individuals (MNI)

MNI: 3
Males: Adult: 1
Females: Child/adolescent: 1
Infant: 1

Osteological data report for Craigentenny

12.2 Deposit details for 'EQ 442'

Deposit details

Deposit ID: EQ 442
Urn type: Collared urn
Entered: 24/11/2010 16:40:21

Radiocarbon date

Lab number:
BP date: +/-
Cal BC*: -

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 3
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant: 1
Child/adolescent: 1
Adult: 1

Composition of deposit by weight

Total initial weight: 877g
Extraneous material: 92g
Est. inclusion 2-5mm: 35g (30%)
Total human bone: 750g
Human bone weights by sieving fraction:
>10mm: 439g
5-10mm: 229g
2-5mm: 117g

Largest cranial and post cranial fragments

53.84mm Occipital
24.11mm Humerus

Identified bone fragments

Total identified bone: 235g (31%)
No. of ident. fragments: 189
Mean ident. fragment: 1.24g
Identified fragment weights by body element:
Skull: 190g
Axial: 11g
Lower limb: 9g
Upper limb: 25g

Pyre inferences

Poorly calcined fragments: 78 (41%)
Turquoise staining: 21 (11%)

Osteological data report for Craigentenny

12.2.1 Individuals in 'EQ 442'

No.	Sex	Age	
1	??	Foetal/infant	Perinatal longbones were found, could not be id'ed
	Ageing indicator	Hand phalanges	V small, unfused, infant?
	Ageing indicator	Dentition	Mand 2nd dec incisor unerupted, age c. 5-8 m
	Ageing indicator	Dentition	Mand 1st dec incisor unerupted, age c. 4-6.5 m
	Ageing indicator	Dentition	Unerupted deciduous crowns suggests infant
2	??	Adult	Pathology suggests older adult.
	Ageing indicator	Ilium	Iliac crest fused, age over 17-23
	Ageing indicator	Dentition	Mand 3rd molar erupted, age over 18-21
	Ageing indicator	Dentition	Max 3rd molar erupted, age over 18-21
	Duplicate	Temporal bone	Larger than the other
	Pathology	Scapula	Glenoid pitted, marginal lipping, suggests old
	Pathology	Thoracic vertebra	Marginal lipping, seems extensive
	Sexing indicator	Frontal bone	Supraorbital margin scores 3, ?sex
	Sexing indicator	Occipital	Thickness at cruciform eminence 13.35
3	??	Child/adolescent	Older than perinate, less than 3-4.
	Ageing indicator	Vertebrae	Neural arches not fused to centre, age under 3-4
	Ageing indicator	Unspecified	V thin, small, childlike
	Ageing indicator	Mandible	Small and childlike
	Ageing indicator	Mandible	Small, childlike
	Ageing indicator	Occipital	Size suggests young child/infant
	Ageing indicator	Temporal bone	Small, childlike
	Ageing indicator	Frontal bone	Thin, childlike
	Ageing indicator	Unspecified	Thin, childlike
	Ageing indicator	Unspecified	Thin, childlike
	Ageing indicator	Unspecified	Small, childlike

12.2.2 Pyre goods in 'EQ 442'

Quantity Material Typology/classification Description

12.2.3 Inclusions in 'EQ 442'

Weight (g) Inclusion type

12.2.4 Bone fragments in 'EQ 442'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
25	Skull	Unspecified	Skull vault	White	3920
			▶ Ageing indicator: . Small, childlike		
2	Skull	Unspecified	Skull vault	White	3921
			▶ Specks: Both endo- and ectocranial. Pale turquoise		
			▶ Ageing indicator: . Thin, childlike		

Osteological data report for Craigentenny

12.2.4 Bone fragments in 'EQ 442'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
6	Skull	Unspecified	Skull vault ▶ Poor calcination: Diploe, also some on surface. Light to mid grey, sandwich effect ▶ Ageing indicator: . Thin, childlike	White	3922
1	Skull	Frontal bone	Frag w frontal crest ▶ Ageing indicator: . Thin, childlike	White	3923
1 R	Skull	Temporal bone	Petrous part ▶ Ageing indicator: . Small, childlike	White	3924
1	Skull	Occipital	Frag ▶ Ageing indicator: . Size suggests young child/infant	White	3925
2	Skull	Mandible	Frag, asc ramus and coronoid proces ▶ Ageing indicator: . Small, childlike	White	3926
1	Skull	Mandible	Frag of body w alveoli and mental spines ▶ Ageing indicator: . Small and childlike	White	3927
45	Skull	Unspecified	Skull vault ▶ Poor calcination: Diploe. Light to mid grey, sandwich effect	White	3928
9	Skull	Unspecified	Skull vault ▶ Specks: On both surfaces and exposed diploe. Pale turquoise ▶ Poor calcination: Diploe. Light grey, sandwich effect	White	3929
6	Skull	Unspecified	Skull vault ▶ Poor calcination: Diploe. Light to mid grey, sandwich effect ▶ Stain: Endocranial surface. Reddish brown, slip-like in places	White	3930
8	Skull	Temporal bone	Frag of mastoid process	White	3931
1 R	Skull	Temporal bone	Petrous part ▶ Duplicate: . Larger than the other	White	3932
3	Skull	Temporal bone	Frag ▶ Specks: Widespread. Pale turquoise	White	3933
3	Skull	Parietal	Skull vault	White	3934
3	Skull	Parietal	Skull vault, incl parietal striae ▶ Specks: Both endo- and ectocranial and exposed diploe. Pale turquoise ▶ Stain: Endocranial. Reddish brown, slip-like in places	White	3935
4	Skull	Occipital	Skull vault, incl cruciform eminence ▶ Poor calcination: Diploe. Light grey, sandwich effect ▶ Sexing indicator: . Thickness at cruciform eminence 13.35	White	3936
2	Skull	Frontal bone	Skull vault, incl frontal crest	White	3937
1	Skull	Mandible	Frag of body w alveoli	White	3938
1 L	Skull	Mandible	Frag of asc ramus w condyle	White	3939
1 R	Skull	Mandible	Frag of condyle	White	3940
1	Skull	Maxilla	Frag of alveolar process w alveoli ▶ Poor calcination: Inside bone. Light grey	White	3941
1	Skull	Mandible	Frag of body	White	3942

Osteological data report for Craigentenny

12.2.4 Bone fragments in 'EQ 442'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
			▶ Poor calcination: Inside bone. Light grey, sandwich effect		
1	R Skull	Frontal bone	Frag w supraorbital margin	White	3943
			▶ Sexing indicator: . Supraorbital margin scores 3, ?sex		
			▶ Specks: Ectocranial surface. Pale turquoise		
			▶ Stain: Endocranial surface. Reddish brown, slip-like in places		
3	Skull	Unspecified	Facial skeleton	White	3944
			▶ Ageing indicator: . V thin, small, childlike		
3	Skull	Dentition	Small frags of unerupted dec. Crowns		3945
			▶ Ageing indicator: . Unerupted deciduous crowns suggests infant		
1	Skull	Dentition	Frag of root		3946
1	Skull	Dentition	Unerupted crown, mand 1st dec incisor		3947
			▶ Ageing indicator: . Mand 1st dec incisor unerupted, age c. 4-6.5 m		
1	Skull	Dentition	Unerupted crown, mand 2nd dec incisor		3948
			▶ Ageing indicator: . Mand 2nd dec incisor unerupted, age c. 5-8 m		
1	Skull	Dentition	Frag, max 3rd molar		3949
			▶ Ageing indicator: . Max 3rd molar erupted, age over 18-21		
1	Skull	Dentition	Frag, mand 3rd molar		3950
			▶ Ageing indicator: . Mand 3rd molar erupted, age over 18-21		
1	Skull	Dentition	Frag, mand 2nd or 3rd molar		3951
1	Skull	Dentition	Mand perm canine		3952
1	Skull	Dentition	Max 2nd perm incisor		3953
1	Skull	Dentition	Mand 2nd premolar		3954
12	Axial	Rib fragments	Shaft frags	White	3955
3	Upper limb	Radius	Shaft frags	White	3956
			▶ Poor calcination: Inside bone. Light grey		
1	Axial	Cervical vertebra	Frag of neural arch	White	3957
			▶ Specks: Sup art facet. Pale turquoise		
1	Axial	Atlas vertebra	Frag	White	3958
1	Axial	Thoracic vertebra	Frag of body	White	3959
			▶ Pathology: . Marginal lipping, seems extensive		
1	Axial	Thoracic vertebra	Sup art facet	White	3960
			▶ Specks: Inferior side of sup art facet. Pale green/turquoise		
1	Axial	Thoracic vertebra	Sup art facet	White	3961
1	Axial	Lumbar vertebra	Small frag of body	White	3962
2	Axial	Vertebrae	Frag of unfused neural arches	White	3963
			▶ Ageing indicator: . Neural arches not fused to centre, age under 3-4		
1	Upper limb	Clavicle	Shaft frag	White	3964
1	Upper limb	Scapula	Frag	White	3965
1	L Upper limb	Scapula	Frag w glenoid	White	3966
			▶ Pathology: . Glenoid pitted, marginal lipping, suggests old		
			▶ Specks: On glenoid. Pale green		

Osteological data report for Craightinny

12.2.4 Bone fragments in 'EQ 442'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Upper limb	Ulna	Shaft frag	White	3967
1	Upper limb	Humerus	Frag of head	White	3968
		▶ Poor calcination: . On surface			
2	Upper limb	Humerus	Shaft frags	White	3969
1	Upper limb	Humerus	Frag of distal end, trochlea	White	3970
1	Upper limb	Metacarpal	Frag	White	3971
2	Upper limb	Hand phalanges	Frag, proximal/intermediate	White	3972
1	Upper limb	Hand phalanges	Frag, distal	White	3973
5	Upper limb	Hand phalanges	Frag	White	3974
		▶ Ageing indicator: . V small, unfused, infant?			
1	Lower limb	Ilium	Frag, iliac crest	White	3975
		▶ Ageing indicator: . Iliac crest fused, age over 17-23			
1	Lower limb	Femur	Frag of distal end, condyle	White	3976
		▶ Poor calcination: Inside spongy bone. Light grey			
1	Lower limb	Tibia	Shaft frag	White	3977
		▶ Poor calcination: Medullary cavity. Light grey			
		▶ Specks: Surface. Pale turquoise			
1	R Lower limb	Navicular	Frag	White	3978
1	Lower limb	Metatarsal bone	Frag of 1st	White	3979

Osteological data report for Culbin Sands

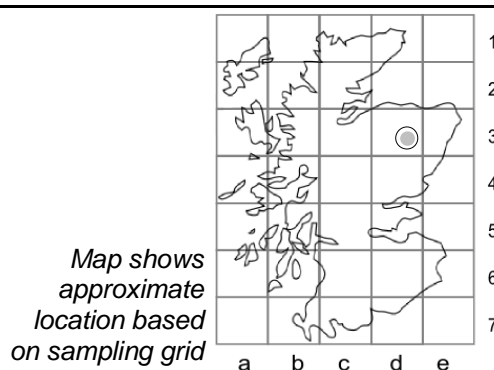
13.1 Site details for Culbin Sands

Classification and identification

Site type: Flat cemetery
Canmore ref: 15929
Excavated: 1888
Deposits: 2

Location

Local authority: Moray
Easting: 300002
Northing: 863992



Minimum number of individuals (MNI)

MNI: 3
Males: Adult: 3
Females: Child/adolescent:
Infant:

Osteological data report for Culbin Sands

13.2 Deposit details for 'Unregistered'

Deposit details

Deposit ID: Unregistered
Urn type: Uncertain
Entered: 27/10/2010 14:25:07

Radiocarbon date

Lab number:
BP date: +/-
Cal BC*: -

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 2
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 2

Composition of deposit by weight

Total initial weight: 1203g
Extraneous material: 89g
Est. inclusion 2-5mm: 17g (60%)
Total human bone: 1097g
Human bone weights by sieving fraction:
>10mm: 662g
5-10mm: 423g
2-5mm: 29g

Largest cranial and post cranial fragments

50.06mm Parietal
77.97mm Femur

Identified bone fragments

Total identified bone: 411g (37%)
No. of ident. fragments: 259
Mean ident. fragment: 1.59g
Identified fragment weights by body element:
Skull: 179g
Axial: 21g
Lower limb: 141g
Upper limb: 70g

Pyre inferences

Poorly calcined fragments: 145 (56%)
Turquoise staining: 126 (49%)

Osteological data report for Culbin Sands

13.2.1 Individuals in 'Unregistered'

No.	Sex	Age		
1	??	Adult	Age over mid-twenties.	None identified.
	Ageing indicator	Thoracic vertebra	Annular ring fused, age over mid-twenties	
	Ageing indicator	Cervical vertebra	Annular ring fused, age over mid-twenties	
	Ageing indicator	Dentition	Max 1st premolar fully formed, age over 15	
	Ageing indicator	Parietal	Sag suture closing internally	
	Ageing indicator	Occipital	Lambd suture open	
	Sexing indicator	Femur	Very robust, strong muscle attachments, ?male	
	Sexing indicator	Humerus	Robust, strong muscle attachments, ?male	
	Sexing indicator	Frontal bone	Scores 3, ?sex	
2	??	Adult		
	Duplicate	Temporal bone	Fragments may represent three mastoid processes?	

13.2.2 Pyre goods in 'Unregistered'

Quantity	Material	Typology/classification	Description
1	Animal bone		Longbone frag, 2 g, poss cutmarks

13.2.3 Inclusions in 'Unregistered'

Weight (g)	Inclusion type
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13.2.4 Bone fragments in 'Unregistered'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
1E	Skull	Unspecified	Skull vault	White	2576
			► Specks: on 4 frags, both tables. Turquoise		
			► Poor calcination: On both tables of several, also sandwich pattern. Dark grey		
3	Skull	Occipital	Skull vault	White	2577
			► Ageing indicator: . Lambd suture open		
12	Skull	Parietal	Skull vault	White	2578
			► Ageing indicator: . Sag suture closing internally		
1	Skull	Parietal	Skull vault, w parietal striae	White	2579
			► Specks: Ectocranially. Pale turquoise		
2	Skull	Parietal	Skull vault	White	2580
			► Poor calcination: . Pale grey, sandwich effect		
1	Skull	Parietal	Skull vault	White	2581
			► Other: Endocranially. Traces of glue?		
4	Skull	Mandible	Frag of body, w alveoli	White	2582
			► Specks: By alveoli. One frag has pale turquoise specks		
1	Skull	Mandible	Frag w mental spines	White	2583
3	Skull	Mandible	Frag of ramus	White	2584
4	Skull	Temporal bone	Frag of mastoid process	White	2585

Osteological data report for Culbin Sands

13.2.4 Bone fragments in 'Unregistered'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
			▶ Duplicate: . Fragments may represent three mastoid processes?		
6	Skull	Temporal bone	Frag	White	2586
1	Skull	Frontal bone	Frag of supraorbital margin	White	2587
			▶ Sexing indicator: . Scores 3, ?sex		
1	R Skull	Temporal bone	Zygomatic process	White	2588
			▶ Poor calcination: Posterior, where it becomes the suprameatal crest. Dark grey, small area		
1	L Skull	Zygomatic	Frontal process	White	2589
1	Skull	Dentition	Frag of molar		2590
1	Skull	Dentition	Frag of root of max 1st premolar		2591
			▶ Ageing indicator: . Max 1st premolar fully formed, age over 15		
23	Axial	Rib fragments	Shaft frags	White	2592
			▶ Poor calcination: On 5 frags. Sandwich effect		
3	Axial	Cervical vertebra	Fragmentary bodies	White	2593
			▶ Ageing indicator: . Annular ring fused, age over mid-twenties		
2	Axial	Thoracic vertebra	Fragmentary bodies	White	2594
			▶ Specks: Posterior surface of body, along annular ring. Bright turquoise		
			▶ Ageing indicator: . Annular ring fused, age over mid-twenties		
2	Axial	Sacrum	Frag of alae	White	2595
1	Axial	Sacrum	Frag of body, S3?	White	2596
1	Axial	Atlas vertebra	Frag of sup art facet	White	2597
1	Axial	Thoracic vertebra	Frag of sup art facet	White	2598
1	Axial	Thoracic vertebra	Frag of spinous process	White	2599
3	Axial	Lumbar vertebra	Frag of inf art facets	White	2600
1	L Upper limb	Scapula	Frag of glenoid cavity	White	2601
1	Upper limb	Scapula	Frag of glenoid	White	2602
5	Upper limb	Humerus	Frag of shaft	White	2603
			▶ Sexing indicator: . Robust, strong muscle attachments, ?male		
			▶ Other: Outer surface. Traces of glue on one frag		
1	Upper limb	Humerus	Frag of head	White	2604
1	Upper limb	Radius	Frag of head	White	2605
1	Upper limb	Radius	Shaft frags	White	2606
			▶ Stain: Along shaft of 1 frag. Pale turquoise		
1	L Upper limb	Ulna	Frag of distal end w styloid process	White	2607
			▶ Poor calcination: Distalmost shaft, before end. light grey, sandwich effect		
4	Upper limb	Ulna	Shaft frags	White	2608
9	Upper limb	Hand phalanges	Complete or frags, proximal or intermediate	White	2609
1	Upper limb	Hand phalanges	Frag, distal	White	2610
1	Upper limb	Hamate	Frag	White	2611
6	Lower limb	Ilium	Frag	White	2612
23	Lower limb	Femur	Shaft frags	White	2613

Osteological data report for Culbin Sands

13.2.4 Bone fragments in 'Unregistered'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Sexing indicator: . Very robust, strong muscle attachments, ?male		
2	Lower limb	Patella	Frag	White	2614
1	Lower limb	Femur	Frag of condyle	White	2615
3	Lower limb	Fibula	Shaft frags	White	2616
1	Lower limb	Cuboid	Frag	White	2617

Osteological data report for Culbin Sands

13.2 Deposit details for 'EA 122'

Deposit details

Deposit ID: EA 122
Urn type: Cordoned urn
Entered: 17/06/2011 18:31:35

Radiocarbon date

Lab number:
BP date: +/-
Cal BC*: -

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 193g
Extraneous material: 17g
Est. inclusion 2-5mm: 4g (40%)
Total human bone: 172g
Human bone weights by sieving fraction:
>10mm: 71g
5-10mm: 96g
2-5mm: 9g

Largest cranial and post cranial fragments

43.68mm Mandible
16.46mm Rib

Identified bone fragments

Total identified bone: 57g (33%)
No. of ident. fragments: 59
Mean ident. fragment: 0.97g
Identified fragment weights by body element:
Skull: 48g
Axial: 1g
Lower limb: 7g
Upper limb: 1g

Pyre inferences

Poorly calcined fragments: 6 (10%)
Turquoise staining: 1 (2%)

Osteological data report for Culbin Sands

13.4.1 Individuals in 'EA 122'

No.	Sex	Age		
1	??	Adult	Much animal bone.	None identified.
	Ageing indicator	Mandible	Mand 3rd molar appears to be present, age over 18	
	Ageing indicator	Parietal	Sag suture obliterated internally	
	Sexing indicator	Frontal bone	Supraorbital margin scores 3, ?sex	

13.4.2 Pyre goods in 'EA 122'

Quantity	Material	Typology/classification	Description
1	Animal bone		8 frags of largish animal longbone and skull,

13.4.3 Inclusions in 'EA 122'

Weight (g) Inclusion type

7	Pottery
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13.4.4 Bone fragments in 'EA 122'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
29	Skull	Unspecified	Skull vault	White	3406
1	Skull	Unspecified	Skull vault	White	3407
			▶ Poor calcination: Diploe. Light grey, sandwich effect		
3	Skull	Parietal	Skull vault	White	3408
			▶ Ageing indicator: . Sag suture obliterated internally		
			▶ Poor calcination: Diploe, also some on endocranial surface. Light to mid grey, sandwich effect		
2	Skull	Parietal	Skull vault	White	3409
4	Skull	Mandible	Frag of body	White	3410
1	L Skull	Mandible	Frag of body w alveoli	White	3411
			▶ Ageing indicator: . Mand 3rd molar appears to be present, age over 18		
			▶ Poor calcination: Inner surface of cortical bone. Light grey, sandwich effect		
			▶ Specks: Widespread on outer surface of bone. Pale turquoise		
3	Skull	Temporal bone	Frag	White	3412
1	Skull	Frontal bone	Frag w frontal crest	White	3413
			▶ Poor calcination: Endocranially. Light grey		
1	L Skull	Frontal bone	Frag of supraorbital margin	White	3414
			▶ Sexing indicator: . Supraorbital margin scores 3, ?sex		
8	Axial	Rib fragments	Shaft frags	White	3415
1	Axial	Thoracic vertebra	Sup art facet	White	3416
1	Upper limb	Hand phalanges	Frag, proximal or intermediate	White	3417
1	Lower limb	Metatarsal bone	Frag	White	3418
3	Lower limb	Femur	Shaft frags	White	3419

Osteological data report for Denbeath

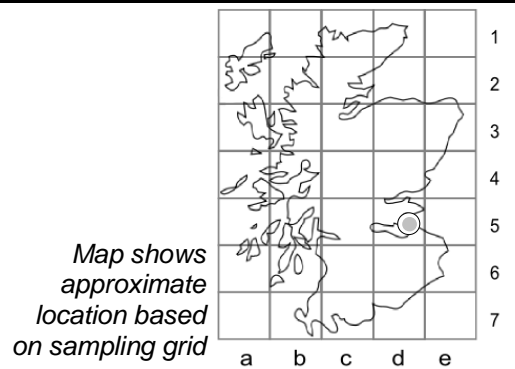
14.1 Site details for Denbeath

Classification and identification

Site type:	Flat cemetery
Canmore ref:	53941
Excavated:	1906
Deposits:	1

Location

Local authority:	Fife
Easting:	336114
Northing:	698982



Minimum number of individuals (MNI)

MNI:	1		
Males:	1	Adult:	1
Females:		Child/adolescent:	
		Infant:	

Osteological data report for Denbeath

14.2 Deposit details for 'EQ 590'

Deposit details

Deposit ID: EQ 590
Urn type: Vase urn
Entered: 09/06/2011 19:20:48

Radiocarbon date

Lab number: GrA-23989
BP date: 3640 +/- 40
Cal BC*: 1880 - 2140

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male: 1
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 400g
Extraneous material: 11g
Est. inclusion 2-5mm: 5g (10%)
Total human bone: 384g
Human bone weights by sieving fraction:
>10mm: 139g
5-10mm: 196g
2-5mm: 54g

Largest cranial and post cranial fragments

49.29mm Occipital
41.32mm Femur

Identified bone fragments

Total identified bone: 115g (30%)
No. of ident. fragments: 102
Mean ident. fragment: 1.13g
Identified fragment weights by body element:
Skull: 105g
Axial: 1g
Lower limb: 5g
Upper limb: 4g

Pyre inferences

Poorly calcined fragments: (%)
Turquoise staining: 1 (1%)

Osteological data report for Denbeath

14.2.1 Individuals in 'EQ 590'

No. Sex Age

1	?M	Adult		
	Sexing indicator	Frontal bone	Supraorbital margin flaked, but scores 4-5, ?male	
	Sexing indicator	Occipital	V robust, ?male	
	Sexing indicator	Parietal	V thick and robust, ?male	

14.2.2 Pyre goods in 'EQ 590'

Quantity Material Typology/classification Description

14.2.3 Inclusions in 'EQ 590'

Weight (g) Inclusion type

4	Pottery
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14.2.4 Bone fragments in 'EQ 590'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
84	Skull	Unspecified	Skull vault	White	3520
1	Skull	Unspecified	Skull vault	White	3521
			► Specks: Diploe. Pale turquoise		
5	Skull	Temporal bone	Frag	White	3522
2	Skull	Parietal	Skull vault	White	3523
			► Sexing indicator: . V thick and robust, ?male		
1	Skull	Occipital	Frag w internal occ crest and border of for magnum	White	3524
			► Sexing indicator: . V robust, ?male		
1	L Skull	Frontal bone	Supraorbital margin	White	3525
			► Sexing indicator: . Supraorbital margin flaked, but scores 4-5, ?male		
1	Skull	Dentition	Mand 2nd perm incisor, frag		3526
1	Skull	Dentition	Max 2nd premolar, frag		3527
1	Skull	Dentition	Mand 2nd premolar, frag		3528
3	Axial	Rib fragments	Shaft frags	White	3529
1	Upper limb	Humerus	Shaft frag	White	3530
1	Lower limb	Femur	Shaft frag	White	3531

Osteological data report for Drumshargard

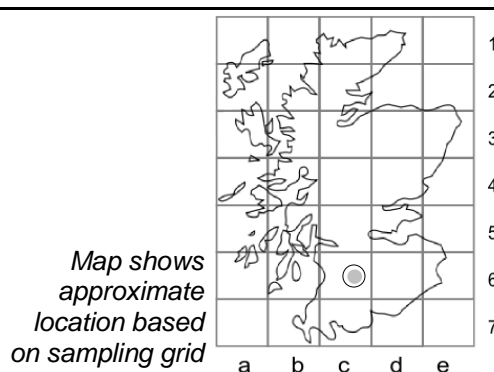
15.1 Site details for Drumshargard

Classification and identification

Site type: Flat cemetery
Canmore ref: 44888
Excavated:
Deposits: 1

Location

Local authority: South Lanarkshire
Easting: 266019
Northing: 659019



Minimum number of individuals (MNI)

MNI: 1
Males: Adult: 1
Females: Child/adolescent:
Infant:

Osteological data report for Drumshargard

15.2 Deposit details for 'EA 1'

Deposit details

Deposit ID: EA 1
Urn type: Collared Urn
Entered: 03/06/2011 09:16:18

Radiocarbon date

Lab number:
BP date: +/-
Cal BC*: -

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 562g
Extraneous material: 69g
Est. inclusion 2-5mm: 0g (0%)
Total human bone: 493g
Human bone weights by sieving fraction:
>10mm: 460g
5-10mm: 18g
2-5mm: 15g

Largest cranial and post cranial fragments

52.69mm Unspecified
47.51mm Femur

Identified bone fragments

Total identified bone: 211g (43%)
No. of ident. fragments: 143
Mean ident. fragment: 1.48g
Identified fragment weights by body element:
Skull: 110g
Axial: 7g
Lower limb: 44g
Upper limb: 50g

Pyre inferences

Poorly calcined fragments: 106 (74%)
Turquoise staining: 30 (21%)

Osteological data report for Drumshargard

15.2.1 Individuals in 'EA 1'

No. Sex Age

1 ?? Adult

Ageing indicator Parietal Sag suture almost completely obliterated

15.2.2 Pyre goods in 'EA 1'

Quantity Material Typology/classification Description

15.2.3 Inclusions in 'EA 1'

Weight (g) Inclusion type

12 Pottery

15.2.4 Bone fragments in 'EA 1'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
49	Skull	Unspecified	Skull vault ▶ Poor calcination: Diploe, also some on surfaces. Light to mid grey, sandwich effect	White	3466
1	Skull	Vomer	Frag	White	3467
4	Skull	Unspecified	Skull vault ▶ Poor calcination: Diploe. Light grey, sandwich effect ▶ Stain: Endocranial surface. Orange	White	3468
11	Skull	Unspecified	Skull vault ▶ Poor calcination: Diploe. Light to mid grey, sandwich effect ▶ Specks: Both surfaces and diploe, where it is exposed. Pale to bright turquoise	White	3469
1	Skull	Parietal	Skull vault ▶ Ageing indicator: . Sag suture almost completely obliterated ▶ Poor calcination: Diploe. Mid grey, sandwich effect	White	3470
2	Skull	Mandible	Frag of body w alveoli	White	3471
1	Skull	Mandible	Frag w mental spines	White	3472
1	L Skull	Maxilla	Frag of alveolar process w alveoli ▶ Specks: Alveolar process, on the palate. Pale turquoise	White	3473
1	L Skull	Temporal bone	Mastoid process ▶ Poor calcination: Inside mastoid process. Mid grey ▶ Specks: Laterally. Pale turquoise	White	3474
1	R Skull	Temporal bone	Petrous part ▶ Specks: Widespread. Pale turquoise	White	3475
8	Skull	Temporal bone	Frag ▶ Poor calcination: Inside the bone. Mid grey ▶ Specks: Widespread. Pale turquoise	White	3476
1	R Skull	Zygomatic	Frontal process ▶ Poor calcination: Endocranially. Light grey	White	3477
1	Skull	Maxilla	Sinus	White	3478
1	Skull	Dentition	Max 2nd perm incisor		3479

Osteological data report for Drumshargard

15.2.4 Bone fragments in 'EA 1'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Skull	Dentition	Max 1st perm molar		3480
12	Axial	Rib fragments	Shaft frags	White	3481
1	Axial	Sacrum	Frag of body, one of the smaller	White	3482
1	Axial	Thoracic vertebra	Frag of sup art facet	White	3483
1	Upper limb	Scapula	Frag, acromion	White	3484
			▶ Poor calcination: Inside spongy bone, limited. Light grey		
3	Upper limb	Clavicle	Frag of shaft	White	3485
			▶ Poor calcination: Some inside spongy bone. Light grey		
2	Upper limb	Humerus	Shaft frags	White	3486
			▶ Poor calcination: Inside bone, also in medullary cavity. Mid grey, sandwich effect		
1	Upper limb	Humerus	Shaft frag	White	3487
			▶ Poor calcination: Inside bone and in medullary cavity. Mid grey, sandwich effect		
			▶ Specks: In one of the breaks. Pale turquoise		
1	Upper limb	Humerus	Frag of distal end, olecranon fossa	White	3488
			▶ Poor calcination: Inside spongy bone. Mid grey		
3	Upper limb	Radius	Shaft frags	White	3489
			▶ Specks: Widespread. Pale turquoise		
1	Upper limb	Ulna	Shaft frag	White	3490
1	Upper limb	Ulna	Proximal end, olecranon process	White	3491
			▶ Poor calcination: In spongy bone, also some on surface. Mid grey		
			▶ Specks: Only one speck, on side of olecranon. Bright turquoise		
1 R	Upper limb	Scaphoid	Frag	White	3492
			▶ Specks: Medially. Pale turquoise		
1	Upper limb	Metacarpal	Frag	White	3493
			▶ Specks: Near base. Pale turquoise		
9	Upper limb	Hand phalanges	Frag of proximal/intermediate	White	3494
			▶ Poor calcination: Mostly inside, also some on surface. Light to mid grey		
1	Upper limb	Hand phalanges	Frag of distal	White	3495
			▶ Poor calcination: Surface. Light grey		
1	Skull	Mandible	Coronoid process	White	3496
1	Lower limb	Ischium	Frag of ischial tuberosity	White	3497
			▶ Poor calcination: Inside spongy bone. Light grey		
1	Lower limb	Ilium	Frag	White	3498
			▶ Specks: Surface, only one speck. Pale turquoise		
1	Lower limb	Femur	Frag of neck	White	3499
3	Lower limb	Femur	Shaft frags	White	3500
3	Lower limb	Femur	Shaft frags	White	3501
			▶ Poor calcination: Medullary cavity. Light grey		
5	Lower limb	Femur	Frag of distal end, condyles	White	3502
			▶ Poor calcination: Inside spongy bone. Light grey		
1	Lower limb	Tibia	Frag of proximal end, epicondyles	White	3503

Osteological data report for Drumshargard

15.2.4 Bone fragments in 'EA 1'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Poor calcination: Inside spongy bone. Light grey		
2	Lower limb	Metatarsal bone	Frag	White	3504
2	Lower limb	Metatarsal bone	Frag	White	3505
			▶ Poor calcination: Inside bone. Light to mid grey		

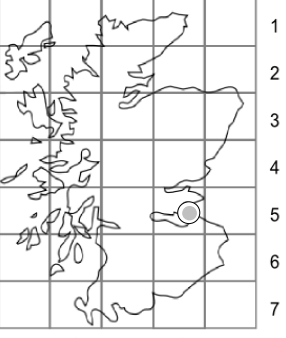
Osteological data report for Drymmie Wood

16.1 Site details for Drymmie Wood

Classification and identification

Site type: Flat cemetery
Canmore ref: 31219
Excavated: 1879
Deposits: 3

Location

Local authority: Fife	
Easting: 332001	
Northing: 705023	

Map shows approximate location based on sampling grid

Minimum number of individuals (MNI)

MNI: 3	
Males: 1	Adult: 3
Females:	Child/adolescent:
	Infant:

Osteological data report for Drymmie Wood

16.2 Deposit details for 'EA 31-32/34-36 (no.2)'

Deposit details

Deposit ID: EA 31-32/34-36 (no.2)

Urn type: Collared urn

Entered: 11/07/2011 14:43:27

Radiocarbon date

Lab number:

BP date: 0 +/- 0

Cal BC*: 0 - 0

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1

Individuals by sex:

Male:

Female:

Individuals by age category:

Foetal/infant:

Child/adolescent:

Adult: 1

Composition of deposit by weight

Total initial weight: 163g

Extraneous material: 16g

Est. inclusion 2-5mm: 0g (0%)

Total human bone: 147g

Human bone weights by sieving fraction:

>10mm: 120g

5-10mm: 26g

2-5mm: 1g

Largest cranial and post cranial fragments

50.95mm Occipital

50.89mm Humerus

Identified bone fragments

Total identified bone: 71g (48%)

No. of ident. fragments: 37

Mean ident. fragment: 1.92g

Identified fragment weights by body element:

Skull: 46g

Axial: 1g

Lower limb: 13g

Upper limb: 11g

Pyre inferences

Poorly calcined fragments: 1 (3%)

Turquoise staining: (%)

Osteological data report for Drymmie Wood

16.2.1 Individuals in 'EA 31-32/34-36 (no.2)'

No. Sex Age

1	??	Adult	Bones have adult size
	Ageing indicator	Unspecified	Thickness suggests adult age

16.2.2 Pyre goods in 'EA 31-32/34-36 (no.2)'

Quantity Material Typology/classification Description

16.2.3 Inclusions in 'EA 31-32/34-36 (no.2)'

Weight (g) Inclusion type

16.2.4 Bone fragments in 'EA 31-32/34-36 (no.2)'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
11	Skull	Unspecified	Skull vault ► Ageing indicator: . Thickness suggests adult age	White	5426
1	Skull	Parietal	Skull vault ► Poor calcination: Endocranial surface. Mid grey/blue	White	5427
3	Skull	Temporal bone	Squama	White	5428
4	Skull	Temporal bone	Frag	White	5429
1	R Skull	Temporal bone	Petrous part, frag	White	5430
1	Skull	Occipital	Frag w occipital sulcus	White	5431
3	Skull	Occipital	Frag transverse sulcus	White	5432
1	Skull	Mandible	Frag of body w alveoli	White	5433
1	Axial	Rib fragments	Shaft frag	White	5434
1	Upper limb	Scapula	Frag	White	5435
2	Upper limb	Humerus	Shaft frags	White	5436
1	Upper limb	Ulna	Shaft frag	White	5437
1	Upper limb	Radius	Shaft frag	White	5438
1	Lower limb	Ilium	Frag	White	5439
2	Lower limb	Femur	Shaft frags	White	5440
1	Lower limb	Talus	Frag of trochlea	White	5441
2	Lower limb	Calcaneus	Frag, sustentaculum tali and other articulation	White	5442

Osteological data report for Drymmie Wood

16.2 Deposit details for 'EA 31-32/34-36 (large box)'

Deposit details

Deposit ID: EA 31-32/34-36 (large box)

Urn type: Uncertain

Entered: 11/07/2011 14:43:47

Radiocarbon date

Lab number:

BP date: 0 +/- 0

Cal BC*: 0 - 0

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1

Individuals by sex:

Male:

Female:

Individuals by age category:

Foetal/infant:

Child/adolescent:

Adult: 1

Composition of deposit by weight

Total initial weight: 406g

Extraneous material: 15g

Est. inclusion 2-5mm: 1g (50%)

Total human bone: 390g

Human bone weights by sieving fraction:

>10mm: 329g

5-10mm: 60g

2-5mm: 2g

Largest cranial and post cranial fragments

44.09mm Unspecified

84.84mm Radius

Identified bone fragments

Total identified bone: 205g (53%)

No. of ident. fragments: 70

Mean ident. fragment: 2.93g

Identified fragment weights by body element:

Skull: 71g

Axial: 33g

Lower limb: 71g

Upper limb: 30g

Pyre inferences

Poorly calcined fragments: 5 (7%)

Turquoise staining: 2 (3%)

Osteological data report for Drymmie Wood

16.4.1 Individuals in 'EA 31-32/34-36 (large box)'

No. Sex Age

1 ?? Adult

Ageing indicator	Ilium	Iliac crest fully fused, age over 17-23
Ageing indicator	Lumbar vertebra	Annular rings fused, age over mid 20s
Ageing indicator	Thoracic vertebra	Annular rings fused, adult but not old, mid 20s
Ageing indicator	Parietal	Sag suture obliterated internally

16.4.2 Pyre goods in 'EA 31-32/34-36 (large box)'

Quantity Material Typology/classification Description

16.4.3 Inclusions in 'EA 31-32/34-36 (large box)'

Weight (g) Inclusion type

2 Pottery

16.4.4 Bone fragments in 'EA 31-32/34-36 (large box)'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
15	Skull	Unspecified	Skull vault	White	5402
3	Skull	Unspecified	Skull vault	White	5403
			► Poor calcination: Diploe, also some on endocranial surface. Light grey, sandwich effect		
2	Skull	Unspecified	Skull vault	White	5404
			► Specks: Endocranial surface. Pale turquoise		
6	Skull	Parietal	Skull vault	White	5405
			► Ageing indicator: . Sag suture obliterated internally		
1	Skull	Temporal bone	Frag	White	5406
1	L Skull	Temporal bone	Petrous part	White	5407
2	Skull	Occipital	Frag w transverse sulcus	White	5408
2	Skull	Frontal bone	Adjoining frags w frontal crest	White	5409
2	Axial	Rib fragments	Shaft frags	White	5410
8	Axial	Thoracic vertebra	Frag of bodies	White	5411
			► Ageing indicator: . Annular rings fused, adult but not old, mid 20s		
1	Axial	Lumbar vertebra	Frag of body	White	5412
			► Ageing indicator: . Annular rings fused, age over mid 20s		
1	Axial	Cervical vertebra	Frag of body	White	5413
2	Upper limb	Scapula	Frag	White	5414
1	Upper limb	Humerus	Shaft frag	White	5415
2	Upper limb	Ulna	Shaft frags	White	5416
2	Upper limb	Radius	Shaft frags	White	5417
3	Upper limb	Metacarpal	Frag	White	5418
1	Upper limb	Ulna	Frag of olecranon process	White	5419
7	Lower limb	Ilium	Frag	White	5420
1	Lower limb	Ilium	Frag of acetabulum	White	5421

Osteological data report for Drymmie Wood

16.4.4 Bone fragments in 'EA 31-32/34-36 (large box)'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	L Lower limb	Ilium	Anterior superior iliac spine ▶ Ageing indicator: . Iliac crest fully fused, age over 17-23	White	5422
3	Lower limb	Femur	Shaft frags	White	5423
1	Lower limb	Patella	Frag	White	5424
2	Lower limb	Tibia	Shaft frags ▶ Poor calcination: Inside bone. Mid grey, sandwich effect	White	5425

Osteological data report for Drymmie Wood

16.2 Deposit details for 'EA 31-32/34-36 (small box)'

Deposit details

Deposit ID: EA 31-32/34-36 (small box)

Urn type: Uncertain

Entered: 11/07/2011 14:44:05

Radiocarbon date

Lab number:

BP date: 0 +/- 0

Cal BC*: 0 - 0

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1

Individuals by sex:

Male: 1

Female:

Individuals by age category:

Foetal/infant:

Child/adolescent:

Adult: 1

Composition of deposit by weight

Total initial weight: 101g

Extraneous material: 6g

Est. inclusion 2-5mm: 0g (0%)

Total human bone: 95g

Human bone weights by sieving fraction:

>10mm: 82g

5-10mm: 13g

2-5mm: 0g

Largest cranial and post cranial fragments

28.64mm Frontal

52.65mm Femur

Identified bone fragments

Total identified bone: 48g (51%)

No. of ident. fragments: 16

Mean ident. fragment: 3g

Identified fragment weights by body element:

Skull: 14g

Axial: 5g

Lower limb: 27g

Upper limb: 2g

Pyre inferences

Poorly calcined fragments: 8 (50%)

Turquoise staining: (%)

Osteological data report for Drymmie Wood

16.6.1 Individuals in 'EA 31-32/34-36 (small box)'

No. Sex Age

1 ?M Adult

Sexing indicator	Frontal bone	Glabella scores 4, ?male
Sexing indicator	Frontal bone	Supraorbital margin scores 4, ?male

16.6.2 Pyre goods in 'EA 31-32/34-36 (small box)'

Quantity Material Typology/classification Description

16.6.3 Inclusions in 'EA 31-32/34-36 (small box)'

Weight (g) Inclusion type

3 Charcoal

16.6.4 Bone fragments in 'EA 31-32/34-36 (small box)'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
4	Skull	Unspecified	Skull vault ▶ Poor calcination: Diploe. Light grey, sandwich effect	White	5392
1	Skull	Unspecified	Skull vault ▶ Poor calcination: Ectocranial surface. Light grey ▶ Other: Ectocranial surface. Bone is very shiny	White	5393
1	Skull	Temporal bone	Frag	White	5394
1	Skull	Mandible	Frag of body w alveoli	White	5395
1	Skull	Frontal bone	Frag w frontal crest	White	5396
1	Skull	Frontal bone	Frag w supraorbital margin ▶ Sexing indicator: . Supraorbital margin scores 4, ?male ▶ Sexing indicator: . Glabella scores 4, ?male	White	5397
2	Axial	Thoracic vertebra	Frag of bodies	White	5398
1	Upper limb	Radius	Frag w part of head	White	5399
1	Lower limb	Ilium	Frag	White	5400
3	Lower limb	Femur	Shaft frags ▶ Poor calcination: Inside bone. Light grey, sandwich effect	White	5401

Osteological data report for Dunion Hill

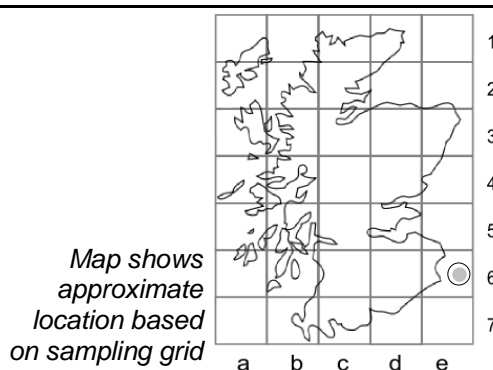
17.1 Site details for Dunion Hill

Classification and identification

Site type: Flat, single
Canmore ref: 56900
Excavated: 1885
Deposits: 1

Location

Local authority: Scottish Borders
Easting: 362002
Northing: 619001



Minimum number of individuals (MNI)

MNI: 1
Males: Adult: 1
Females: 1 Child/adolescent:
Infant:

Osteological data report for Dunion Hill

17.2 Deposit details for 'EA 236'

Deposit details

Deposit ID: EA 236
Urn type: Vase urn
Entered: 18/06/2011 13:30:01

Radiocarbon date

Lab number: GrA-24006
BP date: 3625 +/- 45
Cal BC*: 1880 - 2140

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female: 1
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 387g
Extraneous material: 126g
Est. inclusion 2-5mm: 0g (0%)
Total human bone: 261g
Human bone weights by sieving fraction:
>10mm: 149g
5-10mm: 88g
2-5mm: 24g

Largest cranial and post cranial fragments

56.23mm Mandible
64mm Humerus

Identified bone fragments

Total identified bone: 142g (54%)
No. of ident. fragments: 82
Mean ident. fragment: 1.73g
Identified fragment weights by body element:
Skull: 26g
Axial: 17g
Lower limb: 74g
Upper limb: 25g

Pyre inferences

Poorly calcined fragments: 12 (15%)
Turquoise staining: 4 (5%)

Osteological data report for Dunion Hill

17.2.1 Individuals in 'EA 236'

No.	Sex	Age	
1	?F	Adult	Schmorl's node.
	Ageing indicator	Ilium	Iliac crest fully fused, age over 17-23
	Ageing indicator	Lumbar vertebra	Annular rings fused, age over mid 20s
	Ageing indicator	Cervical vertebra	Annular rings fused, age over mid 20s
	Ageing indicator	Rib fragments	Tubercle present, age over 18-20
	Pathology	Thoracic vertebra	Schmorl's node seen on one, 7 mm diam
	Sexing indicator	Mandible	Mandible small, ?female
	Sexing indicator	Unspecified	V thin skull, ?female or juvenile
	Sexing indicator	Temporal bone	Mastoid process v small, ?f or juvenile

17.2.2 Pyre goods in 'EA 236'

Quantity	Material	Typology/classification	Description
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17.2.3 Inclusions in 'EA 236'

Weight (g)	Inclusion type
14	Pottery

17.2.4 Bone fragments in 'EA 236'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
9	Skull	Unspecified	Skull vault	White	3538
			► Sexing indicator: . V thin skull, ?female or juvenile		
12	Skull	Unspecified	Skull vault	White	3539
			► Stain: Occurs on both endo- and ectocranial surfaces. Orange		
3	Skull	Parietal	Skull vault	White	3540
1 R	Skull	Zygomatic	Frontal process	White	3541
1 L	Skull	Temporal bone	Mastoid process	White	3542
			► Sexing indicator: . Mastoid process v small, ?f or juvenile		
1	Skull	Temporal bone	Skull vault	White	3543
			► Stain: Both endo- and ectocranial surface. Orange		
5	Skull	Temporal bone	Frag	White	3544
1 R	Skull	Mandible	Frag of asc ramus w condyle	White	3545
			► Sexing indicator: . Mandible small, ?female		
10	Axial	Rib fragments	Shaft frags	White	3546
			► Ageing indicator: . Tubercle present, age over 18-20		
3	Axial	Cervical vertebra	Frag of bodies	White	3547
			► Ageing indicator: . Annular rings fused, age over mid 20s		
			► Specks: Few, but widespread. Pale green/turquoise		
1	Axial	Thoracic vertebra	Frag of bodies	White	3548
			► Pathology: . Schmorl's node seen on one, 7 mm diam		
2	Axial	Lumbar vertebra	Frag of bodies	White	3549

Osteological data report for Dunion Hill

17.2.4 Bone fragments in 'EA 236'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Ageing indicator: . Annular rings fused, age over mid 20s		
4	Axial	Sacrum	Frag of bodies and alae	White	3550
3	Upper limb	Humerus	Shaft frags	White	3551
			▶ Poor calcination: A little in medullary cavity. Light grey		
2	Upper limb	Radius	Shaft frags	White	3552
1	Lower limb	Femur	Shaft frag	White	3553
			▶ Poor calcination: Inside bone. Light to mid grey, sandwich effect		
8	Lower limb	Femur	Shaft frags	White	3554
			▶ Poor calcination: Medullary cavity, only little. Light grey		
1	Lower limb	Femur	Shaft frag	White	3555
			▶ Specks: On surface. Pale green/turquoise		
1	Upper limb	Scaphoid	Frag	White	3556
1	Upper limb	Scapula	Frag w glenoid fossa	White	3557
8	Lower limb	Ilium	Frag	White	3558
1	Lower limb	Ilium	Iliac crest	White	3560
			▶ Ageing indicator: . Iliac crest fully fused, age over 17-23		
1	Lower limb	Ischium	Frag of ischial tuberosity	White	3561
1	Lower limb	Talus	Frag	White	3562
1	Lower limb	Foot phalanges	Proximal, frag	White	3563

Osteological data report for Easter Gellybank

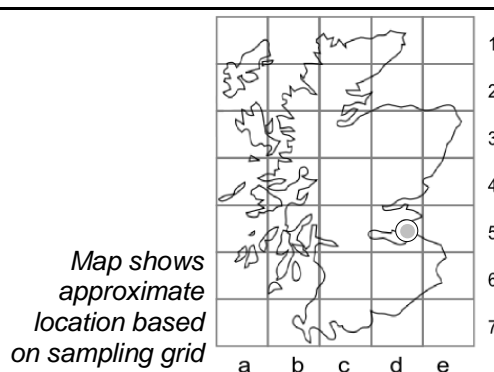
18.1 Site details for Easter Gellybank

Classification and identification

Site type: Flat, single
Canmore ref: 27886
Excavated: 1885
Deposits: 1

Location

Local authority: Perth and Kinross
Easting: 311111
Northing: 700144



Minimum number of individuals (MNI)

MNI: 2

Males:	Adult:	1
Females:	Child/adolescent:	1
	Infant:	

Osteological data report for Easter Gellybank

18.2 Deposit details for 'EA 111'

Deposit details

Deposit ID: EA 111
Urn type: Collared urn
Entered: 20/07/2011 17:59:55

Radiocarbon date

Lab number:
BP date: 0 +/- 0
Cal BC*: 0 - 0

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 2
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent: 1
Adult: 1

Composition of deposit by weight

Total initial weight: 1811g
Extraneous material: 12g
Est. inclusion 2-5mm: 2g (10%)
Total human bone: 1797g
Human bone weights by sieving fraction:
>10mm: 1148g
5-10mm: 630g
2-5mm: 21g

Largest cranial and post cranial fragments

46.24mm Occipital
69.93mm Radius

Identified bone fragments

Total identified bone: 664g (37%)
No. of ident. fragments: 501
Mean ident. fragment: 1.33g
Identified fragment weights by body element:
Skull: 259g
Axial: 51g
Lower limb: 193g
Upper limb: 161g

Pyre inferences

Poorly calcined fragments: 175 (35%)
Turquoise staining: 15 (3%)

Osteological data report for Easter Gellybank

18.2.1 Individuals in 'EA 111'

No.	Sex	Age	
1	??	Adult	Age over mid 20s.
	Ageing indicator	Scapula	Glenoid fossa fully fused, age over 15-20
	Ageing indicator	Scapula	No pitting/flattening of glenoid, youngish adult
	Ageing indicator	Thoracic vertebra	Annular rings fused, age over mid 20s
	Ageing indicator	Rib fragments	Tubercle fused, age over 17-25
	Ageing indicator	Dentition	Mand 3rd molar fully formed, age over 21
2	??	Child/adolescent	Probably early teens.
	Ageing indicator	Hand phalanges	Base of phalanx unfused, age under 14-16
	Ageing indicator	Radius	Distal epiphysis unfused, age under 14-20
	Ageing indicator	Ulna	Distal ulnar epiphysis unfused, age under 15-20
	Ageing indicator	Metacarpal	Metacarpal head unfused, age under 14-16
	Ageing indicator	Metatarsal bone	Metatarsals unfused, age under 11-16
	Ageing indicator	Hand phalanges	Base of phalanx unfused, age under 14-16
	Ageing indicator	Hand phalanges	Bases of phalanges unfused, age under 14-16
	Ageing indicator	Hand phalanges	Bases of phalanges fused, age over 13-16
	Ageing indicator	Ischium	Triradiate epiphysis unfused, age under 11-17
	Ageing indicator	Femur	Head unfused, age under 12-19
	Ageing indicator	Femur	Head unfused, age under 12-19
	Ageing indicator	Femur	Femoral head unfused, age under 12-19
	Ageing indicator	Tibia	Distal tibial epiphysis unfused, age under 14-18
	Ageing indicator	Metacarpal	Metacarpal head unfused, age under 14-16
	Duplicate	Axis vertebra	
	Duplicate	Maxilla	Does not adjoin with other
	Duplicate	Temporal bone	Smaller than other l petrous part
	Duplicate	Temporal bone	Smaller than the other r petrous part
	Duplicate	Temporal bone	
	Sexing indicator	Frontal bone	Supraorbital margin scores 1-2, ?female
	Sexing indicator	Temporal bone	Mastoid process scores 1, female

18.2.2 Pyre goods in 'EA 111'

Quantity	Material	Typology/classification	Description
2	Animal bone		Small pieces of bone, 1 g

18.2.3 Inclusions in 'EA 111'

Weight (g)	Inclusion type
20	Pottery

18.2.4 Bone fragments in 'EA 111'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
1E	Skull	Unspecified	Skull vault	White	5698
75	Skull	Unspecified	Skull vault	White	5699

