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**ARCHAEOLOGICAL EXCAVATIONS  
UNDERTAKEN ALONG THE ROUTE OF THE  
MARKET DEEPING BYPASS**

**VOLUME 4  
APPENDICES 14 - 19**



**A P S**  
ARCHAEOLOGICAL  
PROJECT  
SERVICES

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EVENTS 41909 41910 41911  
41913 41915 41917 41920

SOURCE L16657

|| 5. DEC  
PRT'S 33379 L133379  
35359 L181578  
33431 L133431  
35360 L181579  
35361 L181583  
60706 L160706  
34753 L134753

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APPENDICES 14 - 19**

Work Undertaken For  
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Report compiled by Dale Trimble

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Appendix 14

Report on the animal bone from excavations on the  
Market Deeping bypass by James Rackham

by

Dr. James Rackham

## Market Deeping Bypass Animal Bone Report

### *Introduction*

Excavations at Fox Covert Farm, Market Deeping, in advance of the construction of the bypass led to the recovery by hand excavation of a sample of 5122 fragments of animal bone weighing 55.936 kilogrammes. A large proportion of this material, 27%, was recovered during a phase of cleaning the site after stripping during which all the recovered bone was three dimensionally recorded. This component is technically unstratified since it does not occur within any defined or recognised features but on the basis of the dating of the ceramic assemblages collected during the same exercise it has been possible to estimate the age, or age range, of the denser spreads and therefore utilise the data in some of the analyses. In addition to the hand collected material a large number of soil samples were taken from deposits within the features and washed and floated. The residues from these samples were sorted for animal bone and the findings are also discussed in this report.

The assemblage recovered from the excavated features has been phased by association with the ceramic and small finds assemblages. Deposits assigned to the late Neolithic/early Bronze Age and all later phases of activity have produced animal bone and these are summarised in Table 1. The preservation of this material was generally good, although a few fragments from most phases showed evidence of root channels, abrasion or corrosion. The assemblage with the greatest level of erosion was the 3D material from the cleaning layer. Since this layer represented the base of the ploughsoil it is not surprising that it produced the greatest proportion of poorer preserved bone. While this latter layer may have lost a proportion of the originally deposited bone, or be more heavily fragmented through trampling, it seems unlikely that post-burial processes will have seriously effected the assemblages recovered from deposits stratified within features. Average fragment weight for the whole hand collected assemblage is 10.9 grammes, while 43% of the fragments and 80% by weight were identified to species.

The animal bone was identified by reference to modern reference skeletons in the collection of the author and recorded directly into an ACCESS database using the recording procedures and codes routinely used by the Environmental Archaeology Consultancy. The details of these codes and the data recorded in each field are given in the key accompanying the attached Bone Catalogue. The analysis was conducted on material grouped from each archaeological period. This report refers to sheep throughout, even though many of the identifications were catalogued as 'sheep or goat'. Only one goat horn-core was identified and none of those post-cranial elements that are readily identified to sheep or to goat were classified as goat.

The assemblage of bone that was 3D recorded on site from the cleaning layer immediately below the ploughsoil shows clear areas of concentration (see Fig. 00). These can, in part, be related to the archaeological features distributed below. In order to group this material, which is otherwise unstratified and undated, the coordinates of the concentrations were



**Table 1:** Number of fragments of each taxa recorded from deposits of different phases, unphased layers and the three dimensionally recorded material

species	Nat	LN EBA	EIA	EIA?	E- MIA	E-M IA?	MIA	M- LIA	IA	IA?	LIA- Rom?	Rom	Rom?	Rom/ Sax?	Sax	Sax?	MED	PMED	MOD	ALL	AH?	?	3D rec.	
Human												11			24	1						1	1	5
Horse					1		1	6	3	2		18			6	4	1		1			6		17
Aurochs										1														
Aurochs ?															1									
Cattle	5	3	20	4	9	3	1	48	9	17	1	109	4	1	178	54	4	2	3	48	62	33	285	
Cattle size	7	3	35	8	10	8	3	52	7	17		188	3		269	89	10	4	1	59	177	38	361	
Sheep								2							3					1				
Goat															1									
Sheep/goat	1		54	25	19	12	3	83	12	5		64	12		104	39	4	6		64	71	29	258	
Sheep size	1	1	82	8	33	11	1	94	13	10		97	11	1	144	79	5	6	2	49	84	15	295	
Pig			28		6	5		20	1	2		22	1		27	15	1	1		32	17	5	62	
Red deer															2					1				
Dog								2				1	2			1						1	3	
Cat																1								
Badger																							1	
Mole															1									
Field vole													1											
Water vole													1		1									
Rodent													1											
Small animal								1							1								2	
Frog																		1						
Chicken												1	1		2			1			1		2	
Goose												1			20		1				1		3	
Goose size															4									
Unidentified bird								1							3								1	
Unidentified	1	1	53	6	15	7		26	7	1		60	7		92	48	1	4	3	21	36	5	111	
<b>TOTALS</b>	<b>15</b>	<b>8</b>	<b>272</b>	<b>51</b>	<b>93</b>	<b>46</b>	<b>9</b>	<b>335</b>	<b>52</b>	<b>54</b>	<b>1</b>	<b>572</b>	<b>44</b>	<b>2</b>	<b>883</b>	<b>331</b>	<b>27</b>	<b>25</b>	<b>10</b>	<b>275</b>	<b>456</b>	<b>127</b>	<b>1406</b>	