Osteological data report for Easter Gellybank

18.2.4 Bone fragments in 'EA 111'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
			► Poor calcination: Diploe, also some on endo- or ectocranial surfaces. Light to mid grey, sandwich effect		
9	Skull	Unspecified	Skull vault	White	5700
			► Poor calcination: Diploe. Light grey, sandwich effect		
			► Specks: Both endo- and ectocranial surfaces. Pale turquoise		
5	Skull	Parietal	Skull vault, incl parietal striae	White	5701
			► Poor calcination: Diploe. Light grey, sandwich effect		
6	Skull	Occipital	Skull vault, incl cruciform eminence and sulci	White	5702
			► Poor calcination: Diploe, also some on endocranial surface. Light grey, sandwich effect		
1	Skull	Frontal bone	Frag w part of frontal crest	White	5703
			► Poor calcination: Diploe, also some on endocranial surface. Light grey, sandwich effect		
1	L Skull	Frontal bone	Frag of supraorbital margin	White	5704
			► Sexing indicator: . Supraorbital margin scores 1-2, ?female		
			► Poor calcination: Diploe. Mid grey, sandwich effect		
1	L Skull	Zygomatic	Frontal process	White	5705
			► Poor calcination: Inside bone. Light grey, sandwich effect		
4	Skull	Temporal bone	Frag	White	5706
			► Poor calcination: Inside bone. Light to mid grey, sandwich effect		
1	Skull	Temporal bone	Frag w part of auditory meatus	White	5707
2	Skull	Temporal bone	Small frags of mastoid process	White	5708
1	L Skull	Temporal bone	Frag of mastoid process	White	5709
			► Poor calcination: Endocranial. Mid grey		
1	R Skull	Temporal bone	Mastoid process and auditory meatus	White	5710
			► Sexing indicator: . Mastoid process scores 1, female		
			► Specks: Endocranial surface. Pale turquoise		
1	R Skull	Temporal bone	Frag of mastoid process	White	5711
			► Duplicate: .		
			► Poor calcination: Inside bone. Mid grey		
1	R Skull	Temporal bone	Petrous part	White	5712
1	R Skull	Temporal bone	Petrous part	White	5713
			► Duplicate: . Smaller than the other r petrous part		
1	L Skull	Temporal bone	Petrous part	White	5714
1	L Skull	Temporal bone	Petrous part	White	5715
			► Duplicate: . Smaller than other l petrous part		
1	R Skull	Maxilla	Frag of alveolar process	White	5716
1	R Skull	Maxilla	Frag of alveolar process	White	5717
			► Duplicate: . Does not adjoin with other		
			► Specks: On all surfaces. Pale turquoise		

Osteological data report for Easter Gellybank

18.2.4 Bone fragments in 'EA 111'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
4	Skull	Mandible	Frag of body	White	5718
3	Skull	Mandible	Frag of body w alveoli	White	5719
			▶ Poor calcination: Inside bone. Light grey		
1	L Skull	Mandible	Frag of condyle	White	5720
1	R Skull	Mandible	Frag of condyle	White	5721
3	Skull	Dentition	Small tooth root frags		5722
1	Skull	Dentition	Max 3rd molar		5723
			▶ Ageing indicator: . Mand 3rd molar fully formed, age over 21		
2	Skull	Dentition	Frag of max 1st or 2nd perm molars		5724
1	Skull	Dentition	Frag of max 2nd perm molar		5725
1	Skull	Dentition	Frag of max 1st perm molar		5726
2	Skull	Dentition	Frag of mand 1st or 2nd perm molar		5727
1	Skull	Dentition	Max 1st premolar		5728
1	Skull	Dentition	Mand perm canine		5729
1	Skull	Dentition	Frag of mand 2nd perm incisor		5730
1	Skull	Dentition	Max 2nd perm incisor		5731
1	Skull	Dentition	Max 2nd perm incisor		5732
1	Skull	Dentition	Max 2nd perm incisor		5733
1	Skull	Dentition	Max perm canine		5734
1	Skull	Dentition	Mand perm canine		5735
1	Skull	Dentition	Mand 1st premolar?, frag		5736
1	Skull	Dentition	Max 2nd premolar?, frag		5737
2	Skull	Dentition	Mand 1st premolar?, frags		5738
26	Axial	Rib fragments	Shaft frags	White	5739
7	Axial	Rib fragments	Shaft frags	White	5740
			▶ Poor calcination: Mostly inside, also on surfaces. Light to mid grey		
1	Axial	Rib fragments	Frag w tubercle	White	5741
			▶ Ageing indicator: . Tubercle fused, age over 17-25		
4	Axial	Cervical vertebra	Frag of bodies	White	5742
1	Axial	Cervical vertebra	Frag of body	White	5743
			▶ Poor calcination: Inside body. Light grey		
1	Axial	Axis vertebra	Frag	White	5744
1	Axial	Axis vertebra	Frag	White	5745
			▶ Duplicate: .		
			▶ Specks: A few on surface. Pale turquoise		
3	Axial	Cervical vertebra	Frag of neural arch	White	5746
9	Axial	Thoracic vertebra	Frag of bodies	White	5747
			▶ Ageing indicator: . Annular rings fused, age over mid 20s		
1	Axial	Thoracic vertebra	Frag of body	White	5748
			▶ Poor calcination: Throughout. Light grey		
1	Axial	Thoracic vertebra	Frag of body	White	5749
			▶ Poor calcination: C 1/2 of the frag. Mid to dark grey		

Osteological data report for Easter Gellybank

18.2.4 Bone fragments in 'EA 111'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
6	Axial	Thoracic vertebra	Frag of neural arch	White	5750
4	Upper limb	Clavicle	Shaft frags	White	5751
6	Upper limb	Scapula	Frag	White	5752
1	Upper limb	Scapula	Inferior angle	White	5753
			▶ Poor calcination: Inside bone. Light grey, sandwich effect		
1	Upper limb	Scapula	Frag	White	5754
			▶ Specks: Surface. Pale green		
1	R Upper limb	Scapula	Frag w glenoid fossa	White	5755
			▶ Ageing indicator: . No pitting/flattening of glenoid, youngish adult		
			▶ Poor calcination: Inside bone, infraglenoid tubercle. Light grey		
			▶ Ageing indicator: . Glenoid fossa fully fused, age over 15-20		
1	L Upper limb	Scapula	Frag w part of glenoid fossa	White	5756
4	Upper limb	Humerus	Shaft frags	White	5757
1	Upper limb	Humerus	Shaft frag	White	5758
			▶ Specks: Both outer surface and in medullary cavity. Pale green/turquoise		
3	Upper limb	Humerus	Shaft frags	White	5759
			▶ Poor calcination: Mostly in medullary cavity. Light to mid grey		
1	R Upper limb	Humerus	Frag of distal shaft and distal end	White	5760
			▶ Ageing indicator: . Distal humerus fully fused, age over 13-17		
			▶ Specks: One faint speck on surface, in olecranon fossa. Pale green/turquoise		
1	L Upper limb	Humerus	Frag of distal end	White	5761
1	R Upper limb	Radius	Distal shaft and head	White	5762
			▶ Ageing indicator: . Proximal radial epiphysis fused, age over 11.5-17		
			▶ Poor calcination: Distally on frag. Light grey, sandwich effect		
			▶ Specks: On surface, by radial tuberosity. Pale green		
1	Upper limb	Radius	Frag of head	White	5763
2	Upper limb	Radius	Shaft frags	White	5764
3	Upper limb	Radius	Shaft frags	White	5765
			▶ Poor calcination: Inside bone and some in medullary cavity. Light to mid grey, sandwich effect		
2	Upper limb	Radius	Shaft frags	White	5766
			▶ Specks: Bone surface. Pale green		
1	Upper limb	Radius	Distal end	White	5767
			▶ Ageing indicator: . Distal epiphysis unfused, age under 14-20		
			▶ Specks: Large stains on bone surface. Pale green		
1	Upper limb	Ulna	Proximal end	White	5768
			▶ Ageing indicator: . Proximal ulna fused, age over 14-16		
			▶ Poor calcination: Inside spongy bone. Mid grey		
1	Upper limb	Ulna	Frag of proximal shaft	White	5769
			▶ Poor calcination: Inside bone. Mid grey, sandwich effect		
2	Upper limb	Ulna	Shaft frags	White	5770

Osteological data report for Easter Gellybank

18.2.4 Bone fragments in 'EA 111'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
			▶ Poor calcination: Inside bone, also some in medullary cavity. Light to mid grey, sandwich effect		
2	Upper limb	Ulna	Shaft frags	White	5771
			▶ Specks: Both on surface and in medullary cavity. Pale green		
1	Upper limb	Ulna	Frag of distal shaft	White	5772
			▶ Ageing indicator: . Distal ulnar epiphysis unfused, age under 15-20		
			▶ Poor calcination: Some on surface, also inside bone. Mid grey		
1	L Upper limb	Lunate	Complete bone	White	5773
			▶ Poor calcination: Surface and apparently inside. Mid grey		
1	Upper limb	Scaphoid	Frag	White	5774
			▶ Poor calcination: Inside bone. Light grey		
1	L Upper limb	Hamate	Frag, hamulus	White	5775
1	Upper limb	Pisiform	Complete bone, but v weathered	White	5776
1	Upper limb	Metacarpal	Almost complete	White	5777
			▶ Ageing indicator: . Metacarpal fully fused, age over 14-16		
3	Upper limb	Metacarpal	Frag, metacarpal heads	White	5778
			▶ Poor calcination: Inside bone. Light to mid grey		
1	Upper limb	Metacarpal	Metacarpal head, unfused	White	5779
			▶ Ageing indicator: . Metacarpal head unfused, age under 14-16		
			▶ Poor calcination: Inside bone. Mid to dark grey		
4	Upper limb	Metacarpal	Frag, metacarpal heads	White	5780
			▶ Poor calcination: Inside bone. Mid grey		
1	Upper limb	Metacarpal	Frag	White	5781
			▶ Ageing indicator: . Metacarpal head unfused, age under 14-16		
2	Upper limb	Hand phalanges	Frag, unfused base and shaft	White	5782
			▶ Ageing indicator: . Base of phalanx unfused, age under 14-16		
1	Upper limb	Hand phalanges	Complete intermediate	White	5783
			▶ Ageing indicator: . Base of phalanx unfused, age under 14-16		
3	Upper limb	Hand phalanges	Intermediates, complete and frags	White	5784
			▶ Ageing indicator: . Base of phalanx fused, age over 14-16		
10	Upper limb	Hand phalanges	Frag, proximal and intermediate	White	5785
			▶ Poor calcination: Inside bone, also some on surface. Mid to dark grey		
2	Upper limb	Hand phalanges	Frag, proximal or intermediate	White	5786
			▶ Ageing indicator: . Bases of phalanges unfused, age under 14-16		
			▶ Poor calcination: Inside bone. Mid to dark grey		
12	Upper limb	Hand phalanges	Frag, proximal or intermediate	White	5787
3	Upper limb	Hand phalanges	Complete distal phalanges	White	5788
			▶ Ageing indicator: . Bases of phalanges fused, age over 13-16		
1	Axial	Sacrum	Frag of S1	White	5789
18	Lower limb	Ilium	Frag	White	5790
2	Lower limb	Ilium	Iliac crest	White	5791

Osteological data report for Easter Gellybank

18.2.4 Bone fragments in 'EA 111'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Ageing indicator: . Iliac crest unfused, age under 17-23		
1	Lower limb	Ilium	Frag	White	5792
			▶ Specks: Surface. Pale turquoise		
4	Lower limb	Ischium	Frag, unfused triradiate	White	5793
			▶ Poor calcination: Inside bone. Mid to dark grey		
			▶ Ageing indicator: . Triradiate epiphysis unfused, age under 11-17		
2	Lower limb	Ilium	Frag of acetabulum	White	5794
1	Lower limb	Ischium	Ischial tuberosity	White	5795
			▶ Ageing indicator: . Ischial tuberosity fused, age over 16-18		
1	Lower limb	Ilium	Posterior superior iliac spine	White	5796
1	Lower limb	Femur	Frag of head	White	5797
1	Lower limb	Femur	Head	White	5798
			▶ Ageing indicator: . Head unfused, age under 12-19		
1	Lower limb	Femur	Neck and part of shaft	White	5799
			▶ Ageing indicator: . Head unfused, age under 12-19		
			▶ Poor calcination: Inside spongy bone. Mid grey		
1	Lower limb	Femur	Frag of neck	White	5800
			▶ Ageing indicator: . Femoral head unfused, age under 12-19		
1	Lower limb	Femur	Shaft frag	White	5801
2	Lower limb	Femur	Shaft frags	White	5802
			▶ Poor calcination: Medullary cavity. Mid grey		
5	Lower limb	Femur	Frag of distal end, condyles	White	5803
2	Lower limb	Tibia	Frag of proximal end, epicondyles	White	5804
1	Lower limb	Tibia	Shaft frag	White	5805
4	Lower limb	Tibia	Shaft frags	White	5806
			▶ Poor calcination: Inside bone. Mid grey, sandwich effect		
1	Lower limb	Tibia	Frag of distal shaft	White	5807
			▶ Ageing indicator: . Distal tibial epiphysis unfused, age under 14-18		
1	Lower limb	Patella	Frag	White	5808
			▶ Poor calcination: Line of grey inside spongy bone. Dark grey, sandwich effect		
4	Lower limb	Fibula	Shaft frags	White	5809
4	Lower limb	Fibula	Shaft frags	White	5810
			▶ Poor calcination: Inside bone. Mid grey, sandwich effect		
1	Lower limb	Fibula	Frag of distal end	White	5811
			▶ Ageing indicator: . Distal end unfused, age over 14-20		
1	Lower limb	Talus	Frag	White	5812
			▶ Poor calcination: Inside bone. Light grey		
3	Lower limb	Calcaneus	Frag	White	5813
			▶ Poor calcination: Inside spongy bone. Light to mid grey		
1	Lower limb	Talus	Frag	White	5814
1	Lower limb	Navicular	Frag	White	5815

Osteological data report for Easter Gellybank

18.2.4 Bone fragments in 'EA 111'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
5	Lower limb	Metatarsal bone	Fraggs ▶ Ageing indicator: . Metatarsal bones fully fused, age over 11-16	White	5816
2	Lower limb	Metatarsal bone	Fraggs ▶ Ageing indicator: . Metatarsals unfused, age under 11-16 ▶ Poor calcination: Inside bone. Dark grey	White	5817
1	Lower limb	Foot phalanges	Frag, intermediate	White	5818
1	Lower limb	Sesamoid bone	Complete	White	5819

Osteological data report for Edzell

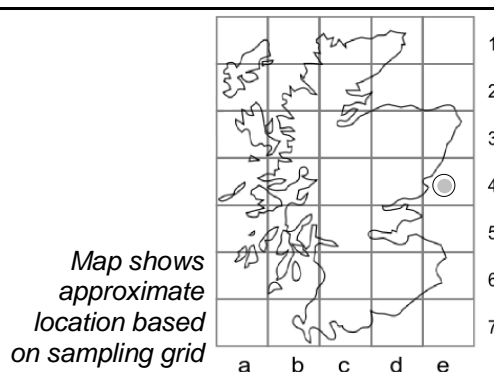
19.1 Site details for Edzell

Classification and identification

Site type: Single
Canmore ref: 35970
Excavated: 1864
Deposits: 1

Location

Local authority: Angus
Easting: 360059
Northing: 767682



Minimum number of individuals (MNI)

MNI: 1
Males: Adult: 1
Females: Child/adolescent:
Infant:

Osteological data report for Edzell

19.2 Deposit details for 'EA 20'

Deposit details

Deposit ID: EA 20
Urn type: Vase urn
Entered: 03/06/2010 18:39:07

Radiocarbon date

Lab number:
BP date: +/-
Cal BC*: -

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 145g
Extraneous material: 5g
Est. inclusion 2-5mm: 0g (0%)
Total human bone: 140g
Human bone weights by sieving fraction:
>10mm: 101g
5-10mm: 33g
2-5mm: 6g

Largest cranial and post cranial fragments

47.19mm Parietal
67.03mm Radius

Identified bone fragments

Total identified bone: 92g (66%)
No. of ident. fragments: 63
Mean ident. fragment: 1.46g
Identified fragment weights by body element:
Skull: 29g
Axial: 18g
Lower limb: 29g
Upper limb: 16g

Pyre inferences

Poorly calcined fragments: 4 (6%)
Turquoise staining: 11 (17%)

Osteological data report for Edzell

19.2.1 Individuals in 'EA 20'

No.	Sex	Age			
1	??	Adult	Age over 25. Cremation slag present.		Destructive lesion on thoracic vertebra.
	Ageing indicator	Thoracic vertebra	Annular ring fused, age over 25		
	Ageing indicator	Sacrum	S1 fused to S2, age over 25		
	Ageing indicator	Radius	Head fully fused, age over 14-20		
	Ageing indicator	Humerus	Head fully fused, age over 16-21		
	Ageing indicator	Parietal	Suture open ectocranially		
	Pathology	Thoracic vertebra	Destructive lesion on body 12.37x9.09 mm		
	Sexing indicator	Humerus	Vertical diameter 44.39 mm, sex unknown		
	Sexing indicator	Mandible	Robust, gives square impression, ?male		

19.2.2 Pyre goods in 'EA 20'

Quantity	Material	Typology/classification	Description
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19.2.3 Inclusions in 'EA 20'

Weight (g)	Inclusion type
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19.2.4 Bone fragments in 'EA 20'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
1	Skull	Occipital	Skull vault	White	946
1	L Skull	Temporal bone	Articular eminence and mandibular fossa	White	947
1	Skull	Maxilla	Small fragment of alveolar process with 1 alveolus	White	948
1	Skull	Parietal	Skull vault	White	949
			► Ageing indicator: Coronal or lambdoid suture. Suture open ectocranially		
			► Specks: Endocranial surface. Medium turquoise		
			► Stain: Endocranial surface. Pale orange		
1	Skull	Temporal bone	Fragment of mastoid process	White	950
1	Skull	Parietal	Squamosal suture	White	951
13	Skull	Unspecified	Skull vault fragments	White	952
1	Skull	Parietal	Skull vault	White	953
			► Specks: Endocranial surface. Pale turquoise		
6	Skull	Unspecified	Small skull vault fragments	White	954
1	Axial	Rib fragments	Shaft, small fragment	White	955
			► Cremation slag: Outer surface. Beige, c. 1 mm high, c. 4x2 mm, embedded sand		
9	Axial	Rib fragments	Small shaft fragments	White	956
1	Axial	Rib fragments	Small shaft fragments	White	957
			► Specks: Outer surface. Pale turquoise		
1	Skull	Mandible	Body, with mental spines	White	958

Osteological data report for Edzell

19.2.4 Bone fragments in 'EA 20'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
			▶ Specks: Surface, both lingual and outside. Pale turquoise		
			▶ Sexing indicator: . Robust, gives square impression, ?male		
1	Skull	Frontal bone	Frontal crest	White	959
1	Axial	Rib fragments	Shaft	White	960
1	R Lower limb	Femur	Proximal shaft	White	961
1	Lower limb	Femur	Shaft, with linea aspera	White	962
2	Lower limb	Femur	Shaft fragments	White	963
1	Lower limb	Femur	Distal end, patellar surface	White	964
			▶ Specks: Anteriorly. Pale turquoise		
1	Lower limb	Femur	Fragment of lateral condyle	White	965
1	Lower limb	Talus	Small fragment, body and trochlea	White	966
			▶ Poor calcination: Trochlea. Light grey		
1	Lower limb	Ilium	Fragment of blade	White	972
1	Lower limb	Ilium	Fragment of blade	White	973
			▶ Specks: All over. Pale turquoise specks		
1	L Upper limb	Humerus	Head of humerus	White	974
			▶ Sexing indicator: Head. Vertical diameter 44.39 mm, sex unknown		
			▶ Cremation slag: Medially. Mid grey, particles of sand and ?bone		
			▶ Ageing indicator: Epiphysis. Head fully fused, age over 16-21		
2	Upper limb	Humerus	Shaft fragments	White	975
1	Upper limb	Humerus	Shaft fragment	White	976
			▶ Specks: Outer surface. Pale turquoise		
			▶ Cremation slag: . 9x9.80 mm beige, embedded sand and bone		
2	Upper limb	Humerus	Shaft fragments	White	977
1	Upper limb	Humerus	Shaft fragment	White	978
			▶ Specks: Outer surface. Pale turquoise		
			▶ Cremation slag: Outer surface. Beige, 9x9.8 mm, sand and bone embedded		
2	L Upper limb	Radius	Head and shaft, adjoining fragments	White	979
			▶ Poor calcination: Hed and under tubercle. Black, dark grey		
			▶ Ageing indicator: Head. Head fully fused, age over 14-20		
1	Upper limb	Radius	Shaft fragment	White	980
			▶ Cremation slag: Outer surface. Beige, small areas, embedded sand		
1	Axial	Axis vertebra	Fragment of dens	White	988
			▶ Stain: Widespread on surface. Pale turquoise		
1	Axial	Sacrum	Fragment of body of S1	White	989
			▶ Stain: On surface. Pale turquoise		
			▶ Ageing indicator: S1. S1 fused to S2, age over 25		
1	Axial	Thoracic vertebra	Fragment of body and neural arch	White	990
			▶ Poor calcination: Surface. One surface poorly calcined		
			▶ Ageing indicator: Annular ring. Annular ring fused, age over 25		
1	Axial	Thoracic vertebra	Fragment of body and neural arch	White	991

Osteological data report for Edzell

19.2.4 Bone fragments in 'EA 20'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Pathology: Surface of body. Destructive lesion on body 12.37x9.09 mm		
			▶ Stain: All surfaces, esp. Pathology. Pale turquoise		

Osteological data report for Ferneystripe

20.2 Deposit details for 'EA 104'

Deposit details

Deposit ID: EA 104
Urn type: Uncertain
Entered: 17/06/2011 19:07:22

Radiocarbon date

Lab number:
BP date: +/-
Cal BC*: -

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male: 1
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 91g
Extraneous material: 0g
Est. inclusion 2-5mm: 0g (0%)
Total human bone: 91g
Human bone weights by sieving fraction:
>10mm: 83g
5-10mm: 8g
2-5mm: 0g

Largest cranial and post cranial fragments

37.2mm Frontal
66.16mm Iliac crest

Identified bone fragments

Total identified bone: 86g (95%)
No. of ident. fragments: 21
Mean ident. fragment: 4.1g
Identified fragment weights by body element:
Skull: 29g
Axial: 16g
Lower limb: 34g
Upper limb: 7g

Pyre inferences

Poorly calcined fragments: 11 (52%)
Turquoise staining: 3 (14%)

Osteological data report for Ferneystripe

20.2.1 Individuals in 'EA 104'

No. Sex Age

1	?M	Adult		
Ageing indicator	Ilium		Iliac crest fully fused, age over 17-23	
Ageing indicator	Thoracic vertebra		Annular ring fused, age over mid 20s	
Ageing indicator	Occipital		Lambd suture obliterated internally	
Pathology	Thoracic vertebra		Schmorl's nodes, at least 2, c. 10x3 mm	
Sexing indicator	Frontal bone		Fragment scores 4, ?male	

20.2.2 Pyre goods in 'EA 104'

Quantity Material Typology/classification Description

20.2.3 Inclusions in 'EA 104'

Weight (g) Inclusion type

20.2.4 Bone fragments in 'EA 104'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
7	Skull	Unspecified	Skull vault ▶ Poor calcination: Diploe. Light grey, sandwich effect	White	3507
1	Skull	Occipital	Skull vault, w transverse sulcus ▶ Ageing indicator: . Lambd suture obliterated internally ▶ Poor calcination: Diploe. Light grey, sandwich effect	White	3508
1	Skull	Frontal bone	Frag w frontal crest	White	3509
1	L Skull	Frontal bone	Frag w supraorbital margin ▶ Sexing indicator: . Fragment scores 4, ?male	White	3510
1	Axial	Thoracic vertebra	Frag of body ▶ Ageing indicator: . Annular ring fused, age over mid 20s ▶ Pathology: . Schmorl's nodes, at least 2, c. 10x3 mm	White	3511
1	Axial	Lumbar vertebra	Frag of body ▶ Specks: A few, on sides. Pale turquoise	White	3512
1	Upper limb	Humerus	Shaft frag ▶ Specks: On surface. Pale turquoise	White	3513
1	Upper limb	Radius	Frag of distal end	White	3514
1	Upper limb	Ulna	Shaft frag	White	3515
1	Upper limb	Metacarpal	Frag	White	3516
1	Lower limb	Ilium	Frag of iliac crest ▶ Ageing indicator: . Iliac crest fully fused, age over 17-23	White	3517
3	Lower limb	Femur	Shaft frags ▶ Poor calcination: Inside bone. Mid grey, sandwich effect	White	3518
1	Lower limb	Femur	Shaft frag ▶ Specks: A few on surface. Pale turquoise	White	3519

Osteological data report for Fetteresso

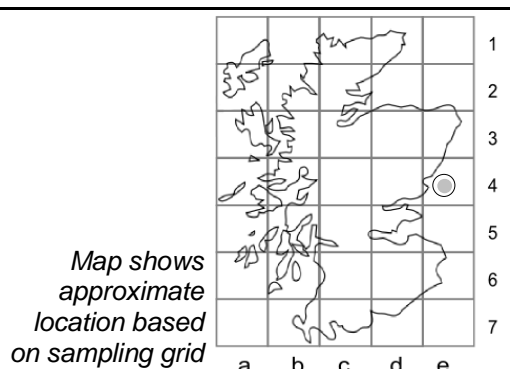
21.1 Site details for Fetteresso

Classification and identification

Site type: Flat cemetery
Canmore ref: 107590
Excavated: 1995
Deposits: 1

Location

Local authority: Aberdeenshire
Easting: 384432
Northing: 785574



Minimum number of individuals (MNI)

MNI: 1
Males: 1
Females:
Adult: 1
Child/adolescent:
Infant:

Osteological data report for Fetteresso

21.2 Deposit details for 'Unregistered'

Deposit details

Deposit ID: Unregistered
Urn type: Cordoned urn
Entered: 22/07/2010 17:09:08

Radiocarbon date

Lab number: GrA-28615
BP date: 3325 +/- 40
Cal BC*: 1510 - 1740

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male: 1
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 3590g
Extraneous material: 1372g
Est. inclusion 2-5mm: 62g (40%)
Total human bone: 2156g
Human bone weights by sieving fraction:
>10mm: 1699g
5-10mm: 364g
2-5mm: 155g

Largest cranial and post cranial fragments

93.6mm Mandible
134.74mm Ulna

Identified bone fragments

Total identified bone: 644g (30%)
No. of ident. fragments: 260
Mean ident. fragment: 2.48g
Identified fragment weights by body element:
Skull: 257g
Axial: 92g
Lower limb: 150g
Upper limb: 145g

Pyre inferences

Poorly calcined fragments: 93 (36%)
Turquoise staining: 21 (8%)

Osteological data report for Fetteresso

21.2.1 Individuals in 'Unregistered'

No.	Sex	Age		
1	?M	Adult	c. 25-53, animals as pyre goods	Schmorl's node and marginal lipping in back
Ageing indicator	Parietal		Coronal suture open	
Ageing indicator	Pubis		Pubic symphysis scores 2-3, age 19-56	
Ageing indicator	Cervical vertebra		Annular ring fused, age over 25	
Ageing indicator	Unspecified		Suture obliterated internally	
Ageing indicator	Cervical vertebra		Annular ring fused, age over 25	
Ageing indicator	Mandible		All three molars erupted	
Ageing indicator	Thoracic vertebra		Annular ring fused, age over 25	
Ageing indicator	Parietal		Coronal suture open	
Ageing indicator	Thoracic vertebra		Annular rings fused, age over 25	
Ageing indicator	Parietal		Sagittal suture obliterated internally	
Ageing indicator	Parietal		Lambd and sag sutures obliterated internally	
Ageing indicator	Parietal		Sagittal suture obliterated internally	
Ageing indicator	Parietal		Lambdoid suture obliterated internally	
Ageing indicator	Parietal		Sagittal suture obliterated internally	
Ageing indicator	Parietal		Lambdoid suture obliterated internally	
Ageing indicator	Parietal		Lambdoid suture partly obliterated internally	
Ageing indicator	Ilium		Iliac crest fused, age over 14-22	
Ageing indicator	Occipital		Lambdoid suture obliterated internally	
Ageing indicator	Parietal		Sagittal suture obliterated internally	
Ageing indicator	Cervical vertebra		Annular ring fused, age over 25	
Ageing indicator	Lumbar vertebra		Annular ring fused, age over 25	
Ageing indicator	Parietal		Sagittal suture obliterated internally	
Ageing indicator	Cervical vertebra		Annular ring fused, age over 25	
Ageing indicator	Unspecified		Suture obliterated internally	
Ageing indicator	Pubis		Pubic symphysis scores 2-3, age 19-53 (19-46 if m)	
Ageing indicator	Ulna		Fully fused, age over 12-18	
Ageing indicator	Scapula		Glenoid fossa fully fused, age over 15-18	
Ageing indicator	Rib fragments		Tubercle fully fused, age over 18-20	
Ageing indicator	Sacrum		Fully fused, age over 18-25	
Ageing indicator	Radius		Distal end fully fused, age over 14-20	
Pathology	Sacrum		Possibly a schmorl's node	
Pathology	Thoracic vertebra		Very slight lipping	
Pathology	Sacrum		Possible schmorl's nodes	
Sexing indicator	Frontal bone		Supraorbital ridge scores 3, ?sex	
Sexing indicator	Mandible		Square shape, strong build, suggests ?male	
Sexing indicator	Mandible		Gonial angle flared, ?male	
Sexing indicator	Mandible		Mental eminence scores 4, ?male	
Sexing indicator	Frontal bone		Supraorbital margin scores 4, ?male	

21.2.2 Pyre goods in 'Unregistered'

Quantity	Material	Typology/classification	Description
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Osteological data report for Fetteresso

6	Animal bone	Dog/pig? 14 g
3	Other	Burnt flint, 12 g

21.2.3 Inclusions in 'Unregistered'

Weight (g) Inclusion type

286	Stone
13	Pottery
1	Charcoal

21.2.4 Bone fragments in 'Unregistered'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Skull	Temporal bone	Squama ▶ Poor calcination: All over. Sandwich effect, tables white, inside mid grey	White	1595
4	Skull	Unspecified	Skull vault ▶ Poor calcination: All over. Sandwich effect, also inner table light grey	White	1596
1	Skull	Unspecified	Skull vault ▶ Poor calcination: All over. Sandwich effect	White	1597
1	Skull	Unspecified	Skull vault	White	1598
1	Skull	Unspecified	Skull vault ▶ Poor calcination: All over. Sandwich effect ▶ Ageing indicator: Suture. Suture obliterated internally	White	1599
2	L Skull	Parietal	Two adjoining fragments w parietal striae ▶ Other: Widespread. Criss-cross patterning ▶ Specks: Near mastoid angle. Pale turquoise speck on endocranial surface	White	1600
1	R Skull	Parietal	Fragment with parietal striae ▶ Poor calcination: All over. Sandwich effect ▶ Stain: Endocranial surface. Pale red and orange stains ▶ Ageing indicator: Suture. Lambdoid suture obliterated internally	White	1601
1	Skull	Parietal	Skull vault ▶ Poor calcination: All over. Sandwich effect ▶ Stain: Endocranial surface. Yellow staining ▶ Ageing indicator: Suture. Sagittal suture obliterated internally	White	1602
1	Skull	Parietal	Skull vault ▶ Poor calcination: All over. Sandwich effect ▶ Stain: Endocranial surface. Yellow staining ▶ Other: Both surfaces. Criss-cross patterning	White	1603
1	Skull	Parietal	Skull vault ▶ Poor calcination: All over. Sandwich effect ▶ Stain: Endocranial surface. Pale red-brown	White	1604
1	Skull	Parietal	Skull vault ▶ Poor calcination: Ectocranial surface. Medium grey ▶ Ageing indicator: Suture. Lambdoid suture obliterated internally	White	1605
1	Skull	Parietal	Skull vault	White	1606

Osteological data report for Fetteresso

21.2.4 Bone fragments in 'Unregistered'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			<ul style="list-style-type: none"> ▶ Poor calcination: Laterally. Sandwich effect ▶ Ageing indicator: Suture. Sagittal suture obliterated internally 		
1	R Skull	Parietal	Skull vault, occipital angle	White	1607
			<ul style="list-style-type: none"> ▶ Poor calcination: All over. Sandwich effect ▶ Stain: Endocranial surface. Brown ▶ Ageing indicator: Sutures. Lambd and sag sutures obliterated internally 		
1	L Skull	Parietal	Skull vault, frontal angle	White	1608
			<ul style="list-style-type: none"> ▶ Poor calcination: All over. Sandwich effect ▶ Stain: Endocranial surface. Yellow ▶ Ageing indicator: Suture. Sagittal suture obliterated internally ▶ Ageing indicator: Suture. Coronal suture open 		
1	Skull	Parietal	Skull vault	White	1609
			<ul style="list-style-type: none"> ▶ Specks: Widespread. Black ▶ Ageing indicator: Suture. Coronal suture open 		
1	Skull	Parietal	Skull vault	White	1610
			<ul style="list-style-type: none"> ▶ Poor calcination: Posterior, near suture, ectocranially. Light grey ▶ Ageing indicator: Suture. Lambdoid suture partly obliterated internally 		
1	Skull	Parietal	Skull vault	White	1611
1	L Skull	Frontal bone	Supraorbital margin, fragment	White	1612
			<ul style="list-style-type: none"> ▶ Specks: In orbit, on supraorbital margin. V pale turquoise specks, ▶ Sexing indicator: Supraorbital margin. Supraorbital margin scores 4, ?male ▶ Sexing indicator: Supraorbital ridge. Supraorbital ridge scores 3, ?sex 		
1	R Skull	Temporal bone	Fragment of mandibular fossa and mastoid process	White	1613
			<ul style="list-style-type: none"> ▶ Specks: Widespread. Black, chrystal- or lichen shaped ▶ Stain: Superior to mastoid process. Yellow-brown, partly iridescent ▶ Poor calcination: Mastoid process. Light grey 		
1	L Skull	Maxilla	Fragment of alveolar process, 3 alveoli	White	1614
			<ul style="list-style-type: none"> ▶ Poor calcination: Mainly anterior. Sandwich effect 		
1	R Skull	Mandible	Fragment of body w alveoli	White	1615
			<ul style="list-style-type: none"> ▶ Poor calcination: Posteriomedially. Light grey, sandwich effect ▶ Ageing indicator: Molars. All three molars erupted 		
1	Skull	Mandible	Small fragment of body w alveoli	White	1616
			<ul style="list-style-type: none"> ▶ Poor calcination: Alveoli. Sandwich effect 		
1	Skull	Mandible	Fragment w mental spines	White	1617
			<ul style="list-style-type: none"> ▶ Sexing indicator: Mandible. Square shape, strong build, suggests ?male ▶ Sexing indicator: Mental eminence. Mental eminence scores 4, ?male 		
1	L Skull	Mandible	Large part of body w alveoli	White	1618
			<ul style="list-style-type: none"> ▶ Poor calcination: Posteriomedially. Light grey ▶ Other: Widespread. Criss-cross patterning ▶ Sexing indicator: Gonial angle. Gonial angle flared, ?male 		

Osteological data report for Fetteresso

21.2.4 Bone fragments in 'Unregistered'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
2	Skull	Unspecified	Fragments of facial skeleton or ethmoid	White	1619
1	R Skull	Temporal bone	Fragment of petrous part	White	1620
			▶ Other: All over. Criss-cross patterning		
1	L Skull	Temporal bone	Fragment of mandibular fossa and art. Eminence	White	1621
1	Axial	Cervical vertebra	Fragment of body	White	1622
			▶ Poor calcination: All over. The bone is blue, varying nuances		
			▶ Ageing indicator: Annular ring. Annular ring fused, age over 25		
1	Axial	Cervical vertebra	Fragment of body and neural arc	White	1623
			▶ Ageing indicator: Annular ring. Annular ring fused, age over 25		
1	Axial	Cervical vertebra	Fragment of ody and neural arc	White	1624
			▶ Ageing indicator: Annular ring. Annular ring fused, age over 25		
1	Axial	Thoracic vertebra	Fragments of separate bodies	White	1625
			▶ Poor calcination: Internally in spongy bone. Light grey		
			▶ Ageing indicator: Annular ring. Annular rings fused, age over 25		
1	Axial	Thoracic vertebra	Fragment of body	White	1626
			▶ Ageing indicator: Annular ring. Annular ring fused, age over 25		
1	Axial	Sacrum	Fragment of S1	White	1627
			▶ Poor calcination: Sup art facet and posteriolaterally left side. Mid grey		
			▶ Pathology: Left side, inferior aspect. Possibly a schmorl's node		
1	Axial	Sacrum	Fragment of S2	White	1628
			▶ Stain: Anterior aspect. Pale turquoise		
			▶ Other: Anterior aspect. Criss-cross pattern		
			▶ Pathology: Superior aspect. Possible schmorl's nodes		
1	Axial	Sacrum	Fragment of S3 or lower	White	1629
1	Axial	Sacrum	Fragment of ala	White	1630
			▶ Ageing indicator: . Fully fused, age over 18-25		
1	Axial	Sternum	Fragment of manubrium, anterior surface	White	1631
1	Axial	Rib fragments	Shaft fragment w part of tubercle	White	1632
			▶ Ageing indicator: Tubercle. Tubercle fully fused, age over 18-20		
2	Axial	Rib fragments	Shaft fragments	White	1633
			▶ Other: All over. Criss-cross patterning		
3	Axial	Rib fragments	Shaft fragments	White	1634
1	R Upper limb	Scapula	Glenoid fossa	White	1635
			▶ Specks: Widespread. Pale turquoise		
			▶ Ageing indicator: Glenoid fossa. Glenoid fossa fully fused, age over 15-18		
2	Upper limb	Humerus	Fragments of head	White	1636
			▶ Poor calcination: Inside spongy bone. Light grey		
1	L Upper limb	Ulna	Fragment of proximal end	White	1637

Osteological data report for Fetteresso

21.2.4 Bone fragments in 'Unregistered'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			<ul style="list-style-type: none"> ▶ Specks: Widespread. Black ▶ Stain: Proximal shaft. Yellow, faint to strong ▶ Ageing indicator: Proximal end. Fully fused, age over 12-18 		
1	L Upper limb	Radius	Fragment of distal end	White	1638
			<ul style="list-style-type: none"> ▶ Ageing indicator: Distal end. Distal end fully fused, age over 14-20 		
1	L Upper limb	Ulna	Fragment of proximal shaft, adjoins w end	White	1639
1	Upper limb	Radius	Fragment of shaft	White	1640
			<ul style="list-style-type: none"> ▶ Other: Widespread. Criss-cross patterning ▶ Specks: Laterally. Pale turquoise 		
1	Upper limb	Radius	Fragment of shaft	White	1641
			<ul style="list-style-type: none"> ▶ Cremation slag: Along shaft. Some sort of grainy residue, incorporating sand ▶ Other: Distal end. Distal end of frag v clean and white, contrasts 		
1	Upper limb	Ulna	Fragment of shaft	White	1642
			<ul style="list-style-type: none"> ▶ Poor calcination: Shaft. Light grey area in one end ▶ Other: Widespread. Criss-cross patterning 		
2	Upper limb	Humerus	Fragments of shaft	White	1643
			<ul style="list-style-type: none"> ▶ Stain: Widespread areas, inside and out. Yellow ▶ Specks: Outer surface. Pale turquoise 		
1	Upper limb	Humerus	Fragment of shaft	White	1644
			<ul style="list-style-type: none"> ▶ Poor calcination: Medullary cavity, also one end. Light grey 		
1	Lower limb	Femur	Fragment of shaft	White	1645
1	Lower limb	Femur	Small fragment of shaft, w linea aspera	White	1646
			<ul style="list-style-type: none"> ▶ Stain: Outer surface, near linea aspera. Yellow-brown 		
1	Lower limb	Tibia	Fragment of shaft	White	1647
			<ul style="list-style-type: none"> ▶ Specks: Outer surface. Pale turquoise 		
1	R Lower limb	Femur	Fragment of distal end, patellar surface	White	1648
			<ul style="list-style-type: none"> ▶ Poor calcination: On most of patellar surface. Mid grey 		
1	Lower limb	Femur	Fragment of distal end, epicondyle	White	1649
1	L Lower limb	Patella	Fragment	White	1650
			<ul style="list-style-type: none"> ▶ Poor calcination: Anterior and inside. Light grey 		
1	R Lower limb	Patella	Fragment	White	1651
1	Lower limb	Fibula	Fragment of proximal end	White	1652
1	Lower limb	Fibula	Fragment of distal end	White	1653
9	Axial	Rib fragments	Shaft fragments	White	1654
			<ul style="list-style-type: none"> ▶ Poor calcination: Shaft. Some poor calcination 		
2	Upper limb	Hand phalanges	Distal hand phalanges	White	1655
3	Upper limb	Hand phalanges	Intermediate hand phalanges	White	1656
3	Upper limb	Hand phalanges	Intermediate hand phalanges, fragments	White	1657
2	Upper limb	Hand phalanges	Proximal hand phalanx, fragment	White	1658

Osteological data report for Fetteresso

21.2.4 Bone fragments in 'Unregistered'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Lower limb	Foot phalanges	Distal foot phalanx ▶ Poor calcination: Widespread. Light grey	White	1659
1	Lower limb	Foot phalanges	Proximal foot phalanx	White	1660
4	Upper limb	Metacarpal	Fragments of metacarpals	White	1661
1	Lower limb	Foot phalanges	Fragment of 1st distal foot phalanx	White	1662
2	Lower limb	Foot phalanges	Fragments of 1st proximal foot phalanx ▶ Poor calcination: Distal end. Some poor calcination	White	1663
1	Lower limb	Metatarsal bone	Fragment of metatarsal	White	1664
3	Lower limb	Talus	Fragments	White	1665
1	Upper limb	Hamate	Hamulus	White	1666
2	Upper limb	Lunate	Fragments	White	1667
1	Lower limb	Sesamoid bone	Fragmented	White	1668
1	Upper limb	Trapezium	Fragment	White	1669
1	Lower limb	Navicular	Fragment	White	1670
9	Skull	Unspecified	Skull vault ▶ Poor calcination: Widespread. Sandwich effect ▶ Stain: Endocranial surface. Some yellow staining	White	1671
5	Skull	Unspecified	Skull vault ▶ Poor calcination: Widespread. Sandwich effect ▶ Stain: Endocranial surface. Yellow	White	1672
1	Skull	Mandible	Small fragment of body w alveoli ▶ Other: Widespread. Criss-cross patterning	White	1673
1	Skull	Unspecified	Skull vault ▶ Ageing indicator: Suture. Suture obliterated internally ▶ Poor calcination: Widespread. Sandwich effect	White	1674
3	Skull	Parietal	Skull vault ▶ Poor calcination: Widespread. Sandwich effect ▶ Stain: Endocranial surface. Yellow ▶ Ageing indicator: Suture. Sagittal suture obliterated internally	White	1675
4	Skull	Unspecified	Fragments of facial skeleton or sinuses ▶ Specks: Occasional. Pale turquoise	White	1676
2	Skull	Temporal bone	Fragments of mastoid process or thereabouts	White	1677
1	Skull	Temporal bone	Fragment of skull vault	White	1678
1	Skull	Temporal bone	Fragment with sigmoid sulcus ▶ Stain: Endocranial surface. Yellow	White	1679
1	R Skull	Zygomatic	Fragment ▶ Stain: Widespread. Yellow	White	1680
2	Upper limb	Humerus	Fragments of trochlea	White	1681
1	Upper limb	Metacarpal	Fragment of 5th metacarpal ▶ Poor calcination: Below head. Mid grey	White	1682
6	Axial	Thoracic vertebra	Superior articular facets	White	1683

Osteological data report for Fetteresso

21.2.4 Bone fragments in 'Unregistered'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Poor calcination: Varying extents. Some, mid grey		
			▶ Stain: Only on one fragment. Yellow		
			▶ Other: . No sign of lipping		
2	Axial	Lumbar vertebra	Spinous processes	White	1684
4	Axial	Thoracic vertebra	Inferior articular facets	White	1685
			▶ Pathology: Only one of the fragments. Very slight lipping		
1	Axial	Cervical vertebra	Fragment of neural arc w articular facets	White	1686
1	Axial	Thoracic vertebra	Spinous process	White	1687
1	Axial	Lumbar vertebra	Superior articular facet	White	1688
			▶ Poor calcination: Inside spongy bone. Some light grey		
1	Axial	Atlas vertebra	Fragment of superior articular facet	White	1689
			▶ Poor calcination: Inside spongy bone. Mid grey		
5	Skull	Dentition	Small tooth root fragments		1690
4	Skull	Dentition	Molar root fragments		1691
1	Skull	Dentition	Fragment, 2nd mand perm molar		1692
1	Skull	Dentition	Mandibular 1st perm incisor		1693
1	Skull	Dentition	Mandibular 2nd perm incisor		1694
1	Skull	Dentition	Mandibular 2nd perm incisor		1695
1	Skull	Dentition	Maxillary 1st perm incisor		1696
1	Skull	Dentition	Mandibular perm canine		1697
1	Skull	Dentition	Maxillary 2nd premolar		1698
1	Skull	Dentition	Maxillary 2nd premolar		1699
1	Skull	Dentition	Mandibular 2nd premolar		1700
1	Skull	Dentition	Mandibular 1st perm molar		1701
1	Skull	Dentition	Maxillary 2nd perm molar		1702
1	Skull	Dentition	Mandibular 3rd perm molar		1703
1	Skull	Dentition	Mandibular 2nd perm molar		1704
2	Skull	Dentition	Tooth root fragments		1705
1	Skull	Dentition	Mandibular 1st perm incisor		1706
1	Skull	Dentition	Mandibular 1st or 2nd perm molar		1707
1	Skull	Dentition	Mandibular 1st or 2nd perm molar		1708
2	Axial	Rib fragments	Shaft fragments	White	1709
1	Axial	Lumbar vertebra	Superior articular facet	White	1710
1	Axial	Thoracic vertebra	Fragment of inferior articular facet	White	1711
			▶ Poor calcination: Inside spongy bone. Light grey		
2	Upper limb	Hand phalanges	Fragments of hand phalanges	White	1712
1	Upper limb	Metacarpal	Fragment of metacarpal	White	1713
1	Upper limb	Hand phalanges	Distal hand phalanx	White	1714
4	Skull	Unspecified	Skull vault	White	1715
3	Skull	Unspecified	Facial skeleton	White	1716
5	Skull	Unspecified	Skull vault	White	1717

Osteological data report for Fetteresso

21.2.4 Bone fragments in 'Unregistered'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
			▶ Poor calcination: Widespread. Light grey, sandwich effect		
			▶ Stain: Endocranial surface, some of the frags. Yellow		
2	Skull	Unspecified	Skull vault	White	1718
3	Skull	Unspecified	Facial skeleton	White	1719
			▶ Stain: Sinus. Yellow		
1	Skull	Mandible	Fragment of body w 3 alveoli	White	1720
3	Skull	Occipital	Fragments w occipital protuberance and occ sulcus	White	1721
			▶ Stain: Endocranial surface. Yellow		
			▶ Poor calcination: Widespread. Sandwich effect, mid grey		
			▶ Ageing indicator: Suture. Lambdoid suture obliterated internally		
1	R Skull	Zygomatic	Frontal process	White	1722
5	Skull	Parietal	Skull vault	White	1723
			▶ Ageing indicator: Suture. Sagittal suture obliterated internally		
			▶ Stain: Endocranial surface. Yellow		
			▶ Poor calcination: Widespread. Light grey, sandwich effect		
2	Axial	Rib fragments	Shaft fragments	White	1724
			▶ Poor calcination: Widespread. Light grey, sandwich effect		
4	Axial	Rib fragments	Shaft fragments	White	1725
1	Axial	Lumbar vertebra	Body	White	1726
			▶ Ageing indicator: Annular ring. Annular ring fused, age over 25		
			▶ Specks: On lateral surfaces. Pale turquoise		
1	Axial	Sacrum	Fragment of S3 or S4	White	1727
			▶ Specks: Anterior surface. Bright turquoise		
1	Axial	Cervical vertebra	Body	White	1728
			▶ Ageing indicator: Annular ring. Annular ring fused, age over 25		
1	Axial	Sacrum	Fragment of S1 and ala	White	1729
2	Axial	Thoracic vertebra	Inferior articular facets	White	1730
1	Upper limb	Clavicle	Fragment of shaft	White	1731
			▶ Cremation slag: Towards one end. Adhering particles, yellow		
1	Upper limb	Radius	Fragment of shaft and radial tuberosity	White	1732
2	Upper limb	Hand phalanges	Proximal hand phalanges	White	1733
2	Upper limb	Metacarpal	Fragments of metacarpals	White	1734
1	Upper limb	Carpal bone	Unknown cuneiform, fragment	White	1735
			▶ Poor calcination: Inside spongy bone. Light grey		
1	L Upper limb	Humerus	Distal end w medial epicondyle	White	1736
1	Upper limb	Ulna	Fragment of shaft	White	1737
			▶ Poor calcination: Inside medullary cavity. Medium grey		
1	Upper limb	Radius	Fragment of shaft	White	1738
1	Lower limb	Fibula	Fragment of shaft	White	1739
			▶ Poor calcination: . Light grey, sandwich effect		

Osteological data report for Fetteresso

21.2.4 Bone fragments in 'Unregistered'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Upper limb	Radius	Fragment of shaft w radial tuberosity ▶ Poor calcination: On surface of tuberosity. Mid grey	White	1740
1	Upper limb	Humerus	Fragment of head	White	1741
1	Upper limb	Radius	Fragment of head	White	1742
2	Lower limb	Femur	Fragments of shaft ▶ Specks: Outer surface. Pale turquoise	White	1743
1	Lower limb	Femur	Fragment of proximal end	White	1744
2	Lower limb	Femur	Fragments of head ▶ Poor calcination: In spongy bone. Some, mid grey	White	1745
1	Lower limb	Femur	Fragment of epicondyle	White	1746
1 L	Lower limb	Calcaneus	Fragment ▶ Specks: Sustentaculum tali. Pale turquoise	White	1747
1	Lower limb	Talus	Fragment	White	1748
2	Lower limb	Metatarsal bone	Fragments of both 1st metatarsals	White	1749
1	Lower limb	Navicular	Fragment	White	1750
1	Upper limb	Ulna	Fragment of olecranon ▶ Poor calcination: Proximally. Mid grey	White	1751
1	Lower limb	Ilium	Iliac crest, towards post sup iliac spine ▶ Specks: Outer surface. Pale turquoise ▶ Ageing indicator: Iliac crest. Iliac crest fused, age over 14-22	White	1752
1 R	Lower limb	Pubis	Part of pubic symphysis ▶ Specks: Ventral surface. Pale turquoise ▶ Ageing indicator: Pubic symphysis. Pubic symphysis scores 2-3, age 19-53 (19-46 if m)	White	1753
1 L	Lower limb	Pubis	Part of pubic symphysis ▶ Poor calcination: In spongy bone. Light grey ▶ Specks: Superior part of frag. Pale turquoise ▶ Ageing indicator: Pubic symphysis. Pubic symphysis scores 2-3, age 19-56	White	1754
1	Lower limb	Ilium	Fragment	White	1755
1	Lower limb	Ilium	Iliac crest, posterior part	White	1756
1	Upper limb	Scapula	Fragment	White	1757

Osteological data report for Gilchorn

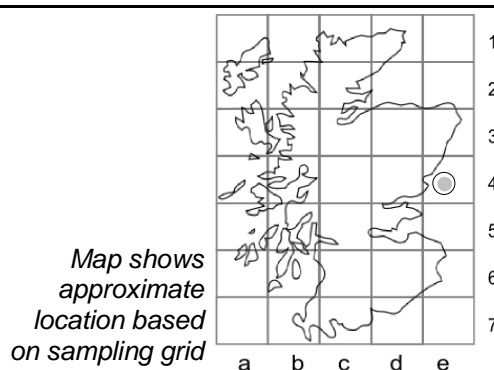
22.1 Site details for Gilchorn

Classification and identification

Site type: Cairn
Canmore ref: 35396
Excavated:
Deposits: 2

Location

Local authority: Angus
Easting: 365049
Northing: 748280



Minimum number of individuals (MNI)

MNI: 2
Males: Adult: 2
Females: Child/adolescent:
Infant:

Osteological data report for Gilchorn

22.2 Deposit details for 'EQ 222'

Deposit details

Deposit ID: EQ 222
Urn type: Collared urn
Entered: 09/06/2011 19:22:05

Radiocarbon date

Lab number: GrA-23999
BP date: 3465 +/- 40
Cal BC*: 1680 - 1890

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 350g
Extraneous material: 155g
Est. inclusion 2-5mm: 2g (50%)
Total human bone: 193g
Human bone weights by sieving fraction:
>10mm: 132g
5-10mm: 59g
2-5mm: 4g

Largest cranial and post cranial fragments

53.15mm Unspecified
56.03mm Femur

Identified bone fragments

Total identified bone: 105g (54%)
No. of ident. fragments: 51
Mean ident. fragment: 2.06g
Identified fragment weights by body element:
Skull: 26g
Axial: 10g
Lower limb: 44g
Upper limb: 25g

Pyre inferences

Poorly calcined fragments: 31 (61%)
Turquoise staining: 1 (2%)

Osteological data report for Gilchorn

22.2.1 Individuals in 'EQ 222'

No. Sex Age

1 ?? Adult

Ageing indicator Cervical vertebra Annular ring fused, age over mid 20s
Ageing indicator Parietal Sag suture obliterated internally

22.2.2 Pyre goods in 'EQ 222'

Quantity Material Typology/classification Description

1 Animal bone Longbones Mostly longbone frags, 31 g

22.2.3 Inclusions in 'EQ 222'

Weight (g) Inclusion type

44 Pottery

22.2.4 Bone fragments in 'EQ 222'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
13	Skull	Unspecified	Skull vault ▶ Poor calcination: Diploe. Mid grey, sandwich effect	White	3710
1	Skull	Parietal	Skull vault ▶ Ageing indicator: . Sag suture obliterated internally ▶ Poor calcination: Diploe. Light grey, sandwich effect ▶ Specks: Endocranial surface. Pale turquoise	White	3711
1	Skull	Mandible	Frag of body	White	3712
1	Skull	Mandible	Frag of asc ramus	White	3713
5	Axial	Rib fragments	Shaft frags	White	3714
1	Axial	Cervical vertebra	Frag of body ▶ Ageing indicator: . Annular ring fused, age over mid 20s	White	3715
1	Axial	Thoracic vertebra	Frag of body	White	3716
3	Axial	Thoracic vertebra	Frag of neural arch, art facets	White	3717
1	Axial	Sacrum	Frag of body and ala	White	3718
2	Upper limb	Humerus	Shaft frags ▶ Poor calcination: Inside bone. Light grey, sandwich effect	White	3719
1	Upper limb	Humerus	Frag of head	White	3720
3	Upper limb	Radius	Shaft frags ▶ Poor calcination: Inside bone. Light grey, sandwich effect	White	3721
1	Upper limb	Ulna	Shaft frag ▶ Poor calcination: Inside bone. Light grey, sandwich effect	White	3722
1	Upper limb	Metacarpal	Frag ▶ Poor calcination: Inside. Mid grey	White	3723
1	Upper limb	Hand phalanges	Frag of intermediate	White	3724
1	Upper limb	Hamate	Frag	White	3725
2	Lower limb	Ilium	Frag	White	3726

Osteological data report for Gilchorn

22.2.4 Bone fragments in 'EQ 222'

<u>Qty</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Poor calcination: Inside spongy bone. Light grey		
1	Lower limb	Ilium	Frag of acetabulum	White	3727
3	Lower limb	Femur	Shaft frags	White	3728
			▶ Poor calcination: Inside bone. Light to mid grey, sandwich effect		
1	Lower limb	Femur	Frag of distal shaft	White	3729
1	Lower limb	Tibia	Frag of proximal end, epicondyle	White	3730
			▶ Poor calcination: Inside spongy bone. Mid grey		
1	Lower limb	Tibia	Shaft frag	White	3731
			▶ Poor calcination: Medullary cavity. Light grey		
1	Lower limb	Fibula	Shaft frag	White	3732
1	Lower limb	Fibula	Frag of proximal end	White	3733
			▶ Poor calcination: Inside spongy bone. Mid grey		
1	Lower limb	Talus	Frag	White	3734
			▶ Poor calcination: Inside spongy bone, v little. Light grey		
1	Lower limb	Metatarsal bone	Frag of 1st	White	3735
1	Lower limb	Patella	Frag	White	3736
			▶ Poor calcination: Inside spongy bone. Mid grey		

Osteological data report for Gilchorn

22.2 Deposit details for 'EQ 225'

Deposit details

Deposit ID: EQ 225
Urn type: Collared urn
Entered: 09/06/2011 19:22:14

Radiocarbon date

Lab number: GrA-18693
BP date: 3370 +/- 60
Cal BC*: 1510 - 1880

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 145g
Extraneous material: 1g
Est. inclusion 2-5mm: 0g (0%)
Total human bone: 144g
Human bone weights by sieving fraction:
>10mm: 142g
5-10mm: 0g
2-5mm: 2g

Largest cranial and post cranial fragments

49.96mm Occipital
44.4mm Lumbar vertebrae

Identified bone fragments

Total identified bone: 144g (100%)
No. of ident. fragments: 28
Mean ident. fragment: 5.14g
Identified fragment weights by body element:
Skull: 74g
Axial: 67g
Lower limb: 3g
Upper limb: 0g

Pyre inferences

Poorly calcined fragments: 2 (7%)
Turquoise staining: 12 (43%)

Osteological data report for Gilchorn

22.4.1 Individuals in 'EQ 225'

No. Sex Age

1	??	Adult	Probably at least 30s.	Schmorl's nodes.
Ageing indicator	Occipital	Lambd suture obliterated internally		
Pathology	Thoracic vertebra	Schmorl's nodes		
Sexing indicator	Occipital	Thickness at cruciform em. 10.98		

22.4.2 Pyre goods in 'EQ 225'

Quantity Material Typology/classification Description

22.4.3 Inclusions in 'EQ 225'

Weight (g) Inclusion type

22.4.4 Bone fragments in 'EQ 225'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
2	Skull	Unspecified	Skull vault	White	3594
2	Skull	Parietal	Skull vault	White	3595
			► Specks: In break. Pale green/turquoise		
1	R Skull	Temporal bone	Temporal dome	White	3596
1	R Skull	Zygomatic	Frontal process	White	3597
1	R Skull	Maxilla	Frag w frontal process	White	3598
5	Skull	Occipital	Frag, incl transverse sulcus	White	3599
			► Specks: Endocranial, only a few. Pale turquoise		
2	Skull	Occipital	Incl transverse sulcus and cruciform eminence	White	3600
			► Poor calcination: Diploe. Light grey, sandwich effect		
			► Sexing indicator: . Thickness at cruciform em. 10.98		
			► Ageing indicator: . Lambd suture obliterated internally		
9	Axial	Thoracic vertebra	Frag of bodies	White	3601
			► Pathology: On at least 3 of bodies. Schmorl's nodes		
5	Axial	Lumbar vertebra	Frag of bodies	White	3602
			► Specks: Few specks here and there. V pale turquoise		

Osteological data report for Glenluce

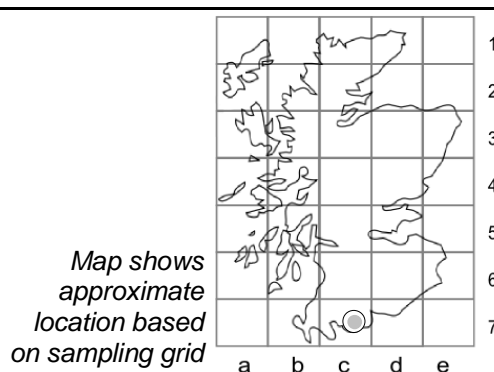
23.1 Site details for Glenluce

Classification and identification

Site type: Flat cemetery
Canmore ref: 61300
Excavated:
Deposits: 2

Location

Local authority: Dumfries and Galloway
Easting: 211919
Northing: 553601



Minimum number of individuals (MNI)

MNI: 2

Males:	Adult: 1
Females: 1	Child/adolescent: 1
	Infant:

Osteological data report for Glenluce

23.2 Deposit details for 'BHA 155'

Deposit details

Deposit ID: BHA 155
Urn type: Bucket urn
Entered: 22/07/2010 11:39:12

Radiocarbon date

Lab number: GrA-18304
BP date: 3210 +/- 60
Cal BC*: 1310 - 1630

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent: 1
Adult:

Composition of deposit by weight

Total initial weight: 242g
Extraneous material: 99g
Est. inclusion 2-5mm: 0g (0%)
Total human bone: 143g
Human bone weights by sieving fraction:
>10mm: 113g
5-10mm: 25g
2-5mm: 5g

Largest cranial and post cranial fragments

55.36mm Unspecified
56.46mm Femur

Identified bone fragments

Total identified bone: 67g (47%)
No. of ident. fragments: 42
Mean ident. fragment: 1.6g
Identified fragment weights by body element:
Skull: 60g
Axial: 0g
Lower limb: 0g
Upper limb: 7g

Pyre inferences

Poorly calcined fragments: (%)
Turquoise staining: (%)

Osteological data report for Glenluce

23.2.1 Individuals in 'BHA 155'

No.	Sex	Age		
1	??	Child/adolescent	Age is at least under 16.	None identified
	Ageing indicator	Tibia	Epiphysis unfused, age under 14-20	
	Ageing indicator	Tibia	Epiphysis unfused, age under 14-18	
	Ageing indicator	Tibia	Epiphysis unfused, age under 14-18	
	Ageing indicator	Femur	Epiphyses unfused, age under 14-19	
	Ageing indicator	Humerus	Epiphysis unfused, age under 11-18	
	Ageing indicator	Ischium	Epiphysis unfused, age under 13-16	
	Ageing indicator	Ischium	Epiphysis unfused, age under 13-16	
	Ageing indicator	Scapula	Glenoid fossa appears unfused, age less than 16-18	
	Ageing indicator	Radius	Distal radius unfused, age under 14-20	
	Ageing indicator	Humerus	Appears unfused, suggests age less than 14-21	
	Ageing indicator	Parietal	Sutures open	
	Ageing indicator	Parietal	Sutures open	
	Ageing indicator	Unspecified	Sutures open	

23.2.2 Pyre goods in 'BHA 155'

Quantity Material Typology/classification Description

23.2.3 Inclusions in 'BHA 155'

Weight (g) Inclusion type

55 Stone (coal)

23.2.4 Bone fragments in 'BHA 155'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
1	R Skull	Maxilla	Fragment of alveolar process	White	1098
16	Skull	Unspecified	Skull vault	White	1099
			▶ Ageing indicator: Sutures. Sutures open		
2	Skull	Parietal	Skull vault	White	1100
			▶ Ageing indicator: Sutures. Sutures open		
1	L Skull	Temporal bone	Fragment of petrous part	White	1101
2	Skull	Wormian bone	Small wormian bones	White	1102
2	Skull	Parietal	Skull vault	White	1103
			▶ Ageing indicator: Sutures. Sutures open		
1	R Skull	Temporal bone	Petrous part	White	1104
1	Skull	Occipital	Skull vault	White	1105
1	L Skull	Mandible	Fragment of body, goneal angle	White	1106
1	Upper limb	Humerus	Head, fragmented	White	1107
			▶ Ageing indicator: Head of humerus. Appears unfused, suggests age less than 14-21		
1	R Upper limb	Radius	Fragment of distal radius	White	1108
			▶ Ageing indicator: Distal end. Distal radius unfused, age under 14-20		
1	L Upper limb	Scapula	Fragment of glenoid fossa	White	1109

Osteological data report for Glenluce

23.2.4 Bone fragments in 'BHA 155'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Ageing indicator: Glenoid fossa. Glenoid fossa appears unfused, age less than 16-18		
5	Skull	Unspecified	Maxilla or other facial skeleton	White	1110
1	R Lower limb	Ischium	Ischium with part of acetabulum	White	1111
			▶ Ageing indicator: Ischial epiphysis for tuberosity. Epiphysis unfused, age under 13-16		
1	L Lower limb	Ischium	Ischium with part of acetabulum	White	1112
			▶ Ageing indicator: Ischial epiphysis for tuberosity. Epiphysis unfused, age under 13-16		
1	L Upper limb	Humerus	Distal end of humerus, fragment	White	1113
			▶ Ageing indicator: Distal epiphysis. Epiphysis unfused, age under 11-18		
1	L Lower limb	Femur	Proximal end	White	1114
			▶ Ageing indicator: Head and greater trochanter. Epiphyses unfused, age under 14-19		
1	L Lower limb	Tibia	Distal end	White	1115
			▶ Ageing indicator: Distal epiphysis. Epiphysis unfused, age under 14-18		
1	R Lower limb	Tibia	Distal end	White	1116
			▶ Ageing indicator: Distal epiphysis. Epiphysis unfused, age under 14-18		
1	R Lower limb	Tibia	Proximal end	White	1117
			▶ Ageing indicator: Proximal epiphysis. Epiphysis unfused, age under 14-20		

Osteological data report for Glenluce

23.2 Deposit details for 'BHA 154'

Deposit details

Deposit ID: BHA 154
Urn type: Bucket urn
Entered: 22/07/2010 15:41:35

Radiocarbon date

Lab number:
BP date: +/-
Cal BC*: -

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female: 1
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 163g
Extraneous material: 13g
Est. inclusion 2-5mm: 0g (0%)
Total human bone: 150g
Human bone weights by sieving fraction:
>10mm: 52g
5-10mm: 65g
2-5mm: 33g

Largest cranial and post cranial fragments

36.35mm Temporal
mm

Identified bone fragments

Total identified bone: 47g (31%)
No. of ident. fragments: 43
Mean ident. fragment: 1.09g
Identified fragment weights by body element:
Skull: 47g
Axial: 0g
Lower limb: 0g
Upper limb: 0g

Pyre inferences

Poorly calcined fragments: 38 (88%)
Turquoise staining: (%)

Osteological data report for Glenluce

23.4.1 Individuals in 'BHA 154'

No.	Sex	Age	Adolescent/adult. If adolescent, sex is ??	None identified
1	?F	Adult		
	Ageing indicator	Unspecified	Sutures open	
	Sexing indicator	Temporal bone	Mastoid process scores 2, ?female	
	Sexing indicator	Frontal bone	Supraorbital margin scores 2, ?female	

23.4.2 Pyre goods in 'BHA 154'

Quantity	Material	Typology/classification	Description
1	Animal bone		Thin, suggested rib, 1 g
1	Animal bone		Tooth? Not fully formed root
1	Animal bone		Longbone w. Drilled groove, could be human?

23.4.3 Inclusions in 'BHA 154'

Weight (g)	Inclusion type
3	Pottery
1	Charcoal

23.4.4 Bone fragments in 'BHA 154'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
1	R Skull	Temporal bone	Lateral fragment of petrous part	White	1118
2	Skull	Temporal bone	Fragments of mastoid process, small	White	1119
38	Skull	Unspecified	Skull vault fragments, small	White	1120
			▶ Ageing indicator: Sutures. Sutures open		
			▶ Poor calcination: Both ecto- and endocranially. Areas of poor calcination on some bones		
1	Skull	Frontal bone	Fragment of supraorbital margin	White	1121
			▶ Sexing indicator: Supraorbital margin. Supraorbital margin scores 2, ?female		
1	Skull	Temporal bone	Mastoid process	White	1122
			▶ Sexing indicator: Mastoid process. Mastoid process scores 2, ?female		

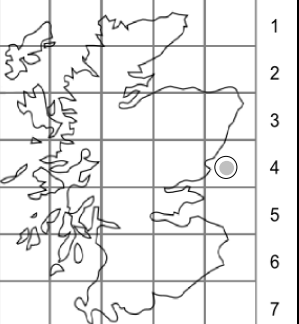
Osteological data report for Graham's Firth

24.1 Site details for Graham's Firth

Classification and identification

Site type: Flat, single
Canmore ref: 35820
Excavated:
Deposits: 1

Location

Local authority: Angus	
Easting: 361210	
Northing: 754397	
<i>Map shows approximate location based on sampling grid</i>	

Minimum number of individuals (MNI)

MNI: 1	
Males: 1	Adult: 1
Females:	Child/adolescent:
	Infant:

Osteological data report for Graham's Firth

24.2 Deposit details for 'EA 139'

Deposit details

Deposit ID: EA 139
Urn type: Collared urn
Entered: 21/07/2011 19:32:58

Radiocarbon date

Lab number:
BP date: 0 +/- 0
Cal BC*: 0 - 0

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male: 1
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 436g
Extraneous material: 18g
Est. inclusion 2-5mm: 2g (20%)
Total human bone: 416g
Human bone weights by sieving fraction:
>10mm: 323g
5-10mm: 86g
2-5mm: 9g

Largest cranial and post cranial fragments

46.55mm Occipital
64.67mm Femur

Identified bone fragments

Total identified bone: 175g (42%)
No. of ident. fragments: 73
Mean ident. fragment: 2.4g
Identified fragment weights by body element:
Skull: 87g
Axial: 6g
Lower limb: 50g
Upper limb: 32g

Pyre inferences

Poorly calcined fragments: 20 (27%)
Turquoise staining: (%)

Osteological data report for Graham's Firth

24.2.1 Individuals in 'EA 139'

No. Sex Age

1 ?M Adult

Ageing indicator Unspecified Thickness suggests adult
Sexing indicator Frontal bone Supraorbital margin scores 5, male

24.2.2 Pyre goods in 'EA 139'

Quantity Material Typology/classification Description

24.2.3 Inclusions in 'EA 139'

Weight (g) Inclusion type

24.2.4 Bone fragments in 'EA 139'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
16	Skull	Unspecified	Skull vault ▶ Ageing indicator: . Thickness suggests adult	White	5826
10	Skull	Unspecified	Skull vault ▶ Poor calcination: Diploe. Light grey, sandwich effect	White	5827
4	Skull	Unspecified	Skull vault ▶ Specks: Both endo- and ectocranial surfaces. Pale green ▶ Poor calcination: Diploe. Light grey, sandwich effect	White	5828
1	Skull	Occipital	Skull vault	White	5829
4	Skull	Parietal	Skull vault, incl parietal striae	White	5830
1	Skull	Parietal	Skull vault ▶ Poor calcination: Diploe. Light grey, sandwich effect	White	5831
5	Skull	Temporal bone	Frag of mastoid process and thereabouts	White	5832
1	Skull	Zygomatic	Frag	White	5833
1	R Skull	Zygomatic	Frontal process	White	5834
1	R Skull	Frontal bone	Supraorbital margin ▶ Sexing indicator: . Supraorbital margin scores 5, male ▶ Specks: Endocranial surface. Pale green	White	5835
4	Skull	Mandible	Frag of body w alveoli	White	5836
2	Skull	Mandible	Frag of body	White	5837
1	Axial	Axis vertebra	Dens	White	5838
1	Axial	Thoracic vertebra	Sup art facet	White	5839
2	Axial	Thoracic vertebra	Frag of bodies ▶ Poor calcination: Inside spongy bone. Light grey	White	5840
4	Upper limb	Humerus	Shaft frags	White	5841
1	Upper limb	Humerus	Shaft frag	White	5842
2	Upper limb	Ulna	Shaft frags	White	5843
1	Upper limb	Radius	Shaft frag	White	5844
1	Upper limb	Hand phalanges	Frag, proximal	White	5845

Osteological data report for Graham's Firth

24.2.4 Bone fragments in 'EA 139'

<u>Qty</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Upper limb	Hand phalanges	Frag, distal	White	5846
6	Lower limb	Femur	Shaft frags	White	5847
2	Lower limb	Tibia	Shaft frags	White	5848
			▶ Poor calcination: Medullary cavity. Light grey		
1	Lower limb	Patella	Frag	White	5849
			▶ Poor calcination: Streak inside spongy bone. Mid grey		

Osteological data report for Haddo House Estates

25.1 Site details for Haddo House Estates

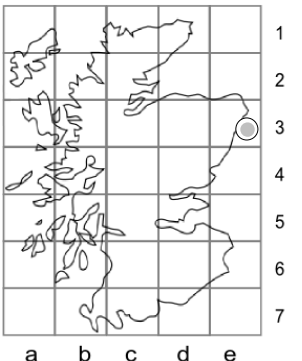
Classification and identification

Site type:	Unknown
Canmore ref:	19814
Excavated:	
Deposits:	2

Location

Local authority:	Aberdeenshire
Easting:	386801
Northing:	834706

Map shows approximate location based on sampling grid



Minimum number of individuals (MNI)

MNI:	5	
Males:	1	Adult: 2
Females:	1	Child/adolescent: 2
		Infant: 1

Osteological data report for Haddo House Estates

25.2 Deposit details for 'EA 190'

Deposit details

Deposit ID: EA 190
Urn type: Cordoned urn
Entered: 03/06/2011 09:10:26

Radiocarbon date

Lab number:
BP date: +/-
Cal BC*: -

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 2
Individuals by sex:
Male: 1
Female: 1
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 2

Composition of deposit by weight

Total initial weight: 3100g
Extraneous material: 219g
Est. inclusion 2-5mm: 73g (30%)
Total human bone: 2808g
Human bone weights by sieving fraction:
>10mm: 1738g
5-10mm: 899g
2-5mm: 244g

Largest cranial and post cranial fragments

66.58mm Parietal
60.96mm Femur

Identified bone fragments

Total identified bone: 654g (23%)
No. of ident. fragments: 464
Mean ident. fragment: 1.41g
Identified fragment weights by body element:
Skull: 372g
Axial: 42g
Lower limb: 150g
Upper limb: 90g

Pyre inferences

Poorly calcined fragments: 134 (29%)
Turquoise staining: 21 (5%)

Osteological data report for Haddo House Estates

25.2.1 Individuals in 'EA 190'

No.	Sex	Age		
1	?M	Adult		Marginal lipping in thoracic vertebrae
	Ageing indicator	Dentition	Mand 3rd molar fully formed, age over 21	
	Ageing indicator	Dentition	Max 3rd molar fully formed, age over 21	
	Ageing indicator	Dentition	Max 3rd molar fully formed, age over 21	
	Ageing indicator	Occipital	Sutures open	
	Ageing indicator	Parietal	Sutures open	
	Duplicate	Mandible		
	Duplicate	Temporal bone		
	Pathology	Thoracic vertebra	Marginal lipping	
	Sexing indicator	Frontal bone	Supraorbital margin scores 4, ?male	
	Sexing indicator	Frontal bone	Supraorbital margin scores 4-5, ?male or male	
	Sexing indicator	Mandible	Large and robust, ?male	
2	?F	Adult		
	Ageing indicator	Parietal	Sag suture obliterated internally and closing ext	
	Duplicate	Mandible	Not really, but size difference to other asc ramus	
	Duplicate	Temporal bone		
	Sexing indicator	Mandible	Delicate, gives female impression	
	Sexing indicator	Mandible	Quite small and slender, ?female	

25.2.2 Pyre goods in 'EA 190'

Quantity Material Typology/classification Description

25.2.3 Inclusions in 'EA 190'

Weight (g) Inclusion type

25.2.4 Bone fragments in 'EA 190'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
19	Skull	Temporal bone	Frgs, incl. Parts of mastoid ▶ Poor calcination: Inside bone. Light grey to mid grey	White	3071
1	L Skull	Temporal bone	Petrous part ▶ Duplicate: .	White	3072
1	L Skull	Temporal bone	Petrous part ▶ Duplicate: .	White	3073
1	L Skull	Temporal bone	Frag of mastoid process ▶ Specks: Endocranial. Pale green/turquoise	White	3074
6	Skull	Parietal	Skull vault, incl parietal striae ▶ Ageing indicator: . Sutures open	White	3075
4	Skull	Parietal	Skull vault ▶ Specks: Both endo- and ectocranially. Pale turquoise	White	3076

Osteological data report for Haddo House Estates

25.2.4 Bone fragments in 'EA 190'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Skull	Parietal	Skull vault ▶ Poor calcination: Endocranial. Mid grey	White	3077
4	Skull	Parietal	Skull vault ▶ Stain: Endocranially. Reddish brown, almost slip-like in parts	White	3078
9	Skull	Occipital	Skull vault, incl sulci and border of foramen magn ▶ Poor calcination: Diploe, only on posterior inferior parts. Mid grey, sandwich effect ▶ Ageing indicator: . Sutures open	White	3079
4	Skull	Mandible	Frag of body w alveoli	White	3080
1 R	Skull	Mandible	Frag of ascending ramus w condyle ▶ Duplicate: . Not really, but size difference to other asc ramus	White	3081
1 L	Skull	Mandible	Frag of ascending ramus w condyle ▶ Sexing indicator: . Quite small and slender, ?female	White	3082
1 L	Skull	Mandible	Frag of ascending ramus ▶ Sexing indicator: . Large and robust, ?male	White	3083
1	Skull	Mandible	Frag of body, w mental spines	White	3084
1 R	Skull	Mandible	Frag of condyle ▶ Duplicate: .	White	3085
1 R	Skull	Zygomatic	Frag w frontal process	White	3086
1 L	Skull	Frontal bone	Frag w part of supraorbital margin ▶ Sexing indicator: . Supraorbital margin scores 4-5, ?male or male ▶ Specks: Few specks, just above supraorbital marg, lateral. Pale turquoise	White	3087
1 R	Skull	Frontal bone	Frag w part of supraorbital margin ▶ Sexing indicator: . Supraorbital margin scores 4, ?male ▶ Specks: Laterally on supraorbital margin. Pale turquoise	White	3088
4	Skull	Dentition	Small tooth root frags		3089
8	Skull	Dentition	Frag of mand 1st or 2nd perm molars		3090
4	Skull	Dentition	Frag of max 1st or 2nd perm molars		3091
1	Skull	Dentition	Frag, max 1st perm incisor		3092
1	Skull	Dentition	Frag, mand 1st perm incisor		3093
1	Skull	Dentition	Max perm canine		3094
1	Skull	Dentition	Mand 2nd perm incisor		3095
1	Skull	Dentition	Frag, mand 1st or 2nd perm incisor		3096
1	Skull	Dentition	Mand 2nd premolar		3097
1	Skull	Dentition	Mand 2nd premolar		3098
1	Skull	Dentition	Mand 1st premolar		3099
1	Skull	Dentition	Mand 1st perm molar		3100
1	Skull	Dentition	Max 3rd molar ▶ Ageing indicator: . Max 3rd molar fully formed, age over 21		3101
1	Skull	Dentition	Max 1st perm molar		3102
1	Skull	Dentition	Frag, max 3rd molar		3103

Osteological data report for Haddo House Estates

25.2.4 Bone fragments in 'EA 190'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
			▶ Ageing indicator: . Max 3rd molar fully formed, age over 21		
1	Skull	Dentition	Frag, mand 3rd molar		3104
			▶ Ageing indicator: . Mand 3rd molar fully formed, age over 21		
1	Skull	Parietal	Skull vault	White	3105
			▶ Ageing indicator: . Sag suture obliterated internally and closing ext		
1	Skull	Mandible	Frag of body, gonial angle	White	3106
			▶ Sexing indicator: . Delicate, gives female impression		
11	Skull	Unspecified	Facial skeleton	White	3107
1E	Skull	Unspecified	Skull vault	White	3108
			▶ Stain: Endocranially on a few frags. Red		
11	Skull	Unspecified	Skull vault	White	3109
			▶ Specks: Both endo- and ectocranially. Pale to bright turquoise		
3	Skull	Unspecified	Skull vault	White	3110
			▶ Poor calcination: Diploe. Light to mid grey, sandwich effect		
			▶ Specks: Ectocranially. Pale to bright turquoise		
55	Skull	Unspecified	Skull vault	White	3111
			▶ Poor calcination: Mostly diploe also some ectocranial. Light to dark grey, sandwich effect		
23	Skull	Unspecified	Skull vault	Black	3112
			▶ Poor calcination: Darkest in diploe. Sandwich effect, black/tan also dark grey		
31	Axial	Rib fragments	Shaft frags	White	3113
2	Axial	Atlas vertebra	Frag	White	3114
1	Axial	Axis vertebra	Frag of dens	White	3115
3	Axial	Cervical vertebra	Frag of bodies	White	3116
7	Axial	Cervical vertebra	Frag of neural arches	White	3117
2	Axial	Thoracic vertebra	Frag of bodies	White	3118
			▶ Pathology: . Marginal lipping		
3	Axial	Thoracic vertebra	Frag of neural arches	White	3119
7	Axial	Sacrum	Frag of alae and lower body	White	3120
2	Upper limb	Scapula	Frag	White	3121
1 R	Upper limb	Scapula	Frag of glenoid cavity	White	3122
4	Upper limb	Humerus	Shaft frags	White	3123
2	Upper limb	Humerus	Shaft frags	White	3124
			▶ Poor calcination: Some sandwich effect and also on surface. Light to dark grey		
2	Upper limb	Humerus	Distal end, frags of trochlea	White	3125
2	Upper limb	Clavicle	Frag	White	3126
1	Upper limb	Clavicle	Frag of medial shaft	White	3127
			▶ Poor calcination: Medially. Dark grey		
2	Upper limb	Ulna	Shaft frags	White	3128
			▶ Poor calcination: Medullary cavity. Light to dark grey		
1 R	Upper limb	Ulna	Frag of proximal end, olecranon	White	3129

Osteological data report for Haddo House Estates

25.2.4 Bone fragments in 'EA 190'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			► Poor calcination: Proximally on olecranon, posterior. Light to mid grey		
3	Upper limb	Radius	Shaft frags	White	3130
1	Upper limb	Radius	Frag of head	White	3131
1	Upper limb	Radius	Frag of head	White	3132
1	Lower limb	Navicular	Frag	White	3133
			► Poor calcination: Mostly on surface. Light grey		
1	Upper limb	Pisiform	Almost complete	White	3134
1	Upper limb	Pisiform	Almost complete	White	3135
1	Upper limb	Lunate	Frag	White	3136
1	Upper limb	Lunate	Frag	White	3137
			► Poor calcination: On long facet. Dark grey		
6	Upper limb	Metacarpal	Frag	White	3138
1	Upper limb	Metacarpal	Frag	White	3139
			► Poor calcination: Extensive, most of frag. Mid to dark grey		
21	Upper limb	Hand phalanges	Frag of proximal and intermediate	White	3140
3	Upper limb	Hand phalanges	Frag of proximal and intermediate	White	3141
			► Poor calcination: Extensive on all frags, covers most of them. Light to mid grey		
3	Upper limb	Hand phalanges	Distal phalanges	White	3142
1	Upper limb	Hand phalanges	Distal phalanges	White	3143
			► Poor calcination: Extensive, most of frag. Mid grey		
5	Upper limb	Hand phalanges	Distal phalanges	White	3144
			► Poor calcination: Mostly small areas, base or inside bone. Light to mid grey		
6	Lower limb	Ilium	Frag	White	3145
8	Lower limb	Femur	Shaft frags	White	3146
1	Lower limb	Femur	Frag of head	White	3147
1	Lower limb	Femur	Frag of head	White	3148
7	Lower limb	Femur	Frag of distal end, condyles	White	3149
1	Lower limb	Femur	Frag of distal end, condyle	White	3150
			► Poor calcination: Medially. Light grey		
5	Lower limb	Tibia	Shaft frags	White	3151
1	Lower limb	Fibula	Frag of distal end	White	3152
			► Poor calcination: Inside spongy bone. Mid to dark grey		
1	Lower limb	Talus	Frag	White	3153
1	Lower limb	Calcaneus	Frag of sustentaculum tali	White	3154
1	Lower limb	Intermediate cuneiform	Frag	White	3155
			► Poor calcination: Inside spongy bone. Light grey		
1	Lower limb	Sesamoid bone		White	3156
			► Poor calcination: Articular surface. Mid grey		
1	Lower limb	Medial cuneiform	Frag	White	3157
4	Lower limb	Metatarsal bone	Frag	White	3158
1	Lower limb	Metatarsal bone	Frag	White	3159
			► Poor calcination: Inside spongy bone. Light to mid grey		

Osteological data report for Haddo House Estates

25.2.4 Bone fragments in 'EA 190'

<u>Qty</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Lower limb	Metatarsal bone ► Poor calcination: . Head	Frag	Black	3160
3	Lower limb	Foot phalanges	Frag of proximal and intermediate	White	3161
1	Lower limb	Foot phalanges	Complete distal	White	3162

Osteological data report for Haddo House Estates

25.2 Deposit details for 'EA 191'

Deposit details

Deposit ID: EA 191
Urn type: Uncertain
Entered: 09/06/2011 19:35:09

Radiocarbon date

Lab number:
BP date: +/-
Cal BC*: -

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 3
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant: 1
Child/adolescent: 2
Adult:

Composition of deposit by weight

Total initial weight: 456g
Extraneous material: 26g
Est. inclusion 2-5mm: 14g (40%)
Total human bone: 416g
Human bone weights by sieving fraction:
>10mm: 228g
5-10mm: 166g
2-5mm: 36g

Largest cranial and post cranial fragments

60.05mm Unspecified
70.59mm Humerus

Identified bone fragments

Total identified bone: 178g (43%)
No. of ident. fragments: 202
Mean ident. fragment: 0.88g
Identified fragment weights by body element:
Skull: 92g
Axial: 12g
Lower limb: 45g
Upper limb: 29g

Pyre inferences

Poorly calcined fragments: 3 (1%)
Turquoise staining: 11 (5%)

Osteological data report for Haddo House Estates

25.4.1 Individuals in 'EA 191'

No. Sex Age

1	??	Child/adolescent	C. 6-12 years.
Ageing indicator	Mandible	Small, child	
Ageing indicator	Dentition	Mand 2nd premolar unerupted, age c. 6-12	
Ageing indicator	Frontal bone	V small and thin, child	
Ageing indicator	Occipital	Small and delicate, child	
2	??	Foetal/infant	Infant under 4.
Ageing indicator	Ischium	Ischiopubic ramus unfused, age under 5-8	
Ageing indicator	Cervical vertebra	Neural arch not fused to body, age under 4	
3	??	Child/adolescent	Adolescent, prob under 20.
Ageing indicator	Tibia	Unfused proximal tibia, age under 14-20	
Ageing indicator	Tibia	Proximal tibia unfused, age under 14-20	
Ageing indicator	Tibia	Proximal tibia unfused, age under 14-20	
Ageing indicator	Femur	Femoral head unfused, age under 12-19	
Ageing indicator	Femur	Femoral head unfused, age under 12-19	
Ageing indicator	Femur	Femoral head unfused, age under 12-19	
Ageing indicator	Ilium	Acetabulum does not have adult appearance	
Ageing indicator	Ilium	Small, iliac crest unfused, age under 17-23	
Ageing indicator	Hand phalanges	Bases unfused, age under 14-16	
Ageing indicator	Frontal bone	Larger than from other ind, prob adolescent	
Ageing indicator	Parietal	Lambdoid suture open	
Duplicate	Frontal bone		
Duplicate	Temporal bone		
Duplicate	Temporal bone		
Sexing indicator	Frontal bone	Supraorbital margin scores 2, ?female if not juv	

25.4.2 Pyre goods in 'EA 191'

Quantity Material Typology/classification Description

25.4.3 Inclusions in 'EA 191'

Weight (g) Inclusion type

8 Pottery

25.4.4 Bone fragments in 'EA 191'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1E	Skull	Unspecified	Skull vault	White	3737
6	Skull	Parietal	Skull vault	White	3738
			► Ageing indicator: . Lambdoid suture open		
1	Skull	Occipital	Frag w transverse sulcus	White	3739
2	Skull	Occipital	Frag w border of foramen magnum	White	3740
			► Ageing indicator: . Small and delicate, child		

Osteological data report for Haddo House Estates

25.4.4 Bone fragments in 'EA 191'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
9	Skull	Temporal bone	Frag	White	3741
			► Specks: Only on one frag. Pale turquoise		
1	L Skull	Temporal bone	Petrous part	White	3742
1	L Skull	Temporal bone	Petrous part	White	3743
			► Duplicate: .		
1	R Skull	Temporal bone	Petrous part	White	3744
1	R Skull	Temporal bone	Petrous part	White	3745
			► Duplicate: .		
1	L Skull	Zygomatic	Frontal process	White	3746
2	Skull	Maxilla	Frag of alveolar process w alveoli	White	3747
3	Skull	Maxilla	Frag, incl sinus	White	3748
1	R Skull	Frontal bone	Frag of supraorbital margin	White	3749
			► Ageing indicator: . V small and thin, child		
1	R Skull	Frontal bone	Frag of supraorbital margin	White	3750
			► Duplicate: .		
			► Ageing indicator: . Larger than from other ind, prob adolescent		
			► Sexing indicator: . Supraorbital margin scores 2, ?female if not juv		
1	Skull	Dentition	Frag of max 1st or 2nd perm molar root		3751
1	Skull	Dentition	Frag of mand perm canine root		3752
1	Skull	Dentition	Frag of unerupted crown		3753
1	Skull	Dentition	Frag of unerupted crown, mand 2nd premolar		3754
			► Ageing indicator: . Mand 2nd premolar unerupted, age c. 6-12		
31	Axial	Rib fragments	Shaft frags	White	3755
1	Axial	Cervical vertebra	Frag of body	White	3756
1	Axial	Thoracic vertebra	Sup art facet	White	3757
1	Axial	Sacrum	Frag	White	3758
1	Axial	Cervical vertebra	Frag of unfused neural arch	White	3759
			► Ageing indicator: . Neural arch not fused to body, age under 4		
1	Skull	Mandible	Frag of condyle	White	3760
			► Ageing indicator: . Small, child		
1	Axial	Sternum	Frag	White	3761
1	Upper limb	Clavicle	Frag	White	3762
			► Poor calcination: Inside bone. Mid grey, sandwich effect		
6	Upper limb	Humerus	Shaft frags	White	3763
1	Upper limb	Humerus	Frag of distal end, trochlea	White	3764
3	Upper limb	Ulna	Shaft frags	White	3765
2	Upper limb	Hand phalanges	Intermediate, frags	White	3766
			► Ageing indicator: . Bases unfused, age under 14-16		
2	Lower limb	Ilium	Frag of blade	White	3767

Osteological data report for Haddo House Estates

25.4.4 Bone fragments in 'EA 191'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Ageing indicator: . Small, iliac crest unfused, age under 17-23		
			▶ Specks: On surface. Pale turquoise		
3	Lower limb	Ilium	Frag of acetabulum	White	3768
			▶ Ageing indicator: . Acetabulum does not have adult appearance		
2	Lower limb	Ilium	Frag	White	3769
1	Lower limb	Ischium	Frag	White	3770
			▶ Ageing indicator: . Ischiopubic ramus unfused, age under 5-8		
1	Lower limb	Femur	Frag of proximal end	White	3771
			▶ Ageing indicator: . Femoral head unfused, age under 12-19		
1	Lower limb	Femur	Frag of proximal end	White	3772
			▶ Ageing indicator: . Femoral head unfused, age under 12-19		
1	Lower limb	Femur	Frag of proximal end	White	3773
			▶ Ageing indicator: . Femoral head unfused, age under 12-19		
1	Lower limb	Femur	Frag of distal end, condyles	White	3774
1	Lower limb	Femur	Frag of distal end, condyles	White	3775
1	Lower limb	Femur	Frag of condyle	White	3776
1	Lower limb	Tibia	Frag of proximal tibia	White	3777
			▶ Ageing indicator: . Proximal tibia unfused, age under 14-20		
			▶ Poor calcination: On epiphyseal surface. Mid grey		
1	Lower limb	Tibia	Frag of proximal tibia	White	3778
			▶ Ageing indicator: . Proximal tibia unfused, age under 14-20		
			▶ Poor calcination: On epiphyseal surface and inside spongy bone. Mid grey		
1	Lower limb	Tibia	Frag of proximal tibia	White	3779
			▶ Ageing indicator: . Unfused proximal tibia, age under 14-20		
1	Lower limb	Fibula	Frag of shaft	White	3780

Osteological data report for Hangingshaw Plantation

26.2 Deposit details for 'EA 161'

Deposit details

Deposit ID: EA 161
Urn type: Collared urn
Entered: 28/06/2011 18:52:40

Radiocarbon date

Lab number:
BP date: 0 +/- 0
Cal BC*: 0 - 0

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 2
Individuals by sex:
Male: 1
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent: 1
Adult: 1

Composition of deposit by weight

Total initial weight: 1199g
Extraneous material: 55g
Est. inclusion 2-5mm: 10g (30%)
Total human bone: 1134g
Human bone weights by sieving fraction:
>10mm: 754g
5-10mm: 357g
2-5mm: 33g

Largest cranial and post cranial fragments

44.49mm Mandible
85.15mm Radius

Identified bone fragments

Total identified bone: 298g (26%)
No. of ident. fragments: 142
Mean ident. fragment: 2.1g
Identified fragment weights by body element:
Skull: 45g
Axial: 24g
Lower limb: 132g
Upper limb: 97g

Pyre inferences

Poorly calcined fragments: 41 (29%)
Turquoise staining: 7 (5%)

Osteological data report for Hangingshaw Plantation

26.2.1 Individuals in 'EA 161'

No. Sex Age

1	?M	Adult		
Ageing indicator	Ilium	Iliac crest fully fused, age over 17-23		
Ageing indicator	Thoracic vertebra	Annular rings fused, age over mid 20s		
Sexing indicator	Mandible	Mental eminence scores 4, ?male		
Sexing indicator	Frontal bone	Supraorbital margin scores 5, male		
2	??	Child/adolescent	Age less than 14-16.	
Ageing indicator	Hand phalanges	Base unfused, age under 14-16		
Ageing indicator	Hand phalanges	Base unfused, age under 14-16		
Duplicate	Mandible	Smaller, more delicate than other frag		

26.2.2 Pyre goods in 'EA 161'

Quantity Material Typology/classification Description

26.2.3 Inclusions in 'EA 161'

Weight (g) Inclusion type

4 Pottery

26.2.4 Bone fragments in 'EA 161'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
3	Skull	Unspecified	Skull vault ▶ Poor calcination: Diploe. Mid grey, sandwich effect	White	5141
14	Skull	Unspecified	Skull vault, small frags	White	5142
1	Skull	Parietal	Skull vault, small frag ▶ Poor calcination: Diploe. Mid grey, sandwich effect	White	5143
3	Skull	Unspecified	Facial skeleton ▶ Poor calcination: Widespread. Light to mid grey	White	5144
7	Skull	Temporal bone	Frags ▶ Poor calcination: Inside bones. Light grey ▶ Specks: Few specks here and there. Pale turquoise	White	5145
1	L Skull	Zygomatic	Frag ▶ Poor calcination: Inside bone. Light grey, sandwich effect	White	5146
2	L Skull	Frontal bone	Supraorbital margin ▶ Sexing indicator: . Supraorbital margin scores 5, male ▶ Poor calcination: Inside bone. Light grey, sandwich effect ▶ Other: . The 2 frags have been glued together and labeled	White	5147
1	Skull	Mandible	Frag of body	White	5148
1	Skull	Mandible	Frag of body w alveoli	White	5149
1	Skull	Mandible	Frag of body w alveoli and mental spines	White	5150

Osteological data report for Hangingshaw Plantation

26.2.4 Bone fragments in 'EA 161'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Sexing indicator: . Mental eminence scores 4, ?male		
			▶ Poor calcination: Inside bone. Mid grey, sandwich effect		
1	Skull	Mandible	Frag of body w mental spines	White	5151
			▶ Duplicate: . Smaller, more delicate than other frag		
5	Skull	Dentition	Small tooth root frags		5152
1	Skull	Dentition	Frag, max 1st perm incisor		5153
1	Skull	Dentition	Max perm canine		5154
1	Skull	Dentition	Frag of mand 1st or 2nd perm molar		5155
13	Axial	Rib fragments	Shaft frags	White	5156
1	Upper limb	Radius	Shaft frag	White	5157
			▶ Poor calcination: Inside spongy bone. Light grey		
4	Axial	Thoracic vertebra	Frag of bodies	White	5158
			▶ Ageing indicator: . Annular rings fused, age over mid 20s		
1	Axial	Thoracic vertebra	Transverse process	White	5159
			▶ Poor calcination: Surface of bone. Mid grey		
1	Axial	Lumbar vertebra	Frag of body and sup art facet	White	5160
			▶ Poor calcination: Sup art facet, surface. Mid grey		
1	Axial	Thoracic vertebra	Spinous process	White	5161
2	Axial	Sacrum	Frag of bodies	White	5162
1	Upper limb	Scapula	Frag	White	5163
1	Upper limb	Scapula	Frag w small part of glenoid fossa	White	5164
1	Upper limb	Humerus	Frag of proximal shaft and small part of head	White	5165
			▶ Poor calcination: Inside spongy bone in head. Mid grey		
2	Upper limb	Humerus	Shaft frags	White	5166
			▶ Poor calcination: Inside bone. Light to mid grey, sandwich effect		
1	Upper limb	Humerus	Frag of distal shaft	White	5167
4	Upper limb	Ulna	Shaft frags	White	5168
2	Upper limb	Ulna	Shaft frags	White	5169
			▶ Poor calcination: Inside bone. Light grey, sandwich effect		
2	Upper limb	Radius	Shaft frags	White	5170
1	Upper limb	Radius	Shaft frag	White	5171
			▶ Poor calcination: Inside bone. Light grey, sandwich effect		
1	Upper limb	Radius	Frag of distal end	White	5172
1	Upper limb	Hamate	Frag	White	5173
1	Upper limb	Lunate	Frag	White	5174
6	Upper limb	Metacarpal	Frag	White	5175
1	Upper limb	Triquetral	Complete bone	White	5176
11	Upper limb	Hand phalanges	Frag and complete, proximal and intermediate	White	5177
3	Upper limb	Hand phalanges	Frag, proximal and intermediate	White	5178
4	Upper limb	Hand phalanges	Complete, distal	White	5179

Osteological data report for Hangingshaw Plantation

26.2.4 Bone fragments in 'EA 161'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Upper limb	Hand phalanges	Frag of distal 1st ▶ Ageing indicator: . Base unfused, age under 14-16	White	5180
1	Upper limb	Hand phalanges	Frag of proximal or intermediate ▶ Ageing indicator: . Base unfused, age under 14-16	White	5181
1	Upper limb	Humerus	Frag of distal end, trochlea	White	5182
1	Axial	Sacrum	Frag of body, S1 or S2	White	5183
1	Lower limb	Ilium	Frag ▶ Poor calcination: Inside spongy bone. Light grey	White	5184
1	Lower limb	Ilium	Frag of ilac crest ▶ Ageing indicator: . Iliac crest fully fused, age over 17-23	White	5185
1	Lower limb	Ilium	Frag of acetabulum	White	5186
1	Lower limb	Ischium	Frag w part of ischial tuberosity ▶ Poor calcination: Inside ischial tuberosity. Mid grey	White	5187
7	Lower limb	Femur	Shaft frags ▶ Poor calcination: Inside bone. Light to mid grey, sandwich effect	White	5188
3	Lower limb	Femur	Shaft frags	White	5189
1	Lower limb	Femur	Shaft frag, distal shaft	White	5190
1	Lower limb	Femur	Shaft frag ▶ Cremation slag: Surface of bone. Sandy, grainy matter adhering to bone	White	5191
1	Lower limb	Femur	Frag of distal end	White	5192
1	Lower limb	Patella	Frag ▶ Poor calcination: Inside spongy bone. Mid grey	White	5193
1	Lower limb	Patella	Frag ▶ Poor calcination: Inside spongy bone. Light grey	White	5194
3	Lower limb	Tibia	Shaft frags	White	5195
2	Lower limb	Tibia	Shaft frags ▶ Poor calcination: Inside bone. Mid grey, sandwich effect	White	5196
1	Lower limb	Fibula	Shaft frag ▶ Poor calcination: Inside bone. Light grey, sandwich effect	White	5197
3	Lower limb	Fibula	Shaft frags	White	5198
1	Lower limb	Intermediate cuneiform	Frag	White	5199

Osteological data report for Hill of Culsh

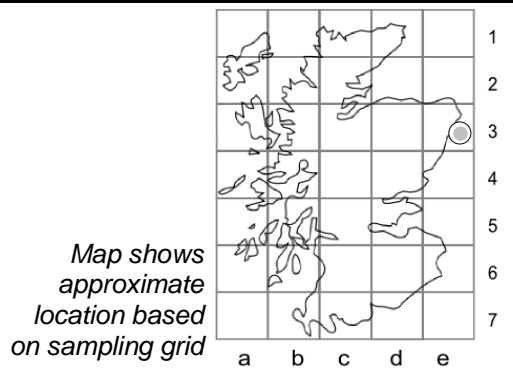
27.1 Site details for Hill of Culsh

Classification and identification

Site type: Flat cemetery
Canmore ref: 19868
Excavated: 1901
Deposits: 1

Location

Local authority: Aberdeenshire
Easting: 387550
Northing: 847554



Minimum number of individuals (MNI)

MNI: 2
Males: 1 Adult: 2
Females: 1 Child/adolescent:
 Infant:

Osteological data report for Hill of Culsh

27.2 Deposit details for 'EQ 264'

Deposit details

Deposit ID: EQ 264
Urn type: Collared urn
Entered: 19/07/2011 19:37:34

Radiocarbon date

Lab number:
BP date: 0 +/- 0
Cal BC*: 0 - 0

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 2
Individuals by sex:
Male: 1
Female: 1
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 2

Composition of deposit by weight

Total initial weight: 743g
Extraneous material: 72g
Est. inclusion 2-5mm: 0g (0%)
Total human bone: 671g
Human bone weights by sieving fraction:
>10mm: 535g
5-10mm: 123g
2-5mm: 13g

Largest cranial and post cranial fragments

51.88mm Occipital
74.85mm Humerus

Identified bone fragments

Total identified bone: 382g (57%)
No. of ident. fragments: 236
Mean ident. fragment: 1.62g
Identified fragment weights by body element:
Skull: 216g
Axial: 47g
Lower limb: 81g
Upper limb: 38g

Pyre inferences

Poorly calcined fragments: 26 (11%)
Turquoise staining: 2 (1%)

Osteological data report for Hill of Culsh

27.2.1 Individuals in 'EQ 264'

No.	Sex	Age			
1	?M	Adult			
	Ageing indicator	Thoracic vertebra		Annular rings fused, age over mid 20s	
	Ageing indicator	Rib fragments		No marked ossification of sternal end, young adult	
	Ageing indicator	Parietal		Lambd suture obliterated internally	
	Ageing indicator	Occipital		Lambd suture obliterated internally	
	Sexing indicator	Frontal bone		Supraorbital margin scores 4-5, ?male	
	Sexing indicator	Occipital		Thickness at cruciform eminence 11.71 mm	
2	?F	Adult			
	Ageing indicator	Ilium		Auricular surface scores at least 3, age over 30	
	Ageing indicator	Rib fragments		Tubercle fused, age over 17-25	
	Duplicate	Frontal bone			
	Duplicate	Zygomatic			
	Sexing indicator	Ilium		Greater sciatic notch scores 4-5, ?female	
	Sexing indicator	Ilium		Greater sciatic notch scores 2, ?female	
	Sexing indicator	Frontal bone		Supraorbital margin scores 2, ?female	

27.2.2 Pyre goods in 'EQ 264'

Quantity	Material	Typology/classification	Description
1	Animal bone		Longbone frag, 2 g

27.2.3 Inclusions in 'EQ 264'

Weight (g)	Inclusion type
66	Pottery

27.2.4 Bone fragments in 'EQ 264'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
64	Skull	Unspecified	Skull vault	White	5604
10	Skull	Unspecified	Skull vault	White	5605
			► Poor calcination: Diploe. Light grey, sandwich effect		
4	Skull	Unspecified	Skull vault	White	5606
			► Specks: Both endo- and ectocranial surfaces. Pale green		
2	Skull	Unspecified	Skull vault	White	5607
			► Stain: Endocranial surface. Pale reddish orange		
			► Specks: Both endo- and ectocranial surface. Pale green		
6	Skull	Occipital	Frag w cruciform eminence and sulci	White	5608
			► Sexing indicator: . Thickness at cruciform eminence 11.71 mm		
			► Poor calcination: Diploe. Light to mid grey, sandwich effect		
			► Ageing indicator: . Lambd suture obliterated internally		
7	Skull	Parietal	Skull vault, incl parietal striae	White	5609
1	Skull	Parietal	Skull vault	White	5610

Osteological data report for Hill of Culsh

27.2.4 Bone fragments in 'EQ 264'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Ageing indicator: . Lambd suture obliterated internally		
2	Skull	Parietal	Skull vault	White	5611
			▶ Specks: Ectocranial surface. Pale green		
3	Skull	Sphenoid	Frag	White	5612
2	Skull	Temporal bone	Frag	White	5613
1 R	Skull	Temporal bone	Petrous part	White	5614
1	Skull	Temporal bone	Frag of mastoid process	White	5615
1 L	Skull	Temporal bone	Frag w mandibular fossa	White	5616
1 L	Skull	Zygomatic	Frontal process	White	5617
1 L	Skull	Zygomatic	Frontal process	White	5618
			▶ Duplicate: .		
3	Skull	Frontal bone	Frag w frontal crest and sinuses	White	5619
1	Skull	Frontal bone	Frag w temporal line	White	5620
1 L	Skull	Frontal bone	Frag of supraorbital margin	White	5621
			▶ Sexing indicator: . Supraorbital margin scores 4-5, ?male		
2 L	Skull	Frontal bone	Adjoining frags of supraorbital margin	White	5622
			▶ Sexing indicator: . Supraorbital margin scores 2, ?female		
			▶ Duplicate: .		
2	Skull	Maxilla	Frag of alveolar process w alveoli and sinus	White	5623
5	Skull	Mandible	Frag of body w alveoli	White	5624
5	Skull	Mandible	Frag of body	White	5625
1 R	Skull	Mandible	Frag of asc ramus w condyle	White	5626
1	Skull	Mandible	Frag of asc ramus	White	5627
2	Skull	Mandible	Frag of body	White	5628
			▶ Specks: Outer surface. Pale green/turquoise		
27	Axial	Rib fragments	Shaft frags	White	5629
1	Axial	Rib fragments	Shaft frag	White	5630
			▶ Poor calcination: Inside bone. Light grey		
1	Axial	Rib fragments	Frag w tubercle	White	5631
			▶ Ageing indicator: . Tubercle fused, age over 17-25		
1	Axial	Rib fragments	Frag w sternal end	White	5632
			▶ Ageing indicator: . No marked ossification of sternal end, young adult		
3	Axial	Cervical vertebra	Frag of bodies	White	5633
1	Axial	Cervical vertebra	Body	White	5634
1	Axial	Cervical vertebra	Frag of neural arch	White	5635
			▶ Poor calcination: Inside bone. Light grey		
10	Axial	Thoracic vertebra	Frag of bodies	White	5636
			▶ Ageing indicator: . Annular rings fused, age over mid 20s		
3	Axial	Thoracic vertebra	Frag of bodies	White	5637
			▶ Ageing indicator: . Appearance, incl pitting suggests mid or old adult		

Osteological data report for Hill of Culsh

27.2.4 Bone fragments in 'EQ 264'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
13	Axial	Thoracic vertebra	Frag of neural arch	White	5638
3	Axial	Lumbar vertebra	Frag of neural arch	White	5639
1	Axial	Sacrum	Frag of S1	White	5640
2	Upper limb	Scapula	Frag	White	5641
5	Upper limb	Humerus	Shaft frags	White	5642
3	Upper limb	Humerus	Frag of distal end, trochlea	White	5643
			▶ Poor calcination: Inside spongy bone. Light grey		
2	Upper limb	Radius	Shaft frags	White	5644
1	Upper limb	Radius	Shaft frag	White	5645
			▶ Poor calcination: Inside bone. Light grey, sandwich effect		
1	Upper limb	Ulna	Shaft frag	White	5646
1	R Upper limb	Ulna	Frag of distal end	White	5647
			▶ Poor calcination: Throughout frag. Light grey		
2	Upper limb	Metacarpal	Frag	White	5648
			▶ Poor calcination: Inside spongy bone. Light grey		
1	Upper limb	Trapezium	Frag	White	5649
			▶ Poor calcination: Inside spongy bone. Light grey		
5	Lower limb	Ilium	Frag	White	5650
1	Lower limb	Ilium	Greater sciatic notch	White	5651
			▶ Sexing indicator: . Greater sciatic notch scores 2, ?female		
1	R Lower limb	Ilium	Frag w greater sciatic notch and auricular surface	White	5652
			▶ Sexing indicator: . Greater sciatic notch scores 4-5, ?female		
			▶ Ageing indicator: . Auricular surface scores at least 3, age over 30		
1	L Lower limb	Ischium	Ischial tuberosity	White	5653
1	Upper limb	Ulna	Frag of proximal shaft	White	5654
5	Lower limb	Femur	Shaft frags	White	5655
3	Lower limb	Tibia	Shaft frags	White	5656
5	Lower limb	Fibula	Shaft frags	White	5657
2	Lower limb	Talus	Frag	White	5658

Osteological data report for Hoprig

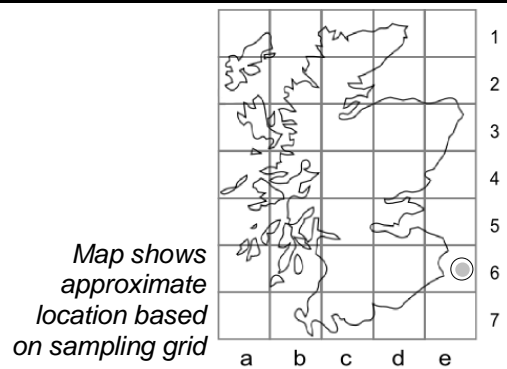
28.1 Site details for Hoprig

Classification and identification

Site type: Cairn
Canmore ref: 58752
Excavated: 1887
Deposits: 1

Location

Local authority: Scottish Borders
Easting: 374939
Northing: 669203



Minimum number of individuals (MNI)

MNI: 1
Males: Adult: 1
Females: Child/adolescent:
Infant:

Osteological data report for Hoprig

28.2 Deposit details for 'EQ 595'

Deposit details

Deposit ID: EQ 595
Urn type: Vase urn
Entered: 14/07/2011 19:04:03

Radiocarbon date

Lab number:
BP date: 0 +/- 0
Cal BC*: 0 - 0

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 218g
Extraneous material: 53g
Est. inclusion 2-5mm: 2g (10%)
Total human bone: 163g
Human bone weights by sieving fraction:
>10mm: 75g
5-10mm: 73g
2-5mm: 17g

Largest cranial and post cranial fragments

32.91mm Unspecified
46.16mm Radius

Identified bone fragments

Total identified bone: 53g (32%)
No. of ident. fragments: 61
Mean ident. fragment: 0.87g
Identified fragment weights by body element:
Skull: 37g
Axial: 2g
Lower limb: 8g
Upper limb: 6g

Pyre inferences

Poorly calcined fragments: 5 (8%)
Turquoise staining: 3 (5%)

Osteological data report for Hoprig

28.2.1 Individuals in 'EQ 595'

No. Sex Age

1	??	Adult	Adult, unspecified age.
Ageing indicator	Temporal bone	Size of petrous part suggests adult	
Ageing indicator	Unspecified	Thickness of vault suggests adult	

28.2.2 Pyre goods in 'EQ 595'

Quantity Material Typology/classification Description

28.2.3 Inclusions in 'EQ 595'

Weight (g) Inclusion type

34	Unburnt human bone
2	Charcoal
1	Flint flake

28.2.4 Bone fragments in 'EQ 595'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
35	Skull	Unspecified	Skull vault ▶ Ageing indicator: . Thickness of vault suggests adult	White	5592
3	Skull	Unspecified	Skull vault ▶ Specks: Endocranial surface. Pale blue/turquoise	White	5593
5	Skull	Unspecified	Skull vault ▶ Poor calcination: Diploe. Light grey, sandwich effect	White	5594
4	Skull	Unspecified	Skull vault ▶ Stain: Endocranial surface. Reddish brown, sliplike	White	5595
5	Skull	Temporal bone	Frag	White	5596
1	L Skull	Temporal bone	Petrous part ▶ Ageing indicator: . Size of petrous part suggests adult	White	5597
2	Axial	Rib fragments	Shaft frags	White	5598
1	Axial	Thoracic vertebra	Frag of body	White	5599
1	Upper limb	Humerus	Shaft frag	White	5600
1	Upper limb	Radius	Shaft frag	White	5601
1	Upper limb	Metacarpal	Frag	White	5602
2	Lower limb	Tibia	Shaft frags	White	5603

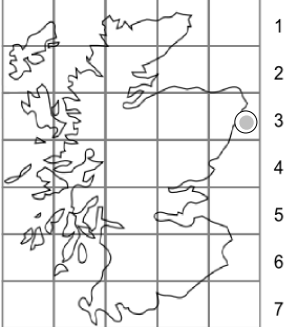
Osteological data report for Howford Farm

29.1 Site details for Howford Farm

Classification and identification

Site type: Flat cemetery
Canmore ref: 20728
Excavated: 1986
Deposits: 2

Location

Local authority: Aberdeenshire	
Easting: 395417	
Northing: 854686	

Map shows approximate location based on sampling grid

Minimum number of individuals (MNI)

MNI: 2		
Males: 2	Adult: 2	
Females:	Child/adolescent:	
	Infant:	

Osteological data report for Howford Farm

29.2 Deposit details for 'Unregistered 1'

Deposit details

Deposit ID: Unregistered 1

Urn type: Uncertain

Entered:

Radiocarbon date

Lab number: GrA-28622

BP date: 3460 +/- 35

Cal BC*: 1680 - 1880

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1

Individuals by sex:

Male: 1

Female:

Individuals by age category:

Foetal/infant:

Child/adolescent:

Adult: 1

Composition of deposit by weight

Total initial weight: 1095g

Extraneous material: 0g

Est. inclusion 2-5mm: 0g (0%)

Total human bone: 1095g

Human bone weights by sieving fraction:

>10mm: 753g

5-10mm: 277g

2-5mm: 65g

Largest cranial and post cranial fragments

98.97mm ?parietal fragment

101.82mm humerus shaft

Identified bone fragments

Total identified bone: 674g (62%)

No. of ident. fragments: 396

Mean ident. fragment: 1.7g

Identified fragment weights by body element:

Skull: 229g

Axial: 50g

Lower limb: 257g

Upper limb: 138g

Pyre inferences

Poorly calcined fragments: 2 (1%)

Turquoise staining: 2 (1%)

Osteological data report for Howford Farm

29.2.1 Individuals in 'Unregistered 1'

No.	Sex	Age		
1	?M	Adult	Probably 19-40,	Third molar missing.
	Ageing indicator	Pubis	Stage 2, 19-40 if female, 19-34 if male	
	Ageing indicator	Ilium	fully fused	
	Ageing indicator	Parietal	sutures open	
	Ageing indicator	Unspecified	sutures open	
	Ageing indicator	Mandible	third molar missing?	
	Ageing indicator	Cervical vertebra	Annular rings fused	
	Ageing indicator	Maxilla	No sign of tooth loss.	
	Ageing indicator	Maxilla	sutures at least partially open	
	Ageing indicator	Maxilla	Third molar not erupted?	
	Ageing indicator	Cervical vertebra	no lipping	
	Ageing indicator	Parietal	sutures open	
	Ageing indicator	Unspecified	sutures open	
	Ageing indicator	Temporal bone	sutures open	
	Ageing indicator	Unspecified	sutures open	
	Ageing indicator	Sacrum	superior annular ring fused	
	Ageing indicator	Sacrum	inferior annular ring unfused or fusing	
	Ageing indicator	Ilium	iliac crest completely fused	
	Duplicate	Patella	possible duplicate	
	Sexing indicator	Frontal bone	bone appears large and robust ?male	
	Sexing indicator	Frontal bone	scores 4 ?male	

29.2.2 Pyre goods in 'Unregistered 1'

Quantity	Material	Typology/classification	Description
1	Animal bone		1 g, ?longbone

29.2.3 Inclusions in 'Unregistered 1'

Weight (g) Inclusion type

29.2.4 Bone fragments in 'Unregistered 1'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
1	L Skull	Sphenoid	part of great wing	White	305
1	Skull	Parietal		White	306
1	Skull	Occipital	with border of the foramen magnum	White	307
1	Skull	Mandible	anterior-medial portion with 3 alveoli	White	308
1	Skull	Mandible	body and ascending ramus	White	309
1	R Upper limb	Humerus	fragment of capitulum	White	310
1	Upper limb	Humerus	fragment of trochlea	White	311
2	Axial	Rib fragments	shaft	White	312
1	Axial	Rib fragments	shaft with neck and tubercle	White	313
1	Lower limb	Femur	fragment of patellar surface	White	314
1	L Lower limb	Metatarsal bone	head and shaft of first	White	315

Osteological data report for Howford Farm

29.2.4 Bone fragments in 'Unregistered 1'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	L Lower limb	Navicular		White	316
1	Lower limb	Femur	fragment of shaft	White	318
1	Skull	Mandible	with part of mental spine	White	319
7	Axial	Rib fragments		White	320
1	Axial	Rib fragments	with tuberosity	White	321
2	Upper limb	Humerus	shaft	White	322
1	L Upper limb	Radius	shaft and distal end	White	323
1	Upper limb	Radius	shaft and distal end	White	324
1	Upper limb	Radius	shaft	White	325
1	Lower limb	Tibia	shaft	White	326
1	Lower limb	Femur	shaft with linea aspera	White	327
1	Lower limb	Metatarsal bone	head and shaft of first	White	328
1	R Skull	Maxilla	Alveolar process, part of palate and all alveoli	White	329
			▶ Ageing indicator: . No sign of tooth loss.		
			▶ Ageing indicator: . Third molar not erupted?		
1	L Skull	Maxilla	Part of alveolar process	White	330
1	Skull	Maxilla	Frontal part with 5 alveoli	White	331
2	Skull	Unspecified	skull vault	White	332
1	Skull	Occipital	with cruciform eminence	White	333
2	Axial	Rib fragments		White	334
3	Upper limb	Humerus	Shaft	White	335
1	L Upper limb	Humerus	distal, with lateral supracondylar ridge.	White	336
2	Lower limb	Femur	distal shaft	White	337
1	Lower limb	Patella	fragment	White	338
2	Lower limb	Tibia	shaft	White	339
1	Lower limb	Tibia	shaft	White	340
1	Lower limb	Tibia	fragment of plateau	White	341
1	Lower limb	Fibula	shaft	White	342
1	R Lower limb	Calcaneus	fragment	White	343
3	Axial	Rib fragments		White	344
1	Upper limb	Hand phalanges	fragment of proximal	White	345
1	R Skull	Temporal bone	petrous portion	White	346
			▶ Specks: on lateral side. pale turquoise		
1	L Skull	Zygomatic		White	347
6	Skull	Unspecified	skull vault,	White	348
1	Skull	Maxilla		White	349
			▶ Ageing indicator: . sutures at least partially open		
1	Skull	Occipital	right occipital condyle	White	350
1	Axial	Axis vertebra		White	351
4	Axial	Rib fragments		White	352
1	L Upper limb	Scapula	part of acromion and spine	White	353
1	Lower limb	Ilium	iliac crest	White	354

Osteological data report for Howford Farm

29.2.4 Bone fragments in 'Unregistered 1'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
			▶ Ageing indicator: . fully fused		
1	Lower limb	Ilium	fragment of acetabulum	White	355
2	Lower limb	Femur	fragment of condyle	White	356
1	Lower limb	Femur	shaft	White	357
1	Lower limb	Patella		White	358
			▶ Poor calcination: anterior surface. poor calcination		
			▶ Duplicate: . possible duplicate		
1	R Lower limb	Foot phalanges	distal first	White	359
2	Lower limb	Metatarsal bone	fragment of first	White	360
1	Lower limb	Metatarsal bone	shaft and base of unknown	White	361
1	Skull	Parietal		White	362
			▶ Ageing indicator: . sutures open		
1	Skull	Unspecified	skull vault	White	363
			▶ Ageing indicator: . sutures open		
1	L Skull	Mandible	part of body and ascending ramus,4 alveoli present	White	364
			▶ Ageing indicator: . third molar missing?		
1	Upper limb	Scapula	fragment of spine	White	365
1	Upper limb	Scapula	fragment of border	White	366
3	Axial	Rib fragments		White	367
1	L Upper limb	Humerus	fragment of distal end	White	368
1	Upper limb	Humerus	fragment of medial epicondyle	White	369
1	Upper limb	Humerus	fragment of capitulum	White	370
1	Upper limb	Radius	shaft	White	371
1	Upper limb	Ulna	part of olecranon process and trochlear notch	White	372
1	Axial	Cervical vertebra	fragment of body and neural arc	White	373
			▶ Ageing indicator: . Annular rings fused		
			▶ Ageing indicator: . no lipping		
1	Axial	Thoracic vertebra	fragment of body	White	374
2	Lower limb	Ilium		White	375
1	Lower limb	Ilium	small part of sciatic notch	White	376
1	Lower limb	Ilium	fragment of acetabulum	White	377
1	Lower limb	Ischium	fragment	White	378
2	Lower limb	Femur	shaft	White	379
1	Lower limb	Femur	fragment of head	White	380
1	L Lower limb	Navicular	fragment	White	381
1	R Lower limb	Navicular	fragment	White	382
1	Lower limb	Metatarsal bone	fragment	White	383
1	Lower limb	Metatarsal bone	fragment	White	384
			▶ Stain: . green/turquoise		
1	R Skull	Frontal bone	with supraorbital margin	White	385

Osteological data report for Howford Farm

29.2.4 Bone fragments in 'Unregistered 1'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Sexing indicator: . scores 4 ?male		
			▶ Sexing indicator: . bone appears large and robust ?male		
1	Skull	Occipital	with foramen magnum	White	387
1	Skull	Parietal		White	388
1	Skull	Unspecified	skull vault	White	389
1	Axial	Rib fragments		White	390
1	Upper limb	Scapula	fragment of body and spine	White	391
1	Upper limb	Humerus	shaft with v small part of the head	White	392
1	Upper limb	Humerus	fragment	White	393
1	Upper limb	Metacarpal	fragment of shaft	White	394
1	Lower limb	Pubis	small fragment of pubic symphysis	White	395
			▶ Ageing indicator: . Stage 2, 19-40 if female, 19-34 if male		
1	Lower limb	Ischium	fragment of ischial tuberosity	White	396
1	Lower limb	Ilium	fragment of acetabulum	White	397
1	Lower limb	Femur	shaft	White	398
1	Lower limb	Femur	femoral head	White	399
4	Lower limb	Femur	shaft	White	400
1	Lower limb	Tibia	tibial plateau	White	401
1	R Lower limb	Fibula	shaft with nutrient foramen	White	402
1	R Lower limb	Fibula	shaft and proximal articular surface	White	403
1	Lower limb	Femur	distal	White	404
1	Lower limb	Cuboid	fragment	White	405
2	Skull	Parietal		White	406
			▶ Ageing indicator: . sutures open		
5	Skull	Unspecified	skull vault	White	407
			▶ Ageing indicator: . sutures open		
1	Skull	Temporal bone		White	408
			▶ Stain: ectocranial surface. light green		
			▶ Ageing indicator: . sutures open		
1	Upper limb	Humerus	shaft	White	409
1	Lower limb	Ilium	fragment of acetabular fossa	White	410
1	Lower limb	Femur	head fragment	White	411
2	Lower limb	Femur	shaft	White	412
1	R Lower limb	Patella	nonarticular side, apex missing	White	413
1	Skull	Maxilla	with maxillary sinus	White	414
1	Skull	Frontal bone	with frontal sinus	White	415
1	Upper limb	Clavicle	fragment of shaft	White	416
1	Axial	Thoracic vertebra	fragment of body and one pedicle	White	417
5	Axial	Rib fragments		White	418
1	Upper limb	Humerus	fragment of head	White	419
1	Upper limb	Humerus	shaft	White	420
1	Upper limb	Radius	distal with ulnar notch	White	421
1	Upper limb	Radius	distal	White	422

Osteological data report for Howford Farm

29.2.4 Bone fragments in 'Unregistered 1'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Upper limb	Metacarpal	shaft	White	423
1	Lower limb	Ilium	preauricular sulcus	White	424
1	Lower limb	Ischium	fragment of ischial tuberosity	White	425
1	Lower limb	Femur	fragment of head	White	426
1	Lower limb	Femur	shaft	White	427
2	Lower limb	Femur	medial or lateral condyle	White	428
1	Lower limb	Fibula	shaft	White	429
1	Lower limb	Metatarsal bone	fragment of base	White	430
1	Lower limb	Lateral cuneiform	fragment	White	431
1	Lower limb	Medial cuneiform	fragment	White	432
			► Poor calcination: . poorly calcined		
1	R Lower limb	Calcaneus	fragment	White	433
1	Skull	Occipital	with internal occipital crest	White	434
1	Skull	Parietal	with parietal striae	White	435
1	L Skull	Temporal bone	petrous portion	White	436
3	Skull	Unspecified	skull vault	White	437
			► Ageing indicator: . sutures open		
1	Upper limb	Scapula	with small part of glenoid fossa	White	438
1	Axial	Rib fragments		White	439
1	L Upper limb	Humerus	head and part of shaft	White	440
1	Upper limb	Humerus	proximal shaft	White	441
2	Upper limb	Humerus	shaft	White	442
1	Upper limb	Ulna	shaft	White	443
1	Upper limb	Radius	fragment of head	White	444
1	Axial	Sacrum	fragment of body with part of an ala	White	445
			► Ageing indicator: . superior annular ring fused		
			► Ageing indicator: . inferior annular ring unfused or fusing		
1	Lower limb	Ilium	fragment of auricular surface	White	446
1	Lower limb	Ilium	fragment of acetabulum	White	447
1	Lower limb	Femur	shaft	White	448
1	L Lower limb	Femur	distal, medial condyle	White	449
1	Lower limb	Femur	part of condyle	White	450
1	Lower limb	Femur	fragment of head	White	451
1	Lower limb	Tibia	fragment of tibial plateau	White	452
1	R Lower limb	Tibia	proximal, medial condyle	White	453
1	Lower limb	Medial cuneiform	fragment	White	454
1	Skull	Unspecified	skull vault	White	455
2	Axial	Rib fragments		White	456
1	Upper limb	Humerus	shaft	White	457
1	Upper limb	Metacarpal	fragment	White	458
1	Upper limb	Metacarpal	fragment of first metacarpal	White	459
1	Lower limb	Pubis	fragment of pubic symphysis	White	460
1	Skull	Parietal	with parietal striae	White	461

Osteological data report for Howford Farm

29.2.4 Bone fragments in 'Unregistered 1'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Skull	Frontal bone	with internal frontal crest	White	462
2	Skull	Unspecified	skull vault	White	463
1	Axial	Lumbar vertebra	fragment of lamina	White	464
1	Lower limb	Ilium	fragment of iliac crest	White	465
		▶ Ageing indicator: . iliac crest completely fused			
1	Lower limb	Tibia	shaft	White	466
3	Skull	Unspecified	skull vault	White	467
1	Upper limb	Clavicle	fragment	White	468
1	Axial	Rib fragments		White	469
1	Upper limb	Humerus	shaft	White	470
1	Lower limb	Femur	shaft	White	471
1	Lower limb	Medial cuneiform	fragment	White	472
1	Lower limb	Navicular	fragment	White	473
2	Skull	Unspecified	skull vault	White	474
1	Skull	Unspecified	skull vault	White	475
1	Skull	Maxilla	with alveoli	White	476
1	Skull	Mandible	fragment of mandibular condyle	White	477
3	Skull	Dentition	tooth root fragments		478
1	Skull	Dentition	root of mandibular permanent canine.		479
1	Skull	Dentition	first or second permanent mandibular molar		480
1	Axial	Thoracic vertebra	superior articular facet	White	481
79	Axial	Rib fragments		White	482
1	Upper limb	Hand phalanges	head of distal	White	483
2	Upper limb	Metacarpal	fragment of head	White	484
1	Upper limb	Metacarpal	fragment of base	White	485
2	Upper limb	Hand phalanges	fragments proximal	White	486
2	Upper limb	Hand phalanges	intermediate	White	487
2	Upper limb	Metacarpal	fragment	White	488
7	Lower limb	Foot phalanges	fragment of proximal	White	489
1	Lower limb	Foot phalanges	fragment of intermediate	White	490
1	Skull	Frontal bone		White	491
		▶ Other: . retained metopic suture			
9	Skull	Unspecified	skull vault	White	492
3	Skull	Unspecified	skull vault	White	493
1	Skull	Mandible	fragment of body, with at least 2 alveoli	White	494
1	Skull	Mandible	fragment of body, with lower portion of alveoli	White	495
1	Skull	Dentition	mandibular first or second permanent molar		496
35	Axial	Rib fragments		White	497
1	Axial	Rib fragments	with sternal end	White	498
1	Axial	Thoracic vertebra	2 pedicles and part of body	White	499
1	L Upper limb	Lunate		White	500

Osteological data report for Howford Farm

29.2.4 Bone fragments in 'Unregistered 1'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	R Upper limb	Lunate		White	501
1	R Upper limb	Triquetral		White	502
1	Upper limb	Metacarpal	fragment of head of third	White	503
1	Upper limb	Metacarpal	fragment	White	504
1	Upper limb	Hand phalanges	proximal fragment	White	505
1	Upper limb	Hand phalanges	fragment of intermediate	White	506
1	Upper limb	Hand phalanges	fragment of proximal or intermediate	White	507
2	Upper limb	Hand phalanges	fragments of intermediate	White	508
1	Lower limb	Tibia	shaft	White	509
		► Stain: . pale blue/green			
1	Lower limb	Metatarsal bone	fragment	White	510
1	Lower limb	Foot phalanges	fragment of distal	White	511
1	R Skull	Dentition	mandibular permanent canine		512
1	Skull	Dentition	fragment of first or second permanent molar		513
1	Skull	Dentition	fragment of second maxillary permanent molar		514
1	Skull	Dentition	small fragment of root		515

Osteological data report for Howford Farm

29.2 Deposit details for 'Unregistered 2'

Deposit details

Deposit ID: Unregistered 2
Urn type: Uncertain
Entered: 20/06/2011 14:36:44

Radiocarbon date

Lab number:
BP date: 0 +/- 0
Cal BC*: 0 - 0

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male: 1
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 1580g
Extraneous material: 1221g
Est. inclusion 2-5mm: 202g (90%)
Total human bone: 156g
Human bone weights by sieving fraction:
>10mm: 73g
5-10mm: 61g
2-5mm: 225g

Largest cranial and post cranial fragments

40.38mm Frontal
38.38mm Radius

Identified bone fragments

Total identified bone: 45g (29%)
No. of ident. fragments: 99
Mean ident. fragment: 0.45g
Identified fragment weights by body element:
Skull: 25g
Axial: 7g
Lower limb: 8g
Upper limb: 5g

Pyre inferences

Poorly calcined fragments: (%)
Turquoise staining: (%)

Osteological data report for Howford Farm

29.4.1 Individuals in 'Unregistered 2'

No. Sex Age

1 ?M Adult

Ageing indicator Ilium Iliac crest fused, age over 17-23
Sexing indicator Frontal bone Supraorbital margin scores 5, male

29.4.2 Pyre goods in 'Unregistered 2'

Quantity Material Typology/classification Description

29.4.3 Inclusions in 'Unregistered 2'

Weight (g) Inclusion type

297 Pottery

3 Charcoal

29.4.4 Bone fragments in 'Unregistered 2'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
18	Skull	Unspecified	Skull vault	White	3338
1	Skull	Unspecified	Facial skeleton	White	3339
1	Skull	Parietal	Skull vault	White	3340
1	R Skull	Frontal bone	Frag w supraorbital margin	White	3341
			▶ Sexing indicator: . Supraorbital margin scores 5, male		
			▶ Stain: . Glabella scores 4, ?male		
2	Skull	Mandible	Frag of body w alveoli	White	3342
1	Skull	Mandible	Frag of body	White	3343
1	Skull	Maxilla	Frag of alveolar process w alveoli	White	3344
12	Skull	Dentition	Small frags of tooth roots		3345
4	Skull	Dentition	Frag of mand 1st or 2nd molars		3346
3	Skull	Dentition	Frag of max 1st or 2nd molars		3347
1	Skull	Dentition	Max perm canine		3348
1	Skull	Dentition	Max 2nd perm incisor		3349
1	Skull	Dentition	Max 1st perm incisor		3350
33	Axial	Rib fragments	Shaft frags	White	3351
1	Axial	Thoracic vertebra	Sup art facet	White	3352
1	Upper limb	Humerus	Frag of distal end, trochlea	White	3353
1	Upper limb	Radius	Shaft frag	White	3354
1	L Upper limb	Ulna	Frag of distal end, styloid process	White	3355
1	Upper limb	Metacarpal	Frag	White	3356
6	Upper limb	Hand phalanges	Frag of proximal and intermediate	White	3357
1	Upper limb	Hand phalanges	Complete distal	White	3358
1	Lower limb	Ilium	Frag of iliac crest	White	3359
			▶ Ageing indicator: . Iliac crest fused, age over 17-23		
1	Lower limb	Femur	Shaft frag	White	3360
1	Lower limb	Tibia	Frag of proximal end, epicondyles	White	3361
1	Lower limb	Fibula	Frag of distal end	White	3362

Osteological data report for Howford Farm

29.4.4 Bone fragments in 'Unregistered 2'

<u>Qty</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Lower limb	Cuboid	Frag	White	3363
1	Lower limb	Sesamoid bone	Frag	White	3364
1	R Upper limb	Hamate	Frag	White	3365

Osteological data report for Kildimmery Quarry

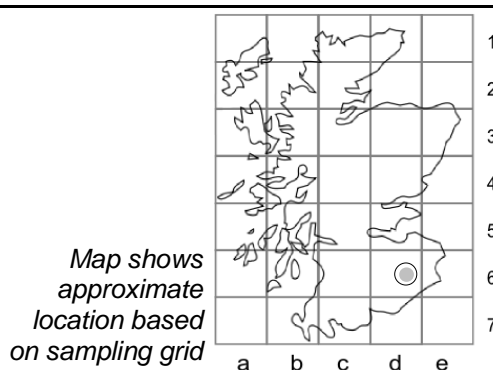
30.1 Site details for Kildimmery Quarry

Classification and identification

Site type: Flat cemetery
Canmore ref: 49183
Excavated: 1926
Deposits: 1

Location

Local authority: West Lothian
Easting: 302302
Northing: 676010



Minimum number of individuals (MNI)

MNI: 1
Males: Adult:
Females: Child/adolescent: 1
Infant:

Osteological data report for Kildimmery Quarry

30.2 Deposit details for 'EA 194'

Deposit details

Deposit ID: EA 194
Urn type: Collared urn
Entered: 29/06/2011 18:58:25

Radiocarbon date

Lab number:
BP date: 0 +/- 0
Cal BC*: 0 - 0

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent: 1
Adult:

Composition of deposit by weight

Total initial weight: 63g
Extraneous material: 32g
Est. inclusion 2-5mm: 1g (50%)
Total human bone: 30g
Human bone weights by sieving fraction:
>10mm: 19g
5-10mm: 10g
2-5mm: 2g

Largest cranial and post cranial fragments

37.5mm Temporal
52.35mm Humerus

Identified bone fragments

Total identified bone: 22g (73%)
No. of ident. fragments: 21
Mean ident. fragment: 1.05g
Identified fragment weights by body element:
Skull: 12g
Axial: 1g
Lower limb: 3g
Upper limb: 6g

Pyre inferences

Poorly calcined fragments: 3 (14%)
Turquoise staining: 3 (14%)

Osteological data report for Kildimmery Quarry

30.2.1 Individuals in 'EA 194'

No. Sex Age

1	??	Child/adolescent	Age c. 6-12 years.
Ageing indicator	Femur	Distal epiphysis small, unfused, age under 14-20	
Ageing indicator	Radius	V thin and delicate, child	
Ageing indicator	Humerus	Small and delicate, child	
Ageing indicator	Unspecified	Frag small and childlike	
Ageing indicator	Maxilla	Frag small and delicate, child	
Ageing indicator	Dentition	Mand 2nd premolar unerupted, age c. 6-12	

30.2.2 Pyre goods in 'EA 194'

Quantity Material Typology/classification Description

30.2.3 Inclusions in 'EA 194'

Weight (g) Inclusion type

2	Charcoal
29	Pottery

30.2.4 Bone fragments in 'EA 194'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Skull	Dentition	Unerupted crown, max 2nd premolar ▶ Ageing indicator: . Mand 2nd premolar unerupted, age c. 6-12		3980
5	Skull	Unspecified	Skull vault ▶ Ageing indicator: . Frags small and childlike	White	3981
3	Skull	Maxilla	Frag w sinuses ▶ Ageing indicator: . Frags small and delicate, child ▶ Specks: In sinus. Pale turquoise	White	3982
1	R Skull	Zygomatic	Frag	White	3983
1	Skull	Temporal bone	Frag of petrous part	Black	3984
1	Skull	Temporal bone	Frag w part of mastoid process	Black	3985
4	Axial	Rib fragments	Shaft frags	White	3986
2	Upper limb	Humerus	Shaft frags ▶ Ageing indicator: . Small and delicate, child	White	3987
1	Upper limb	Radius	Shaft frag ▶ Ageing indicator: . V thin and delicate, child	White	3988
1	Lower limb	Ilium	Frag ▶ Specks: Bone surface. Pale green	White	3989
1	Lower limb	Femur	Unfused distal epiphysis ▶ Ageing indicator: . Distal epiphysis small, unfused, age under 14-20 ▶ Poor calcination: Inside spongy bone. Mid grey	White	3990

Osteological data report for Kingskettle

31.2 Deposit details for 'EQ 348'

Deposit details

Deposit ID: EQ 348
Urn type: Collared urn
Entered: 01/06/2011 11:08:17

Radiocarbon date

Lab number:
BP date: +/-
Cal BC*: -

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female: 1
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 1822g
Extraneous material: 446g
Est. inclusion 2-5mm: 18g (10%)
Total human bone: 1358g
Human bone weights by sieving fraction:
>10mm: 928g
5-10mm: 263g
2-5mm: 185g

Largest cranial and post cranial fragments

48.68mm Unspecified
77.1mm Femur

Identified bone fragments

Total identified bone: 266g (20%)
No. of ident. fragments: 329
Mean ident. fragment: 0.81g
Identified fragment weights by body element:
Skull: 185g
Axial: 81g
Lower limb: 0g
Upper limb: 0g

Pyre inferences

Poorly calcined fragments: 28 (9%)
Turquoise staining: 30 (9%)

Osteological data report for Kingskettle

31.2.1 Individuals in 'EQ 348'

No. Sex Age

1	?F	Adult	Late teens/early 20s.
Ageing indicator	Ilium	Iliac crest fused, age over 17-23	
Ageing indicator	Dentition	Mand 3rd molar unerupted, age under 21	
Ageing indicator	Dentition	Max 3rd molar fully formed, age over 21	
Ageing indicator	Dentition	Max 3rd molar fully formed, age over 21	
Ageing indicator	Parietal	Lambd suture open	
Sexing indicator	Ilium	Scores 4, ?female	
Sexing indicator	Ilium	Scores 4, ?female	
Sexing indicator	Frontal bone	Supraorbital margin scores 1, female	
Sexing indicator	Occipital	Thickness at cruciform eminence 8.16 mm	

31.2.2 Pyre goods in 'EQ 348'

Quantity Material Typology/classification Description

31.2.3 Inclusions in 'EQ 348'

Weight (g) Inclusion type

31.2.4 Bone fragments in 'EQ 348'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
50	Skull	Unspecified	Skull vault	White	4894
4	Skull	Unspecified	Skull vault	White	4895
			► Specks: Endocranial. Pale green/turquoise		
2	Skull	Unspecified	Skull vault	White	4896
			► Stain: Endocranial. Pale red		
			► Specks: Endocranial. Pale green/turquoise		
3	Skull	Parietal	Skull vault	White	4897
2	Skull	Parietal	Skull vault	White	4898
			► Ageing indicator: . Lambd suture open		
5	Skull	Parietal	Skull vault	White	4899
			► Specks: Both endo- and ectocranial. Pale green/turquoise		
5	Skull	Occipital	Skull vault, incl cruciform eminence	White	4900
			► Specks: Both endo- and ectocranial. Pale green/turquoise		
			► Sexing indicator: . Thickness at cruciform eminence 8.16 mm		
1	Skull	Occipital	Occipital condyle	White	4901
			► Poor calcination: Line of grey inside spongy bone. Dark grey		
15	Skull	Unspecified	Facial skeleton	White	4902
1	L Skull	Zygomatic	Frontal process	White	4903
1	Skull	Frontal bone	Skull vault, temporal line visible	White	4904
1	R Skull	Zygomatic	Frontal process	White	4905
9	Skull	Mandible	Frag of body	White	4906
3	Skull	Mandible	Frag of body w alveoli	White	4907

Osteological data report for Kingskettle

31.2.4 Bone fragments in 'EQ 348'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	R Skull	Temporal bone	Zygomatic process	White	4908
11	Skull	Temporal bone	Frag	White	4909
1	L Skull	Temporal bone	Petrous part	White	4910
1	R Skull	Temporal bone	Petrous part	White	4911
1	Skull	Maxilla	Frag w frontal sinus	White	4912
1	R Skull	Maxilla	Frag of alveolar process w alveoli	White	4913
1	L Skull	Maxilla	Frag of alveolar process w alveoli	White	4914
1	Skull	Mandible	Frag of condyle	White	4915
1	R Skull	Frontal bone	Frag w supraorbital margin	White	4916
			▶ Sexing indicator: . Supraorbital margin scores 1, female		
12	Skull	Dentition	Small frags		4917
6	Skull	Dentition	Root frags, max 1st or 2nd perm molar		4918
1	Skull	Dentition	Root frag, mand 1st or 2nd perm molar		4919
1	Skull	Dentition	Root frag, max 3rd molar		4920
			▶ Ageing indicator: . Max 3rd molar fully formed, age over 21		
1	Skull	Dentition	Root frag, max 3rd molar		4921
			▶ Ageing indicator: . Max 3rd molar fully formed, age over 21		
1	Skull	Dentition	Root frag, mand 2nd perm molar		4922
1	Skull	Dentition	Root frag, max 2nd perm molar		4923
1	Skull	Dentition	Frag, unerupted crown, mand 3rd molar		4924
			▶ Ageing indicator: . Mand 3rd molar unerupted, age under 21		
1	Skull	Dentition	Root, mand 1st perm incisor		4925
1	Skull	Dentition	Root, mand 2nd premolar		4926
1	Skull	Dentition	Root, max 1st perm incisor		4927
1	Skull	Dentition	Root, max 2nd perm incisor		4928
1	Skull	Dentition	Root frag, max 2nd premolar		4929
1	Skull	Dentition	Root frag, mand perm canine		4930
1	Skull	Dentition	Root frag, max 2nd perm incisor		4931
1	Skull	Dentition	Root frag, mand perm canine		4932
1	Skull	Dentition	Root, mand 2nd premolar		4933
30	Axial	Rib fragments	Shaft frags	White	4934
2	Axial	Rib fragments	Shaft frags	White	4935
			▶ Poor calcination: Inside, some on surface. Light grey		
3	Axial	Thoracic vertebra	Frag of bodies	White	4936
			▶ Poor calcination: Inside spongy bone. Light grey		
4	Axial	Thoracic vertebra	Frag of neural arches w art facets	White	4937
1	Axial	Atlas vertebra	Frag	White	4938
			▶ Specks: Art facets. Pale turquoise		
2	Axial	Cervical vertebra	Frag of bodies	White	4939
2	Axial	Cervical vertebra	Frag of neural arches	White	4940
			▶ Specks: Widespread. Pale turquoise		
3	Axial	Sacrum	Frag of bodies	White	4941

Osteological data report for Kingskettle

31.2.4 Bone fragments in 'EQ 348'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
2	Upper limb	Scapula	Frag of glenoid fossa	White	4942
7	Upper limb	Humerus	Shaft frags	White	4943
2	Upper limb	Humerus	Shaft frags	White	4944
			▶ Specks: Both surface and medullary cavity. Pale turquoise		
1	Upper limb	Humerus	Shaft frag	White	4945
			▶ Poor calcination: Medullary cavity. Light grey		
2	Upper limb	Humerus	Frag of head	White	4946
			▶ Poor calcination: Inside spongy bone. Light grey		
1	Upper limb	Humerus	Frag of distal end, trochlea	White	4947
			▶ Poor calcination: Some on surface. Light grey		
7	Upper limb	Ulna	Shaft frags	White	4948
			▶ Specks: Surface. Pale green/turquoise		
2	Upper limb	Ulna	Shaft frags	White	4949
			▶ Poor calcination: Medullary cavity. Light grey		
1 L	Upper limb	Radius	Frag of head	White	4950
1 R	Upper limb	Radius	Frag of head	White	4951
8	Upper limb	Radius	Shaft frags	White	4952
1	Upper limb	Radius	Shaft frag	White	4953
			▶ Poor calcination: Medullary cavity, also some in bone. Light grey, sandwich effect		
1	Upper limb	Scaphoid	Frag	White	4954
10	Upper limb	Metacarpal	Frag	White	4955
1	Upper limb	Metacarpal	Frag	White	4956
			▶ Poor calcination: Inside bone. Mid grey		
23	Upper limb	Hand phalanges	Frag, proximal and intermediate	White	4957
6	Upper limb	Hand phalanges	Frag, proximal and intermediate	White	4958
			▶ Poor calcination: Inside bone. Light to mid grey		
3	Upper limb	Hand phalanges	Frag, distal	White	4959
4	Lower limb	Ilium	Frag	White	4960
4	Lower limb	Ilium	Frag of iliac crest	White	4961
			▶ Ageing indicator: . Iliac crest fused, age over 17-23		
1 L	Lower limb	Ilium	Frag of acetabulum	White	4962
1 R	Lower limb	Ilium	Frag of acetabulum	White	4963
1	Lower limb	Ilium	Greater sciatic notch	White	4964
			▶ Sexing indicator: . Scores 4, ?female		
1	Lower limb	Ilium	Greater sciatic notch	White	4965
			▶ Sexing indicator: . Scores 4, ?female		
8	Lower limb	Femur	Shaft frags	White	4966
1	Lower limb	Femur	Frag of head	White	4967
1	Lower limb	Femur	Frag of head	White	4968
3	Lower limb	Femur	Frag of distal end, condyles	White	4969
1	Lower limb	Patella	Frag	White	4970

Osteological data report for Kingskettle

31.2.4 Bone fragments in 'EQ 348'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
3	Lower limb	Tibia	Shaft frags	White	4971
1	Lower limb	Tibia	Shaft frag	White	4972
			▶ Poor calcination: Inside bone. Light grey, sandwich effect		
2	Lower limb	Tibia	Frag of tibial plateaux	White	4973
			▶ Poor calcination: Inside bone. Light to mid grey		
1	Lower limb	Tibia	Frag of distal shaft, tibial tuberosity	White	4974
			▶ Poor calcination: Inside spongy bone. Light to mid grey		
5	Lower limb	Fibula	Shaft frags	White	4975
1	Lower limb	Fibula	Shaft frag	White	4976
			▶ Specks: On surface. Pale green/turquoise		
3	Lower limb	Fibula	Shaft frag	White	4977
			▶ Poor calcination: Inside bone, some in medullary cavity. Light grey, sandwich effect		
1	Lower limb	Navicular	Frag	White	4978
1	Lower limb	Intermediate cuneiform	Frag	White	4979
			▶ Poor calcination: Inside spongy bone. Light grey		
1	Lower limb	Metatarsal bone	Frag	White	4980
			▶ Specks: On surface of head. Pale green/turquoise		
3	Lower limb	Foot phalanges	Frag and complete	White	4981
1	Lower limb	Foot phalanges	Complete distal	White	4982

Osteological data report for Kingskettle

31.2 Deposit details for 'EQ 352'

Deposit details

Deposit ID: EQ 352
Urn type: Collared urn
Entered: 09/06/2011 19:33:55

Radiocarbon date

Lab number:
BP date: +/-
Cal BC*: -

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 3
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent: 1
Adult: 2

Composition of deposit by weight

Total initial weight: 283g
Extraneous material: 49g
Est. inclusion 2-5mm: 3g (30%)
Total human bone: 231g
Human bone weights by sieving fraction:
>10mm: 135g
5-10mm: 90g
2-5mm: 9g

Largest cranial and post cranial fragments

53.89mm Parietal
86.05mm Humerus

Identified bone fragments

Total identified bone: 97g (42%)
No. of ident. fragments: 84
Mean ident. fragment: 1.15g
Identified fragment weights by body element:
Skull: 51g
Axial: 8g
Lower limb: 16g
Upper limb: 22g

Pyre inferences

Poorly calcined fragments: 13 (15%)
Turquoise staining: 3 (4%)

Osteological data report for Kingskettle

31.4.1 Individuals in 'EQ 352'

No.	Sex	Age		
1	??	Adult	Over mid 20s	
		Ageing indicator	Cervical vertebra	Annular rings fused, age over mid 20s
		Ageing indicator	Parietal	Sag suture obliterated internally
2	??	Child/adolescent	12-16 years.	
		Ageing indicator	Hand phalanges	Bases of hand phalanges unfused, age under 14-16
		Ageing indicator	Metacarpal	Metacarpal head unfused, age under 14-16
		Ageing indicator	Rib fragments	Quite small, childlike
		Ageing indicator	Dentition	Mand 3rd molar crown, age c. 12-16
		Ageing indicator	Dentition	Mand 1st/2nd molar fully formed, age over 10
3	??	Adult	c. 17-25.	
		Ageing indicator	Ilium	Iliac crest fusing almost complete, age c. 17-23

31.4.2 Pyre goods in 'EQ 352'

Quantity Material Typology/classification Description

31.4.3 Inclusions in 'EQ 352'

Weight (g) Inclusion type

31.4.4 Bone fragments in 'EQ 352'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
4	Skull	Unspecified	Skull vault	White	3648
			► Poor calcination: Diploe. Light grey, sandwich effect		
19	Skull	Unspecified	Skull vault	White	3649
1	Skull	Unspecified	Skull vault	White	3650
			► Poor calcination: Almost complete frags. Dark grey		
3	Skull	Parietal	Skull vault	White	3651
			► Ageing indicator: . Sag suture obliterated internally		
			► Specks: Endocranial, posteriolateral. Pale turquoise		
1	Skull	Occipital	Frag w transverse sulcus	White	3652
1	L Skull	Temporal bone	Petrous part	White	3653
4	Skull	Temporal bone	Frag	White	3654
1	R Skull	Zygomatic	Frontal process	White	3655
2	Skull	Mandible	Frag of body	White	3656
1	Skull	Mandible	Frag of body w alveoli	White	3657
1	Skull	Mandible	Frag of condyle	White	3658
1	R Skull	Mandible	Frag of asc ramus w condyle	White	3659
3	Skull	Dentition	Small frags		3660
1	Skull	Dentition	Frag of mand 1st or 2nd molar		3661
			► Ageing indicator: . Mand 1st/2nd molar fully formed, age over 10		

Osteological data report for Kingskettle

31.4.4 Bone fragments in 'EQ 352'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Skull	Dentition	Unerrupted crown, mand 3rd molar ▶ Ageing indicator: . Mand 3rd molar crown, age c. 12-16		3662
12	Axial	Rib fragments	Shaft frags	White	3663
2	Axial	Rib fragments	Shaft frags ▶ Ageing indicator: . Quite small, childlike	White	3664
1	Axial	Cervical vertebra	Frag of body ▶ Ageing indicator: . Annular rings fused, age over mid 20s	White	3665
1	Axial	Cervical vertebra	Frag of neural arch	White	3666
1	Axial	Thoracic vertebra	Frag of body	White	3667
2	Axial	Thoracic vertebra	Frag of neural arch, sup art facets	White	3668
1	Axial	Sacrum	Frag of alae	White	3669
2	Upper limb	Humerus	Shaft frags ▶ Poor calcination: Medullary cavity. Light grey	White	3670
2	Upper limb	Radius	Shaft frags	White	3671
1	Upper limb	Ulna	Shaft frag	White	3672
1	Upper limb	Metacarpal	Frag ▶ Ageing indicator: . Metacarpal head unfused, age under 14-16	White	3673
6	Upper limb	Hand phalanges	Frag, proximal and intermediate ▶ Ageing indicator: . Bases of hand phalanges unfused, age under 14-16 ▶ Poor calcination: On surface. Light to mid grey	White	3674
2	Lower limb	Ilium	Frag	White	3675
2	Lower limb	Ilium	Iliac crest ▶ Ageing indicator: . Iliac crest fusing almost complete, age c. 17-23	White	3676
1	Lower limb	Tibia	Frag of proximal end, epicondyle	White	3677
1	Lower limb	Tibia	Shaft frag	White	3678
1	Lower limb	Intermediate cuneiform	Frag	White	3679
1	Lower limb	Lateral cuneiform	Frag	White	3680

Osteological data report for Kingskettle

31.2 Deposit details for 'EQ 346 (2 urns)'

Deposit details

Deposit ID: EQ 346 (2 urns)
Urn type: Collared urn
Entered: 11/07/2011 17:13:52

Radiocarbon date

Lab number:
BP date: 0 +/- 0
Cal BC*: 0 - 0

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 2
Individuals by sex:
Male: 1
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 2

Composition of deposit by weight

Total initial weight: 1911g
Extraneous material: 195g
Est. inclusion 2-5mm: 31g (60%)
Total human bone: 1685g
Human bone weights by sieving fraction:
>10mm: 1277g
5-10mm: 388g
2-5mm: 51g

Largest cranial and post cranial fragments

48.14mm Parietal
57.52mm Ulna

Identified bone fragments

Total identified bone: 490g (29%)
No. of ident. fragments: 222
Mean ident. fragment: 2.21g
Identified fragment weights by body element:
Skull: 225g
Axial: 23g
Lower limb: 144g
Upper limb: 98g

Pyre inferences

Poorly calcined fragments: 37 (17%)
Turquoise staining: 2 (1%)

Osteological data report for Kingskettle

31.6.1 Individuals in 'EQ 346 (2 urns)'

No. Sex Age

1	?M	Adult		
	Ageing indicator	Parietal	Fragments look young rather than old	
	Ageing indicator	Parietal	Sag suture open	
	Ageing indicator	Parietal	Lambd suture open	
	Sexing indicator	Frontal bone	Supraorbital margin scores 4, ?male	
2	??	Adult		
	Duplicate	Mandible	Smaller and different shape than other	
	Sexing indicator	Mandible	Mental eminence scores 3, ?sex	

31.6.2 Pyre goods in 'EQ 346 (2 urns)'

Quantity Material Typology/classification Description

1	Flint		Small chunk, 2 g
5	Animal bone	Antler?	2 grooved frags, 3 flat frags 22 g
1	Animal bone	Longbone?	Frag, possibly worked? 3 g

31.6.3 Inclusions in 'EQ 346 (2 urns)'

Weight (g) Inclusion type

120	Pottery
2	Charcoal

31.6.4 Bone fragments in 'EQ 346 (2 urns)'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
66	Skull	Unspecified	Skull vault	White	5481
20	Skull	Unspecified	Skull vault	White	5482
			▶ Poor calcination: Diploe. Mid grey, sandwich effect		
5	Skull	Unspecified	Skull vault	White	5483
			▶ Specks: Endocranial surface. Pale green		
1	Skull	Unspecified	Skull vault	White	5484
			▶ Specks: Both endo- and ectocranial surface. Pale green		
			▶ Stain: Ectocranial surface. Pale red		
2	Skull	Frontal bone	Frag w part of frontal crest	White	5485
			▶ Specks: Endocranial surface. Pale green		
			▶ Stain: Endocranial surface. Pale red		
1	R Skull	Frontal bone	Frag of supraorbital margin	White	5486
			▶ Sexing indicator: . Supraorbital margin scores 4, ?male		
			▶ Poor calcination: Inside spongy bone. Mid grey, sandwich effect		
1	Skull	Parietal	Skull vault	White	5487
			▶ Ageing indicator: . Lambd suture open		
1	Skull	Parietal	Skull vault	White	5488

Osteological data report for Kingskettle

31.6.4 Bone fragments in 'EQ 346 (2 urns)'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Ageing indicator: . Sag suture open		
8	Skull	Parietal	Skull vault	White	5489
			▶ Ageing indicator: . Fragments look young rather than old		
3	Skull	Parietal	Skull vault	White	5490
			▶ Poor calcination: Diploe. Light grey, sandwich effect		
1	Skull	Parietal	Skull vault	White	5491
			▶ Specks: Ectocranial surface. Pale green		
3	Skull	Occipital	Skull vault	White	5492
			▶ Poor calcination: Diploe. Light grey, sandwich effect		
1	Skull	Occipital	Frag	White	5493
			▶ Specks: Endocranial surface. Pale green/turquoise		
3	Skull	Temporal bone	Frag of mastoid process and thereabouts	White	5494
8	Skull	Temporal bone	Frag	White	5495
3	Skull	Temporal bone	Frag, squama	White	5496
1	Skull	Temporal bone	Frag, w part of external acoustic meatus	White	5497
1	R Skull	Temporal bone	Frag w mandibular fossa and articular eminence	White	5498
1	Skull	Maxilla	Frag of alveolar process w alveolus	White	5499
2	Skull	Mandible	Frag of body	White	5500
1	Skull	Mandible	Frag of body w mental spines	White	5501
			▶ Sexing indicator: . Mental eminence scores 3, ?sex		
1	Skull	Mandible	Frag of condyle	White	5502
1	R Skull	Mandible	Coronoid process	White	5503
1	R Skull	Mandible	Coronoid process	White	5504
			▶ Duplicate: . Smaller and different shape than other		
1	Skull	Dentition	Max 2nd perm molar	White	5505
8	Axial	Rib fragments	Shaft frags	White	5506
6	Axial	Cervical vertebra	Frag of bodies	White	5507
2	Axial	Thoracic vertebra	Frag of bodies	White	5508
1	Axial	Lumbar vertebra	Frag of body	White	5509
3	Axial	Sacrum	Frag	White	5510
1	L Upper limb	Scapula	Frag, inferior angle	White	5511
8	Upper limb	Humerus	Shaft frags	White	5512
1	Upper limb	Humerus	Shaft frag	White	5513
			▶ Poor calcination: Inside bone. Light grey, sandwich effect		
2	Upper limb	Ulna	Shaft frags	White	5514
			▶ Poor calcination: Inside bone. Light to mid grey, sandwich effect		
2	Upper limb	Ulna	Shaft frag	White	5515
			▶ Specks: Extensive staining on bone surface. Pale green, large areas of staining		
1	Upper limb	Ulna	Frag of olecranon process	White	5516

Osteological data report for Kingskettle

31.6.4 Bone fragments in 'EQ 346 (2 urns)'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Upper limb	Ulna	Frag of olecranon process	White	5517
7	Upper limb	Radius	Shaft frags	White	5518
1	Upper limb	Radius	Shaft frag	White	5519
			► Specks: Single speck on outer surface. Pale turquoise		
1	Upper limb	Radius	Shaft frag	White	5520
			► Poor calcination: Inside bone. Light grey, sandwich effect		
2	Upper limb	Metacarpal	Frag	White	5521
3	Upper limb	Hand phalanges	Frag, proximal and intermediate	White	5522
3	Lower limb	Ilium	Frag	White	5523
1	Lower limb	Ilium	Frag	White	5524
			► Poor calcination: Most of spongy bone. Mid grey		
1	Lower limb	Ilium	Frag of acetabulum	White	5525
10	Lower limb	Femur	Shaft frags	White	5526
1	Lower limb	Femur	Shaft frag	White	5527
			► Poor calcination: Medullary cavity. Light grey		
1	Lower limb	Femur	Shaft frag	White	5528
			► Specks: Most of outer surface of frag. Pale green staining, extensive		
1	Lower limb	Femur	Frag of distal end, condyles	White	5529
6	Lower limb	Tibia	Shaft frags	White	5530
3	Lower limb	Fibula	Shaft frags	White	5531
1	Lower limb	Fibula	Shaft frag	White	5532
			► Poor calcination: Medullary cavity. Mid grey		
1	Lower limb	Fibula	Frag of distal shaft and distal end	White	5533
			► Poor calcination: Small area, proximally on frag. Mid grey		
1	Lower limb	Talus	Frag	White	5534
			► Poor calcination: Inside spongy bone. Mid grey		
1	Lower limb	Navicular	Frag	White	5535
1	Lower limb	Calcaneus	Frag	White	5536
1	Lower limb	Metatarsal bone	Frag	White	5537
			► Poor calcination: On surface. Mid grey		
1	Lower limb	Metatarsal bone	Frag of 1st	White	5538
1	Lower limb	Metatarsal bone	Frag	White	5539

Osteological data report for Kirkpark, Inveresk

32.2 Deposit details for 'EA 144'

Deposit details

Deposit ID: EA 144
Urn type: Collared urn
Entered: 24/11/2010 16:37:47

Radiocarbon date

Lab number:
BP date: +/-
Cal BC*: -

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 2
Individuals by sex:
Male: 1
Female: 1
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 2

Composition of deposit by weight

Total initial weight: 1837g
Extraneous material: 170g
Est. inclusion 2-5mm: 17g (30%)
Total human bone: 1650g
Human bone weights by sieving fraction:
>10mm: 1396g
5-10mm: 213g
2-5mm: 58g

Largest cranial and post cranial fragments

69.44mm Occipital
117.3mm Femur

Identified bone fragments

Total identified bone: 779g (47%)
No. of ident. fragments: 234
Mean ident. fragment: 3.33g
Identified fragment weights by body element:
Skull: 223g
Axial: 135g
Lower limb: 285g
Upper limb: 136g

Pyre inferences

Poorly calcined fragments: 75 (32%)
Turquoise staining: 77 (33%)

Osteological data report for Kirkpark, Inveresk

32.2.1 Individuals in 'EA 144'

No.	Sex	Age		
1	?M	Adult	Could be over 30-40	Dental abscesses, lipping and schmorl's nodes
	Ageing indicator	Parietal		Lambd suture obliterated internally
	Ageing indicator	Ilium		Iliac crest fully fused, age over 17-23
	Ageing indicator	Occipital		Lambd suture obliterated internally
	Ageing indicator	Parietal		Sag suture almost obliterated
	Ageing indicator	Thoracic vertebra		Annular ring fused, age over mid-20s
	Ageing indicator	Lumbar vertebra		Annular ring fully fused, age over mid-20s
	Pathology	Lumbar vertebra		Schmorl's nodes on 2 bodies
	Pathology	Maxilla		Massive heart-shaped abscess, c. 14x12 mm
	Pathology	Maxilla		Poss abscess
	Pathology	Lumbar vertebra		Marginal lipping, not marked
	Pathology	Sacrum		Marginal lipping, not marked
	Pathology	Thoracic vertebra		Marginal lipping, marked
	Pathology	Thoracic vertebra		Marginal lipping, not marked
	Sexing indicator	Patella		Size suggests ?male
	Sexing indicator	Temporal bone		Mastoid process scores, 4 ?male
	Sexing indicator	Humerus		Large size suggests ?male
	Sexing indicator	Frontal bone		Supraorbital margin scores 5, male
	Sexing indicator	Frontal bone		Supraorbital margin scores 5, male
	Sexing indicator	Humerus		Large size suggests ?male
	Sexing indicator	Femur		Strong muscle attachments, ?male
2	?F	Adult		
	Sexing indicator	Ilium		Greater sciatic notch scores 5, female

32.2.2 Pyre goods in 'EA 144'

Quantity Material Typology/classification Description

32.2.3 Inclusions in 'EA 144'

Weight (g) Inclusion type

32.2.4 Bone fragments in 'EA 144'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
41	Skull	Unspecified	Skull vault	White	2643
			► Poor calcination: A few frags. Mid grey, sandwich effect		
			► Specks: 5 frags, endocranial. Pale green-turquoise		
			► Stain: Endocranial, c. 20 frags. Yellow to dark red, in connection w red slip-like		
10	Skull	Parietal	Skull vault	White	2644

Osteological data report for Kirkpark, Inveresk

32.2.4 Bone fragments in 'EA 144'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
			<ul style="list-style-type: none"> ▶ Poor calcination: On 4 frags. Sandwich effect mid-dark grey ▶ Specks: On 3 frags, extensive. Pale turquoise ▶ Stain: Slip-like only endocranial, other also ectocranial. Yellow to dark red, also as slip-like layer ▶ Ageing indicator: Suture. Sag suture almost obliterated ▶ Ageing indicator: Suture. Lambd suture obliterated internally 		
5	Skull	Occipital	Skull vault, including transverse sulcus	White	2645
			<ul style="list-style-type: none"> ▶ Ageing indicator: Suture. Lambd suture obliterated internally ▶ Specks: Extensive on 2 frags. Turquoise-green ▶ Stain: Endocranial, 3 frags, spreads ectocranially. Yellow to dark red, also as slip-like layer 		
1	L Skull	Frontal bone	W complete supraorbital margin	White	2646
			▶ Sexing indicator: Supraorbital margin. Supraorbital margin scores 5, male		
1	R Skull	Frontal bone	Frag, supraorbital margin	White	2647
			▶ Sexing indicator: Supraorbital margin. Supraorbital margin scores 5, male		
1	L Skull	Zygomatic	Complete w part of maxilla	White	2648
2	R Skull	Zygomatic	Frag, frontal process	White	2649
1	R Skull	Maxilla	Frag, alveolar process w alveoli	White	2650
			<ul style="list-style-type: none"> ▶ Pathology: Mainly 2nd but also 3rd molar, buccal aspect. Massive heart-shaped abscess, c. 14x12 mm ▶ Specks: Near abscess, by palatine groove. Pale turquoise 		
4	Skull	Maxilla	Small frags, alveolar process w alveoli	White	2651
			▶ Specks: Near alveoli, on 1 frag. Pale turquoise		
3	Skull	Mandible	Frag, of body, w alveoli	White	2652
			▶ Stain: Widespread. Pale yellow		
1	Skull	Mandible	Frag w mental spines	White	2653
3	Skull	Mandible	Frag, of ramus	White	2654
1	L Skull	Mandible	Frag, of condyle and ramus	White	2655
1	Skull	Maxilla	Frag, of alveolar process, w alveoli	White	2656
			▶ Pathology: 2nd incisor, buccal side. Poss abscess		
1	L Skull	Temporal bone	Frag w suprameatal crest and part of mastoid	White	2657
			▶ Specks: Along break. Pale turquoise		
1	R Skull	Sphenoid	Frag w part of temporal as well	White	2658
			▶ Stain: Endocranial. Pale brick red, slip-like layer		
1	R Skull	Temporal bone	Mastoid process	White	2659
			▶ Sexing indicator: Mastoid process. Mastoid process scores, 4 ?male		
3	Skull	Temporal bone	Smaller frags	White	2660
1	L Skull	Temporal bone	Petrous part	White	2661
2	Skull	Dentition	Mand 1st perm molar root, broken		2662
1	Skull	Dentition	Max 1st premolar		2663
7	Skull	Unspecified	Facial skeleton, frags	White	2664

Osteological data report for Kirkpark, Inveresk

32.2.4 Bone fragments in 'EA 144'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
40	Axial	Rib fragments	Shaft frags ▶ Stain: Widespread on most frags. Yellow, sometimes orange and sliplike	White	2665
1	Axial	Atlas vertebra	Frag, art facets ▶ Stain: On sup art facet. Pale turquoise	White	2666
1	Axial	Axis vertebra	Almost complete	White	2667
4	Axial	Cervical vertebra	Frags of bodies	White	2668
6	Axial	Thoracic vertebra	Frags of bodies ▶ Pathology: Seen on 3 frags. Marginal lipping, not marked	White	2669
1	Axial	Thoracic vertebra	Transverse process ▶ Ageing indicator: . Annular ring fused, age over mid-20s	White	2670
4	Axial	Lumbar vertebra	Frags of bodies ▶ Pathology: . Marginal lipping, not marked ▶ Specks: . On bodies, mostly on lesions ▶ Pathology: . Schmorl's nodes on 2 bodies ▶ Ageing indicator: . Annular ring fully fused, age over mid-20s	White	2671
1	Axial	Sacrum	Frag of S1 ▶ Poor calcination: Inside bone, anteriorly. Mid grey ▶ Pathology: . Marginal lipping, not marked	White	2672
1	Axial	Thoracic vertebra	Frag of body ▶ Pathology: . Marginal lipping, marked	White	2673
4	Axial	Sacrum	Frags of bodies, small	White	2674
1	Skull	Occipital	Frag w internal occ crest and cruciform eminence	White	2675
1	Upper limb	Scapula	Frag	White	2676
1	Upper limb	Scapula	Frag w medial border ▶ Cremation slag: Slightly inferior to superior angle. Orange, slaglike substance, surrounded by stain	White	2677
1	R Upper limb	Scapula	Frag w scapular spine ▶ Specks: Widespread on bone surface. Pale turquoise	White	2678
1	L Upper limb	Scapula	Frag w glenoid fossa and part of coracoid ▶ Specks: Glenoid fossa. V pale green, only 3	White	2679
1	R Upper limb	Scapula	Frag w part of glenoid fossa and part of coracoid ▶ Specks: Widespread on surface of bone. Pale turquoise ▶ Stain: Medially, esp on coracoid. Pale yellow to orange-brown	White	2680
1	R Upper limb	Humerus	Head ▶ Specks: Widespread on surface of bone. Turquoise to green ▶ Sexing indicator: . Large size suggests ?male	White	2681
1	L Upper limb	Humerus	Head	White	2682

Osteological data report for Kirkpark, Inveresk

32.2.4 Bone fragments in 'EA 144'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Specks: Widespread on surface of bone. Pale turquoise		
			▶ Sexing indicator: . Large size suggests ?male		
3	Upper limb	Humerus	Frag of distal end w trochlea	White	2683
1	Upper limb	Humerus	Frag of distal shaft	White	2684
			▶ Poor calcination: Inside of bone. Light grey		
1	Upper limb	Humerus	Frag of proximal shaft	White	2685
3	Upper limb	Humerus	Frag of shaft	White	2686
1	L Upper limb	Radius	Shaft frag	White	2687
			▶ Poor calcination: Posteriolateral. Mid grey sandwich effect		
1	R Upper limb	Radius	Frag of head	White	2688
1	L Upper limb	Radius	Frag of neck	White	2689
1	R Upper limb	Radius	Frag of distal end	White	2690
			▶ Specks: Dist radial art surface and into bone, medially. Pale turquoise/green		
1	L Upper limb	Ulna	Frag of olecranon process	White	2691
1	Upper limb	Ulna	Frag of shaft	White	2692
1	L Upper limb	Ulna	Frag of distal shaft	White	2693
			▶ Poor calcination: Medullary cavity, distal end of frag. Light grey		
			▶ Specks: On surface of bone, medially. Pale turquoise		
1	L Upper limb	Ulna	Frag of proximal shaft	White	2694
			▶ Specks: Thinly scattered on surface of bone. Pale turquoise		
			▶ Cremation slag: Widespread. Slaglike or sliplike pale orange spots w staining		
2	Upper limb	Metacarpal	Frag of heads	White	2695
6	Upper limb	Hand phalanges	Frag of proximal or intermediate	White	2696
1	R Upper limb	Scapula	Frag w inferior angle	White	2697
			▶ Specks: A few on bone surface. Bright turquoise		
			▶ Stain: By inferior angle. Brown dots or specks, slaglike		
4	Lower limb	Ilium	Frag	White	2698
1	Lower limb	Ilium	Frag of greater sciatic notch	White	2699
			▶ Sexing indicator: Greater sciatic notch. Greater sciatic notch scores 5, female		
			▶ Poor calcination: In spongy bone. Light grey		
1	R Lower limb	Ilium	Frag of posterior of blade w ant gluteal line	White	2700
			▶ Specks: V widespread on surface and exposed spongy bone. Pale turquoise		
1	L Lower limb	Ilium	Frag w iliac crest	White	2701
			▶ Ageing indicator: Iliac crest. Iliac crest fully fused, age over 17-23		
1	Lower limb	Ilium	Frag of acetabular fossa	White	2702
			▶ Poor calcination: Acetabular fossa, surface and into bone. Dark grey		
1	Lower limb	Ischium	Frag of ischial tuberosity	White	2703
			▶ Poor calcination: Surface of tuberosity, also inwards. Mid grey		
1	Lower limb	Ischium	Frag	White	2704
1	Lower limb	Ilium	Frag of post sup iliac spine	White	2705

Osteological data report for Kirkpark, Inveresk

32.2.4 Bone fragments in 'EA 144'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Lower limb	Ilium	Frag, superior to acetabular fossa ▶ Poor calcination: Inside bone. Mid grey	White	2706
1	L Lower limb	Femur	Frag of head and neck ▶ Poor calcination: Laterally, on surface and inside in patches. Mid to dark grey	White	2707
1	L Lower limb	Femur	Frag of neck and part of greater trochanter ▶ Poor calcination: In patches inside bone. Light grey ▶ Specks: Scattered on surface. Pale turquoise	White	2708
1	L Lower limb	Femur	Frag of prox shaft ▶ Poor calcination: Distal end of frag. Light grey, sandwich effect ▶ Sexing indicator: . Strong muscle attachments, ?male	White	2709
5	Lower limb	Femur	Shaft frags ▶ Poor calcination: On 3 of frags. Light grey, sandwich effect	White	2710
1	Lower limb	Femur	Frag of prox shaft w gluteal line ▶ Poor calcination: Proximal end of frag. Mid grey sandwich effect	White	2711
2	Lower limb	Femur	Frag of distal shaft	White	2712
1	Lower limb	Femur	Frag of distal shaft ▶ Specks: 2 on surface. Pale turquoise	White	2713
1	Lower limb	Femur	Frag of proximal end w greater trochanter	White	2714
4	Lower limb	Femur	Frag of distal end, condyles ▶ Poor calcination: Inside spongy bone. Light to dark grey	White	2715
1	L Lower limb	Femur	Frag of lateral condyle ▶ Specks: Widespread on articular surface. Pale turquoise	White	2716
1	R Lower limb	Patella	Frag ▶ Sexing indicator: . Size suggests ?male	White	2717
1	Lower limb	Tibia	Frag of prox shaft ▶ Poor calcination: Seen in stripes in medullary cavity. Mid grey	White	2718
1	Lower limb	Tibia	Frag of shaft	White	2719
1	Lower limb	Fibula	Frag of shaft ▶ Specks: Widespread on surface and where broken. Bright turquoise	White	2720
1	Lower limb	Calcaneus	Frag w tuber part of medial process	White	2721
1	L Lower limb	Talus	Frag of trochlea ▶ Poor calcination: Seen in bands near surface of bone. Light grey, sandwich effect	White	2722
1	L Lower limb	Fibula	Frag of distal end	White	2723
1	Lower limb	Cuboid	Frag ▶ Specks: On tuberosity. Pale turquoise	White	2724
1	Lower limb	Lateral cuneiform	Frag ▶ Poor calcination: Inside of bone. Light to mid grey	White	2725
1	Lower limb	Metatarsal bone	First, frag of base	White	2726
1	Lower limb	Metatarsal bone	First, frag of base	White	2727

Osteological data report for Kirkpark, Inveresk

32.2.4 Bone fragments in 'EA 144'

<u>Qty</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Lower limb	Metatarsal bone	First, frag of head and shaft	White	2728
1	Lower limb	Medial cuneiform	Frag	White	2729
1	Upper limb	Clavicle	Frag	White	2730
1	Upper limb	Metacarpal	Frag	White	2731
1	Lower limb	Foot phalanges	Frag of 1st intermediate	White	2732

Osteological data report for Kirkpark, Inveresk

32.2 Deposit details for 'EA 146'

Deposit details

Deposit ID: EA 146
Urn type: Collared urn
Entered: 24/11/2010 16:38:02

Radiocarbon date

Lab number:
BP date: +/-
Cal BC*: -

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 2
Individuals by sex:
Male: 1
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 2

Composition of deposit by weight

Total initial weight: 2048g
Extraneous material: 261g
Est. inclusion 2-5mm: 17g (30%)
Total human bone: 1770g
Human bone weights by sieving fraction:
>10mm: 1534g
5-10mm: 195g
2-5mm: 58g

Largest cranial and post cranial fragments

71.37mm Parietal
114.68mm Tibia

Identified bone fragments

Total identified bone: 782g (44%)
No. of ident. fragments: 268
Mean ident. fragment: 2.92g
Identified fragment weights by body element:
Skull: 260g
Axial: 133g
Lower limb: 246g
Upper limb: 143g

Pyre inferences

Poorly calcined fragments: 163 (61%)
Turquoise staining: 13 (5%)

Osteological data report for Kirkpark, Inveresk

32.4.1 Individuals in 'EA 146'

No.	Sex	Age		
1	??	Adult	Age 25-39.	Crowded teeth, third molar missing, lesion in arm.
		Ageing indicator	Ilium	Auricular surface, phase 2-4, age 25-39
		Ageing indicator	Lumbar vertebra	S2 fused w S1, age over mid-twenties
		Ageing indicator	Lumbar vertebra	Annular rings fused, age over mid-twenties
		Ageing indicator	Thoracic vertebra	Annular rings fused, age over mid-twenties
		Ageing indicator	Maxilla	Max 3rd molar missing? Could be pathology
		Duplicate	Maxilla	Poss from second individual?
		Pathology	Radius	Circular depression, c. 9 mm diam, bone deformed
		Pathology	Maxilla	Crowded teeth, 1st and 2nd molars adjacent
		Sexing indicator	Maxilla	Maxilla appears v small, ?female
2	?M	Adult	Late teens to mid-twenties.	
		Ageing indicator	Pubis	Pubic symphysis phase 1, 15-24
		Ageing indicator	Pubis	Pubic symphysis, phase 1, 15-24
		Ageing indicator	Ilium	Acetabulum fully fused, age over 11-17
		Ageing indicator	Ilium	Iliac crest fully fused, age over 17-20
		Ageing indicator	Dentition	Max 2nd perm molar fully formed, age over 16-17
		Ageing indicator	Maxilla	Third molar present, age over 21
		Ageing indicator	Maxilla	Max 2nd premolar erupted, age over 15
		Ageing indicator	Maxilla	Max 2nd molar erupted, age over 12-13
		Sexing indicator	Pubis	Inferior ramus of pubis scores 4, ?male
		Sexing indicator	Temporal bone	Mastoid process scores 3, ?sex

32.4.2 Pyre goods in 'EA 146'

Quantity Material Typology/classification Description

32.4.3 Inclusions in 'EA 146'

Weight (g) Inclusion type

32.4.4 Bone fragments in 'EA 146'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
4	Skull	Unspecified	Skull vault	White	2813
			► Poor calcination: Extensive on all frags. Dark to mid grey, sandwich effect		
67	Skull	Unspecified	Skull vault	White	2814
			► Poor calcination: Extensive on all frags. Light to mid grey, sandwich effect		
1	Skull	Unspecified	Skull vault	White	2815
			► Stain: Endocranial surface. Reddish brown, slag-like		
1	Skull	Unspecified	Skull vault	White	2816
			► Specks: Endocranial. Pale turquoise		
7	Skull	Parietal	Skull vault	White	2817

Osteological data report for Kirkpark, Inveresk

32.4.4 Bone fragments in 'EA 146'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
			<ul style="list-style-type: none"> ▶ Poor calcination: Extensive on all frags. Light to mid grey, sandwich effect ▶ Stain: Endocranial, not extensive. Yellow to pinkish brown 		
2	Skull	Occipital	Skull vault, including cruciform eminence	White	2818
			<ul style="list-style-type: none"> ▶ Poor calcination: Extensive. Light grey, sandwich effect 		
2	Skull	Mandible	Frag of body w alveoli	White	2819
			<ul style="list-style-type: none"> ▶ Specks: A few, posterior, buccal surface. Bright turquoise 		
1	R Skull	Mandible	Condyle	White	2820
1	L Skull	Maxilla	Frag of alveolar process, w alveoli	White	2821
			<ul style="list-style-type: none"> ▶ Ageing indicator: Max 2nd perm molar. Max 2nd molar erupted, age over 12-13 ▶ Sexing indicator: . Maxilla appears v small, ?female ▶ Pathology: . Crowded teeth, 1st and 2nd molars adjacent ▶ Ageing indicator: . Max 3rd molar missing? Could be pathology 		
1	R Skull	Maxilla	Frag of alveolar process, w alveoli and root	White	2822
			<ul style="list-style-type: none"> ▶ Ageing indicator: Max 2nd premolar. Max 2nd premolar erupted, age over 15 ▶ Specks: Widespread but scattered. Bright turquoise ▶ Poor calcination: Inside of bone, stretching towards frontal process. Light grey 		
1	Skull	Maxilla	Frag of alveolar process and sinus	White	2823
			<ul style="list-style-type: none"> ▶ Duplicate: . Poss from second individual? ▶ Ageing indicator: . Third molar present, age over 21 		
1	Skull	Maxilla	Frag of facial skeleton w sinus	White	2824
3	Skull	Unspecified	Facial skeleton	White	2825
			<ul style="list-style-type: none"> ▶ Poor calcination: On one frag. Dark grey 		
1	L Skull	Zygomatic	Frontal process	White	2826
1	R Skull	Temporal bone	Mastoid process	White	2827
			<ul style="list-style-type: none"> ▶ Sexing indicator: Mastoid process. Mastoid process scores 3, ?sex ▶ Poor calcination: Anterior on frag. Light grey, sandwich effect 		
1	L Skull	Temporal bone	Frag w zygomatic process	White	2828
1	R Skull	Temporal bone	Frag w mandibular fossa	White	2829
			<ul style="list-style-type: none"> ▶ Poor calcination: Most of frag. Light to mid grey 		
1	Skull	Temporal bone	Small frag of petrous part	White	2830
1	L Skull	Temporal bone	Petrous part	White	2831
			<ul style="list-style-type: none"> ▶ Poor calcination: Laterally. Mid to dark grey 		
1	R Skull	Temporal bone	Petrous part	White	2832
			<ul style="list-style-type: none"> ▶ Stain: Laterally. Reddish brown 		
1	L Skull	Sphenoid	Frag w orbital surface	White	2833
			<ul style="list-style-type: none"> ▶ Poor calcination: Most lateral on frag. Dark grey 		
3	Skull	Dentition	Frag of max 1st or 2nd molar		2834
2	Skull	Dentition	Frag of max 2nd perm molar		2835

Osteological data report for Kirkpark, Inveresk

32.4.4 Bone fragments in 'EA 146'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Ageing indicator: Max 2nd perm molar. Max 2nd perm molar fully formed, age over 16-17		
32	Axial	Rib fragments	Shaft frags ▶ Stain: Widespread on surface of 2 frags. Red to pink ▶ Poor calcination: On 1 frag. Mid grey	White	2836
5	Axial	Cervical vertebra	Frag of bodies	White	2837
2	Axial	Atlas vertebra	Frag (of same vertebra) ▶ Poor calcination: Widespread. Dark grey	White	2838
1	Axial	Axis vertebra	Frag of dens	White	2839
12	Axial	Thoracic vertebra	Frag of bodies ▶ Ageing indicator: Annular ring. Annular rings fused, age over mid-twenties	White	2840
3	Axial	Lumbar vertebra	Frag of bodies ▶ Ageing indicator: Annular rings. Annular rings fused, age over mid-twenties ▶ Specks: A few, widespread. Pale turquoise	White	2841
1	Axial	Lumbar vertebra	Frag of S2 ▶ Ageing indicator: S2 fused w S1. S2 fused w S1, age over mid-twenties ▶ Poor calcination: Surface in contact w S1. Light grey	White	2842
15	Axial	Thoracic vertebra	Frag of neural arches	White	2843
4	Axial	Lumbar vertebra	Frag of neural arches	White	2844
3	Axial	Cervical vertebra	Frag of neural arches	White	2845
1	Upper limb	Clavicle	Frag ▶ Poor calcination: Inside bone, towards sternal end. Light grey	White	2902
1 R	Upper limb	Humerus	Frag of head ▶ Poor calcination: Inside greater tubercle. Light grey ▶ Specks: Inside bone, in the break. Turquoise/green, one speck	White	2903
3	Upper limb	Humerus	Frag of shaft ▶ Poor calcination: Seen to some extent on all frags. Light grey, sandwich effect	White	2904
1	Upper limb	Humerus	Frag of shaft ▶ Cremation slag: Along shaft. Sand-paper like texture, sand fused to bone	White	2905
1 L	Upper limb	Humerus	Frag of head	White	2906
2	Upper limb	Ulna	Frag of shaft ▶ Poor calcination: Seen on both frags. Light grey, sandwich effect	White	2907
1	Upper limb	Ulna	Frag of shaft ▶ Cremation slag: Surface of bone. Sand-paper like texture, sand adhering to surface	White	2908
2	Upper limb	Humerus	Frag of distal end, trochlea and olecranon fossa	White	2909
4	Upper limb	Radius	Frag of shaft	White	2910
1	Upper limb	Radius	Frag of shaft ▶ Poor calcination: . Light grey, sandwich effect	White	2911
1	Upper limb	Radius	Frag of shaft	White	2912

Osteological data report for Kirkpark, Inveresk

32.4.4 Bone fragments in 'EA 146'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
			<ul style="list-style-type: none"> ▶ Poor calcination: . Light grey, sandwich effect ▶ Cremation slag: . Sand-paper like texture, sand adhering to surface ▶ Specks: Scattered on outer surface. Pale turquoise 		
2	R Upper limb	Radius	Head, adhering frags	White	2913
			<ul style="list-style-type: none"> ▶ Poor calcination: Medullary cavity, distally. Light grey 		
1	L Upper limb	Radius	Head	White	2914
			<ul style="list-style-type: none"> ▶ Pathology: Anteriorly on head. Circular depression, c. 9 mm diam, bone deformed ▶ Poor calcination: On surface, below pathological lesion. Mid grey 		
8	Lower limb	Ilium	Frag, unspecified	White	2915
2	Lower limb	Ilium	Frag, unspecified	White	2916
			<ul style="list-style-type: none"> ▶ Poor calcination: Extensive inside bone. Light to mid grey 		
1	L Lower limb	Ilium	Frag w iliac crest, anterior sup iliac spine	White	2918
			<ul style="list-style-type: none"> ▶ Ageing indicator: Iliac crest. Iliac crest fully fused, age over 17-20 ▶ Poor calcination: Inside of anterior surface of bone. Light grey ▶ Specks: Posterior surface, only three or so. Pale turquoise 		
1	Lower limb	Ilium	Frag w iliac crest	White	2919
			<ul style="list-style-type: none"> ▶ Stain: Anterior surface. Red-brown, almost slip-like ▶ Specks: Anterior surface. Pale green/turquoise 		
1	Lower limb	Ilium	Frag of acetabulum	White	2920
2	L Lower limb	Ilium	Frag of acetabulum and auricular surface	White	2921
			<ul style="list-style-type: none"> ▶ Stain: At the broken edge. Dark red/brown, slip-like ▶ Ageing indicator: Acetabulum. Acetabulum fully fused, age over 11-17 ▶ Ageing indicator: Auricular surface. Auricular surface, phase 2-4, age 25-39 		
1	R Lower limb	Ilium	Anterior superior iliac spine	White	2922
1	R Lower limb	Pubis	Fragment of pubis w pubic symphysis	White	2923
			<ul style="list-style-type: none"> ▶ Ageing indicator: Pubic symphysis. Pubic symphysis, phase 1, 15-24 ▶ Sexing indicator: Inferior ramus. Inferior ramus of pubis scores 4, ?male 		
1	L Lower limb	Pubis	Fragment of pubic symphysis	White	2924
			<ul style="list-style-type: none"> ▶ Ageing indicator: Pubic symphysis. Pubic symphysis phase 1, 15-24 		
1	Upper limb	Humerus	Frag of head	White	2925
2	Lower limb	Femur	Frag of shaft	White	2926
1	Lower limb	Femur	Frag of shaft	White	2927
			<ul style="list-style-type: none"> ▶ Poor calcination: Medullary cavity, limited amount. Light grey 		
1	Lower limb	Femur	Frag of shaft	White	2928
			<ul style="list-style-type: none"> ▶ Poor calcination: Throughout fragment. Mid grey, sandwich effect ▶ Stain: Surface of bone, c. 1/2. Orange, slip-like 		
2	Lower limb	Femur	Frag of distal shaft	White	2929
			<ul style="list-style-type: none"> ▶ Poor calcination: Inside spongy bone in both frags. Light grey 		
1	Lower limb	Femur	Frag of proximal end and head	White	2930

Osteological data report for Kirkpark, Inveresk

32.4.4 Bone fragments in 'EA 146'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
			► Specks: On shaft, few specks. Pale turquoise, very faint		
5	Lower limb	Femur	Frag of distal end, condyles	White	2931
			► Poor calcination: Very little, on two frags. Light grey		
1 R	Lower limb	Patella	Frag	White	2932
1 L	Lower limb	Patella	Frag	White	2933
2	Lower limb	Tibia	Frag of shaft	White	2934
2	Lower limb	Tibia	Frag of proximal end, epicondyles	White	2935
			► Poor calcination: Inside spongy bone on one frag. Mid to dark grey		
1	Lower limb	Fibula	Frag of shaft	White	2936
			► Poor calcination: All of fragment. Mid grey, sandwich effect		
1	Lower limb	Fibula	Frag of shaft, small piece	White	2937
			► Poor calcination: All of fragment. Mid to dark grey		
1 L	Skull	Mandible	Condyle	White	2938
			► Poor calcination: Inside of bone, ascending ramus. Light grey, sandwich effect		
			► Specks: 3 or 4, grouped, ascending ramus, lateral. Pale turquoise		
3	Upper limb	Ulna	Frag of shaft	White	2939
			► Poor calcination: Throughout shafts. Mid grey, sandwich effect		
			► Cremation slag: . Sand adhering to surface		
1	Upper limb	Radius	Frag of head	White	2940
8	Upper limb	Hand phalanges	Frag of proximal and intermediate	White	2941
1	Upper limb	Pisiform	Frag	White	2942
5	Upper limb	Metacarpal	Frag	White	2943
			► Poor calcination: Inside bone. Light to mid grey		
1 L	Lower limb	Calcaneus	Frag	White	2944
			► Poor calcination: Inside bone and more marked on articular surface. Light grey		
1	Lower limb	Talus	Frag	White	2945
1	Lower limb	Cuboid	Frag	White	2946
1	Lower limb	Medial cuneiform	Frag	White	2947
			► Poor calcination: Limited, inside bone. Light grey		
1	Lower limb	Intermediate cuneiform	Frag	White	2948
			► Poor calcination: Inside bone and on surface, widespread. Light to mid grey		
1	Lower limb	Metatarsal bone	Frag	White	2949

Osteological data report for Kirkpark, Inveresk

32.2 Deposit details for 'EA 241'

Deposit details

Deposit ID: EA 241
Urn type: Cordoned urn
Entered: 26/11/2010 12:24:27

Radiocarbon date

Lab number:
BP date: +/-
Cal BC*: -

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 332g
Extraneous material: 118g
Est. inclusion 2-5mm: 0g (0%)
Total human bone: 214g
Human bone weights by sieving fraction:
>10mm: 201g
5-10mm: 13g
2-5mm: 0g

Largest cranial and post cranial fragments

7.99mm Parietal
80.6mm Tibia

Identified bone fragments

Total identified bone: 136g (64%)
No. of ident. fragments: 41
Mean ident. fragment: 3.32g
Identified fragment weights by body element:
Skull: 40g
Axial: 31g
Lower limb: 49g
Upper limb: 16g

Pyre inferences

Poorly calcined fragments: 12 (29%)
Turquoise staining: 13 (32%)

Osteological data report for Kirkpark, Inveresk

32.6.1 Individuals in 'EA 241'

No.	Sex	Age		
1	??	Adult	Compression of lower spine, body weighted? Age 25+	Lesions in spine
	Ageing indicator	Ilium	Iliac crest fully fused, age over mid-twenties	
	Ageing indicator	Thoracic vertebra	Annular ring fused, age over mid-twenties	
	Ageing indicator	Cervical vertebra	Annular ring fused, age over mid-twenties	
	Ageing indicator	Parietal	Lambd suture almost obliterated	
	Ageing indicator	Parietal	Sag sutures obliterated internally	
	Pathology	Sacrum	Possibly a small lesion, c. 8x6 mm	
	Pathology	Lumbar vertebra	Possibly compression fracture, compressed sup-inf	

32.6.2 Pyre goods in 'EA 241'

Quantity	Material	Typology/classification	Description
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32.6.3 Inclusions in 'EA 241'

Weight (g)	Inclusion type
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64	Pottery
43	Coal

32.6.4 Bone fragments in 'EA 241'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
1	Skull	Unspecified	Skull vault	White	2618
			► Specks: Ectocranial. Bright turquoise		
7	Skull	Parietal	Skull vault	White	2619
1	Skull	Parietal	Skull vault, w sag and lambd sutures	White	2620
			► Ageing indicator: Suture. Sag sutures obliterated internally		
			► Ageing indicator: Suture. Lambd suture almost obliterated		
			► Poor calcination: Occipital angle, ectocranially. Mid grey		
1	Skull	Unspecified	Skull vault	White	2621
			► Specks: Ectocranially. Pale turquoise		
1	R Skull	Temporal bone	Petrous part	White	2622
			► Poor calcination: Laterally. Light-mid grey		
1	Axial	Rib fragments	Shaft frag	White	2623
1	Axial	Cervical vertebra	Body	White	2624
			► Ageing indicator: Annular ring. Annular ring fused, age over mid-twenties		
3	Axial	Thoracic vertebra	Bodies, frags, upper thoracic	White	2625
			► Ageing indicator: Annular ring. Annular ring fused, age over mid-twenties		
			► Specks: Extensive on one frag. Pale turquoise		
2	Axial	Thoracic vertebra	Bodies, complete, lower thoracic	White	2626
			► Other: antero-posteriorly. Severely compressed antero-posteriorly, from pyre		
1	Axial	Lumbar vertebra	Body	White	2627

Osteological data report for Kirkpark, Inveresk

32.6.4 Bone fragments in 'EA 241'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Other: antero-posteriorly. Severely compressed antero-posteriorly, from pyre		
			▶ Pathology: Body. Possibly compression fracture, compressed sup-inf		
1	Axial	Sacrum	Fragment of body and alae, S3 or 4	White	2628
1	Axial	Sacrum	Fragment of body and alae, S3 or S4	White	2629
			▶ Pathology: Posterior. Possibly a small lesion, c. 8x6 mm		
1	Upper limb	Clavicle	Frag of shaft	White	2630
1	L Upper limb	Scapula	Frag of glenoid cavity	White	2631
1	Upper limb	Humerus	Frag of head	White	2632
			▶ Poor calcination: Extensive internal and external. Mid grey		
1	Upper limb	Radius	Frag of shaft	White	2633
1	L Upper limb	Radius	Frag of head	White	2634
2	Lower limb	Ilium	Frag w iliac crest	White	2635
			▶ Ageing indicator: Iliac crest. Iliac crest fully fused, age over mid-twenties		
7	Lower limb	Ilium	Frag of blade	White	2636
			▶ Specks: Both surfaces, on 3 frags. Pale turquoise		
			▶ Poor calcination: . Sandwich effect on 2 frags		
1	Lower limb	Ischium	Frag of iliac tuberosity	White	2637
1	Lower limb	Tibia	Frag of shaft	White	2638
1	Lower limb	Tibia	Frag of proximal shaft	White	2639
1	Lower limb	Calcaneus	Frag	White	2640
			▶ Poor calcination: Posterior. Mid grey		
1	Lower limb	Calcaneus	Frag	White	2641
			▶ Specks: Surface. Bright turquoise		
1	Lower limb	Femur	Shaft frag	White	2642
			▶ Poor calcination: . Mid grey, sandwich effect		

Osteological data report for Kirkpark, Inveresk

32.2 Deposit details for 'EA 143'

Deposit details

Deposit ID: EA 143
Urn type: Collared urn
Entered: 17/06/2011 17:42:57

Radiocarbon date

Lab number:
BP date: +/-
Cal BC*: -

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 504g
Extraneous material: 171g
Est. inclusion 2-5mm: 5g (80%)
Total human bone: 328g
Human bone weights by sieving fraction:
>10mm: 146g
5-10mm: 181g
2-5mm: 6g

Largest cranial and post cranial fragments

33.36mm Unspecified
64.61mm Humerus

Identified bone fragments

Total identified bone: 143g (44%)
No. of ident. fragments: 90
Mean ident. fragment: 1.59g
Identified fragment weights by body element:
Skull: 77g
Axial: 1g
Lower limb: 52g
Upper limb: 13g

Pyre inferences

Poorly calcined fragments: 3 (3%)
Turquoise staining: (%)

Osteological data report for Kirkpark, Inveresk

32.8.1 Individuals in 'EA 143'

No. Sex Age

1 ?? Adult

Ageing indicator	Ilium	Iliac crest fused, age over 17-23
Ageing indicator	Parietal	Lambd suture obliterated internally
Sexing indicator	Frontal bone	Glabella scores 3, ?sex
Sexing indicator	Frontal bone	Supraorbital margin scores 3, ?sex

32.8.2 Pyre goods in 'EA 143'

Quantity Material Typology/classification Description

32.8.3 Inclusions in 'EA 143'

Weight (g) Inclusion type

168 Pottery

32.8.4 Bone fragments in 'EA 143'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
36	Skull	Unspecified	Skull vault	White	3366
3	Skull	Parietal	Skull vault	White	3367
			▶ Ageing indicator: . Lambd suture obliterated internally		
3	Skull	Occipital	Skull vault, incl border of foramen magnum	White	3368
8	Skull	Temporal bone	Fragments	White	3369
1	Skull	Mandible	Frag of body w alveoli	White	3370
2	Skull	Maxilla	Fragments w sinus	White	3371
1	Skull	Maxilla	Frag of alveolar process w alveoli	White	3372
2	Skull	Zygomatic	Fragments	White	3373
1	R Skull	Zygomatic	Frontal process	White	3374
5	Skull	Frontal bone	Fragments	White	3375
1	R Skull	Frontal bone	Supraorbital margin	White	3376
			▶ Sexing indicator: . Supraorbital margin scores 3, ?sex		
			▶ Sexing indicator: . Glabella scores 3, ?sex		
5	Axial	Rib fragments	Shaft fragments	White	3377
1	L Upper limb	Scapula	Frag of glenoid fossa	White	3378
1	Upper limb	Clavicle	Frag of shaft	White	3379
1	Upper limb	Humerus	Shaft frag	White	3380
2	Upper limb	Ulna	Shaft fragments	White	3381
1	Upper limb	Radius	Frag of head	White	3382
1	Upper limb	Radius	Shaft frag	White	3383
1	Lower limb	Ilium	Frag of iliac crest	White	3384
			▶ Ageing indicator: . Iliac crest fused, age over 17-23		
6	Lower limb	Femur	Shaft fragments	White	3385
1	Lower limb	Femur	Shaft frag	White	3386

Osteological data report for Kirkpark, Inveresk

32.8.4 Bone fragments in 'EA 143'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			► Poor calcination: Inside bone. Light grey, sandwich effect		
1	Upper limb	Metacarpal	Frag	White	3387
2	Lower limb	Tibia	Shaft frags	White	3388
			► Poor calcination: Inside bone. Light grey, sandwich effect		
2	Lower limb	Tibia	Frag of proximal end, epicondyles	White	3389
1	Lower limb	Fibula	Shaft frag	White	3390
1	Lower limb	Metatarsal bone	Frag	White	3391

Osteological data report for Kirkpark, Inveresk

32.2 Deposit details for 'EA 145'

Deposit details

Deposit ID: EA 145
Urn type: Collared urn
Entered: 17/06/2011 17:43:19

Radiocarbon date

Lab number:
BP date: +/-
Cal BC*: -

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female: 1
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 629g
Extraneous material: 474g
Est. inclusion 2-5mm: 10g (60%)
Total human bone: 145g
Human bone weights by sieving fraction:
>10mm: 54g
5-10mm: 84g
2-5mm: 17g

Largest cranial and post cranial fragments

39.8mm Frontal
84.77mm Radius

Identified bone fragments

Total identified bone: 70g (48%)
No. of ident. fragments: 22
Mean ident. fragment: 3.18g
Identified fragment weights by body element:
Skull: 9g
Axial: 10g
Lower limb: 36g
Upper limb: 15g

Pyre inferences

Poorly calcined fragments: 16 (73%)
Turquoise staining: (%)

Osteological data report for Kirkpark, Inveresk

32.10.1 Individuals in 'EA 145'

No.	Sex	Age		
1	?F	Adult	Prob older adult.	Schmorl's node?, worn teeth.
	Ageing indicator	Lumbar vertebra	V "lumpy" appearance, older ind?	
	Ageing indicator	Thoracic vertebra	V "lumpy" and spongy appearance, older ind?	
	Pathology	Thoracic vertebra	Schmorl's node?	
	Pathology	Dentition	Tooth appears completely worn down	
	Sexing indicator	Frontal bone	Glabella scores 3, ?sex	
	Sexing indicator	Frontal bone	Supraorbital margin scores 2, ?female	

32.10.2 Pyre goods in 'EA 145'

Quantity	Material	Typology/classification	Description
1	Flint		Piece, 17 g, looks burnt?

32.10.3 Inclusions in 'EA 145'

Weight (g) Inclusion type

1	Charcoal
3	Pottery

32.10.4 Bone fragments in 'EA 145'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
2	Skull	Unspecified	Skull vault	White	3392
			► Poor calcination: Diploe. Light to mid grey, sandwich effect		
1	Skull	Frontal bone	Frag	White	3393
1	L Skull	Frontal bone	Supraorbital margin	White	3394
			► Sexing indicator: . Supraorbital margin scores 2, ?female		
			► Sexing indicator: . Glabella scores 3, ?sex		
1	Skull	Maxilla	Sinus	White	3395
			► Poor calcination: Throughout. Light grey		
1	Skull	Dentition	Max 1st perm incisor		3396
			► Pathology: . Tooth appears completely worn down		
1	Axial	Thoracic vertebra	Frag of body	White	3397
			► Poor calcination: Extensive in spongy bone. Mid grey		
			► Pathology: C. 5mm diam,. Schmorl's node?		
			► Ageing indicator: . V "lumpy" and spongy appearance, older ind?		
1	Axial	Lumbar vertebra	Frag of body	White	3398
			► Ageing indicator: . V "lumpy" appearance, older ind?		
1	Axial	Sacrum	Frag of lower body	White	3399
			► Poor calcination: Within spongy bone. Mid grey		
1	Upper limb	Humerus	Shaft frag	White	3400
			► Poor calcination: Medullary cavity. Light grey		
2	Upper limb	Radius	Shaft frags	White	3401

Osteological data report for Kirkpark, Inveresk

32.10.4 Bone fragments in 'EA 145'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Poor calcination: Medullary cavity, also inside bone. Light grey		
1	Upper limb	Clavicle	Frag of medial shaft	White	3402
			▶ Poor calcination: Inside spongy bone. Mid grey		
1	Lower limb	Ilium	Frag	White	3403
1	Lower limb	Ilium	Frag of acetabulum	White	3404
7	Lower limb	Femur	Shaft frags, incl linea aspera	White	3405
			▶ Poor calcination: Inside bone, extensive. Mid grey, sandwich effect		

Osteological data report for Kirkpark, Inveresk

32.2 Deposit details for 'EA 117'

Deposit details

Deposit ID: EA 117
Urn type: Collared urn
Entered: 28/06/2011 19:15:34

Radiocarbon date

Lab number:
BP date: 0 +/- 0
Cal BC*: 0 - 0

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 1186g
Extraneous material: 28g
Est. inclusion 2-5mm: 8g (30%)
Total human bone: 1150g
Human bone weights by sieving fraction:
>10mm: 768g
5-10mm: 362g
2-5mm: 28g

Largest cranial and post cranial fragments

0mm
mm

Identified bone fragments

Total identified bone: 349g (30%)
No. of ident. fragments: 164
Mean ident. fragment: 2.13g
Identified fragment weights by body element:
Skull: 148g
Axial: 27g
Lower limb: 126g
Upper limb: 48g

Pyre inferences

Poorly calcined fragments: 25 (15%)
Turquoise staining: 5 (3%)

Osteological data report for Kirkpark, Inveresk

32.12.1 Individuals in 'EA 117'

No. Sex Age

1	??	Adult	Early 20s, dental and epiphyseal age mismatch.
Ageing indicator	Ilium		Iliac crest unfused, age under 17-23
Ageing indicator	Ilium		Auricular surface too eroded to age
Ageing indicator	Dentition		Max 3rd molar fully formed, age over 21
Ageing indicator	Parietal		Sag suture obliterated internally
Duplicate	Dentition		
Pathology	Thoracic vertebra		At least 2 schmorl's nodes, c 4 mm diam

32.12.2 Pyre goods in 'EA 117'

Quantity Material Typology/classification Description

32.12.3 Inclusions in 'EA 117'

Weight (g) Inclusion type

16	Pottery
1	Charcoal
3	Animal bone, unburnt

32.12.4 Bone fragments in 'EA 117'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
29	Skull	Unspecified	Skull vault	White	5030
7	Skull	Unspecified	Skull vault	White	5031
			▶ Poor calcination: Diploe. Light to mid grey, sandwich effect		
3	Skull	Unspecified	Skull vault	White	5032
			▶ Stain: Endocranial. Red		
2	Skull	Unspecified	Skull vault	White	5033
			▶ Specks: Endocranial. Pale green/turquoise		
10	Skull	Parietal	Skull vault	White	5034
2	Skull	Parietal	Skull vault	White	5035
			▶ Ageing indicator: . Sag suture obliterated internally		
			▶ Specks: Ectocranial. Pale turquoise		
			▶ Stain: Endocranial. Reddish brown		
1	Skull	Parietal	Skull vault w parietal striae	White	5036
			▶ Stain: Endocranial. Reddish brown		
1 L	Skull	Zygomatic	Frontal process	White	5037
12	Skull	Temporal bone	Frag	White	5038
			▶ Poor calcination: Inside bone. Light to mid grey		
1 R	Skull	Temporal bone	Petrous process	White	5039
3	Skull	Maxilla	Frag w sinuses	White	5040
1 R	Skull	Maxilla	Alveolar process	White	5041
5	Skull	Mandible	Frag of body	White	5042

Osteological data report for Kirkpark, Inveresk

32.12.4 Bone fragments in 'EA 117'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Skull	Mandible	Frag of condyle ▶ Poor calcination: Inside spongy bone. Dark grey	White	5043
1	Skull	Mandible	Frag of condyle	White	5044
1	Skull	Dentition	Max 3rd molar ▶ Ageing indicator: . Max 3rd molar fully formed, age over 21		5045
1	Skull	Dentition	Max 2nd molar		5046
1	Skull	Dentition	Max 1st molar		5047
1	Skull	Dentition	Max 1st molar		5048
1	Skull	Dentition	Frag, max 2nd molar		5049
1	Skull	Dentition	Frag, max 2nd molar ▶ Duplicate: .		5050
1	Skull	Dentition	Frag, max 1st or 2nd molar		5051
1	Skull	Dentition	Frag, max 1st premolar		5052
1	Skull	Dentition			5053
1	Skull	Dentition	Frag, max 1st perm incisor		5054
1	Skull	Dentition	Frag, max 2nd perm incisor		5055
1	Skull	Dentition	Frag, max perm canine		5056
1	Skull	Dentition	Frag, mand 1st premolar		5057
18	Axial	Rib fragments	Shaft frags	White	5058
1	Axial	Cervical vertebra	Frag of bodies ▶ Poor calcination: Inside bone. Light grey	White	5059
1	Axial	Thoracic vertebra	Small frags of bodies	White	5060
1	Axial	Thoracic vertebra	Body ▶ Pathology: . At least 2 schmorl's nodes, c 4 mm diam	White	5061
4	Axial	Thoracic vertebra	Frag of neural arches	White	5062
3	Axial	Sacrum	Frag of bodies and alae	White	5063
1	Upper limb	Humerus	Frag of head	White	5064
2	Upper limb	Humerus	Frag of distal end, trochlea	White	5065
1	Upper limb	Scapula	Frag	White	5066
2	Upper limb	Humerus	Shaft frags	White	5067
1	Upper limb	Humerus	Shaft frag ▶ Specks: Surface, only one speck. Pale green/turquoise	White	5068
2	Upper limb	Ulna	Shaft frags	White	5069
2	Upper limb	Radius	Shaft frags ▶ Poor calcination: Inside bone. Light grey, sandwich effect	White	5070
1	Upper limb	Radius	Frag of head	White	5071
1	Upper limb	Lunate	Frag	White	5072
4	Upper limb	Hand phalanges	Frag of proximal and intermediate	White	5073
6	Lower limb	Ilium	Frag	White	5074
1	Lower limb	Ilium	Frag w auricular surface ▶ Ageing indicator: . Auricular surface too eroded to age	White	5075
1	Lower limb	Ilium	Frag w iliac crest	White	5076

Osteological data report for Kirkpark, Inveresk

32.12.4 Bone fragments in 'EA 117'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Ageing indicator: . Iliac crest unfused, age under 17-23		
6	Lower limb	Femur	Shaft frags	White	5077
2	Lower limb	Femur	Shaft frags	White	5078
			▶ Poor calcination: In medullary cavity. Mid grey		
1	Lower limb	Femur	Frag of condyle	White	5079
1	Lower limb	Ilium	Frag of acetabulum	White	5080
3	Lower limb	Tibia	Frag of tibial plateaux	White	5081
1	Lower limb	Tibia	Frag of tibial tuberosity	White	5082
2	Lower limb	Tibia	Shaft frags	White	5083
2	Lower limb	Fibula	Shaft frags	White	5084
1	Lower limb	Metatarsal bone	Frag	White	5085

Osteological data report for Longcroft

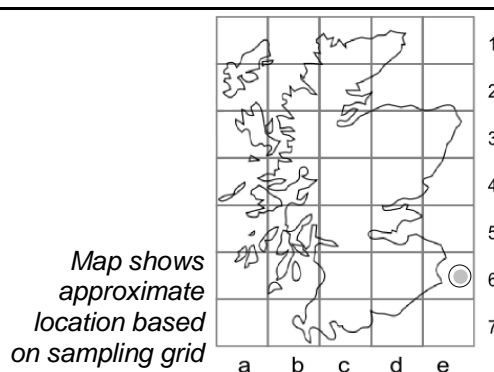
33.1 Site details for Longcroft

Classification and identification

Site type: Unknown
Canmore ref: 55981
Excavated:
Deposits: 1

Location

Local authority: Scottish Borders
Easting: 352992
Northing: 655006



Minimum number of individuals (MNI)

MNI: 1
Males: Adult:
Females: Child/adolescent:
Infant: 1

Osteological data report for Longcroft

33.2 Deposit details for 'EQ 617'

Deposit details

Deposit ID: EQ 617
Urn type: Collared urn
Entered: 14/07/2011 19:56:54

Radiocarbon date

Lab number:
BP date: 0 +/- 0
Cal BC*: 0 - 0

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant: 1
Child/adolescent:
Adult:

Composition of deposit by weight

Total initial weight: 60g
Extraneous material: 18g
Est. inclusion 2-5mm: 8g (70%)
Total human bone: 34g
Human bone weights by sieving fraction:
>10mm: 5g
5-10mm: 26g
2-5mm: 11g

Largest cranial and post cranial fragments

37.76mm Mandible
33.83mm Rib

Identified bone fragments

Total identified bone: 15g (44%)
No. of ident. fragments: 46
Mean ident. fragment: 0.33g
Identified fragment weights by body element:
Skull: 11g
Axial: 2g
Lower limb: 1g
Upper limb: 1g

Pyre inferences

Poorly calcined fragments: 2 (4%)
Turquoise staining: (%)

Osteological data report for Longcroft

33.2.1 Individuals in 'EQ 617'

No. Sex Age

1	??	Foetal/infant	Age 2.5-6, prob lower end of scale.
Ageing indicator	Femur	Femoral head unfused, age c. 0.5-19	
Ageing indicator	Metacarpal	Base of metacarpal unfused, age under 14-16	
Ageing indicator	Rib fragments	Small, look like child/infant	
Ageing indicator	Dentition	Mand 2nd dec incisor, root formed, age c. 1.5-6	
Ageing indicator	Dentition	M1 unerupted, age c. 2.5-7 years	
Ageing indicator	Occipital	V thin and delicate, suggests child/infant	
Ageing indicator	Mandible	V thin and delicate, suggests child/infant	
Ageing indicator	Unspecified	V thin and delicate, suggests child/infant	

33.2.2 Pyre goods in 'EQ 617'

Quantity Material Typology/classification Description

33.2.3 Inclusions in 'EQ 617'

Weight (g) Inclusion type

2	Pottery
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33.2.4 Bone fragments in 'EQ 617'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
32	Skull	Unspecified	Skull vault	White	5560
			▶ Ageing indicator: . V thin and delicate, suggests child/infant		
2	Skull	Temporal bone	Fragments	White	5561
			▶ Specks: Endo- and ectocranial surfaces. Pale green		
1	Skull	Zygomatic	Frag of frontal process	White	5562
1	Skull	Mandible	Frag of body	White	5563
			▶ Ageing indicator: . V thin and delicate, suggests child/infant		
1	Skull	Occipital	Frag	White	5564
			▶ Ageing indicator: . V thin and delicate, suggests child/infant		
1	Skull	Dentition	Fragments of unerupted perm 1st mand or max molar		5565
			▶ Ageing indicator: . M1 unerupted, age c. 2.5-7 years		
1	Skull	Dentition	Frag of mand dec 2nd incisor		5566
			▶ Ageing indicator: . Mand 2nd dec incisor, root formed, age c. 1.5-6		
2	Axial	Rib fragments	Shaft frags	White	5567
			▶ Ageing indicator: . Small, look like child/infant		
2	Axial	Thoracic vertebra	Sup art facets	White	5568
1	Axial	Thoracic vertebra	Frag of neural arch w sup art facet	White	5569
			▶ Poor calcination: Inside bone. Light grey		
1	Upper limb	Metacarpal	Frag of 1st	White	5570

Osteological data report for Longcroft

33.2.4 Bone fragments in 'EQ 617'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Ageing indicator: . Base of metacarpal unfused, age under 14-16		
			▶ Poor calcination: Inside bone. Mid grey		
1	Lower limb	Femur	Frag of unfused head	White	5571
			▶ Ageing indicator: . Femoral head unfused, age c. 0.5-19		

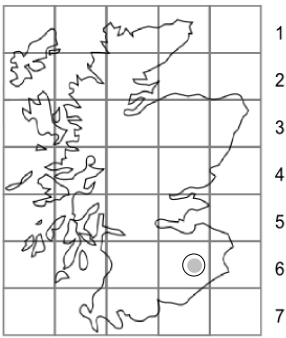
Osteological data report for Longniddry

34.1 Site details for Longniddry

Classification and identification

Site type:	Flat cemetery
Canmore ref:	54955
Excavated:	1927
Deposits:	4

Location

Local authority:	East Lothian	
Easting:	344212	
Northing:	677009	

Map shows approximate location based on sampling grid

Minimum number of individuals (MNI)

MNI:	7	
Males:	3	Adult: 3
Females:		Child/adolescent: 4
		Infant:

Osteological data report for Longniddry

34.2 Deposit details for 'EQ 503'

Deposit details

Deposit ID: EQ 503
Urn type: Cordoned urn
Entered: 18/06/2011 13:46:37

Radiocarbon date

Lab number: GrA-18016
BP date: 3305 +/- 40
Cal BC*: 1490 - 1690

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 2
Individuals by sex:
Male: 1
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 2

Composition of deposit by weight

Total initial weight: 2750g
Extraneous material: 479g
Est. inclusion 2-5mm: 0g (0%)
Total human bone: 2271g
Human bone weights by sieving fraction:
>10mm: 742g
5-10mm: 1489g
2-5mm: 40g

Largest cranial and post cranial fragments

66.9mm Occipital
101.81mm Ulna

Identified bone fragments

Total identified bone: 905g (40%)
No. of ident. fragments: 592
Mean ident. fragment: 1.53g
Identified fragment weights by body element:
Skull: 390g
Axial: 61g
Lower limb: 277g
Upper limb: 177g

Pyre inferences

Poorly calcined fragments: 41 (7%)
Turquoise staining: 2 (0%)

Osteological data report for Longniddry

34.2.1 Individuals in 'EQ 503'

No. Sex Age

1	?M	Adult		
Ageing indicator	Ilium		Greater sciatic notch scores 4, ?male	
Ageing indicator	Radius		Radial distal epiphysis unfused, age under 14-20	
Ageing indicator	Axis vertebra		Dens fully formed, age over 12	
Ageing indicator	Dentition		M3 fully formed, age over c. 21	
Ageing indicator	Dentition		M3 fully formed, age over c. 21	
Ageing indicator	Dentition		M3 fully formed, age over c. 21	
Ageing indicator	Dentition		M3 fully formed, age over c. 21	
Ageing indicator	Parietal		Sag suture almost completely obliterated	
Sexing indicator	Frontal bone		Supraorbital margin scores 4, ?male	
Sexing indicator	Frontal bone		Supraorbital margin scores 4, ?male	
Sexing indicator	Temporal bone		Mastoid process at least 3, ?sex , could be 4?	
Sexing indicator	Occipital		Thickness at cruciform eminence 43.63 mm	
2	??	Adult		
Ageing indicator	Pubis		Pubic symphysis scores 3-4, age 21-70	
Ageing indicator	Ilium		Auricular surface scores 3-4, age 30-39	
Ageing indicator	Dentition		M3 fully formed, age over c. 21	
Ageing indicator	Dentition		M3 fully formed, age over c. 21	
Ageing indicator	Dentition		M3 fully formed, age over c. 21	
Ageing indicator	Dentition		M3 fully formed, age over c. 21	
Sexing indicator	Frontal bone		Supraorbital margin scores 2, ?female	
Sexing indicator	Frontal bone		Supraorbital margin scores 2, ?female	

34.2.2 Pyre goods in 'EQ 503'

Quantity Material Typology/classification Description

34.2.3 Inclusions in 'EQ 503'

Weight (g) Inclusion type

400	Pottery
2	Charcoal

34.2.4 Bone fragments in 'EQ 503'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1E	Skull	Unspecified	Skull vault	White	5285
20	Skull	Unspecified	Skull vault	White	5286
			▶ Poor calcination: Diploe. Mid grey, sandwich effect		
11	Skull	Unspecified	Skull vault	White	5287
			▶ Stain: Endocranial. Red to reddish brown		
1	Skull	Unspecified	Skull vault	White	5288
			▶ Specks: Endocranial surface. Pale turquoise		

Osteological data report for Longniddry

34.2.4 Bone fragments in 'EQ 503'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
2	Skull	Parietal	Skull vault	White	5289
			▶ Ageing indicator: . Sag suture almost completely obliterated		
1	Skull	Frontal bone	Small frag	White	5290
3	Skull	Occipital	Skull vault	White	5291
			▶ Poor calcination: Diploe. Mid grey, sandwich effect		
6	Skull	Occipital	Skull vault	White	5292
4	Skull	Mandible	Frag of body w alveoli	White	5293
1	Skull	Mandible	Frag w mental spines	White	5294
12	Skull	Mandible	Frag of body	White	5295
1 L	Skull	Mandible	Frag of condyle	White	5296
1 L	Skull	Mandible	Frag of condyle	White	5297
			▶ Duplicate: .		
31	Skull	Dentition	Small tooth root frags		5298
2	Skull	Dentition	Frag of mand 1st perm molar, adjoining		5299
1	Skull	Dentition	Frag of max 2nd perm molar		5300
2	Skull	Dentition	Frag of max 1st or 2nd perm molar		5301
6	Skull	Dentition	Frag of mand 1st or 2nd perm molars		5302
1	Skull	Dentition	Frag of max 2nd perm molar		5303
			▶ Specks: . Pale green		
			▶ Duplicate: . Looks different from other max 2nd		
1	Skull	Dentition	Max 2nd perm molar		5304
1	Skull	Dentition	Max 2nd perm molar		5305
1	Skull	Dentition	Frag, mand perm canine		5306
1	Skull	Dentition	Mand 1st premolar		5307
1	Skull	Dentition	Frag, mand 1st premolar		5308
1	Skull	Dentition	Mand perm canine		5309
1	Skull	Dentition	Mand 1st premolar		5310
			▶ Duplicate: . Slightly smaller than others		
1	Skull	Dentition	Max 1st premolar		5311
1	Skull	Dentition	Frag, mand perm canine		5312
1	Skull	Dentition	Mand 1st perm incisor		5313
1	Skull	Dentition	Mand 1st perm incisor		5314
1	Skull	Dentition	Mand 2nd perm incisor		5315
1	Skull	Dentition	Max 3rd molar		5316
			▶ Ageing indicator: . M3 fully formed, age over c. 21		
1	Skull	Dentition	Max 3rd molar		5317
			▶ Ageing indicator: . M3 fully formed, age over c. 21		
1	Skull	Dentition	Max 3rd molar		5318
			▶ Ageing indicator: . M3 fully formed, age over c. 21		
			▶ Duplicate: .		
1	Skull	Dentition	Max 3rd molar		5319

Osteological data report for Longniddry

34.2.4 Bone fragments in 'EQ 503'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Ageing indicator: . M3 fully formed, age over c. 21		
			▶ Duplicate: . Larger than other max 3rd molars		
1	Skull	Dentition	Mand 3rd molar		5320
			▶ Ageing indicator: . M3 fully formed, age over c. 21		
1	Skull	Dentition	Mand 3rd molar		5321
			▶ Ageing indicator: . M3 fully formed, age over c. 21		
1	Skull	Dentition	Mand 3rd molar		5322
			▶ Ageing indicator: . M3 fully formed, age over c. 21		
			▶ Duplicate: .		
1	Skull	Dentition	Mand 3rd molar		5323
			▶ Ageing indicator: . M3 fully formed, age over c. 21		
			▶ Duplicate: .		
1	Skull	Occipital	Frag w cruciform eminence	White	5324
			▶ Sexing indicator: . Thickness at cruciform eminence 43.63 mm		
			▶ Stain: Endocranial, laterally. Reddish brown, slip-like		
1	R Skull	Temporal bone	Mastoid process	White	5325
			▶ Sexing indicator: . Mastoid process at least 3, ?sex , could be 4?		
1	Skull	Temporal bone	Mastoid process, frag	White	5326
1	R Skull	Frontal bone	Frag w supraorbital margin	White	5327
			▶ Sexing indicator: . Supraorbital margin scores 4, ?male		
1	L Skull	Frontal bone	Frag w supraorbital margin	White	5328
			▶ Sexing indicator: . Supraorbital margin scores 4, ?male		
2	Skull	Occipital	Frag w part of occipital sulcus	White	5329
			▶ Duplicate: . Looks smaller and more delicate than other		
1	R Skull	Frontal bone	Frag w supraorbital margin	White	5330
			▶ Sexing indicator: . Supraorbital margin scores 2, ?female		
			▶ Duplicate: .		
1	L Skull	Frontal bone	Frag w supraorbital margin	White	5331
			▶ Sexing indicator: . Supraorbital margin scores 2, ?female		
			▶ Duplicate: .		
7	Skull	Unspecified	Sphenoid/ethmoid or thereabouts	White	5332
1	R Skull	Zygomatic	Frontal process	White	5333
1	R Skull	Zygomatic	Frontal process	White	5334
			▶ Duplicate: . Smaller than other		
1	Skull	Hyoid	Small frag	White	5335
1	L Skull	Temporal bone	Petrous part	White	5336
1	L Skull	Temporal bone	Petrous part	White	5337
			▶ Duplicate: .		
1	R Skull	Temporal bone	Petrous part	White	5338
			▶ Specks: Endocranial. Pale turquoise		

Osteological data report for Longniddry

34.2.4 Bone fragments in 'EQ 503'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	R Skull	Temporal bone	Petrous part	White	5339
	▶ Duplicate: .				
10	Skull	Temporal bone	Frag	White	5340
7	Skull	Parietal	Skull vault	White	5341
8	Skull	Maxilla	Frag	White	5342
78	Axial	Rib fragments	Shaft frags	White	5343
1	Axial	Axis vertebra	Frag of body w dens	White	5344
	▶ Ageing indicator: . Dens fully formed, age over 12				
1	Axial	Cervical vertebra	Frag of body	White	5345
5	Axial	Cervical vertebra	Frag of neural arch, incl art facets	White	5346
1	Axial	Thoracic vertebra	Small frag of body	White	5347
30	Axial	Thoracic vertebra	Frag of neural arch, incl art facets	White	5348
3	Axial	Lumbar vertebra	Frag of neural arch, incl art facets	White	5349
1	Axial	Sacrum	Small frag	White	5350
8	Upper limb	Clavicle	Shaft frags	White	5351
5	Upper limb	Scapula	Frag	White	5352
1	Upper limb	Scapula	Frag w part of glenoid fossa	White	5353
1	Upper limb	Scapula	Frag w part of glenoid fossa	White	5354
13	Upper limb	Humerus	Shaft frags	White	5355
4	Upper limb	Humerus	Shaft frags	White	5356
	▶ Poor calcination: Inside bone, also some in medullary cavity. Mid grey, sandwich effect				
1	Upper limb	Humerus	Shaft frag w part of head	White	5357
	▶ Poor calcination: Throughout head. Mid to dark grey				
1	Upper limb	Humerus	Frag of distal shaft	White	5358
4	Upper limb	Humerus	Frag of distal end, trochlea	White	5359
2	Upper limb	Radius	Shaft frags	White	5360
1	Upper limb	Radius	Frag of proximal end, head	White	5361
3	Upper limb	Ulna	Shaft frags	White	5362
1	Upper limb	Ulna	Frag of proximal shaft	White	5363
1	Upper limb	Ulna	Frag of distal end	White	5364
2	Upper limb	Ulna	Frag of distal end, olecranon process	White	5365
1	Upper limb	Radius	Frag of unfused distal epiphysis	White	5366
	▶ Ageing indicator: . Radial distal epiphysis unfused, age under 14-20				
1	Upper limb	Scaphoid	Frag	White	5367
3	Upper limb	Hand phalanges	Frag, proximal and intermediate	White	5368
	▶ Poor calcination: Some on surface. Mid grey				
23	Upper limb	Hand phalanges	Frag, proximal and intermediate	White	5369
5	Upper limb	Hand phalanges	Frag and complete distal	White	5370
10	Upper limb	Metacarpal	Frag	White	5371
2	Upper limb	Metacarpal	Frag	White	5372
	▶ Poor calcination: Inside bone. Light to mid grey				
8	Lower limb	Ilium	Frag	White	5373

Osteological data report for Longniddry

34.2.4 Bone fragments in 'EQ 503'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Lower limb	Ilium	Frag w part of auricular surface ▶ Ageing indicator: . Auricular surface scores 3-4, age 30-39	White	5374
1	Lower limb	Pubis	Frag of pubic symphysis ▶ Ageing indicator: . Pubic symphysis scores 3-4, age 21-70	White	5375
1	Lower limb	Ilium	Greater sciatic notch ▶ Ageing indicator: . Greater sciatic notch scores 4, ?male	White	5376
15	Lower limb	Femur	Shaft frags	White	5377
4	Lower limb	Femur	Shaft frags ▶ Poor calcination: Inside bone. Light to mid grey, sandwich effect	White	5378
3	Lower limb	Femur	Frag of distal end, condyles	White	5379
1	Lower limb	Patella	Frag	White	5380
1	Lower limb	Patella	Frag	White	5381
13	Lower limb	Tibia	Shaft frags	White	5382
2	Lower limb	Tibia	Shaft frags ▶ Poor calcination: Inside bone, some in medullary cavity. Light to mid grey, sandwich effect	White	5383
1	Lower limb	Tibia	Shaft frag ▶ Stain: Outer surface of bone, proximally. Reddish brown	White	5384
5	Lower limb	Tibia	Frag of proximal end, epicondyles	White	5385
3	Lower limb	Fibula	Shaft frags	White	5386
1	Lower limb	Talus	Frag	White	5387
1	Lower limb	Lateral cuneiform	Frag ▶ Poor calcination: Inside bone. Light grey	White	5388
1	Lower limb	Intermediate cuneiform	Frag ▶ Poor calcination: Inside bone. Light grey	White	5389
4	Lower limb	Metatarsal bone	Frag	White	5390
1	Lower limb	Foot phalanges	Complete intermediate	White	5391

Osteological data report for Longniddry

34.2 Deposit details for 'EQ 504'

Deposit details

Deposit ID: EQ 504
Urn type: Collared urn
Entered: 18/06/2011 13:46:43

Radiocarbon date

Lab number:
BP date: 0 +/- 0
Cal BC*: 0 - 0

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 2
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent: 2
Adult:

Composition of deposit by weight

Total initial weight: 969g
Extraneous material: 73g
Est. inclusion 2-5mm: 45g (40%)
Total human bone: 851g
Human bone weights by sieving fraction:
>10mm: 442g
5-10mm: 341g
2-5mm: 113g

Largest cranial and post cranial fragments

76.47mm Parietal
94.33mm Femur

Identified bone fragments

Total identified bone: 266g (31%)
No. of ident. fragments: 210
Mean ident. fragment: 1.27g
Identified fragment weights by body element:
Skull: 130g
Axial: 27g
Lower limb: 66g
Upper limb: 43g

Pyre inferences

Poorly calcined fragments: 38 (18%)
Turquoise staining: (%)

Osteological data report for Longnidry

34.4.1 Individuals in 'EQ 504'

No. Sex Age

1	??	Child/adolescent 2.5-7 years	Ageing indicator	Ischium	Looks small and unfused, young child, over 1 year
			Ageing indicator	Dentition	Dec molar root formed, age c. 2.5-7
			Ageing indicator	Dentition	Mand dec canine, root formed, age 2.5-7
			Ageing indicator	Dentition	Mand 1st perm molar unerupted, age 2.5-7
			Ageing indicator	Maxilla	Clear that teeth are still erupting, juvenile
2	??	Child/adolescent 12-16 years.	Ageing indicator	Femur	Head of femur unfused, age under 12-19
			Ageing indicator	Hand phalanges	Hand phalanges bases unfused, age under 14-16
			Ageing indicator	Hand phalanges	Bases of hand phalanges unfused, age under 14-16
			Ageing indicator	Metacarpal	Metacarpal head unfused, age under 14-16
			Ageing indicator	Radius	Distal epiphysis unfused, age under 14-17
			Ageing indicator	Axis vertebra	Dens fully formed, age over 12
			Ageing indicator	Dentition	Max 1st-2nd perm molar roots, age over 10
			Ageing indicator	Dentition	Mand 1st-2nd perm molar, roots formed, age over 10
			Ageing indicator	Occipital	Spheno-occipital synchondrosis, age under 18-25
			Ageing indicator	Parietal	Lambd suture open
			Ageing indicator	Unspecified	Skull vault seems v thin, ?juvenile

34.4.2 Pyre goods in 'EQ 504'

Quantity Material Typology/classification Description

34.4.3 Inclusions in 'EQ 504'

Weight (g) Inclusion type

38 Pottery

34.4.4 Bone fragments in 'EQ 504'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
61	Skull	Unspecified	Skull vault ▶ Ageing indicator: . Skull vault seems v thin, ?juvenile	White	3603
24	Skull	Unspecified	Skull vault ▶ Poor calcination: Diploe. Light to dark grey, sandwich effect	White	3604
5	Skull	Parietal	Skull vault ▶ Ageing indicator: . Lambd suture open	White	3605
1	Skull	Occipital	Frag w cruciform eminence	White	3606
1	Skull	Occipital	Frag w spheno-occipital synchondrosis ▶ Ageing indicator: . Spheno-occipital synchondrosis, age under 18-25	White	3607
3	Skull	Frontal bone	Frag w cruciform eminence	White	3608
1	L Skull	Maxilla	Frag of alveolar process, w alveoli	White	3609
1	R Skull	Maxilla	Frag of alveolar process, w alveoli	White	3610

Osteological data report for Longniddry

34.4.4 Bone fragments in 'EQ 504'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
			▶ Ageing indicator: . Clear that teeth are still erupting, juvenile		
3	Skull	Unspecified	Facial skeleton, prob maxilla	White	3611
4	Skull	Mandible	Frag of body w alveoli	White	3612
1	Skull	Mandible	Frag w mental spines	White	3613
1	L Skull	Temporal bone	Petrous part	White	3614
1	R Skull	Temporal bone	Petrous part	White	3615
4	Skull	Temporal bone	Frag	White	3616
1	Skull	Temporal bone	Frag of mastoid process	White	3617
1	R Skull	Temporal bone	Frag w art eminence and mand fossa	White	3618
1	Skull	Dentition	Unerupted crown, mand 1st perm molar		3619
			▶ Ageing indicator: . Mand 1st perm molar unerupted, age 2.5-7		
3	Skull	Dentition	Frag of mand 1st or 2nd perm molar roots		3620
			▶ Ageing indicator: . Mand 1st-2nd perm molar, roots formed, age over 10		
2	Skull	Dentition	Frag of max 1st or 2nd perm molar roots		3621
			▶ Ageing indicator: . Max 1st-2nd perm molar roots, age over 10		
1	Skull	Dentition	Root, mand dec canine		3622
			▶ Ageing indicator: . Mand dec canine, root formed, age 2.5-7		
1	Skull	Dentition	Frag of dec molar root		3623
			▶ Ageing indicator: . Dec molar root formed, age c. 2.5-7		
45	Axial	Rib fragments	Shaft frags	White	3624
1	Axial	Axis vertebra	Dens	White	3625
			▶ Ageing indicator: . Dens fully formed, age over 12		
3	Axial	Cervical vertebra	Frag of neural arches, art facets	White	3626
2	Axial	Thoracic vertebra	Frag of neural arches, art facets	White	3627
2	Axial	Lumbar vertebra	Frag of neural arches, art facets	White	3628
1	Upper limb	Scapula	Frag of scapular neck	White	3629
			▶ Poor calcination: Inside spongy bone. Light grey, sandwich effect		
2	Upper limb	Humerus	Shaft frags	White	3631
			▶ Poor calcination: Medullary cavity. Light grey		
1	Upper limb	Humerus	Shaft frag	White	3632
			▶ Cremation slag: Adhering to bone surface. Sandy residue, like sandpaper		
4	Upper limb	Ulna	Shaft frags	White	3633
			▶ Poor calcination: Medullary cavity. Light grey		
3	Upper limb	Radius	Shaft frags	White	3634
1	Upper limb	Radius	Shaft frag	White	3635
			▶ Poor calcination: Throughout bone in one end. Mid grey		
1	Upper limb	Radius	Distal end	White	3636
			▶ Ageing indicator: . Distal epiphysis unfused, age under 14-17		
1	Upper limb	Metacarpal	Frag	White	3637

Osteological data report for Longniddry

34.4.4 Bone fragments in 'EQ 504'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Ageing indicator: . Metacarpal head unfused, age under 14-16		
5	Upper limb	Hand phalanges	Frag, proximal and intermediate	White	3638
			▶ Ageing indicator: . Bases of hand phalanges unfused, age under 14-16		
			▶ Poor calcination: Patches on bone surface. Light to mid grey		
1	Upper limb	Hand phalanges	Unfused epiphyseal plate	White	3639
			▶ Ageing indicator: . Hand phalanges bases unfused, age under 14-16		
1	Lower limb	Ilium	Frag	White	3640
1 R	Lower limb	Ischium	Ischial acetabular surface	White	3641
			▶ Ageing indicator: . Looks small and unfused, young child, over 1 year		
8	Lower limb	Femur	Shaft frags	White	3642
1	Lower limb	Femur	Proximal shaft	White	3643
1	Lower limb	Femur	Unfused head	White	3644
			▶ Ageing indicator: . Head of femur unfused, age under 12-19		
1	Lower limb	Patella	Frag	White	3645
			▶ Poor calcination: Inside bone, posteriorly. Light grey		
2	Lower limb	Tibia	Shaft frags	White	3646
1	Lower limb	Intermediate cuneiform	Frag	White	3647

Osteological data report for Longniddry

34.2 Deposit details for 'EQ 502 or EQ 505'

Deposit details

Deposit ID: EQ 502 or EQ 505
Urn type: Uncertain
Entered: 24/06/2011 14:23:53

Radiocarbon date

Lab number:
BP date: 0 +/- 0
Cal BC*: 0 - 0

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 2
Individuals by sex:
Male: 1
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent: 2
Adult:

Composition of deposit by weight

Total initial weight: 950g
Extraneous material: 35g
Est. inclusion 2-5mm: 14g (30%)
Total human bone: 901g
Human bone weights by sieving fraction:
>10mm: 501g
5-10mm: 366g
2-5mm: 48g

Largest cranial and post cranial fragments

48.47mm Mandible
73.6mm Ulna

Identified bone fragments

Total identified bone: 312g (35%)
No. of ident. fragments: 236
Mean ident. fragment: 1.32g
Identified fragment weights by body element:
Skull: 145g
Axial: 20g
Lower limb: 113g
Upper limb: 34g

Pyre inferences

Poorly calcined fragments: 122 (52%)
Turquoise staining: 7 (3%)

Osteological data report for Longniddry

34.6.1 Individuals in 'EQ 502 or EQ 505'

No. Sex Age

1 ?M Child/adolescent C. 14-20 years.

Ageing indicator	Femur	Femoral head unfused, age under 12-19
Ageing indicator	Humerus	Humeral head fused, age over 13-20
Ageing indicator	Humerus	Head of humerus unfused, age under 13-20
Ageing indicator	Hand phalanges	Base fused, age over 14-16
Sexing indicator	Mandible	Mental eminence scores 4, ?male

2 ?? Child/adolescent C. 7-12 years.

Ageing indicator	Hand phalanges	Bases unfused, under 14-16
Ageing indicator	Dentition	Max 2nd premolar unerupted, age c. 7-12

34.6.2 Pyre goods in 'EQ 502 or EQ 505'

Quantity Material Typology/classification Description

34.6.3 Inclusions in 'EQ 502 or EQ 505'

Weight (g) Inclusion type

2	Pottery
1	Charcoal

34.6.4 Bone fragments in 'EQ 502 or EQ 505'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
47	Skull	Unspecified	Skull vault	White	3781
15	Skull	Unspecified	Skull vault	White	3782
			► Poor calcination: Endocranial surface. Blue-grey layer		
57	Skull	Unspecified	Skull vault	White	3783
			► Poor calcination: Diploe, also on endo- and ectocranial surfaces. Light to mid grey, sandwich effect		
3	Skull	Unspecified	Skull vault	White	3784
			► Poor calcination: Diploe. Mid grey, sandwich effect		
			► Specks: On both surfaces. Pale turquoise		
1	Skull	Occipital	Skull vault	White	3785
			► Poor calcination: Endocranial surface. Blue-grey		
1	Skull	Occipital	Frag w border of foramen magnum	White	3786
			► Specks: . Pale turquoise		
4	Skull	Parietal	Skull vault, including parietal striae	White	3787
			► Poor calcination: Endocranial surface (blue) and ectocranial (grey). Blue-grey and mid grey		
3	Skull	Parietal	Skull vault	White	3788
2	Skull	Sphenoid	Fragments	White	3789
6	Skull	Temporal bone	Fragments	White	3790
			► Poor calcination: Inside bone. Mid grey		

Osteological data report for Longniddry

34.6.4 Bone fragments in 'EQ 502 or EQ 505'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	L Skull	Temporal bone	Petrous part ▶ Poor calcination: Surface of bone. Mid grey	White	3791
5	Skull	Mandible	Frag of body ▶ Poor calcination: Inside bone. Mid to dark grey, sandwich effect	White	3792
1	Skull	Mandible	Frag of body w alveoli and mental spines ▶ Sexing indicator: . Mental eminence scores 4, ?male	White	3793
1	R Skull	Maxilla	Frag of alveolar process	White	3794
5	Skull	Unspecified	Facial skeleton	White	3795
1	R Skull	Zygomatic	Frontal process ▶ Specks: Both endo- and ectocranially. Pale green/turquoise	White	3796
1	L Skull	Zygomatic	Frag w frontal process ▶ Specks: Ectocranially. Pale green/turquoise	White	3797
22	Axial	Rib fragments	Shaft frags	White	3798
1	Axial	Rib fragments	Shaft frag ▶ Specks: On surface. Pale turquoise	White	3799
2	Axial	Axis vertebra	Frag of body and dens ▶ Poor calcination: On surface. Light to mid grey	White	3800
1	Axial	Cervical vertebra	Frag of body	White	3801
1	Axial	Thoracic vertebra	Frag of neural arch, art surfaces	White	3802
1	Axial	Lumbar vertebra	Frag of sup art facet	White	3803
1	Skull	Dentition	Max 1st perm incisor		3804
1	Skull	Dentition	Mand 2nd perm incisor		3805
1	Skull	Dentition	Max 2nd perm incisor		3806
2	Skull	Dentition	Frag of mand 1st or 2nd perm molars		3807
1	Skull	Dentition	Unerrupted crown, max 2nd premolar ▶ Ageing indicator: . Max 2nd premolar unerrupted, age c. 7-12		3808
1	Upper limb	Scapula	Frag	White	3809
1	Upper limb	Scapula	Frag of glenoid	White	3810
1	Upper limb	Scapula	Frag w part of acromion	White	3811
1	Upper limb	Humerus	Shaft frag ▶ Poor calcination: Medullary cavity, only a little. Dark grey ▶ Stain: Surface of bone. Pale red	White	3812
1	Upper limb	Humerus	Frag of distal end, trochlea	White	3813
1	Upper limb	Radius	Frag of head	White	3814
2	Upper limb	Radius	Shaft frags ▶ Poor calcination: Inside bone. Light grey, sandwich effect	White	3815
1	Upper limb	Radius	Frag of distal end	White	3816
1	L Upper limb	Ulna	Frag of olecranon process ▶ Poor calcination: Inside spongy bone. Mid grey	White	3817
1	R Upper limb	Ulna	Frag of olecranon process	White	3818

Osteological data report for Longniddry

34.6.4 Bone fragments in 'EQ 502 or EQ 505'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Poor calcination: Inside bone. Mid grey		
3	Upper limb	Ulna	Shaft frags	White	3819
			▶ Poor calcination: Som on surface. Light to mid grey		
1 R	Upper limb	Ulna	Frag of distal end, styloid process	White	3820
2	Upper limb	Metacarpal	Frag	White	3821
2	Upper limb	Hand phalanges	Frag, proximal and intermediate	White	3822
			▶ Ageing indicator: . Bases unfused, under 14-16		
1	Upper limb	Hand phalanges	Frag, distal	White	3823
			▶ Ageing indicator: . Base fused, age over 14-16		
1	Upper limb	Humerus	Frag of proximal shaft	White	3824
			▶ Ageing indicator: . Head of humerus unfused, age under 13-20		
1	Upper limb	Humerus	Frag of proximal shaft w part of head	White	3825
			▶ Ageing indicator: . Humeral head fused, age over 13-20		
			▶ Poor calcination: Inside spongy bone. Mid grey		
4	Lower limb	Ilium	Frag	White	3826
			▶ Poor calcination: Some, on surface. Light to mid grey		
2	Lower limb	Femur	Frag of head and neck	White	3827
			▶ Ageing indicator: . Femoral head unfused, age under 12-19		
3	Lower limb	Femur	Frag of distal end, condyles	White	3828
1	Lower limb	Femur	Frag of distal shaft	White	3829
5	Lower limb	Femur	Shaft frags	White	3830
			▶ Poor calcination: Medullary cavity. Light grey		
7	Lower limb	Femur	Shaft frags	White	3831
			▶ Poor calcination: Medullary cavity, sometimes complete frags. Mid to dark grey with some blue		
1	Lower limb	Patella	Frag	White	3832
2	Lower limb	Tibia	Frag of tibial plateau	White	3833
			▶ Poor calcination: Some on surface of plateau. Mid grey		
1	Lower limb	Tibia	Shaft frag	White	3834
			▶ Poor calcination: Medullary cavity. Light grey		

Osteological data report for Longniddry

34.2 Deposit details for 'EQ 505 or EQ 502'

Deposit details

Deposit ID: EQ 505 or EQ 502
Urn type: Uncertain
Entered: 28/06/2011 18:27:21

Radiocarbon date

Lab number:
BP date: 0 +/- 0
Cal BC*: 0 - 0

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male: 1
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 1263g
Extraneous material: 106g
Est. inclusion 2-5mm: 2g (5%)
Total human bone: 1155g
Human bone weights by sieving fraction:
>10mm: 929g
5-10mm: 190g
2-5mm: 38g

Largest cranial and post cranial fragments

62.7mm Parietal
93.64mm Femur

Identified bone fragments

Total identified bone: 506g (44%)
No. of ident. fragments: 138
Mean ident. fragment: 3.67g
Identified fragment weights by body element:
Skull: 179g
Axial: 58g
Lower limb: 175g
Upper limb: 94g

Pyre inferences

Poorly calcined fragments: 18 (13%)
Turquoise staining: 29 (21%)

Osteological data report for Longniddry

34.8.1 Individuals in 'EQ 505 or EQ 502'

No.	Sex	Age	
1	?M	Adult	Age c. 20-25. Pelvis indicates male.
	Ageing indicator	Ilium	Auricular surface scores 1-2, age c. 20-29
	Ageing indicator	Ilium	Iliac crest line of fusion visible, age c. 17-23+
	Ageing indicator	Sacrum	Appears not to have fused w S2, age under mid 20s
	Ageing indicator	Axis vertebra	Dens fully formed, age over 12
	Ageing indicator	Parietal	Sag suture obliterated internally
	Sexing indicator	Ilium	Greater sciatic notch scores 4, ?male
	Sexing indicator	Frontal bone	Supraorbital margin scores 2, ?female

34.8.2 Pyre goods in 'EQ 505 or EQ 502'

Quantity	Material	Typology/classification	Description
1	Flint		Burnt, 5 g

34.8.3 Inclusions in 'EQ 505 or EQ 502'

Weight (g) Inclusion type

34.8.4 Bone fragments in 'EQ 505 or EQ 502'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
19	Skull	Unspecified	Skull vault	White	5086
4	Skull	Unspecified	Skull vault	White	5087
			► Specks: Endocranial surface. Pale turquoise		
6	Skull	Unspecified	Skull vault	White	5088
			► Stain: Endocranial surface. Red or reddish brown, slip-like in places		
3	Skull	Parietal	Skull vault	White	5089
			► Ageing indicator: . Sag suture obliterated internally		
3	Skull	Occipital	Skull vault	White	5090
1	Skull	Occipital	Skull vault	White	5091
			► Poor calcination: Diploe. Mid grey, sandwich effect		
1	Skull	Occipital	Occipital condyle	White	5092
2	Skull	Unspecified	Facial skeleton	White	5093
5	Skull	Temporal bone	Frag	White	5094
1	R Skull	Temporal bone	Petrous part	White	5095
			► Specks: Endocranial surface. Pale turquoise		
2	Skull	Maxilla	Frag of alveolar process	White	5096
			► Poor calcination: Inside spongy bone. Light grey		
1	Skull	Frontal bone	Frag w supraorbital margin	White	5097
			► Sexing indicator: . Supraorbital margin scores 2, ?female		
			► Specks: Endocranial surface. Pale green/turquoise		
1	L Skull	Zygomatic	Frag	White	5098
			► Specks: Ectocranial surface. Pale turquoise		

Osteological data report for Longniddry

34.8.4 Bone fragments in 'EQ 505 or EQ 502'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	R Skull	Mandible	Frag of asc ramus	White	5099
			▶ Specks: Bone surface. Pale turquoise		
1	L Skull	Mandible	Frag of body w alveoli	White	5100
1	R Skull	Mandible	Frag of condyle	White	5101
1	L Skull	Mandible	Frag of condyle	White	5102
1	Skull	Dentition	Mand perm canine		5103
1	Skull	Dentition	Frag of mand 1st or 2nd perm molar		5104
9	Axial	Rib fragments	Shaft frags	White	5105
1	Axial	Cervical vertebra	Frag of body	White	5106
			▶ Specks: Widespread. Pale turquoise		
1	Axial	Axis vertebra	Frag	White	5107
			▶ Ageing indicator: . Dens fully formed, age over 12		
1	Axial	Atlas vertebra	Frag	White	5108
			▶ Specks: Neural arch. Pale turquoise		
3	Axial	Thoracic vertebra	Frag of bodies	White	5109
1	Axial	Thoracic vertebra	Spinous process	White	5110
1	Axial	Lumbar vertebra	Frag of body	White	5111
9	Axial	Sacrum	Frag of bodies and alae	White	5112
7	Axial	Sacrum	Frag of bodies and alae	White	5113
			▶ Specks: Widespread. Pale turquoise		
1	Upper limb	Clavicle	Frag	White	5114
2	Upper limb	Humerus	Shaft frags	White	5115
4	Upper limb	Humerus	Shaft frags	White	5116
			▶ Poor calcination: Inside bone. Light grey, sandwich effect		
1	Upper limb	Humerus	Frag of distal end, trochlea	White	5117
3	Upper limb	Ulna	Shaft frags	White	5118
			▶ Specks: Outer surface, large area is covered. Pale green		
5	Upper limb	Radius	Shaft frags	White	5119
			▶ Specks: On surface, few and scattered specks. Pale turquoise		
1	Upper limb	Radius	Shaft frag	White	5120
1	L Upper limb	Scapula	Frag of glenoid fossa	White	5121
			▶ Specks: A few on surface. Pale turquoise		
1	L Upper limb	Ulna	Frag of distal shaft and head	White	5122
			▶ Specks: Just one on surface of shaft. Pale turquoise		
2	Upper limb	Hand phalanges	Frag of intermediate	White	5123
1	Upper limb	Hand phalanges	Complete distal	White	5124
1	Axial	Sacrum	Frag of S1	White	5125
			▶ Ageing indicator: . Appears not to have fused w S2, age under mid 20s		
			▶ Specks: Widespread but not many. Pale turquoise		
2	Lower limb	Ilium	Frag	White	5126
2	Lower limb	Ilium	Frag w iliac crest	White	5127

Osteological data report for Longniddry

34.8.4 Bone fragments in 'EQ 505 or EQ 502'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Ageing indicator: . Iliac crest line of fusion visible, age c. 17-23+		
1	R Lower limb	Ilium	Frag w auricular surface and greater sciatic notch	White	5128
			▶ Ageing indicator: . Auricular surface scores 1-2, age c. 20-29		
			▶ Sexing indicator: . Greater sciatic notch scores 4, ?male		
			▶ Specks: Widespread on surface. Pale turquoise		
1	Lower limb	Ilium	Acetabulum	White	5129
			▶ Specks: Most of acetabulum is pale green. Pale green		
5	Lower limb	Femur	Shaft frags	White	5130
			▶ Poor calcination: Medullary cavity, only in places. Light to mid grey		
3	Lower limb	Femur	Shaft frags, incl w linea aspera	White	5131
			▶ Poor calcination: Medullary cavity, only limited. Light to mid grey		
			▶ Specks: On outer surface, few but widespread specks. Pale turquoise		
2	Lower limb	Femur	Shaft frags	White	5132
1	Lower limb	Femur	Frag of distal end, condyle	White	5133
1	Lower limb	Tibia	Shaft frag	White	5134
2	Lower limb	Tibia	Shaft frags	White	5135
			▶ Specks: On outer surface, quite large areas. Pale green		
2	Lower limb	Fibula	Shaft frags	White	5136
1	L Lower limb	Navicular	Frag	White	5137
			▶ Poor calcination: Line of grey inside spongy bone. Mid grey		
1	R Lower limb	Navicular	Frag	White	5138
			▶ Poor calcination: Line of grey inside spongy bone. Mid grey		
1	Lower limb	Metatarsal bone	Almost complete 1st	White	5139
			▶ Poor calcination: Inside spongy bone at base. Mid to dark grey		
2	Lower limb	Metatarsal bone	Frag	White	5140

Osteological data report for Magdalen Bridge

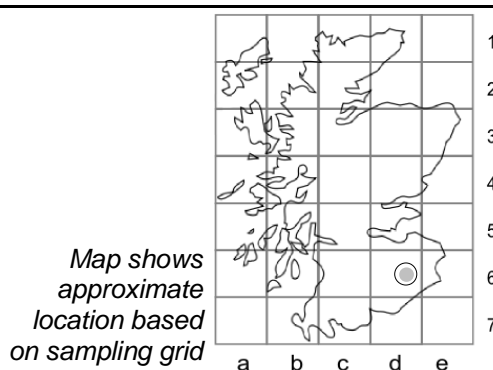
35.1 Site details for Magdalen Bridge

Classification and identification

Site type: Flat cemetery, cist
Canmore ref: 53863
Excavated: 1882
Deposits: 4

Location

Local authority: Edinburgh, City of
Easting: 332589
Northing: 673221



Minimum number of individuals (MNI)

MNI: 5
Males: Adult: 4
Females: 2 Child/adolescent:
Infant: 1

Osteological data report for Magdalen Bridge

35.2 Deposit details for 'EA 43'

Deposit details

Deposit ID: EA 43
Urn type: Cordoned urn
Entered: 24/11/2010 16:35:36

Radiocarbon date

Lab number:
BP date: +/-
Cal BC*: -

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 843g
Extraneous material: 75g
Est. inclusion 2-5mm: 15g (30%)
Total human bone: 753g
Human bone weights by sieving fraction:
>10mm: 567g
5-10mm: 150g
2-5mm: 51g

Largest cranial and post cranial fragments

56.92mm Parietal
87.6mm Radius

Identified bone fragments

Total identified bone: 321g (43%)
No. of ident. fragments: 132
Mean ident. fragment: 2.43g
Identified fragment weights by body element:
Skull: 147g
Axial: 56g
Lower limb: 72g
Upper limb: 46g

Pyre inferences

Poorly calcined fragments: 71 (54%)
Turquoise staining: 9 (7%)

Osteological data report for Magdalen Bridge

35.2.1 Individuals in 'EA 43'

No. Sex Age

1	??	Adult		
Ageing indicator	Ilium		Auricular surface too damaged to age	
Ageing indicator	Ilium		Iliac crest fused, age over 17-23	
Ageing indicator	Lumbar vertebra		Annular ring fused, age over mid-twenties	
Ageing indicator	Thoracic vertebra		Annular rings fused, age over mid-twenties	
Ageing indicator	Cervical vertebra		Annular ring fused, age over mid-twenties	
Ageing indicator	Cervical vertebra		Annular ring fused, age over mid-twenties	
Ageing indicator	Occipital		Lambdoid suture obliterated internally	
Ageing indicator	Unspecified		Sutures open	
Ageing indicator	Unspecified		Sutures open	
Sexing indicator	Temporal bone		Mastoid process scores 3, sex unknown	
Sexing indicator	Occipital		Skull vault thin, seen clearly here, and elsewhere	

35.2.2 Pyre goods in 'EA 43'

Quantity Material Typology/classification Description

35.2.3 Inclusions in 'EA 43'

Weight (g) Inclusion type

55 Pottery

35.2.4 Bone fragments in 'EA 43'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
6	Skull	Unspecified	Facial skeleton	White	2953
16	Skull	Unspecified	Skull vault	White	2954
			► Poor calcination: Diploe, sometimes also endocranial surface. Light to mid grey, sandwich effect		
			► Ageing indicator: . Sutures open		
4	Skull	Unspecified	Skull vault, v small frags	White	2955
4	Skull	Unspecified	Skull vault	White	2956
			► Poor calcination: Diploe. Light grey		
			► Stain: Ectocranial surface. Pale red		
			► Ageing indicator: . Sutures open		
5	Skull	Unspecified	Skull vault	White	2957
			► Poor calcination: Diploe. Light to mid grey		
			► Stain: Endocranial surface. Pink and orange		
4	Skull	Unspecified	Skull vault	White	2958
			► Poor calcination: Diploe. Light grey		
			► Specks: Ectocranial surface. Pale turquoise		
1	Skull	Unspecified	Skull vault	White	2959
			► Poor calcination: Ectocranial surface, all of fragment. Mid to dark grey		
5	Skull	Parietal	Skull vault	White	2960

Osteological data report for Magdalen Bridge

35.2.4 Bone fragments in 'EA 43'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Poor calcination: Diploe. Light grey sandwich effect		
			▶ Stain: Endocranial surface. Red to pink and orange, slip-like in places		
1	Skull	Parietal	W parietal striae	White	2961
			▶ Stain: Endocranial surface. Red to brownish orange		
2	Skull	Parietal	Skull vault	White	2962
			▶ Poor calcination: Diploe. Light to mid grey, sandwich effect		
			▶ Stain: Endocranial surface. Red to orange, almost slip-like in places		
			▶ Stain: Ectocranial surface. Brown, sliplike, like blotches		
3	Skull	Occipital	W cruciform eminence and transverse sulcus	White	2963
			▶ Poor calcination: Diploe. Light to mid grey, sandwich effect		
			▶ Stain: Endocranial surface. Pale red to orange		
			▶ Ageing indicator: . Lambdoid suture obliterated internally		
			▶ Sexing indicator: . Skull vault thin, seen clearly here, and elsewhere		
2	Skull	Mandible	Frag of body w alveoli	White	2964
			▶ Poor calcination: Inside bone. Light grey		
2	Skull	Mandible	Frag of ascending ramus	White	2965
			▶ Stain: Medial surface. Reddish brown		
1	Skull	Mandible	Frag of body	White	2966
1	Skull	Sphenoid	Frag	White	2967
1	L Skull	Zygomatic	Almost complete	White	2968
			▶ Poor calcination: Diploe. Light grey, sandwich effect		
1	R Skull	Zygomatic	Frontal process	White	2969
			▶ Specks: Few specks, posterior. Pale turquoise		
2	Skull	Temporal bone	Frag of mastoid process	White	2970
1	L Skull	Temporal bone	Frag w auditory meatus and mastoid process	White	2971
			▶ Sexing indicator: Mastoid process. Mastoid process scores 3, sex unknown		
			▶ Stain: Seen both endo- and ectocranially. Pale red		
8	Skull	Temporal bone	Frag	White	2972
			▶ Poor calcination: Seen inside bone. Light grey		
			▶ Stain: Endocranially. Pale reddish to brown, slip-like in places		
12	Axial	Rib fragments	Shaft frags	White	2973
1	Axial	Rib fragments	Shaft frag	White	2974
			▶ Poor calcination: Inside bone. Mid grey		
1	Axial	Rib fragments	Shaft frag	White	2975
			▶ Specks: Few, but widespread. Pale turquoise		
2	Axial	Cervical vertebra	Frag of bodies	White	2976
			▶ Ageing indicator: . Annular ring fused, age over mid-twenties		
			▶ Poor calcination: In bodies, surface. Light grey		
1	Axial	Cervical vertebra	Frag of body	White	2977

Osteological data report for Magdalen Bridge

35.2.4 Bone fragments in 'EA 43'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
			▶ Ageing indicator: . Annular ring fused, age over mid-twenties		
5	Axial	Thoracic vertebra	Frag of bodies	White	2978
			▶ Ageing indicator: . Annular rings fused, age over mid-twenties		
3	Axial	Thoracic vertebra	Frag of bodies	White	2979
			▶ Poor calcination: On surfaces of bodies. Light grey		
2	Axial	Thoracic vertebra	Frag of bodies	White	2980
			▶ Poor calcination: On surfaces of bodies. Light to mid grey		
			▶ Stain: Posteriorly. Pale red		
1	Axial	Thoracic vertebra	Frag of body	White	2981
			▶ Specks: Surface of body. Pale turquoise		
			▶ Poor calcination: Opposite surface from specks. Mid grey		
5	Axial	Thoracic vertebra	Frag of neural arches, art facets et cetera	White	2982
1	Axial	Lumbar vertebra	Frag of body	White	2983
			▶ Ageing indicator: . Annular ring fused, age over mid-twenties		
			▶ Poor calcination: On surfaces of body. Mid grey		
			▶ Stain: Posteriorly. Pale red		
1	Axial	Sacrum	Frag, S1? V damaged	White	2984
2	Axial	Sacrum	Frag of lower bodies	White	2985
1	Axial	Sacrum	Frag of S2	White	2986
			▶ Poor calcination: Lateral. Mid grey		
1	L Upper limb	Humerus	Frag of head	White	2987
1	Upper limb	Humerus	Shaft frag	White	2988
1	Upper limb	Humerus	Shaft frag	White	2989
			▶ Poor calcination: Most of fragment. Mid grey		
2	Upper limb	Ulna	Shaft frags	White	2990
1	Upper limb	Ulna	Shaft frag, distal	White	2991
			▶ Poor calcination: Towards distal end. Mid grey		
2	Upper limb	Radius	Shaft frags	White	2992
1	Upper limb	Radius	Frag of distal end	White	2993
			▶ Specks: One speck on articular surface. Pale green/turquoise		
1	Lower limb	Ilium	Frag	White	2994
			▶ Poor calcination: Only one surface and inside. Mid grey		
1	Lower limb	Ilium	Frag w iliac crest	White	2995
			▶ Ageing indicator: Iliac crest. Iliac crest fused, age over 17-23		
1	Lower limb	Ilium	Frag of acetabulum	White	2996
1	Lower limb	Ilium	Frag	White	2997
1	Lower limb	Ilium	Frag, perhaps w part of auricular surface	White	2998
			▶ Ageing indicator: . Auricular surface too damaged to age		
1	Lower limb	Ilium	Frag part of acetabulum?	White	2999

Osteological data report for Magdalen Bridge

35.2.4 Bone fragments in 'EA 43'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Poor calcination: Inside spongy bone. Light grey		
			▶ Specks: Widespread but few. Pale turquoise		
2	Lower limb	Femur	Shaft frags	White	3000
			▶ Poor calcination: Medullary cavity, only a little. Light grey		
1	Lower limb	Femur	Shaft frag	White	3001
			▶ Poor calcination: Medullary cavity. Mid to dark grey		
1	Lower limb	Femur	Frag of distal end, condyle	White	3002
1	Lower limb	Tibia	Frag of distal end	White	3003
1	L Lower limb	Fibula	Frag of distal end	White	3004
			▶ Poor calcination: Surface and inside of lateral malleolus. Mid to dark grey		
1	Skull	Dentition	Frag of molar root		3005
1	Lower limb	Fibula	Frag of proximal end	White	3006
			▶ Poor calcination: Inside spongy bone, throughout fragment. Light to mid grey		
1	Lower limb	Foot phalanges	Frag of proximal	White	3007

Osteological data report for Magdalen Bridge

35.2 Deposit details for 'EA 39'

Deposit details

Deposit ID: EA 39
Urn type: Collared urn
Entered: 24/11/2010 16:35:44

Radiocarbon date

Lab number: GrA-26142
BP date: 3445 +/- 40
Cal BC*: 1630 - 1880

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 2
Individuals by sex:
Male:
Female: 1
Individuals by age category:
Foetal/infant: 1
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 629g
Extraneous material: 71g
Est. inclusion 2-5mm: 1g (10%)
Total human bone: 557g
Human bone weights by sieving fraction:
>10mm: 403g
5-10mm: 145g
2-5mm: 10g

Largest cranial and post cranial fragments

49.02mm Unspecified
64.8mm Ulna

Identified bone fragments

Total identified bone: 185g (33%)
No. of ident. fragments: 109
Mean ident. fragment: 1.7g
Identified fragment weights by body element:
Skull: 80g
Axial: 44g
Lower limb: 35g
Upper limb: 26g

Pyre inferences

Poorly calcined fragments: 6 (6%)
Turquoise staining: 1 (1%)

Osteological data report for Magdalen Bridge

35.4.1 Individuals in 'EA 39'

No. Sex Age

1	?F	Adult	Late teens/early 20s, foetus indicates female
	Ageing indicator	Clavicle	Medial end w fusing epiphysis, age early 20s
	Ageing indicator	Cervical vertebra	Youthful appearance, not sure if ring fused
	Ageing indicator	Unspecified	Suture open
2	??	Foetal/infant	At least 22 weeks.
	Ageing indicator	Temporal bone	V small, 17.79 mm, 22 weeks foetal
	Ageing indicator	Unspecified	V thin, appears to be young child/infant

35.4.2 Pyre goods in 'EA 39'

Quantity Material Typology/classification Description

35.4.3 Inclusions in 'EA 39'

Weight (g) Inclusion type

55 Pottery

35.4.4 Bone fragments in 'EA 39'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
22	Skull	Unspecified	Skull vault	White	3008
1	Skull	Unspecified	Skull vault	White	3009
			► Specks: Ectocranial surface. Pale turquoise, ass. w large pale green stain		
1	Skull	Unspecified	Skull vault	White	3010
			► Ageing indicator: . Suture open		
2	Skull	Parietal	Skull vault	White	3011
2	Skull	Occipital	Frag w sulcus	White	3012
			► Poor calcination: Diploe. Light grey, sandwich effect		
			► Specks: Endocranial surface. Pale green, like small stain		
1	Skull	Maxilla	Facial skeleton w frontal sinus	White	3013
			► Poor calcination: Inside sinus. Light grey		
1	Skull	Unspecified	Facial skeleton	White	3014
1	Skull	Occipital	W transverse sulcus	White	3015
3	Skull	Temporal bone	Frag, including mastoid process	White	3016
1 L	Skull	Temporal bone	Frag w articular eminence and mand fossa	White	3017
2	Skull	Mandible	Frag of body w alveoli	White	3018
1	Skull	Mandible	Frag of ascending ramus	White	3019
1 R	Skull	Mandible	Frag of ascending ramus w condyle	White	3020
1	Skull	Unspecified	Skull vault	White	3021
			► Ageing indicator: . V thin, appears to be young child/infant		
1 L	Skull	Temporal bone	Petrous part	White	3022

Osteological data report for Magdalen Bridge

35.4.4 Bone fragments in 'EA 39'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	L Skull	Temporal bone	Petrous part	White	3023
			► Ageing indicator: . V small, 17.79 mm, 22 weeks foetal		
28	Axial	Rib fragments	Shaft frags	White	3024
1	Axial	Sternum	Frag of unfused manubrium	White	3025
1	Axial	Cervical vertebra	Frag of body	White	3026
			► Ageing indicator: . Youthful appearance, not sure if ring fused		
2	Axial	Thoracic vertebra	Frag of bodies	White	3027
1	Axial	Thoracic vertebra	Frag of neural arc	White	3028
4	Axial	Sacrum	Frag of bodies and posterior part	White	3029
2	Upper limb	Humerus	Frag of shaft	White	3030
2	Upper limb	Humerus	Frag of distal end, trochlea	White	3031
1	Upper limb	Ulna	Frag of shaft	White	3032
1	Upper limb	Ulna	Frag of distal shaft	White	3033
1	Upper limb	Clavicle	Medial end	White	3034
			► Ageing indicator: Medial end. Medial end w fusing epiphysis, age early 20s		
1	Upper limb	Radius	Frag of distal end	White	3035
1	Upper limb	Radius	Frag of distal end	White	3036
5	Upper limb	Metacarpal	Frag	White	3037
1	Upper limb	Hand phalanges	Frag of proximal	White	3038
2	Lower limb	Ilium	Frag	White	3039
2	Lower limb	Femur	Shaft frags	White	3040
2	Lower limb	Femur	Frag of distal end, condyles	White	3041
1	Lower limb	Tibia	Shaft frag	White	3042
2	Lower limb	Fibula	Shaft frags	White	3043
			► Poor calcination: Widespread. Light grey, sandwich effect		
1	Lower limb	Fibula	Frag of proximal end	White	3044
			► Poor calcination: Inside spongy bone. Light to mid grey		
1	Lower limb	Navicular	Frag	White	3045
1	Lower limb	Cuboid	Frag	White	3046
1	Lower limb	Lateral cuneiform	Frag	White	3047
1	Lower limb	Medial cuneiform	Frag	White	3048
1	Lower limb	Metatarsal bone	Frag	White	3049

Osteological data report for Magdalen Bridge

35.2 Deposit details for 'EA 38'

Deposit details

Deposit ID: EA 38
Urn type: Collared urn
Entered: 08/06/2011 14:17:08

Radiocarbon date

Lab number:
BP date: +/-
Cal BC*: -

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 23g
Extraneous material: 0g
Est. inclusion 2-5mm: 0g (0%)
Total human bone: 23g
Human bone weights by sieving fraction:
>10mm: 15g
5-10mm: 8g
2-5mm: 0g

Largest cranial and post cranial fragments

0mm	n/a
83.7mm	Fibula

Identified bone fragments

Total identified bone: 23g (100%)
No. of ident. fragments: 7
Mean ident. fragment: 3.29g
Identified fragment weights by body element:
Skull: 0g
Axial: 8g
Lower limb: 6g
Upper limb: 9g

Pyre inferences

Poorly calcined fragments: 3 (43%)
Turquoise staining: (%)

Osteological data report for Magdalen Bridge

35.6.1 Individuals in 'EA 38'

No. Sex Age

1 ?? Adult

Ageing indicator Fibula Fibula has adult or adolescent size
Ageing indicator Rib fragments Adult or adolescent size ribs

35.6.2 Pyre goods in 'EA 38'

Quantity Material Typology/classification Description

35.6.3 Inclusions in 'EA 38'

Weight (g) Inclusion type

35.6.4 Bone fragments in 'EA 38'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
4	Axial	Rib fragments	Shaft frags ▶ Ageing indicator: . Adult or adolescent size ribs	White	2950
2	Upper limb	Radius	Shaft frags ▶ Poor calcination: Widespread. Light grey, sandwich effect	White	2951
1	Lower limb	Fibula	Shaft frag ▶ Poor calcination: Widespread. Light grey, sandwich effect ▶ Ageing indicator: . Fibula has adult or adolescent size	White	2952

Osteological data report for Magdalen Bridge

35.2 Deposit details for 'EA 42'

Deposit details

Deposit ID: EA 42
Urn type: Cordoned urn
Entered: 18/06/2011 13:50:35

Radiocarbon date

Lab number: GrA-18025
BP date: 3280 +/- 40
Cal BC*: 1440 - 1690

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female: 1
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 682g
Extraneous material: 11g
Est. inclusion 2-5mm: 0g (0%)
Total human bone: 671g
Human bone weights by sieving fraction:
>10mm: 427g
5-10mm: 224g
2-5mm: 20g

Largest cranial and post cranial fragments

43.55mm Temporal
66.75mm Femur

Identified bone fragments

Total identified bone: 274g (41%)
No. of ident. fragments: 142
Mean ident. fragment: 1.93g
Identified fragment weights by body element:
Skull: 132g
Axial: 8g
Lower limb: 70g
Upper limb: 64g

Pyre inferences

Poorly calcined fragments: 1 (1%)
Turquoise staining: 3 (2%)

Osteological data report for Magdalen Bridge

35.8.1 Individuals in 'EA 42'

No. Sex Age

1 ?F Adult Prob mid or old adult. Unid'ed dark green frags.

Ageing indicator	Parietal	Lambd suture obliterated internally
Ageing indicator	Parietal	Sag suture almost completely obliterated
Pathology	Cervical vertebra	Marginal lipping, also suggests mature age
Sexing indicator	Mandible	Mental eminence scores 2, ?female
Sexing indicator	Frontal bone	Supraorbital margin scores 1, female
Sexing indicator	Temporal bone	Mastoid process scores 1, female

35.8.2 Pyre goods in 'EA 42'

Quantity Material Typology/classification Description

35.8.3 Inclusions in 'EA 42'

Weight (g) Inclusion type

10 Pottery

35.8.4 Bone fragments in 'EA 42'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
58	Skull	Unspecified	Skull vault	White	5659
1	Skull	Unspecified	Skull vault	White	5660
			▶ Specks: Endocranial surface. Pale green/turquoise		
4	Skull	Parietal	Skull vault	White	5661
			▶ Ageing indicator: . Sag suture almost completely obliterated		
1	Skull	Parietal	Skull vault	White	5662
			▶ Ageing indicator: . Lambd suture obliterated internally		
3	Skull	Occipital	Frag w cruciform eminence and sulci	White	5663
4	Skull	Temporal bone	Frag	White	5664
1	R Skull	Temporal bone	Mastoid process	White	5665
			▶ Sexing indicator: . Mastoid process scores 1, female		
3	Skull	Temporal bone	Mastoid process, frags	White	5666
1	R Skull	Zygomatic	Frag of frontal process	White	5667
2	Skull	Zygomatic	Small frags	White	5668
1	L Skull	Frontal bone	Frag w part of supraorbital margin	White	5669
			▶ Sexing indicator: . Supraorbital margin scores 1, female		
6	Skull	Mandible	Frag of body	White	5670
1	Skull	Mandible	Frag of body w alveoli	White	5671
1	Skull	Mandible	Frag of body w mental spines	White	5672
			▶ Sexing indicator: . Mental eminence scores 2, ?female		
1	L Skull	Mandible	Coronoid process	White	5673
1	Skull	Dentition	Small tooth root frag		5674
9	Axial	Rib fragments	Shaft frags	White	5675

Osteological data report for Magdalen Bridge

35.8.4 Bone fragments in 'EA 42'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Axial	Cervical vertebra	Frag of body ▶ Pathology: . Marginal lipping, also suggests mature age	White	5676
2	Axial	Cervical vertebra	Frag of neural arch	White	5677
2	Axial	Thoracic vertebra	Frag of bodies	White	5678
1	Axial	Thoracic vertebra	Spinous process	White	5679
1	Upper limb	Clavicle	Shaft frag	White	5680
3	Upper limb	Scapula	Frag	White	5681
5	Upper limb	Humerus	Shaft frags	White	5682
1	Upper limb	Humerus	Shaft frag ▶ Specks: Outer surface, only a few specks. Pale turquoise	White	5683
1	Upper limb	Radius	Shaft frag	White	5684
1	Upper limb	Radius	Frag of distal shaft ▶ Poor calcination: Medullary cavity. Light grey	White	5685
6	Upper limb	Ulna	Shaft frags	White	5686
1	Upper limb	Metacarpal	Frag	White	5687
4	Upper limb	Hand phalanges	Frag of proximal and intermediate	White	5688
1	Upper limb	Hand phalanges	Frag of distal	White	5689
4	Lower limb	Femur	Shaft frags	White	5690
1	Lower limb	Femur	Frag of distal end, condyles	White	5691
1	Lower limb	Patella	Frag	White	5692
1	Lower limb	Tibia	Shaft frag	White	5693
1	Lower limb	Tibia	Shaft frag ▶ Specks: On broken surface. Pale turquoise	White	5694
4	Lower limb	Fibula	Shaft frags	White	5695
1	Lower limb	Navicular	Frag	White	5696
1	Lower limb	Medial cuneiform	Frag	White	5697

Osteological data report for Melgund Muir

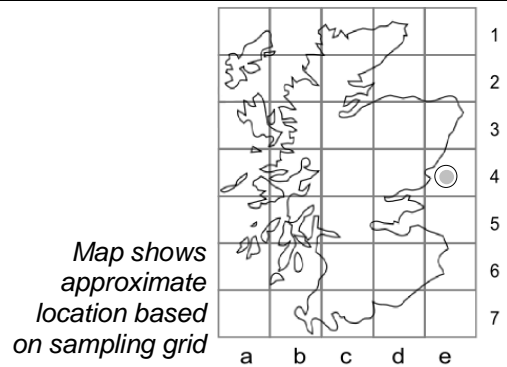
36.1 Site details for Melgund Muir

Classification and identification

Site type: Cist, single
Canmore ref: 34880
Excavated: 1943
Deposits: 1

Location

Local authority: Angus
Easting: 355049
Northing: 754466



Minimum number of individuals (MNI)

MNI: 1
Males: Adult: 1
Females: Child/adolescent:
Infant:

Osteological data report for Melgund Muir

36.2 Deposit details for 'EA 230'

Deposit details

Deposit ID: EA 230
Urn type: Vase urn
Entered: 09/06/2011 19:24:13

Radiocarbon date

Lab number: GrA-23989
BP date: 3635 +/- 45
Cal BC*: 1893 - 2136

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 140g
Extraneous material: 6g
Est. inclusion 2-5mm: 0g (0%)
Total human bone: 134g
Human bone weights by sieving fraction:
>10mm: 87g
5-10mm: 43g
2-5mm: 4g

Largest cranial and post cranial fragments

32.45mm Unspecified
50.6mm Femur

Identified bone fragments

Total identified bone: 21g (16%)
No. of ident. fragments: 18
Mean ident. fragment: 1.17g
Identified fragment weights by body element:
Skull: 11g
Axial: 0g
Lower limb: 1g
Upper limb: 9g

Pyre inferences

Poorly calcined fragments: 5 (28%)
Turquoise staining: (%)

Osteological data report for Melgund Muir

36.2.1 Individuals in 'EA 230'

No. Sex Age

1 ?? Adult

Ageing indicator Parietal Sag suture open

36.2.2 Pyre goods in 'EA 230'

Quantity Material Typology/classification Description

36.2.3 Inclusions in 'EA 230'

Weight (g) Inclusion type

36.2.4 Bone fragments in 'EA 230'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
9	Skull	Unspecified	Skull vault	White	3532
2	Skull	Unspecified	Skull vault	White	3533
			► Poor calcination: Diploe. Light grey, sandwich effect		
2	Skull	Parietal	Skull vault	White	3534
			► Ageing indicator: . Sag suture open		
1	Upper limb	Humerus	Shaft frag	White	3535
			► Poor calcination: Inside bone. Light to mid grey, sandwich effect		
2	Upper limb	Radius	Shaft frags	White	3536
			► Poor calcination: Medullary cavity. Mid grey		
2	Lower limb	Femur	Shaft frags	White	3537

Osteological data report for Mill of Marcus

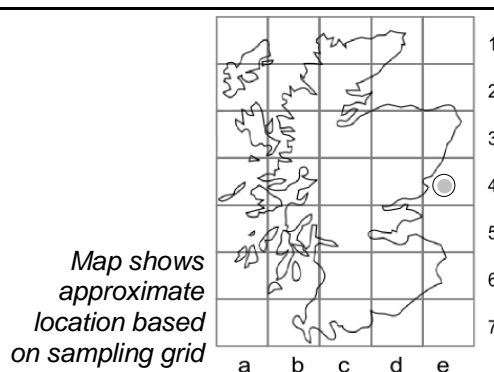
37.1 Site details for Mill of Marcus

Classification and identification

Site type: Flat cemetery
Canmore ref: 34788
Excavated: 1888
Deposits: 1

Location

Local authority: Angus
Easting: 351837
Northing: 759284



Minimum number of individuals (MNI)

MNI: 2

Males:	Adult:
Females:	Child/adolescent: 1
	Infant: 1

Osteological data report for Mill of Marcus

37.2 Deposit details for 'EQ314'

Deposit details

Deposit ID: EQ314
Urn type: Cordoned urn
Entered: 18/06/2011 13:44:46

Radiocarbon date

Lab number: GrA-18017
BP date: 3390 +/- 50
Cal BC*: 1520 - 1880

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 2
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant: 1
Child/adolescent: 1
Adult:

Composition of deposit by weight

Total initial weight: 126g
Extraneous material: 2g
Est. inclusion 2-5mm: 1g (50%)
Total human bone: 123g
Human bone weights by sieving fraction:
>10mm: 32g
5-10mm: 90g
2-5mm: 2g

Largest cranial and post cranial fragments

37.79mm Frontal
55.42mm Femur

Identified bone fragments

Total identified bone: 77g (63%)
No. of ident. fragments: 150
Mean ident. fragment: 0.51g
Identified fragment weights by body element:
Skull: 21g
Axial: 4g
Lower limb: 39g
Upper limb: 13g

Pyre inferences

Poorly calcined fragments: 19 (13%)
Turquoise staining: 1 (1%)

Osteological data report for Mill of Marcus

37.2.1 Individuals in 'EQ314'

No.	Sex	Age	
1	??	Child/adolescent	Age c. 3-6.
	Ageing indicator	Dentition	Mand 2nd premolar unerupted, age under 10-12
	Ageing indicator	Dentition	Unerupted max 1st premolar, age under 10-11
	Ageing indicator	Dentition	Unerupted mand 1st perm molar, age under 6-7
	Ageing indicator	Dentition	Unerupted max 2nd perm incisor, age under 8-9
	Ageing indicator	Dentition	Mand 1st perm incisor unerupted, age under 6-7
	Ageing indicator	Dentition	Apex not closed, age c. 2-3
	Ageing indicator	Dentition	Molar roots fully formed, age over 3
	Ageing indicator	Cuboid	Cuboid recognisable, age at least 3-7
	Ageing indicator	Ischium	Ischiopubic ramus unfused, age under 5-8
	Ageing indicator	Hand phalanges	Unfused and small, age between 1 and 6 years
	Ageing indicator	Scapula	Coracoid small, unfused, age between 1 and 6 years
	Ageing indicator	Humerus	Distal end unfused, age under 11-17
	Ageing indicator	Scapula	Acromion unfused and small, looks between 1 and 6
	Ageing indicator	Unspecified	V thin, suggests infant/ young child
2	??	Foetal/infant	
	Ageing indicator	Radius	V small, could possibly be an infant?

37.2.2 Pyre goods in 'EQ314'

Quantity Material Typology/classification Description

37.2.3 Inclusions in 'EQ314'

Weight (g) Inclusion type

1 Charcoal

37.2.4 Bone fragments in 'EQ314'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
74	Skull	Unspecified	Skull vault	White	3420
			► Ageing indicator: . V thin, suggests infant/ young child		
5	Skull	Unspecified	Skull vault	White	3421
			► Poor calcination: Either diploe or any of the surfaces, v little. Light grey		
1	Skull	Unspecified	Skull vault	White	3422
			► Specks: One of the surfaces. Pale green/turquoise		
1	Skull	Unspecified	Facial skeleton	White	3423
5	Skull	Temporal bone	Frag	White	3424
1	Skull	Frontal bone	Supraorbital margin and metopic suture	White	3425
3	Skull	Parietal	Skull vault	White	3426
1	Skull	Mandible	Frag of body	White	3427
12	Axial	Rib fragments	Shaft frags	White	3428
			► Poor calcination: Some seen inside bone. Light grey		

Osteological data report for Mill of Marcus

37.2.4 Bone fragments in 'EQ314'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
1	Axial	Thoracic vertebra	Frag of body	White	3429
1	Axial	Sacrum	Frag of body and ala	White	3430
1	Upper limb	Scapula	Acromion	White	3431
			▶ Ageing indicator: . Acromion unfused and small, looks between 1 and 6		
5	Upper limb	Humerus	Shaft frags	White	3432
1	Upper limb	Humerus	Frag of distal shaft	White	3433
			▶ Ageing indicator: . Distal end unfused, age under 11-17		
1	Upper limb	Scapula	Coracoid	White	3434
			▶ Ageing indicator: . Coracoid small, unfused, age between 1 and 6 years		
7	Upper limb	Hand phalanges	Frag and complete ones	White	3435
			▶ Ageing indicator: . Unfused and small, age between 1 and 6 years		
2	Lower limb	Ischium	Frag	White	3436
			▶ Ageing indicator: . Ischiopubic ramus unfused, age under 5-8		
			▶ Poor calcination: Inside spongy bone. Mid grey		
4	Lower limb	Femur	Shaft frags	White	3437
3	Lower limb	Tibia	Shaft frags	White	3438
1	Lower limb	Fibula	Shaft frag	White	3439
1	Lower limb	Cuboid	Frag	White	3440
			▶ Ageing indicator: . Cuboid recognisable, age at least 3-7		
5	Skull	Dentition	Small frags of unerupted crowns		3441
1	Skull	Dentition	Small root frags		3442
1	Skull	Dentition	Frag of dec molar root		3443
			▶ Ageing indicator: . Molar roots fully formed, age over 3		
1	Skull	Dentition	Frag of dec molar root		3444
			▶ Ageing indicator: . Apex not closed, age c. 2-3		
2	Skull	Dentition	Unerupted crown frags, max 1st perm incisor		3445
			▶ Ageing indicator: . Mand 1st perm incisor unerupted, age under 6-7		
1	Skull	Dentition	Unerupted crown, max 2nd perm incisor		3446
			▶ Ageing indicator: . Unerupted max 2nd perm incisor, age under 8-9		
1	Skull	Dentition	Unerupted crown, mand 1st perm molar		3447
			▶ Ageing indicator: . Unerupted mand 1st perm molar, age under 6-7		
1	Skull	Dentition	Unerupted crown, max 1st premolar		3448
			▶ Ageing indicator: . Unerupted max 1st premolar, age under 10-11		
1	Skull	Dentition	Unerupted crown, max 2nd premolar		3449
			▶ Ageing indicator: . Mand 2nd premolar unerupted, age under 10-12		
1	Skull	Occipital	Frag	White	3450
1	Upper limb	Clavicle	Shaft frag	White	3451
3	Upper limb	Radius	Shaft frags	White	3452
			▶ Ageing indicator: . V small, could possibly be an infant?		

Osteological data report for Oban, McKelvie Hospital

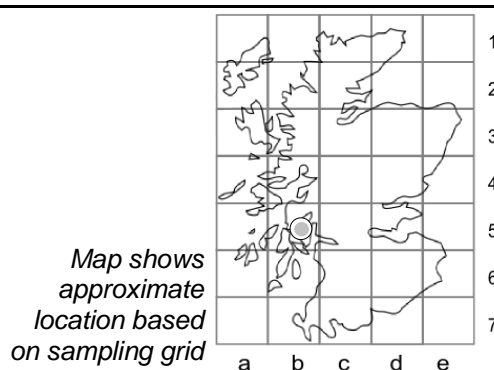
38.1 Site details for Oban, McKelvie Hospital

Classification and identification

Site type: Flat cemetery
Canmore ref: 22885
Excavated: 1897
Deposits: 1

Location

Local authority: Argyll and Bute
Easting: 184637
Northing: 726208



Minimum number of individuals (MNI)

MNI: 1
Males: Adult: 1
Females: Child/adolescent:
Infant:

Osteological data report for Oban, McKelvie Hospital

38.2 Deposit details for 'EQ 251'

Deposit details

Deposit ID: EQ 251
Urn type: Cordoned urn
Entered: 17/06/2011 18:42:50

Radiocarbon date

Lab number: GrA-24017
BP date: 3400 +/- 40
Cal BC*: 1530 - 1880

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 387g
Extraneous material: 50g
Est. inclusion 2-5mm: 6g (60%)
Total human bone: 331g
Human bone weights by sieving fraction:
>10mm: 257g
5-10mm: 70g
2-5mm: 10g

Largest cranial and post cranial fragments

49.18mm Parietal
86.9mm Humerus

Identified bone fragments

Total identified bone: 149g (45%)
No. of ident. fragments: 79
Mean ident. fragment: 1.89g
Identified fragment weights by body element:
Skull: 60g
Axial: 12g
Lower limb: 48g
Upper limb: 29g

Pyre inferences

Poorly calcined fragments: 17 (22%)
Turquoise staining: 2 (3%)

Osteological data report for Oban, McKelvie Hospital

38.2.1 Individuals in 'EQ 251'

No. Sex Age

1	??	Adult	Prob older adult
Ageing indicator	Parietal		Lambd suture obliterated internally
Ageing indicator	Parietal		Sag suture almost completely obliterated

38.2.2 Pyre goods in 'EQ 251'

Quantity Material Typology/classification Description

38.2.3 Inclusions in 'EQ 251'

Weight (g) Inclusion type

4	Charcoal
43	Pottery

38.2.4 Bone fragments in 'EQ 251'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
18	Skull	Unspecified	Skull vault	White	3681
1	Skull	Unspecified	Skull vault	White	3682
			▶ Specks: Ectocranial. Pale turquoise		
5	Skull	Unspecified	Skull vault	White	3683
			▶ Poor calcination: Diploe. Light to mid grey, sandwich effect		
5	Skull	Parietal	Skull vault	White	3684
			▶ Ageing indicator: . Sag suture almost completely obliterated		
1	Skull	Parietal	Skull vault	White	3685
			▶ Poor calcination: Diploe. Mid grey, sandwich effect		
			▶ Ageing indicator: . Lambd suture obliterated internally		
1	Skull	Temporal bone	Frag	White	3686
1	Skull	Mandible	Frag of body	White	3687
1	Skull	Mandible	Frag of condyle	White	3688
1	Skull	Mandible	Frag of condyle	White	3689
1	Skull	Frontal bone	Frag w frontal crest	White	3690
14	Axial	Rib fragments	Shaft frags	White	3691
1	Axial	Rib fragments	Shaft frag	White	3692
			▶ Specks: Large stain on surface. Pale turquoise		
2	Axial	Cervical vertebra	Frag of bodies	White	3693
1	Axial	Cervical vertebra	Frag of neural arch, art facets	White	3694
1	Axial	Sacrum	S4?	White	3695
1	Upper limb	Clavicle	Shaft frag	White	3696
			▶ Poor calcination: Inside bone. Light grey		
1	Upper limb	Humerus	Shaft frag	White	3697
2	Upper limb	Radius	Shaft frags	White	3698
			▶ Poor calcination: Medullary cavity, some on surface. Dark grey		
1	Upper limb	Radius	Shaft frag	White	3699

Osteological data report for Oban, McKelvie Hospital

38.2.4 Bone fragments in 'EQ 251'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Upper limb	Radius	Frag of head	White	3700
2	Upper limb	Ulna	Shaft frags, incl distal	White	3701
1	Upper limb	Ulna	Frag of olecranon process	White	3702
1	Upper limb	Metacarpal	Frag of 1st	White	3703
5	Lower limb	Ilium	Frags	White	3704
2	Lower limb	Femur	Shaft frags	White	3705
			▶ Poor calcination: Inside bone. Light grey, sandwich effect		
1	Lower limb	Femur	Distal shaft	White	3706
5	Lower limb	Femur	Distal end, condyles	White	3707
			▶ Poor calcination: Inside spongy bone. Light grey		
1	Lower limb	Fibula	Frag of distal end	White	3708
			▶ Poor calcination: Inside spongy bone. Mid grey		
1	Lower limb	Talus	Frag	White	3709

Osteological data report for Old Keig

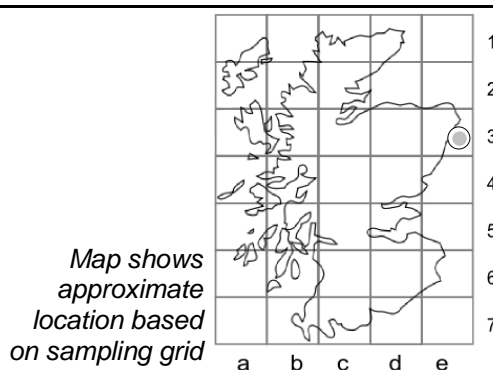
39.1 Site details for Old Keig

Classification and identification

Site type: Stone circle
Canmore ref: 17530
Excavated: 1933
Deposits: 1

Location

Local authority: Aberdeenshire
Easting: 359669
Northing: 819365



Minimum number of individuals (MNI)

MNI: 1
Males: Adult: 1
Females: 1 Child/adolescent:
Infant:

Osteological data report for Old Keig

39.2 Deposit details for 'EP 48'

Deposit details

Deposit ID: EP 48
Urn type: Bucket urn
Entered: 19/07/2010 14:40:02

Radiocarbon date

Lab number: GrA-21696
BP date: 2820 +/- 50
Cal BC*: 830 - 1130

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female: 1
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 327g
Extraneous material: 187g
Est. inclusion 2-5mm: 4g (40%)
Total human bone: 136g
Human bone weights by sieving fraction:
>10mm: 49g
5-10mm: 82g
2-5mm: 9g

Largest cranial and post cranial fragments

22.81mm Unspecified
37.04mm Humerus

Identified bone fragments

Total identified bone: 34g (25%)
No. of ident. fragments: 49
Mean ident. fragment: 0.69g
Identified fragment weights by body element:
Skull: 18g
Axial: 1g
Lower limb: 8g
Upper limb: 7g

Pyre inferences

Poorly calcined fragments: (%)
Turquoise staining: (%)

Osteological data report for Old Keig

39.2.1 Individuals in 'EP 48'

No.	Sex	Age		
1	?F	Adult	Broad age range.	None identified
	Ageing indicator	Unspecified	Sutures open endocranially	
	Sexing indicator	Frontal bone	Supraorbital margin scores 1, female	

39.2.2 Pyre goods in 'EP 48'

Quantity	Material	Typology/classification	Description
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39.2.3 Inclusions in 'EP 48'

Weight (g)	Inclusion type
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1	Stone
1	Burnt flint
2	Charcoal
180	Pottery

39.2.4 Bone fragments in 'EP 48'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
7	Skull	Unspecified	Skull vault	White	1022
2	Skull	Unspecified	Skull vault	White	1023
1	Skull	Temporal bone	Fragment of mastoid process	White	1024
1	L Skull	Frontal bone	Fragment of supraorbital margin	White	1025
			► Sexing indicator: Supraorbital margin. Supraorbital margin scores 1, female		
1	Skull	Mandible	Fragment of body with part of mental spine	White	1026
3	Skull	Unspecified	Skull vault	White	1027
1	Upper limb	Humerus	Fragment of shaft	White	1028
1	Lower limb	Femur	Fragment of shaft	White	1029
3	Axial	Rib fragments	Fragments of shaft	White	1030
16	Skull	Unspecified	Skull vault, small fragments	White	1031
6	Skull	Unspecified	Skull vault, small fragments	White	1032
2	Skull	Unspecified	Skull vault, small fragments	White	1033
2	Skull	Unspecified	Skull vault, small fragments	White	1034
			► Ageing indicator: Sutures. Sutures open endocranially		
1	Upper limb	Radius	Fragment of shaft	White	1035
1	Upper limb	Humerus	Fragment of shaft	White	1036
1	Lower limb	Tibia	Fragment of shaft	White	1037

Osteological data report for Outerston Hill

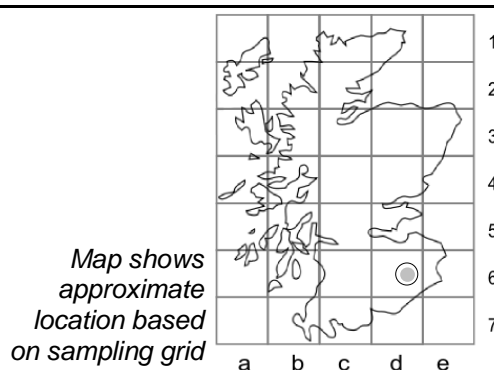
40.1 Site details for Outerston Hill

Classification and identification

Site type: Flat cemetery
Canmore ref: 53284
Excavated: 1938
Deposits: 1

Location

Local authority: Midlothian
Easting: 333341
Northing: 655764



Minimum number of individuals (MNI)

MNI: 1
Males: Adult:
Females: Child/adolescent: 1
Infant:

Osteological data report for Outerston Hill

40.2 Deposit details for 'EQ 447'

Deposit details

Deposit ID: EQ 447
Urn type: Collared urn
Entered: 11/07/2011 15:45:28

Radiocarbon date

Lab number:
BP date: 0 +/- 0
Cal BC*: 0 - 0

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent: 1
Adult:

Composition of deposit by weight

Total initial weight: 846g
Extraneous material: 238g
Est. inclusion 2-5mm: 89g (70%)
Total human bone: 519g
Human bone weights by sieving fraction:
>10mm: 233g
5-10mm: 248g
2-5mm: 127g

Largest cranial and post cranial fragments

44.02mm Unspecified
42.12mm Radius

Identified bone fragments

Total identified bone: 89g (17%)
No. of ident. fragments: 104
Mean ident. fragment: 0.86g
Identified fragment weights by body element:
Skull: 47g
Axial: 10g
Lower limb: 19g
Upper limb: 13g

Pyre inferences

Poorly calcined fragments: 20 (19%)
Turquoise staining: 3 (3%)

Osteological data report for Outerston Hill

40.2.1 Individuals in 'EQ 447'

No. Sex Age

1	??	Child/adolescent C. 15-20 years.
Ageing indicator	Unspecified	Many frags quite thin, juvenile?
Ageing indicator	Dentition	Root complete, age over 13-14
Ageing indicator	Dentition	Root complete, age over 13-14
Ageing indicator	Femur	Line of fusion in head still open, age c. 12-19

40.2.2 Pyre goods in 'EQ 447'

Quantity Material Typology/classification Description

40.2.3 Inclusions in 'EQ 447'

Weight (g) Inclusion type

70	Pottery
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40.2.4 Bone fragments in 'EQ 447'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
25	Skull	Unspecified	Skull vault ▶ Ageing indicator: . Many frags quite thin, juvenile?	White	5443
8	Skull	Unspecified	Skull vault ▶ Poor calcination: Diploe. Light to mid grey, sandwich effect	White	5444
1	Skull	Unspecified	Skull vault ▶ Poor calcination: Diploe. Light grey, sandwich effect ▶ Specks: Only one speck, endocranial surface. Pale green	White	5445
4	Skull	Unspecified	Facial skeleton	White	5446
2	Skull	Unspecified	Facial skeleton ▶ Specks: On one of the surfaces. Pale turquoise	White	5447
1	Skull	Maxilla	Sinuses	White	5448
1	Skull	Frontal bone	Frag w frontal crest	White	5449
1	Skull	Parietal	Skull vault	White	5450
6	Skull	Temporal bone	Frag	White	5451
1	Skull	Occipital	Frag w occipital sulcus	White	5452
2	Skull	Mandible	Frag of body ▶ Poor calcination: Inside bone. Light grey	White	5453
1	Skull	Mandible	Frag of body w alveoli	White	5454
4	Skull	Dentition	Small tooth root frags	White	5455
3	Skull	Dentition	Frag of max 1st or 2nd perm molars		5456
1	Skull	Dentition	Frag of mand 1st or 2nd perm molar		5457
1	Skull	Dentition	Frag of mand 2nd premolar ▶ Ageing indicator: . Root complete, age over 13-14		5458
1	Skull	Dentition	Frag of max 2nd premolar ▶ Ageing indicator: . Root complete, age over 13-14		5459
12	Axial	Rib fragments	Shaft frags	White	5460

Osteological data report for Outerston Hill

40.2.4 Bone fragments in 'EQ 447'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Axial	Rib fragments	Shaft frag ▶ Poor calcination: Inside spongy bone. Light grey, sandwich effect	White	5461
1	Axial	Cervical vertebra	Body frag ▶ Poor calcination: Inside body. Light grey	White	5462
1	Axial	Thoracic vertebra	Small frag of body and neural arch	White	5463
1	Axial	Thoracic vertebra	Frag of neural arch	White	5464
1	Axial	Lumbar vertebra	Frag of neural arch	White	5465
2	Axial	Sacrum	Frag	White	5466
1	Upper limb	Humerus	Frag of head	White	5467
1	Upper limb	Humerus	Shaft frag	White	5468
2	Upper limb	Radius	Shaft frags ▶ Poor calcination: Inside bone. Light grey, sandwich effect	White	5469
1	Upper limb	Metacarpal	Frag ▶ Poor calcination: In spongy bone in head. Light grey	White	5470
4	Upper limb	Hand phalanges	Frag, proximal and intermediate	White	5471
1	Upper limb	Hand phalanges	Frag, proximal ▶ Poor calcination: Inside spongy bone in head. Light grey	White	5472
2	Upper limb	Hand phalanges	Complete, distal	White	5473
2	Lower limb	Ilium	Frag	White	5474
1	Lower limb	Ilium	Frag ▶ Poor calcination: Very little in the spongy bone. Light grey	White	5475
1	Lower limb	Femur	Small frag of head ▶ Ageing indicator: . Line of fusion in head still open, age c. 12-19 ▶ Poor calcination: In spongy bone inside head. Mid grey	White	5476
1	Lower limb	Femur	Shaft frag ▶ Specks: One speck on outer surface of bone. Pale turquoise	White	5477
1	Lower limb	Femur	Small frag of distal end, condyle ▶ Poor calcination: Near surface, in spongy bone. Light grey	White	5478
2	Lower limb	Tibia	Shaft frags	White	5479
2	Lower limb	Fibula	Shaft frags	White	5480

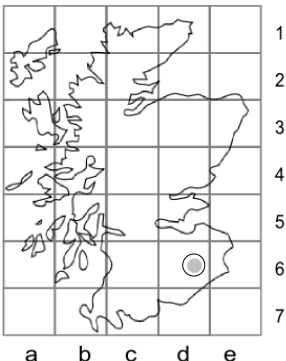
Osteological data report for Pinkie Mains West

41.1 Site details for Pinkie Mains West

Classification and identification

Site type: Single
Canmore ref: 53675
Excavated: 1947
Deposits: 1

Location

Local authority: East Lothian	
Easting: 335442	
Northing: 672322	
<i>Map shows approximate location based on sampling grid</i>	

Minimum number of individuals (MNI)

MNI: 1	
Males:	Adult:
Females: 1	Child/adolescent: 1
	Infant:

Osteological data report for Pinkie Mains West

41.2 Deposit details for 'EA 235'

Deposit details

Deposit ID: EA 235
Urn type: Cordoned urn
Entered: 24/11/2010 16:33:45

Radiocarbon date

Lab number:
BP date: +/-
Cal BC*: -

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female: 1
Individuals by age category:
Foetal/infant:
Child/adolescent: 1
Adult:

Composition of deposit by weight

Total initial weight: 1330g
Extraneous material: 88g
Est. inclusion 2-5mm: 14g (20%)
Total human bone: 1228g
Human bone weights by sieving fraction:
>10mm: 924g
5-10mm: 246g
2-5mm: 72g

Largest cranial and post cranial fragments

54.85mm Parietal
99.74mm Radius

Identified bone fragments

Total identified bone: 678g (55%)
No. of ident. fragments: 282
Mean ident. fragment: 2.4g
Identified fragment weights by body element:
Skull: 204g
Axial: 75g
Lower limb: 296g
Upper limb: 103g

Pyre inferences

Poorly calcined fragments: 128 (45%)
Turquoise staining: 112 (40%)

Osteological data report for Pinkie Mains West

41.2.1 Individuals in 'EA 235'

No.	Sex	Age		
1	?F	Child/adolescent 17-18 years		Lesions in spine and ribs
	Ageing indicator	Thoracic vertebra		Annular rings unfused, age under early 20s
	Ageing indicator	Ulna		Distal epiphysis unfused, age under 15-20 (15-17)
	Ageing indicator	Ischium		Acetabulum fused, age over 11-17 (or 15 if female)
	Ageing indicator	Parietal		Sutures open
	Ageing indicator	Ilium		Iliac crest unfused, age under 17-23
	Ageing indicator	Ilium		Iliac crest unfused, age under 17-20
	Ageing indicator	Pubis		No pubic epiphysis, age under 23-27
	Ageing indicator	Ilium		Iliac crest unfused, age under 17-20
	Ageing indicator	Ischium		Ischial tuberosity fusing, age c. 16-18
	Ageing indicator	Occipital		Sutures open
	Ageing indicator	Dentition		Max 1st premolar fully formed, age over 15
	Ageing indicator	Dentition		Mand perm canine fully formed, age over 15
	Ageing indicator	Dentition		Mand 2nd perm incisor fully formed, age over 11
	Ageing indicator	Mandible		Mand 3rd molar erupted, age over 17-21
	Ageing indicator	Maxilla		Max 2nd perm molar fully formed, age over 17
	Ageing indicator	Ilium		Iliac crest unfused, age under 17-20
	Ageing indicator	Femur		Distal epiphysis unfused, age under 14-20 (14-18)
	Ageing indicator	Humerus		Distal epiphysis unfused, age under 11-17 (11-15)
	Ageing indicator	Radius		Head fused, age over 11.5-17 (11.5-13)
	Ageing indicator	Radius		Head fully fused, age over 11.5-17
	Ageing indicator	Ilium		Auricular surface appears young, billowing
	Ageing indicator	Radius		Distal epiphysis unfused, age under 14-20 (14-17)
	Ageing indicator	Ischium		Ischial tuberosity fusing, age c. 16-18
	Ageing indicator	Humerus		Distal epiphysis unfused, age under 11-17 (11-15)
	Ageing indicator	Tibia		Prox epiphysis unfused, age under 14-20 (14-18)
	Ageing indicator	Scapula		Coracoid unfused, age under 20
	Ageing indicator	Femur		Distal epiphysis unfused, age under 14-20 (14-18)
	Ageing indicator	Ulna		Distal epiphysis unfused, age under 15-20 (15-17)
	Ageing indicator	Femur		Distal epiphysis unfused, age under 14-20 (14-18)
	Ageing indicator	Femur		Distal epiphysis unfused, age under 14-20 (14-18)
	Ageing indicator	Femur		Head recently fused, age over 12-19 (16 if female)
	Ageing indicator	Femur		Head fully fused, age over 12-19 (16 if female)
	Ageing indicator	Scapula		Glenoid fully fused, age over 17-18
	Pathology	Rib fragments		Small red circular depressions, c 2 mm diameter
	Pathology	Rib fragments		6 lesions, c 1 or 2 mm diam, shallow, red stained
	Pathology	Thoracic vertebra		Depressions on bodies, like schmor's nodes?
	Sexing indicator	Frontal bone		Supraorbital margin scores 1, female
	Sexing indicator	Frontal bone		Supraorbital margin scores 1, female
	Sexing indicator	Ilium		Greater sciatic notch scores 1, female

41.2.2 Pyre goods in 'EA 235'

Quantity	Material	Typology/classification	Description
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Osteological data report for Pinkie Mains West

41.2.3 Inclusions in 'EA 235'

Weight (g) Inclusion type

12 Pottery

41.2.4 Bone fragments in 'EA 235'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
12	Skull	Parietal	Skull vault	White	2733
			▶ Specks: Rare, on ectocranial surface. Pale turquoise		
			▶ Stain: Sparse, on endocranial surface. Pale red and orange		
			▶ Ageing indicator: . Sutures open		
			▶ Poor calcination: On 2 frags. Mid grey, sandwich effect		
10	Skull	Unspecified	Facial skeleton	White	2734
55	Skull	Unspecified	Skull vault	White	2735
			▶ Stain: Endocranial surface, 3 frags. Red and pink staining, some slip-like		
			▶ Poor calcination: 8 frags. Sandwich effect, light grey		
6	Skull	Wormian bone	Complete bones	White	2736
			▶ Poor calcination: Endocranial or sandwich effect. Light grey		
2	Skull	Maxilla	Frontal sinus	White	2737
1 R	Skull	Maxilla	Alveolar process w alveoli and 2nd perm molar	White	2738
			▶ Specks: Widespread on surfaces of bone. Pale turquoise		
			▶ Ageing indicator: . Max 2nd perm molar fully formed, age over 17		
1	Skull	Maxilla	Frag of alveolar process w alveoli	White	2739
1 R	Skull	Mandible	Frag of body, w 3rd molar, and ascending ramus	White	2740
			▶ Ageing indicator: . Mand 3rd molar erupted, age over 17-21		
1	Skull	Mandible	Frag of body w alveoli	White	2741
1 L	Skull	Temporal bone	Frag	White	2742
			▶ Stain: Endocranial surface, anteriorly. Pink		
1 L	Skull	Temporal bone	Frag w mand fossa and zygomatic process	White	2743
			▶ Stain: Endocranial surface, opposite art eminence. Pink and pale brown		
1 R	Skull	Temporal bone	Frag w mand fossa and art eminence	White	2744
			▶ Poor calcination: Inside art eminence. Dark grey		
1 L	Skull	Temporal bone	Frag of petrous part	White	2745
			▶ Stain: Superiorly. Pink		
1 R	Skull	Temporal bone	Frag of petrous part	White	2746
6	Skull	Dentition	Small frags		2747
2	Skull	Dentition	Frag of max perm 1st or 2nd molars		2748
1	Skull	Dentition	Frag of mand perm 1st or 2nd molar		2749
1	Skull	Dentition	Mand 2nd perm incisor		2750
			▶ Ageing indicator: . Mand 2nd perm incisor fully formed, age over 11		
1	Skull	Dentition	Mand perm canine		2751

Osteological data report for Pinkie Mains West

41.2.4 Bone fragments in 'EA 235'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
			▶ Ageing indicator: . Mand perm canine fully formed, age over 15		
1	Skull	Dentition	Max 1st premolar		2752
			▶ Ageing indicator: . Max 1st premolar fully formed, age over 15		
6	Skull	Occipital	Frag, including cruciform eminence	White	2753
			▶ Ageing indicator: . Sutures open		
			▶ Stain: Endocranial surface, widespread. Brown		
			▶ Specks: Rare, only one speck, ectocranial surface. Pale turquoise		
1	L Skull	Frontal bone	Supraorbital margin	White	2754
			▶ Sexing indicator: Supraorbital margin. Supraorbital margin scores 1, female		
1	R Skull	Frontal bone	Supraorbital margin	White	2755
			▶ Sexing indicator: Supraorbital margin. Supraorbital margin scores 1, female		
1	R Skull	Zygomatic	Frontal process	White	2756
36	Axial	Rib fragments	Shaft frags	White	2757
			▶ Specks: Sparse, but on most frags. Pale turquoise		
			▶ Pathology: Outer surface, 2 frags. Small red circular depressions, c 2 mm diameter		
2	Axial	Cervical vertebra	Frag of 2 bodies	White	2758
11	Axial	Thoracic vertebra	Frag of bodies	White	2759
			▶ Specks: On 4 frags, on bodies. Green/turquoise		
			▶ Pathology: Body. Depressions on bodies, like schmor's nodes?		
			▶ Ageing indicator: Annular rings. Annular rings unfused, age under early 20s		
3	Axial	Thoracic vertebra	Frag of art facets	White	2760
1	Axial	Sacrum	Frag of body, S2?	White	2761
3	Axial	Sacrum	Frag of alae and art facets	White	2762
			▶ Specks: Widespread. Pale turquoise		
10	Lower limb	Ilium	Frag of blade	White	2763
1	Skull	Mandible	Frag of body w alveoli	White	2764
			▶ Specks: One speck, on break. Pale turquoise		
1	R Axial	Rib fragments	1st rib, missing head	White	2765
			▶ Pathology: Towards sternal end, all bar 1 on cranial surface. 6 lesions, c 1 or 2 mm diam, shallow, red stained		
1	Lower limb	Ilium	Just below ant sup iliac spine	White	2766
			▶ Specks: All of one surface of frag, prob posterior. Pale turquoise, more like single stain, c 15x20 mm		
2	L Lower limb	Ilium	Frag of iliac crest	White	2767
			▶ Ageing indicator: Iliac crest. Iliac crest unfused, age under 17-20		
1	R Lower limb	Ilium	Frag of iliac crest	White	2768
			▶ Ageing indicator: Iliac crest. Iliac crest unfused, age under 17-20		
2	Lower limb	Ilium	Frag of iliac crest	White	2769
			▶ Ageing indicator: Iliac crest. Iliac crest unfused, age under 17-20		
			▶ Specks: A few specks, anterior surface. Pale turquoise		
			▶ Poor calcination: Near crest. Light grey		

Osteological data report for Pinkie Mains West

41.2.4 Bone fragments in 'EA 235'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	L Lower limb	Ilium	Frag of iliac tuberosity ▶ Ageing indicator: Iliac crest. Iliac crest unfused, age under 17-23	White	2770
1	R Lower limb	Ilium	Frag of auricular surface w greater sciatic notch ▶ Sexing indicator: Greater sciatic notch. Greater sciatic notch scores 1, female ▶ Ageing indicator: Auricular surface. Auricular surface appears young, billowing	White	2771
1	R Lower limb	Ilium	Frag w part of blade and acetabulum ▶ Specks: Thinly scattered, inferiormost on frag, anteriorly. Pale turquoise ▶ Poor calcination: Superiorly on frag. Light grey, sandwich effect	White	2772
1	Lower limb	Ilium	Frag of acetabulum ▶ Specks: In acetabulum. Pale turquoise	White	2773
1	R Lower limb	Ischium	Ischial tuberosity and part of lunate surface ▶ Ageing indicator: Acetabulum. Acetabulum fused, age over 11-17 (or 15 if female) ▶ Ageing indicator: Ischial tuberosity. Ischial tuberosity fusing, age c. 16-18 ▶ Specks: Lunate surface, large stain. Pale turquoise	White	2774
1	R Lower limb	Pubis	Frag w part of pubic tubercle ▶ Ageing indicator: Pubic tubercle. No pubic epiphysis, age under 23-27 ▶ Specks: On bone surfaces, laterally. Pale turquoise	White	2775
1	L Lower limb	Ischium	Frag w ischial tuberosity and part of lunate surf ▶ Ageing indicator: Ischial tuberosity. Ischial tuberosity fusing, age c. 16-18 ▶ Specks: Thinly scattered, but widespread on surface. Pale turquoise	White	2776
1	L Lower limb	Femur	Proximal, w neck and head ▶ Ageing indicator: Head. Head fully fused, age over 12-19 (16 if female) ▶ Specks: Widespread, except on head. Turquoise	White	2777
2	R Lower limb	Femur	Proximal, w neck and head ▶ Ageing indicator: Head. Head recently fused, age over 12-19 (16 if female) ▶ Specks: Scattered, not on head. Pale turquoise	White	2778
5	Lower limb	Femur	Frag of shaft	White	2779
1	R Lower limb	Femur	Frag of distal shaft, posterior surface ▶ Ageing indicator: Distal epiphysis. Distal epiphysis unfused, age under 14-20 (14-18) ▶ Poor calcination: Proximally, almost opposite nutrient foramen. Light grey, sandwich effect	White	2780
1	L Lower limb	Femur	Frag of distal shaft, posterior surface ▶ Ageing indicator: Distal epiphysis. Distal epiphysis unfused, age under 14-20 (14-18) ▶ Specks: Scattered on surface. Pale turquoise	White	2781
2	Lower limb	Femur	Frag of distal end ▶ Ageing indicator: Distal epiphysis. Distal epiphysis unfused, age under 14-20 (14-18)	White	2782
10	Lower limb	Femur	Frag of distal epiphysis	White	2783

Osteological data report for Pinkie Mains West

41.2.4 Bone fragments in 'EA 235'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Ageing indicator: Distal epiphysis. Distal epiphysis unfused, age under 14-20 (14-18)		
			▶ Poor calcination: Inside spongy bone to some extent on all. Light to mid grey		
			▶ Specks: Thinly scattered on all. Pale turquoise		
1	L Lower limb	Patella	Frag	White	2784
			▶ Poor calcination: In middle. Mid grey, sandwich effect		
1	Lower limb	Tibia	Frag of proximal end	White	2785
			▶ Specks: On articular surface. Pale turquoise		
1	Lower limb	Tibia	Frag of proximal shaft	White	2786
			▶ Ageing indicator: Proximal epiphysis. Prox epiphysis unfused, age under 14-20 (14-18)		
			▶ Specks: A few on shaft. Pale turquoise		
1	Lower limb	Fibula	Frag of distal end	White	2787
			▶ Specks: On surface. Pale turquoise		
1	Lower limb	Intermediate cuneiform	Frag	White	2788
1	Lower limb	Metatarsal bone	Frag of 1st	White	2789
1	Lower limb	Metatarsal bone	Frag	White	2790
1	L Skull	Mandible	Condyle	White	2791
2	Lower limb	Metatarsal bone	Frag of heads	White	2792
			▶ Poor calcination: Shaft of one frag. Dark grey, sandwich effect		
1	Lower limb	Foot phalanges	Intermediate	White	2793
3	Upper limb	Scapula	Frag	White	2794
			▶ Specks: Widespread. Pale turquoise		
1	L Upper limb	Scapula	Frag of glenoid w coracoid	White	2795
			▶ Ageing indicator: Glenoid. Glenoid fully fused, age over 17-18		
			▶ Ageing indicator: Coracoid. Coracoid unfused, age under 20		
4	Upper limb	Humerus	Frag of shaft	White	2796
			▶ Poor calcination: on 1 frag, limited area. Mid grey, sandwich effect		
			▶ Specks: More like stain, on 1 frag. Pale green		
1	Upper limb	Humerus	Frag of distal shaft	White	2797
			▶ Ageing indicator: Distal epiphysis. Distal epiphysis unfused, age under 11-17 (11-15)		
1	Upper limb	Humerus	Frag of distal shaft, w olecranon fossa	White	2798
2	Upper limb	Humerus	Frag of distal epiphysis	White	2799
			▶ Ageing indicator: Distal epiphysis. Distal epiphysis unfused, age under 11-17 (11-15)		
			▶ Specks: Widespread. Pale turquoise		
4	Upper limb	Radius	Frag of shaft	White	2800
1	L Upper limb	Radius	Frag of head	White	2801
			▶ Poor calcination: Distally on frag. Light grey, sandwich effect		
			▶ Ageing indicator: Head. Head fused, age over 11.5-17 (11.5-13)		
1	R Upper limb	Radius	Frag of head	White	2802
			▶ Ageing indicator: Head. Head fully fused, age over 11.5-17		
3	Upper limb	Radius	Frag of distal epiphysis	White	2803

Osteological data report for Pinkie Mains West

41.2.4 Bone fragments in 'EA 235'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Poor calcination: Articular surface. Some light grey		
			▶ Ageing indicator: Distal epiphysis. Distal epiphysis unfused, age under 14-20 (14-17)		
2	Upper limb	Ulna	Frag of shaft	White	2804
			▶ Poor calcination: In shaft. Light grey, sandwich effect		
			▶ Specks: Along shaft. Pale turquoise		
2	Upper limb	Ulna	Frag of distal shaft, both left and right	White	2805
			▶ Ageing indicator: Distal epiphysis. Distal epiphysis unfused, age under 15-20 (15-17)		
			▶ Poor calcination: Near distal end. Mid grey sandwich effect		
			▶ Specks: Near distal end. Pale turquoise		
1	L Upper limb	Ulna	Distal epiphysis	White	2806
			▶ Ageing indicator: Distal epiphysis. Distal epiphysis unfused, age under 15-20 (15-17)		
8	Upper limb	Clavicle	Frag of shaft	White	2807
			▶ Specks: Extensive along shaft. Pale turquoise		
			▶ Poor calcination: Some, limited extent. Light grey sandwich effect		
1	Upper limb	Lunate	Frag	White	2808
			▶ Poor calcination: Extensive. Mid grey		
1	Upper limb	Scaphoid	Frag	White	2809
1	Upper limb	Metacarpal	Frag	White	2810
4	Upper limb	Hand phalanges	Frag of intermediate	White	2811
			▶ Poor calcination: Extensive on all. Mid grey		
12	Upper limb	Hand phalanges	Frag of proximal or intermediate	White	2812
			▶ Poor calcination: To varying extent, but not much on any. Light grey, sandwich effect		

Osteological data report for Quarryford Farm

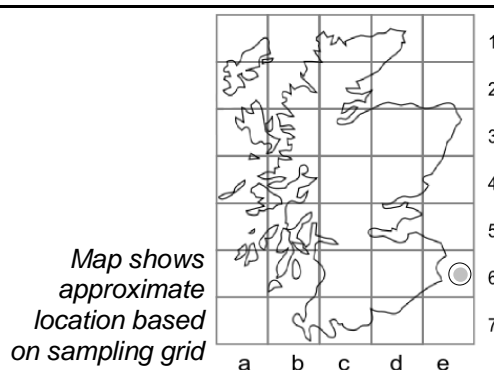
42.1 Site details for Quarryford Farm

Classification and identification

Site type: Flat, single
Canmore ref: 56064
Excavated: 1882
Deposits: 1

Location

Local authority: East Lothian
Easting: 355910
Northing: 655688



Minimum number of individuals (MNI)

MNI: 1
Males: Adult: 1
Females: Child/adolescent:
Infant:

Osteological data report for Quarryford Farm

42.2 Deposit details for 'EA 56'

Deposit details

Deposit ID: EA 56
Urn type: Collared urn
Entered: 14/07/2011 19:53:56

Radiocarbon date

Lab number:
BP date: 0 +/- 0
Cal BC*: 0 - 0

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 339g
Extraneous material: 6g
Est. inclusion 2-5mm: 2g (20%)
Total human bone: 331g
Human bone weights by sieving fraction:
>10mm: 176g
5-10mm: 146g
2-5mm: 11g

Largest cranial and post cranial fragments

42.6mm Unspecified
62.36mm Rib

Identified bone fragments

Total identified bone: 131g (40%)
No. of ident. fragments: 91
Mean ident. fragment: 1.44g
Identified fragment weights by body element:
Skull: 84g
Axial: 7g
Lower limb: 18g
Upper limb: 22g

Pyre inferences

Poorly calcined fragments: (%)
Turquoise staining: (%)

Osteological data report for Quarryford Farm

42.2.1 Individuals in 'EA 56'

No. Sex Age

1	??	Adult	Age over mid 20s.
	Ageing indicator	Thoracic vertebra	Annular rings fused, age over mid 20s
	Ageing indicator	Parietal	Sag suture obliterating externally

42.2.2 Pyre goods in 'EA 56'

Quantity Material Typology/classification Description

42.2.3 Inclusions in 'EA 56'

Weight (g) Inclusion type

42.2.4 Bone fragments in 'EA 56'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
46	Skull	Unspecified	Skull vault	White	5540
4	Skull	Parietal	Skull vault, incl parietal striae	White	5572
2	Skull	Parietal	Skull vault	White	5573
			► Ageing indicator: . Sag suture obliterating externally		
4	Skull	Temporal bone	Frag	White	5574
1	L Skull	Temporal bone	Petrous part	White	5575
5	Skull	Mandible	Frag of body	White	5576
2	Skull	Mandible	Frag of body w alveoli	White	5577
1	L Skull	Mandible	Condyle	White	5578
1	R Skull	Mandible	Condyle	White	5579
1	R Skull	Zygomatic	Frontal process	White	5580
9	Axial	Rib fragments	Shaft frags	White	5581
1	Axial	Cervical vertebra	Body	White	5582
1	Axial	Thoracic vertebra	Frag of body	White	5583
			► Ageing indicator: . Annular rings fused, age over mid 20s		
3	Upper limb	Humerus	Shaft frags	White	5584
2	Upper limb	Radius	Shaft frags	White	5585
1	Upper limb	Metacarpal	Frag	White	5586
1	Upper limb	Hand phalanges	Frag of proximal	White	5587
1	Lower limb	Ilium	Frag of acetabulum	White	5588
2	Lower limb	Femur	Shaft frags	White	5589
1	Lower limb	Tibia	Shaft frag	White	5590
2	Lower limb	Fibula	Shaft frags	White	5591

Osteological data report for Rayne stone circle

43.2 Deposit details for 'EP 23'

Deposit details

Deposit ID: EP 23
Urn type: Bucket urn
Entered: 07/07/2010 12:28:56

Radiocarbon date

Lab number:
BP date: +/-
Cal BC*: -

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male: 1
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 296g
Extraneous material: 0g
Est. inclusion 2-5mm: 0g (0%)
Total human bone: 296g
Human bone weights by sieving fraction:
>10mm: 286g
5-10mm: 9g
2-5mm: 1g

Largest cranial and post cranial fragments

57.15mm Occipital
68.03mm Fibula

Identified bone fragments

Total identified bone: 222g (75%)
No. of ident. fragments: 43
Mean ident. fragment: 5.16g
Identified fragment weights by body element:
Skull: 47g
Axial: 13g
Lower limb: 105g
Upper limb: 57g

Pyre inferences

Poorly calcined fragments: 3 (7%)
Turquoise staining: (%)

Osteological data report for Rayne stone circle

43.2.1 Individuals in 'EP 23'

No.	Sex	Age		
1	?M	Adult	Age over 25.	Pitting on thoracic vertebrae.
Ageing indicator	Fibula		End fully fused, age over 14-20	
Ageing indicator	Parietal		Sagittal suture open ectocranially	
Ageing indicator	Thoracic vertebra		Annular ring fused, age over 25	
Ageing indicator	Thoracic vertebra		Annular rings fused, age over 25	
Pathology	Thoracic vertebra		Possible destructive lesions	
Pathology	Thoracic vertebra		Destructive lesion with clear rim	
Sexing indicator	Occipital		Nuchal crest scores 4, ?male	

43.2.2 Pyre goods in 'EP 23'

Quantity	Material	Typology/classification	Description
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43.2.3 Inclusions in 'EP 23'

Weight (g)	Inclusion type
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43.2.4 Bone fragments in 'EP 23'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
2	Axial	Rib fragments	Shaft	White	992
1	Axial	Thoracic vertebra	Body	White	993
			► Ageing indicator: Annular ring. Annular rings fused, age over 25		
			► Pathology: Central on body surface. Destructive lesion with clear rim		
1	Axial	Thoracic vertebra	Fragment of body	White	994
			► Ageing indicator: Annular ring. Annular ring fused, age over 25		
			► Pathology: Surface. Possible destructive lesions		
3	Skull	Unspecified	Skull vault	White	995
2	Skull	Parietal	Parietal striae	White	996
1	Skull	Parietal	By sagittal suture	White	997
			► Ageing indicator: Sagittal suture. Sagittal suture open ectocranially		
1	Skull	Parietal	Skull vault	White	998
1	Skull	Temporal bone	With middle meningeal groove	White	999
1	Skull	Occipital	With nuchal crest	White	1000
			► Sexing indicator: Nuchal crest. Nuchal crest scores 4, ?male		
2	Upper limb	Radius	Shaft fragment	White	1001
1	Upper limb	Ulna	Shaft fragment	White	1002
1	Upper limb	Radius	Shaft fragment	White	1003
			► Poor calcination: Medullary cavity. Sandwich effect		
1	R Upper limb	Humerus	Proximal shaft fragment	White	1004
2	Upper limb	Humerus	Shaft fragments	White	1005
2	Upper limb	Humerus	Shaft fragments	White	1006
1	Upper limb	Humerus	Shaft fragment	White	1007
2	Lower limb	Femur	Shaft fragments, adjoining	White	1008

Osteological data report for Rayne stone circle

43.2.4 Bone fragments in 'EP 23'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
4	Lower limb	Femur	Shaft fragments	White	1009
1	Lower limb	Femur	Shaft fragment	White	1010
1	Lower limb	Femur	Shaft fragment	White	1011
1	Lower limb	Femur	Shaft fragment with linea aspera	White	1012
1	Lower limb	Femur	Shaft fragment with linea aspera	White	1013
2	Lower limb	Tibia	Shaft fragments, adjoining	White	1014
			▶ Poor calcination: Shaft. Sandwich effect		
			▶ Stain: In break between fragments. Pale golden brown, shiny, looks "glazed"		
1	Lower limb	Tibia	Shaft fragment	White	1015
1	Lower limb	Tibia	Shaft fragment	White	1016
1	Lower limb	Fibula	Shaft fragment	White	1017
			▶ Other: . Longest longbone fragment at 68.03 mm		
1 R	Lower limb	Fibula	Distal end	White	1018
			▶ Ageing indicator: Distal end. End fully fused, age over 14-20		
2	Upper limb	Hand phalanges	Proximal phalanges, complete	White	1019
1	Upper limb	Metacarpal	Second metacarpal, fragmented	White	1020
1	Upper limb	Metacarpal	Fragment of 4th or 5th metacarpal	White	1021

Osteological data report for Saxe-Coburg Place

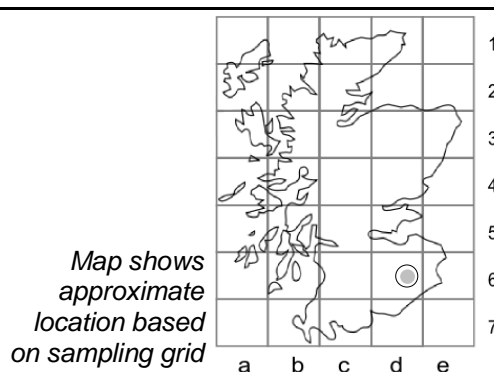
44.1 Site details for Saxe-Coburg Place

Classification and identification

Site type: Flat cemetery, cist
Canmore ref: 52644
Excavated: 1823
Deposits: 1

Location

Local authority: Edinburgh, City of
Easting: 324602
Northing: 674792



Minimum number of individuals (MNI)

MNI: 2
Males: Adult: 1
Females: Child/adolescent:
Infant: 1

Osteological data report for Saxe-Coburg Place

44.2 Deposit details for 'EA 3'

Deposit details

Deposit ID: EA 3
Urn type: Cordoned urn
Entered: 18/06/2011 13:40:04

Radiocarbon date

Lab number: GrA-18020
BP date: 3275 +/- 40
Cal BC*: 1440 - 1690

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 2
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant: 1
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 1512g
Extraneous material: 98g
Est. inclusion 2-5mm: 7g (10%)
Total human bone: 1407g
Human bone weights by sieving fraction:
>10mm: 1027g
5-10mm: 321g
2-5mm: 66g

Largest cranial and post cranial fragments

70.22mm Unspecified
128.35mm Ulna

Identified bone fragments

Total identified bone: 621g (44%)
No. of ident. fragments: 239
Mean ident. fragment: 2.6g
Identified fragment weights by body element:
Skull: 216g
Axial: 49g
Lower limb: 256g
Upper limb: 100g

Pyre inferences

Poorly calcined fragments: 154 (64%)
Turquoise staining: 23 (10%)

Osteological data report for Saxe-Coburg Place

44.2.1 Individuals in 'EA 3'

No.	Sex	Age	
1	??	Foetal/infant	Perinatal infant.
	Ageing indicator	Mandible	Measurements could not be taken
	Ageing indicator	Occipital	Pars basilaris sagittal length 11.36, over 2 w
	Ageing indicator	Occipital	Pars basilaris max width cannot be measured
	Ageing indicator	Unspecified	V small, infant
	Ageing indicator	Temporal bone	Petrous part max length 37.06 mm, c. 40 w foetal
	Ageing indicator	Temporal bone	Petrous part max width 18.25 mm, c. 40 w foetal
	Ageing indicator	Occipital	Pars basilaris max length 15.40, over 38 w foetal
	Ageing indicator	Mandible	Size and shape suggests perinatal
	Ageing indicator	Ilium	Size and shape suggests perinatal
	Ageing indicator	Sphenoid	Size and shape suggests perinatal
	Ageing indicator	Zygomatic	Size and shape suggests perinatal
	Ageing indicator	Zygomatic	Size and shape suggests perinatal
	Ageing indicator	Frontal bone	Size and shape suggests perinatal
	Ageing indicator	Rib fragments	Size and shape suggests perinatal/infant
	Ageing indicator	Scapula	Size and shape suggests foetal/perinate
	Ageing indicator	Sphenoid	Lesser wings fused, looks perinatal
2	??	Adult	Adult, unspecified age. Pelvis not sexed.
	Ageing indicator	Ilium	Iliac crest fully fused, age over 17-23
	Ageing indicator	Axis vertebra	Dens fully formed, age over 12
	Ageing indicator	Frontal bone	Supraorbital margin scores 3, ?sex
	Ageing indicator	Occipital	Lambd suture obliterated internally
	Pathology	Maxilla	Retained teeth? Seems to be 2 rows of teeth
	Sexing indicator	Frontal bone	Supraorbital margin scores 4, ?male

44.2.2 Pyre goods in 'EA 3'

Quantity Material Typology/classification Description

44.2.3 Inclusions in 'EA 3'

Weight (g) Inclusion type

61 Pottery

44.2.4 Bone fragments in 'EA 3'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
1	Skull	Occipital	Pars basilaris	White	3835
			▶ Ageing indicator: . Pars basilaris max length 15.40, over 38 w foetal		
			▶ Ageing indicator: . Pars basilaris sagittal length 11.36, over 2 w		
			▶ Ageing indicator: . Pars basilaris max width cannot be measured		
			▶ Stain: The complete frag is a reddish tint, unlike adult. Pale red		
1	Skull	Unspecified	Skull vault	White	3836

Osteological data report for Saxe-Coburg Place

44.2.4 Bone fragments in 'EA 3'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Ageing indicator: . V small, infant		
			▶ Stain: The complete frag is a reddish tint, unlike adult. Pale red		
1	L Skull	Temporal bone	Large frag, incl petrous part and squama	White	3837
			▶ Ageing indicator: . Petrous part max length 37.06 mm, c. 40 w foetal		
			▶ Ageing indicator: . Petrous part max width 18.25 mm, c. 40 w foetal		
			▶ Stain: The complete frag is a reddish tint, unlike adult. Pale red		
1	Skull	Sphenoid	Virtually complete body w lesser wings	White	3838
			▶ Ageing indicator: . Lesser wings fused, looks perinatal		
			▶ Stain: The complete frag is a reddish tint, unlike adult. Pale red		
1	L Skull	Mandible	Virtually complete hemi-mandible	White	3839
			▶ Ageing indicator: . Size and shape suggests perinatal		
			▶ Ageing indicator: . Measurements could not be taken		
1	L Skull	Sphenoid	Frag of greater wing	White	3840
			▶ Ageing indicator: . Size and shape suggests perinatal		
			▶ Stain: The complete frag is a reddish tint, unlike adult. Pale red		
1	L Skull	Zygomatic	Virtually complete, but edges broken	White	3841
			▶ Ageing indicator: . Size and shape suggests perinatal		
1	R Skull	Zygomatic	Virtually complete, but edges broken	White	3842
			▶ Ageing indicator: . Size and shape suggests perinatal		
1	Skull	Frontal bone	Frag, orbital plate	White	3843
			▶ Ageing indicator: . Size and shape suggests perinatal		
			▶ Stain: The complete frag is a reddish tint, unlike adult. Pale red		
1	Axial	Rib fragments	Shaft frag	White	3844
			▶ Ageing indicator: . Size and shape suggests perinatal/infant		
			▶ Stain: The complete frag is a reddish tint, unlike adult. Pale red		
1	R Upper limb	Scapula	Frag	White	3845
			▶ Ageing indicator: . Size and shape suggests foetal/perinate		
			▶ Stain: The complete frag is a reddish tint, unlike adult. Pale red		
1	R Lower limb	Ilium	Frag	White	3846
			▶ Ageing indicator: . Size and shape suggests perinatal		
			▶ Stain: The complete frag is a reddish tint, unlike adult. Pale red		
4	Skull	Unspecified	Skull vault	White	3847
			▶ Poor calcination: Diploe. Light to mid grey, sandwich effect		
			▶ Specks: Widespread, on both surfaces and diploe. Pale turquoise		
43	Skull	Unspecified	Skull vault	White	3848
			▶ Poor calcination: Diploe. Light to dark grey, sandwich effect		
4	Skull	Unspecified	Skull vault	White	3849
			▶ Poor calcination: Diploe. Light to mid grey, sandwich effect		
			▶ Stain: Endocranial surface. Orange to red		
			▶ Specks: Specks, widespread but not too many. Turquoise/green		

Osteological data report for Saxe-Coburg Place

44.2.4 Bone fragments in 'EA 3'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Skull	Unspecified	Skull vault ▶ Cremation slag: Ectocranial. Adhering material, brown, "bubbly" ▶ Poor calcination: Diploe. Mid grey, sandwich effect	White	3850
4	Skull	Occipital	Skull vault ▶ Poor calcination: Diploe, also some on endocranial surface. Light to dark grey, sandwich effect ▶ Ageing indicator: . Lambd suture obliterated internally	White	3851
3	Skull	Occipital	Skull vault, incl transverse sulcus ▶ Poor calcination: Diploe. Light to mid grey, sandwich effect ▶ Specks: More like stain, endocranial. Pale turquoise	White	3852
4	Skull	Parietal	Skull vault ▶ Poor calcination: Diploe. Light to mid grey, sandwich effect	White	3853
5	Skull	Parietal	Skull vault ▶ Poor calcination: Diploe. Light to mid grey, sandwich effect ▶ Stain: Endocranial. Pale red to reddish brown	White	3854
16	Skull	Temporal bone	Frag	White	3855
3	Skull	Temporal bone	Frag ▶ Poor calcination: Throughout bone. Light grey	White	3856
1	R Skull	Temporal bone	Frag w suprimeatal crest and mandibular fossa ▶ Poor calcination: Inside bone. Light grey ▶ Stain: Widespread, both endo- and ectocranial. Orange, sometimes slip-like ▶ Specks: Mandibular fossa. Pale turquoise	White	3857
1	L Skull	Temporal bone	Frag w suprimeatal crest and mandibular fossa ▶ Poor calcination: Inside bone. Mid grey ▶ Stain: Endocranial. Reddish brown	White	3858
1	R Skull	Zygomatic	Frontal process ▶ Poor calcination: Inside bone. Mid grey ▶ Specks: Endocranial, on tip of bone. Pale turquoise	White	3859
2	Skull	Maxilla	Frag w sinuses ▶ Poor calcination: Some inside bone. Light grey	White	3860
2	Skull	Maxilla	Frag of alveolar process ▶ Poor calcination: Inside bone. Light to mid grey ▶ Pathology: . Retained teeth? Seems to be 2 rows of teeth	White	3861
1	Skull	Maxilla	Frag of palate ▶ Poor calcination: Inside bone and on surface. Mid grey	White	3862
1	L Skull	Frontal bone	Supraorbital margin ▶ Sexing indicator: . Supraorbital margin scores 4, ?male ▶ Poor calcination: Inside bone. Mid to dark grey, sandwich effect	White	3863
1	R Skull	Frontal bone	Supraorbital margin, frag	White	3864

Osteological data report for Saxe-Coburg Place

44.2.4 Bone fragments in 'EA 3'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Ageing indicator: . Supraorbital margin scores 3, ?sex		
			▶ Poor calcination: Inside bone. Mid grey, sandwich effect		
1	L Skull	Mandible	Frag of asc ramus	White	3865
			▶ Poor calcination: Inside bone. Light to mid grey, sandwich effect		
1	R Skull	Mandible	Frag of asc ramus	White	3866
1	Skull	Mandible	Frag of body w alveoli	White	3867
			▶ Poor calcination: Inside bone. Light grey, sandwich effect		
1	Skull	Dentition	Frag of root		3868
1	Skull	Dentition	Frag of 1st or 2nd max perm molar		3869
1	Skull	Dentition	Frag of mand perm canine		3870
18	Axial	Rib fragments	Shaft frags	White	3871
1	Axial	Rib fragments	Shaft frag	White	3872
			▶ Poor calcination: Some on surface, all of inside. Dark grey		
4	Axial	Cervical vertebra	Frag of bodies	White	3873
			▶ Poor calcination: On surface of body. Light to mid grey		
1	Axial	Atlas vertebra	Frag	White	3874
			▶ Poor calcination: On surface. Mid grey		
1	Axial	Axis vertebra	Frag, body and part of arch	White	3875
			▶ Ageing indicator: . Dens fully formed, age over 12		
			▶ Poor calcination: Some inside arch. Light grey		
			▶ Specks: A few specks on body. Pale turquoise		
1	Axial	Cervical vertebra	Frag of arch, art facets	White	3876
			▶ Poor calcination: On surface. Light grey		
4	Axial	Thoracic vertebra	Frag of bodies	White	3877
1	Axial	Thoracic vertebra	Frag of body	White	3878
			▶ Poor calcination: Surface. Light grey		
1	Axial	Thoracic vertebra	Frag of bodies	White	3879
			▶ Specks: Widespread, but not many. Pale turquoise		
1	Axial	Thoracic vertebra	Frag of neural arch	White	3880
			▶ Specks: Bone surface. Bright turquoise		
1	Axial	Thoracic vertebra	Sup art facet	White	3881
			▶ Poor calcination: Bone surface. Mid grey		
2	Axial	Lumbar vertebra	Frag of bodies	White	3882
			▶ Poor calcination: Some on surface. Light to mid grey		
7	Axial	Sacrum	Frag of bodies and alae	White	3883
			▶ Poor calcination: Mostly on surface, some inside bone. Light to dark grey		
1	Upper limb	Clavicle	Shaft frag	White	3884
			▶ Poor calcination: Inside spongy bone. Light grey		
			▶ Specks: On surface, widespread. Pale turquoise		
2	Upper limb	Scapula	Frag	White	3885

Osteological data report for Saxe-Coburg Place

44.2.4 Bone fragments in 'EA 3'

Qnt	Body element	Skeletal element	Fragment description	Main colour	Ref
			▶ Stain: In exposed spongy bone. Pale red		
1	Upper limb	Scapula	Frag of lateral border and part of glenoid fossa	White	3886
3	Upper limb	Humerus	Shaft frags	White	3887
			▶ Poor calcination: Inside bone and in medullary cavity. Mid grey, sandwich effect		
1	Upper limb	Humerus	Frag of distal end, trochlea	White	3888
3	Upper limb	Radius	Shaft frags	White	3889
			▶ Poor calcination: Inside bone and in medullary cavity. Mid to dark grey, sandwich effect		
1	Upper limb	Radius	Frag of distal end	White	3890
2	Upper limb	Ulna	Shaft frags	White	3891
			▶ Poor calcination: Medullary cavity. Mid to dark grey		
4	Upper limb	Metacarpal	Frag	White	3892
			▶ Poor calcination: Inside bone. Light to mid grey		
1	Upper limb	Hamate	Frag	White	3893
			▶ Specks: Surface. Pale green/turquoise		
10	Upper limb	Hand phalanges	Frag, proximal and intermediagte	White	3894
			▶ Poor calcination: Inside and some on surface. Light to mid grey		
1	Upper limb	Hand phalanges	Complete, distal	White	3895
4	Lower limb	Ilium	Frag	White	3896
2	Lower limb	Ilium	Iliac crest	White	3897
			▶ Ageing indicator: . Iliac crest fully fused, age over 17-23		
			▶ Poor calcination: Inside spongy bone. Mid grey		
1	Lower limb	Femur	Frag of head	White	3898
			▶ Poor calcination: Inside spongy bone. Dark grey		
3	Lower limb	Femur	Frag of distal end, condyles	White	3899
2	Lower limb	Femur	Frag of distal end, condyles	White	3900
			▶ Poor calcination: Inside bone, some on surface. Mid to dark grey		
			▶ Specks: Surface. Pale turquoise		
3	Lower limb	Femur	Shaft frags	White	3901
11	Lower limb	Femur	Shaft frags	White	3902
			▶ Poor calcination: Inside bone and in medullary cavity. Mid to dark grey, sandwich effect		
6	Lower limb	Femur	Shaft frags	White	3903
			▶ Poor calcination: Medullary cavity, only thin shell is lighter. V dark grey and blue		
1	Lower limb	Femur	Shaft frag	White	3904
			▶ Specks: A few on surface. Pale turquoise		
1	Lower limb	Patella	Frag	White	3905
			▶ Specks: A few. Pale turquoise		
1	Lower limb	Tibia	Shaft frag	White	3906
2	Lower limb	Tibia	Shaft frags	White	3907

Osteological data report for Saxe-Coburg Place

44.2.4 Bone fragments in 'EA 3'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Poor calcination: Inside bone and in medullary cavity. Light to mid grey, sandwich effect		
3	Lower limb	Tibia	Frag of proximal shaft and end	White	3908
5	Lower limb	Fibula	Shaft frags	White	3909
			▶ Poor calcination: Inside bone, some in medullary cavity. Light to mid grey, sandwich effect		
1	Lower limb	Talus	Frag	White	3910
1	Lower limb	Talus	Frag	White	3911
			▶ Specks: Larger speck just below trochlea. Pale green/turquoise		
1	Lower limb	Medial cuneiform	Frag	White	3912
1	Lower limb	Medial cuneiform	Frag	White	3913
			▶ Stain: On surface. Pale red		
1	Lower limb	Intermediate cuneiform	Frag	White	3914
1	Lower limb	Lateral cuneiform	Frag	White	3915

Osteological data report for Shandon Crescent

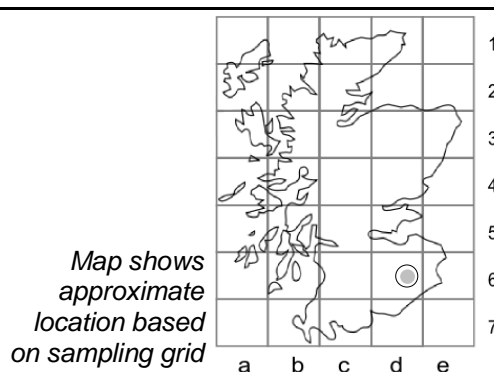
45.1 Site details for Shandon Crescent

Classification and identification

Site type: Single
Canmore ref: 52709
Excavated:
Deposits: 1

Location

Local authority: Edinburgh, City of
Easting: 323019
Northing: 671692



Minimum number of individuals (MNI)

MNI: 1
Males: Adult: 1
Females: 1 Child/adolescent:
Infant:

Osteological data report for Shandon Crescent

45.2 Deposit details for 'EA 123'

Deposit details

Deposit ID: EA 123
Urn type: Collared urn
Entered: 20/06/2011 18:37:03

Radiocarbon date

Lab number:
BP date: 0 +/- 0
Cal BC*: 0 - 0

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female: 1
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 531g
Extraneous material: 21g
Est. inclusion 2-5mm: 0g (10%)
Total human bone: 510g
Human bone weights by sieving fraction:
>10mm: 363g
5-10mm: 142g
2-5mm: 5g

Largest cranial and post cranial fragments

57.23mm Parietal
59.95mm Femur

Identified bone fragments

Total identified bone: 244g (48%)
No. of ident. fragments: 122
Mean ident. fragment: 2g
Identified fragment weights by body element:
Skull: 119g
Axial: 10g
Lower limb: 51g
Upper limb: 64g

Pyre inferences

Poorly calcined fragments: 22 (18%)
Turquoise staining: (%)

Osteological data report for Shandon Crescent

45.2.1 Individuals in 'EA 123'

No. Sex Age

1	?F	Adult		
Ageing indicator	Metacarpal	Heads of metacarpals fused, age over 14-16		
Ageing indicator	Axis vertebra	Dens fully formed, age over 12		
Ageing indicator	Mandible	V small, juvenile or female		
Ageing indicator	Parietal	Lambd suture open		
Sexing indicator	Frontal bone	Scores 2, ?female		
Sexing indicator	Frontal bone	Scores 2, ?female		

45.2.2 Pyre goods in 'EA 123'

Quantity Material Typology/classification Description

45.2.3 Inclusions in 'EA 123'

Weight (g) Inclusion type

19 Pottery

45.2.4 Bone fragments in 'EA 123'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
39	Skull	Unspecified	Skull vault	White	3564
1	Skull	Parietal	Skull vault	White	3565
			► Poor calcination: Endocranial surface. Light grey		
6	Skull	Parietal	Skull vault	White	3566
			► Ageing indicator: . Lambd suture open		
7	Skull	Temporal bone	Frag	White	3567
4	Skull	Occipital	Frag, incl cruciform eminence and sulci	White	3568
1	Skull	Mandible	Frag of body	White	3569
4	Skull	Mandible	Frag of body w alveoli	White	3570
1	L Skull	Mandible	Frag of asc ramus w condyle	White	3571
			► Ageing indicator: . V small, juvenile or female		
1	R Skull	Zygomatic	Frontal process	White	3572
1	R Skull	Frontal bone	Frag of supraorbital margin	White	3573
			► Sexing indicator: . Scores 2, ?female		
1	L Skull	Frontal bone	Frag of supraorbital margin	White	3574
			► Sexing indicator: . Scores 2, ?female		
1	Axial	Axis vertebra	Frag of dens	White	3575
			► Ageing indicator: . Dens fully formed, age over 12		
1	Axial	Thoracic vertebra	Sup art facet	White	3576
14	Axial	Rib fragments	Shaft frags	White	3577
2	Upper limb	Scapula	Frag	White	3578
1	Upper limb	Humerus	Frag of head	White	3579

Osteological data report for Shandon Crescent

45.2.4 Bone fragments in 'EA 123'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Poor calcination: Inside spongy bone. Light grey		
1	Upper limb	Humerus	Frag of head	White	3580
7	Upper limb	Humerus	Shaft frag	White	3581
			▶ Poor calcination: Inside bone. Light grey, sandwich effect		
1	Upper limb	Humerus	Frag of distal end, olecranon fossa	White	3582
4	Upper limb	Ulna	Shaft frags	White	3583
			▶ Poor calcination: V faint, inside bone, not all over. Light grey, sandwich effect		
4	Upper limb	Radius	Shaft frags	White	3584
			▶ Poor calcination: Inside bone, also some in medullary cavity. Light grey, sandwich effect		
2	Upper limb	Metacarpal	Frag	White	3585
			▶ Poor calcination: Inside spongy bone. Light grey		
			▶ Ageing indicator: . Heads of metacarpals fused, age over 14-16		
4	Upper limb	Hand phalanges	Frag, proximal and intermediate	White	3586
3	Lower limb	Femur	Shaft frags	White	3587
2	Lower limb	Femur	Frag of distal end, condyles	White	3588
			▶ Poor calcination: Inside spongy bone. Light grey		
1	Lower limb	Patella	Frag	White	3589
3	Lower limb	Tibia	Shaft frags	White	3590
1	Lower limb	Tibia	Frag of proximal end, epicondyle	White	3591
3	Lower limb	Fibula	Shaft frags	White	3592
1	Lower limb	Fibula	Shaft frag	White	3593
			▶ Poor calcination: Inside bone. Light grey, sandwich effect		

Osteological data report for Shanwell House

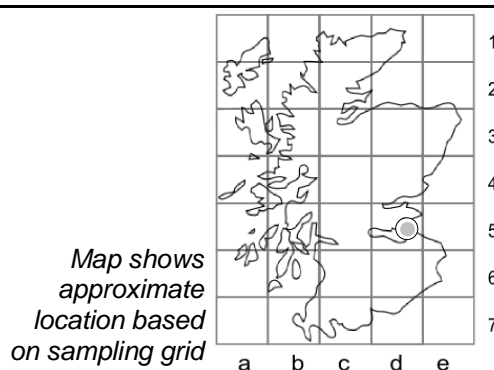
46.1 Site details for Shanwell House

Classification and identification

Site type: Flat cemetery
Canmore ref: 26487
Excavated:
Deposits: 1

Location

Local authority: Perth and Kinross
Easting: 307602
Northing: 705010



Minimum number of individuals (MNI)

MNI: 1
Males: Adult: 1
Females: Child/adolescent:
Infant:

Osteological data report for Shanwell House

46.2 Deposit details for 'EA 107'

Deposit details

Deposit ID: EA 107
Urn type: Cordoned urn
Entered: 17/06/2011 18:21:40

Radiocarbon date

Lab number:
BP date: +/-
Cal BC*: -

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 120g
Extraneous material: 1g
Est. inclusion 2-5mm: 0g (0%)
Total human bone: 119g
Human bone weights by sieving fraction:
>10mm: 117g
5-10mm: 1g
2-5mm: 1g

Largest cranial and post cranial fragments

0mm	n/a
75.45mm	Iliac crest

Identified bone fragments

Total identified bone: 86g (72%)
No. of ident. fragments: 16
Mean ident. fragment: 5.38g
Identified fragment weights by body element:
Skull: 0g
Axial: 0g
Lower limb: 72g
Upper limb: 14g

Pyre inferences

Poorly calcined fragments: 8 (50%)
Turquoise staining: 1 (6%)

Osteological data report for Shanwell House

46.2.1 Individuals in 'EA 107'

No. Sex Age

1	??	Adult		
	Ageing indicator	Ischium	Ischial tuberosity fully fused, age over 16-18	
	Ageing indicator	Ischium	Ischial tuberosity fully fused, age over 16-18	
	Ageing indicator	Ilium	Auricular surface too small part to age	
	Ageing indicator	Ilium	Iliac crest fully fused, age over 17-21	

46.2.2 Pyre goods in 'EA 107'

Quantity Material Typology/classification Description

46.2.3 Inclusions in 'EA 107'

Weight (g) Inclusion type

46.2.4 Bone fragments in 'EA 107'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
2	Upper limb	Humerus	Shaft frags ▶ Poor calcination: Inside bone. Mid grey, sandwich effect	White	3453
1	R Lower limb	Ilium	Iliac crest ▶ Ageing indicator: . Iliac crest fully fused, age over 17-21 ▶ Poor calcination: Small amount inside spongy bone. Light grey	White	3454
2	Lower limb	Ilium	Frag w part of auricular surface ▶ Ageing indicator: . Auricular surface too small part to age	White	3455
1	R Lower limb	Ischium	Ischial tuberosity ▶ Ageing indicator: . Ischial tuberosity fully fused, age over 16-18 ▶ Specks: Lateral side, both on surface and in break. Pale turquoise	White	3456
1	L Lower limb	Ischium	Ischial tuberosity ▶ Ageing indicator: . Ischial tuberosity fully fused, age over 16-18	White	3457
1	R Lower limb	Femur	Proximal shaft, lesser trochanter ▶ Poor calcination: Inside spongy bone. Light grey	White	3458
1	Lower limb	Femur	Proximal shaft, frag of neck ▶ Poor calcination: Inside spongy bone. Light grey	White	3459
1	Lower limb	Femur	Shaft frag ▶ Poor calcination: Inside bone. Light grey, sandwich effect	White	3460
1	Lower limb	Femur	Frag of distal end, condyle	White	3461
1	Lower limb	Tibia	Frag of proximal end, epicondyle ▶ Poor calcination: Inside spongy bone. Light grey	White	3462
1	Lower limb	Tibia	Shaft frag	White	3463
1	L Lower limb	Fibula	Frag of proximal end ▶ Poor calcination: Inside spongy bone. Light grey	White	3464
1	Lower limb	Talus	Frag of trochlea	White	3465
1	Upper limb	Ulna	Frag of olecranon process	White	3506

Osteological data report for Tranent

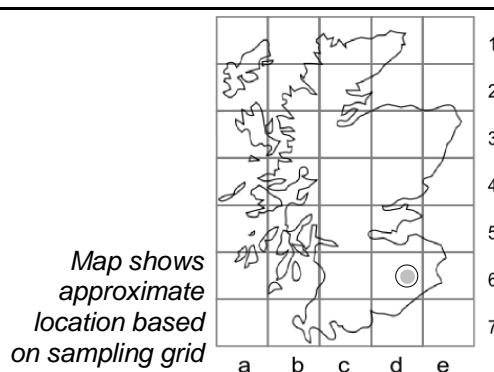
47.1 Site details for Tranent

Classification and identification

Site type: Flat, single
Canmore ref: 55018
Excavated: 1861
Deposits: 1

Location

Local authority: East Lothian
Easting: 340010
Northing: 673014



Minimum number of individuals (MNI)

MNI: 1
Males: Adult: 1
Females: Child/adolescent:
Infant:

Osteological data report for Tranent

47.2 Deposit details for 'EA 72'

Deposit details

Deposit ID: EA 72
Urn type: Uncertain
Entered: 21/07/2011 19:36:03

Radiocarbon date

Lab number:
BP date: 0 +/- 0
Cal BC*: 0 - 0

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 88g
Extraneous material: 6g
Est. inclusion 2-5mm: 0g (0%)
Total human bone: 82g
Human bone weights by sieving fraction:
>10mm: 79g
5-10mm: 3g
2-5mm: 0g

Largest cranial and post cranial fragments

44.4mm Occipital
63.44mm Humerus

Identified bone fragments

Total identified bone: 56g (68%)
No. of ident. fragments: 11
Mean ident. fragment: 5.09g
Identified fragment weights by body element:
Skull: 30g
Axial: 0g
Lower limb: 7g
Upper limb: 19g

Pyre inferences

Poorly calcined fragments: 2 (18%)
Turquoise staining: (%)

Osteological data report for Tranent

47.2.1 Individuals in 'EA 72'

No. Sex Age

1 ?? Adult

Ageing indicator Occipital V thick, must be adult

47.2.2 Pyre goods in 'EA 72'

Quantity Material Typology/classification Description

47.2.3 Inclusions in 'EA 72'

Weight (g) Inclusion type

47.2.4 Bone fragments in 'EA 72'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Skull	Unspecified	Skull vault	White	5820
5	Skull	Occipital	Skull vault	White	5821
			► Ageing indicator: . V thick, must be adult		
2	Upper limb	Humerus	Shaft frags	White	5822
1	Upper limb	Humerus	Shaft frag	White	5823
			► Poor calcination: Inside bone. Light grey, sandwich effect		
1	Lower limb	Femur	Shaft frag, proximal	White	5824
			► Poor calcination: Inside bone. Light grey, sandwich effect		
1	Lower limb	Tibia	Shaft frag	White	5825

Osteological data report for Tuack

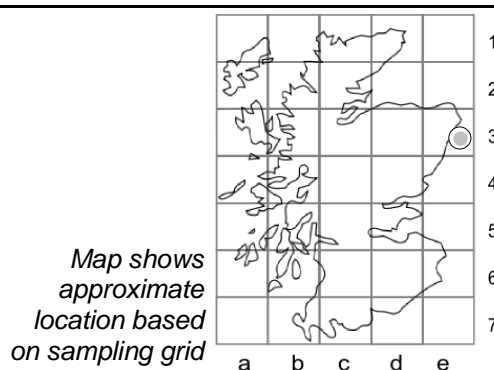
48.1 Site details for Tuack

Classification and identification

Site type: Stone circle
Canmore ref: 18583
Excavated: 1864
Deposits: 2

Location

Local authority: Aberdeenshire
Easting: 379589
Northing: 815415



Minimum number of individuals (MNI)

MNI: 2

Males:	Adult:
Females:	Child/adolescent: 2
	Infant:

Osteological data report for Tuack

48.2 Deposit details for 'EP 5'

Deposit details

Deposit ID: EP 5
Urn type: Cordoned urn
Entered: 01/06/2011 11:13:49

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent: 1
Adult:

Largest cranial and post cranial fragments

39.79mm Unspecified
59.72mm Femur

Pyre inferences

Poorly calcined fragments: 17 (26%)
Turquoise staining: 7 (11%)

Radiocarbon date

Lab number:
BP date: +/-
Cal BC*: -

** based on 2 sigma date range (95% likelihood)*

Composition of deposit by weight

Total initial weight: 468g
Extraneous material: 53g
Est. inclusion 2-5mm: 10g (40%)
Total human bone: 405g
Human bone weights by sieving fraction:
>10mm: 327g
5-10mm: 64g
2-5mm: 24g

Identified bone fragments

Total identified bone: 148g (37%)
No. of ident. fragments: 66
Mean ident. fragment: 2.24g
Identified fragment weights by body element:
Skull: 67g
Axial: 11g
Lower limb: 52g
Upper limb: 18g

Osteological data report for Tuack

48.2.1 Individuals in 'EP 5'

No. Sex Age

1	??	Child/adolescent 18-19
Ageing indicator	Femur	Size is small, looks unfused? Under 14-20?
Ageing indicator	Femur	Size appears slightly less than fully adult
Ageing indicator	Sacrum	S1 and S2 unfused, age under mid-twenties
Ageing indicator	Ischium	Ischial tuberosity fully fused, age over 16-18
Ageing indicator	Radius	Distal radial epiphysis unfused, age under 14-20
Ageing indicator	Scapula	Glenoid fossa fully fused, age over 17-18
Sexing indicator	Ilium	Fragment too incomplete to sex
Sexing indicator	Mandible	Small and delicate size indicates ?female

48.2.2 Pyre goods in 'EP 5'

Quantity Material Typology/classification Description

1	Worked bone	Bone toggle	longbone shaft w rows of drilled holes
1	Animal bone		Small frag of longbone

48.2.3 Inclusions in 'EP 5'

Weight (g) Inclusion type

48.2.4 Bone fragments in 'EP 5'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
11	Skull	Unspecified	Skull vault	White	3163
6	Skull	Unspecified	Skull vault	White	3164
			► Poor calcination: Diploe. Light to mid grey, sandwich effect		
1	Skull	Unspecified	Skull vault	White	3165
			► Stain: Endocranial. Red		
3	Skull	Parietal	Skull vault	White	3166
2	Skull	Temporal bone	Frag	White	3167
1	R Skull	Temporal bone	Mastoid process	White	3168
1	Skull	Maxilla	Frag of alveolar process w alveoli	White	3169
1	R Skull	Zygomatic	Frag w frontal process	White	3170
1	L Skull	Mandible	Frag of ascending ramus w condyle	White	3171
			► Sexing indicator: . Small and delicate size indicates ?female		
8	Axial	Rib fragments	Shaft frags	White	3172
3	Axial	Rib fragments	Shaft frags	White	3173
			► Specks: Surface of bone, but also inside. Pale to birght turquoise		
1	Axial	Thoracic vertebra	Frag of body	White	3174
1	Axial	Thoracic vertebra	Frag of neural arch	White	3175
1	Axial	Sacrum	Frag of one of the lower bodies	White	3176
2	Upper limb	Clavicle	Frag of shaft	White	3177
			► Poor calcination: Laterally, inside bone. Light grey		
1	Upper limb	Scapula	Frag	White	3178

Osteological data report for Tuack

48.2.4 Bone fragments in 'EP 5'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	L Upper limb	Scapula	Frag of glenoid fossa ▶ Ageing indicator: . Glenoid fossa fully fused, age over 17-18 ▶ Poor calcination: . Inside spongy bone	White	3179
2	Upper limb	Radius	Frag of shaft ▶ Specks: Along shaft on one frag. Pale turquoise	White	3180
1	Upper limb	Radius	Frag of distal end ▶ Ageing indicator: . Distal radial epiphysis unfused, age under 14-20	White	3181
2	Upper limb	Hand phalanges	Frag of intermediate ▶ Specks: . Pale turquoise	White	3182
1	Axial	Sacrum	Unfused S1 ▶ Ageing indicator: . S1 and S2 unfused, age under mid-twenties	White	3183
1	Lower limb	Ilium	Frag ▶ Poor calcination: Inside spongy bone. Dark grey	White	3184
1	R Lower limb	Ischium	Ischial tuberosity ▶ Ageing indicator: . Ischial tuberosity fully fused, age over 16-18	White	3185
1	Lower limb	Ilium	Greater sciatic notch ▶ Sexing indicator: . Fragment too incomplete to sex ▶ Poor calcination: Inside bone. Dark grey	White	3186
1	Lower limb	Femur	Shaft frag	White	3187
2	Lower limb	Femur	Shaft frags ▶ Poor calcination: Medullary cavity. Light to mid grey	White	3188
2	Lower limb	Femur	Shaft frags ▶ Poor calcination: Surface white, inside v dark. Dark grey, sandwich effect	White	3189
1	Lower limb	Femur	Frag of proximal end ▶ Ageing indicator: . Size appears slightly less than fully adult	White	3190
1	Lower limb	Femur	Frag of distal end, condyles ▶ Ageing indicator: . Size is small, looks unfused? Under 14-20?	White	3191
1	Lower limb	Femur	Frag of condyle	White	3192
1	L Lower limb	Navicular	Frag ▶ Poor calcination: Inside spongy bone. Light grey	White	3193
1	Lower limb	Calcaneus	Frag ▶ Poor calcination: Inside spongy bone. Light grey	White	3194
1	Lower limb	Metatarsal bone	Frag	White	3195
1	Lower limb	Intermediate cuneiform	Frag	White	3196

Osteological data report for Tuack

48.2 Deposit details for 'EP 6'

Deposit details

Deposit ID: EP 6
Urn type: Uncertain
Entered: 01/06/2011 11:13:59

Radiocarbon date

Lab number:
BP date: +/-
Cal BC*: -

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male:
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent: 1
Adult:

Composition of deposit by weight

Total initial weight: 90g
Extraneous material: 1g
Est. inclusion 2-5mm: 0g (0%)
Total human bone: 89g
Human bone weights by sieving fraction:
>10mm: 75g
5-10mm: 13g
2-5mm: 1g

Largest cranial and post cranial fragments

45.73mm Parietal
41.47mm Femur

Identified bone fragments

Total identified bone: 55g (62%)
No. of ident. fragments: 29
Mean ident. fragment: 1.9g
Identified fragment weights by body element:
Skull: 27g
Axial: 1g
Lower limb: 21g
Upper limb: 6g

Pyre inferences

Poorly calcined fragments: 5 (17%)
Turquoise staining: 6 (21%)

Osteological data report for Tuack

48.4.1 Individuals in 'EP 6'

No. Sex Age

1	??	Child/adolescent	Probably adolescent, 12-18 if not ind.	2	Extra bone growth on ip of dens.
Ageing indicator	Axis vertebra	Dens complete, age over 12			
Ageing indicator	Tibia	Distal epiphysis unfused, age under 14-18			
Ageing indicator	Ischium	Ischial tuberosity unfused, age under 16-18			
Ageing indicator	Radius	Distal radius unfused, age under 14-20			
Ageing indicator	Parietal	Sag suture open			
Pathology	Axis vertebra	Extra bone growth on tip?			

48.4.2 Pyre goods in 'EP 6'

Quantity Material Typology/classification Description

48.4.3 Inclusions in 'EP 6'

Weight (g) Inclusion type

48.4.4 Bone fragments in 'EP 6'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
6	Skull	Unspecified	Skull vault	White	3325
5	Skull	Parietal	Skull vault	White	3326
			▶ Specks: Both endo- and ectocranial surfaces. Pale turquoise		
			▶ Ageing indicator: . Sag suture open		
1	Skull	Parietal	Skull vault	White	3327
2	Skull	Unspecified	Skull vault	White	3328
			▶ Poor calcination: Diploe. Light grey, sandwich effect		
1	L Skull	Zygomatic	Frag w frontal process	White	3329
1	Axial	Axis vertebra	Dens	White	3330
			▶ Pathology: On tip of dens. Extra bone growth on tip?		
			▶ Ageing indicator: . Dens complete, age over 12		
1	Upper limb	Clavicle	Frag of shaft	White	3331
			▶ Poor calcination: Inside medullary cavity. Mid grey		
1	Upper limb	Radius	Frag of unfused distal shaft	White	3332
			▶ Ageing indicator: . Distal radius unfused, age under 14-20		
1	Upper limb	Humerus	Frag of head	White	3333
1	Lower limb	Ischium	Frag of unfused tuberosity and part of acetabulum	White	3334
			▶ Ageing indicator: . Ischial tuberosity unfused, age under 16-18		
6	Lower limb	Ilium	Frag	White	3335
2	Lower limb	Femur	Shaft frags	White	3336
			▶ Poor calcination: Medullary cavity. Light to mid grey		
1	Lower limb	Tibia	Frag of distal end, unfused	White	3337

Osteological data report for Tuack

48.4.4 Bone fragments in 'EP 6'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
			▶ Ageing indicator: . Distal epiphysis unfused, age under 14-18		
			▶ Specks: On surface of bone, widespread. Pale turquoise		

Osteological data report for Udney

49.2 Deposit details for 'EA 121'

Deposit details

Deposit ID: EA 121
Urn type: Vase urn
Entered: 21/07/2010 18:21:27

Radiocarbon date

Lab number: GrA-23976
BP date: 3570 +/- 45
Cal BC*: 1740 - 2040

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 1
Individuals by sex:
Male: 1
Female:
Individuals by age category:
Foetal/infant:
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 335g
Extraneous material: 96g
Est. inclusion 2-5mm: 0g (0%)
Total human bone: 239g
Human bone weights by sieving fraction:
>10mm: 130g
5-10mm: 67g
2-5mm: 42g

Largest cranial and post cranial fragments

25.36mm Frontal
50.42mm Femur

Identified bone fragments

Total identified bone: 62g (26%)
No. of ident. fragments: 69
Mean ident. fragment: 0.9g
Identified fragment weights by body element:
Skull: 24g
Axial: 2g
Lower limb: 14g
Upper limb: 22g

Pyre inferences

Poorly calcined fragments: (%)
Turquoise staining: 1 (1%)

Osteological data report for Udney

49.2.1 Individuals in 'EA 121'

No. Sex Age

1	?M	Adult	Bone artefact
	Ageing indicator	Parietal	Suture appears fully open
	Sexing indicator	Frontal bone	Supraorbital margin scores 5, male

49.2.2 Pyre goods in 'EA 121'

Quantity Material Typology/classification Description

1	Animal bone	Worked	Carpal/tarsal with drilled hole in head? 1 g
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49.2.3 Inclusions in 'EA 121'

Weight (g) Inclusion type

12	Pottery
18	Stone

49.2.4 Bone fragments in 'EA 121'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
11	Axial	Rib fragments	Shaft fragments	White	1084
1	Skull	Dentition	Maxillary second premolar, root		1085
1	Skull	Frontal bone	Supraorbital margin	White	1086
			▶ Sexing indicator: Supraorbital margin. Supraorbital margin scores 5, male		
			▶ Specks: Inside of orbit. Pale turquoise		
1	Skull	Temporal bone	Fragment of mastoid process	White	1087
1	Skull	Frontal bone	Fragment of frontal sinus	White	1088
3	Skull	Parietal	Skull vault with sagittal suture	White	1089
			▶ Ageing indicator: Sagittal suture. Suture appears fully open		
40	Skull	Unspecified	Skull vault fragments, small	White	1090
2	Upper limb	Scapula	Fragments of border	White	1091
1	R Skull	Mandible	Fragment of ramus	White	1092
2	Upper limb	Humerus	Fragments of shaft	White	1093
3	Upper limb	Radius	Fragments of shaft	White	1094
1	Lower limb	Femur	Fragment of proximal shaft	White	1095
1	Lower limb	Femur	Fragment of shaft	White	1096
1	Lower limb	Femur	Fragment of distal shaft	White	1097

Osteological data report for Westwood, Newport on Tay

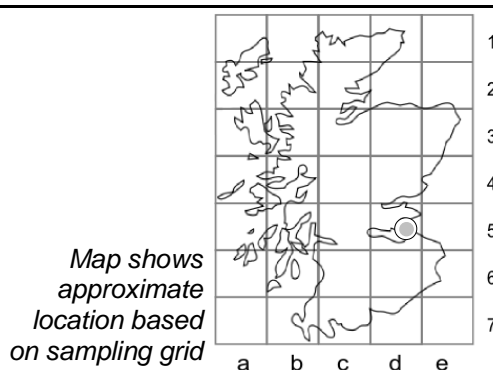
50.1 Site details for Westwood, Newport on Tay

Classification and identification

Site type: Flat cemetery
Canmore ref: 33123
Excavated:
Deposits: 1

Location

Local authority: Fife
Easting: 341879
Northing: 727530



Minimum number of individuals (MNI)

MNI: 2
Males: Adult: 1
Females: 1 Child/adolescent:
Infant: 1

Osteological data report for Westwood, Newport on Tay

50.2 Deposit details for 'EA 60'

Deposit details

Deposit ID: EA 60
Urn type: Uncertain
Entered: 14/06/2011 18:45:05

Radiocarbon date

Lab number:
BP date: +/-
Cal BC*: -

** based on 2 sigma date range (95% likelihood)*

Demographic data for deposit

Min. no. of individuals (MNI): 2
Individuals by sex:
Male:
Female: 1
Individuals by age category:
Foetal/infant: 1
Child/adolescent:
Adult: 1

Composition of deposit by weight

Total initial weight: 112g
Extraneous material: 78g
Est. inclusion 2-5mm: 7g (60%)
Total human bone: 27g
Human bone weights by sieving fraction:
>10mm: 21g
5-10mm: 2g
2-5mm: 11g

Largest cranial and post cranial fragments

47.38mm Unspecified skull vault
37.85mm Thoracic vertebra

Identified bone fragments

Total identified bone: 22g (80%)
No. of ident. fragments: 13
Mean ident. fragment: 1.69g
Identified fragment weights by body element:
Skull: 10g
Axial: 4g
Lower limb: 7g
Upper limb: 1g

Pyre inferences

Poorly calcined fragments: 4 (31%)
Turquoise staining: 1 (8%)

Osteological data report for Westwood, Newport on Tay

50.2.1 Individuals in 'EA 60'

No. Sex Age

1	?F	Adult		
Ageing indicator	Thoracic vertebra	Annular ring fused, age over mid-20s		
Ageing indicator	Unspecified	Thickness suggests adult		
Pathology	Thoracic vertebra	Schmorl's node, c. 9.2 mm diameter		
Sexing indicator	Femur	Small size would indicate ?female		
2	??	Foetal/infant	At least 28 weeks.	
Ageing indicator	Humerus	Size suggests infant		
Ageing indicator	Temporal bone	Length (21.34 mm) suggests 28 weeks prenatal		
Ageing indicator	Unspecified	Thickness suggests young child/infant		
Ageing indicator	Unspecified	Thickness suggests young child/infant		

50.2.2 Pyre goods in 'EA 60'

Quantity Material Typology/classification Description

50.2.3 Inclusions in 'EA 60'

Weight (g) Inclusion type

2	Charcoal		
33	Pottery		

50.2.4 Bone fragments in 'EA 60'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Skull	Unspecified	Skull vault ▶ Poor calcination: Diploe. Light grey, sandwich effect ▶ Ageing indicator: . Thickness suggests adult ▶ Stain: On one of surfaces, unclear which. Orange staining	White	3051
2	Skull	Unspecified	Skull vault ▶ Poor calcination: Parts of frags. Light grey, also some tan?? ▶ Ageing indicator: . Thickness suggests young child/infant	White	3052
6	Skull	Unspecified	Skull vault, small frags ▶ Ageing indicator: . Thickness suggests young child/infant	White	3053
1	L Skull	Temporal bone	Petrous part ▶ Ageing indicator: Petrous part. Length (21.34 mm) suggests 28 weeks prenatal ▶ Poor calcination: Inside bone. Light grey ▶ Stain: Parts of bone. Pale orange	White	3054
1	Axial	Thoracic vertebra	Frag of body ▶ Ageing indicator: Annular ring. Annular ring fused, age over mid-20s ▶ Pathology: Body. Schmorl's node, c. 9.2 mm diameter ▶ Specks: Surface of body. Pale turquoise	White	3055
1	Lower limb	Femur	Frag of head ▶ Sexing indicator: . Small size would indicate ?female	White	3056

Osteological data report for Westwood, Newport on Tay

50.2.4 Bone fragments in 'EA 60'

<u>Qnt</u>	<u>Body element</u>	<u>Skeletal element</u>	<u>Fragment description</u>	<u>Main colour</u>	<u>Ref</u>
1	Upper limb	Humerus	Frag of shaft	White	3057
			► Ageing indicator: . Size suggests infant		