used to select these concentrations during the analysis and a summary of the bone finds is presented in Table 2. A similar distribution pattern of the pottery (see Fig. 00) indicates that the bulk of the ceramics recovered during this 3D recording exercise are of Iron Age date but a scatter of Roman and Saxon sherds occurs, particularly in the central and northern areas of the site.

**Table 2:** Frequency of fragments of each taxa in the spreads of 3D recorded bone

Area	Round-house	South east	Enclosure area	NW Hollows
Coordinates	13900-13920/ 8955-8975	>13920 < 8975	13870-13935/ 8975-9035	<13850 > 9020
Man			2	2
Horse	3		10	3
Cattle	28	12	176	40
Cattle size	39	23	214	50
Sheep or goat	57	16	131	25
Sheep size	80	24	139	25
Pig	14		26	10
Dog	1	1	1	
Badger			1	
Small animal	1		1	
Chicken			2	
Goose	1		2	
Unidentified bird				1
Unidentified	21	8	50	6

### *Taphonomy and fragmentation*

The level of fragmentation of the bones in different areas and from different taxa has been assessed through an analysis of the relationship between the total number of fragments identified to that taxa and the total number of diagnostic zones (Rackham 1986; Watson 1979 – see key for zone definition) recorded on those fragments. Hence an index of 1 represents an average of one diagnostic zone per individual fragment of bone. Since most bones carry more than one zone (see Appendix and Bone Key) an index of 0.5 or less reflects fairly high fragmentation, while an index of over 1 indicates an assemblage that is not highly fragmented. This analysis has been restricted to the cattle (and cattle size), sheep (and sheep size) and pig bones, which form the bulk of the bone assemblage.

Fragmentation at the site is fairly high with indices for the fragments identified to species ranging from 0.29 to 1.55 (Table 3). What is clear from this table and Figure 1 is that the fragmentation varies between the species. The data indicates that sheep bones have suffered the greatest degree of fragmentation and pig the least, although with the latter species tending to be represented by juveniles it is possible that with this taxa there has been a total loss, rather than fragmentation, of many bones. The fragmentation index for pig is much more variable than sheep and cattle (Table 3). There is a suggestion from the fragmentation indices and the average fragment weight that cattle bones recovered from the buried soil horizon and those recorded 3 dimensionally from the sub-soil cleaning have suffered a greater degree of fragmentation than those excavated from within features. This is not apparent for the smaller taxa although the bones recovered from the



floor of the middle Iron Age roundhouse, where a degree of trampling must be anticipated, do show a lower average fragment weight and a smaller fragmentation index. Although the fragmentation indices vary the figure (Figure 1) does show that each species exhibits a broad conformity with no major deviations from the species pattern, except perhaps in the case of cattle from the buried soil layers and the Hollows at the northern end of the site where the cattle bones are more fragmented than in other deposits. This probably results from a degree of trampling and weathering that other bones were not subjected to.

**Table 3:** Fragmentation Indices, Average fragment weight and Minimum number of paired element zones for cattle, sheep and pig.

	RH	Encl	HoH	EIA	E-MIA	M-LIA	IA?	Rom	Sax	All	All?
<b>Cattle</b>											
Index1	0.36	0.32	0.19	0.39	0.43	0.42	0.47	0.42	0.34	0.35	0.2
Index2	0.75	0.68	0.4	0.83	0.92	0.86	1.31	1.06	0.82	0.67	0.73
Av frag wt	19.7	25.2	11	57.75	38.1	42.8	46.6	47.6	37.7	23.9	30.5
MNE	2	6	2	3	1	4	2	5	8	2	4
<b>Sheep</b>											
Index1	0.28	0.29	0.34	0.36	0.29	0.25	0.15	0.27	0.3	0.37	0.26
Index2	0.56	0.61	0.64	0.75	0.71	0.51	0.5	0.78	0.69	0.64	0.56
Av frag wt	4.1	6.34	6.24	6.7	5.6	5.9	4.75	6.42	6.77	8.14	7.3
MNE	2	9	4	5	2	6	1	5	7	5	3
<b>Pig</b>											
Index2	0.29	0.77	1.1	0.57	1.55	0.5		1	0.81	0.87	0.76
Av frag wt	5.5	9.5	7.4	4.96	18.27	8.45	4	10.39	6.6	11.2	9.2
MNE	1	3	2	3	2	1	1	2	3	3	2

Index1 = total numbers of zones of cattle and cattle size (or sheep and sheep size) bones divided by the total number of fragments of cattle+cattle size (sheep+sheep size)

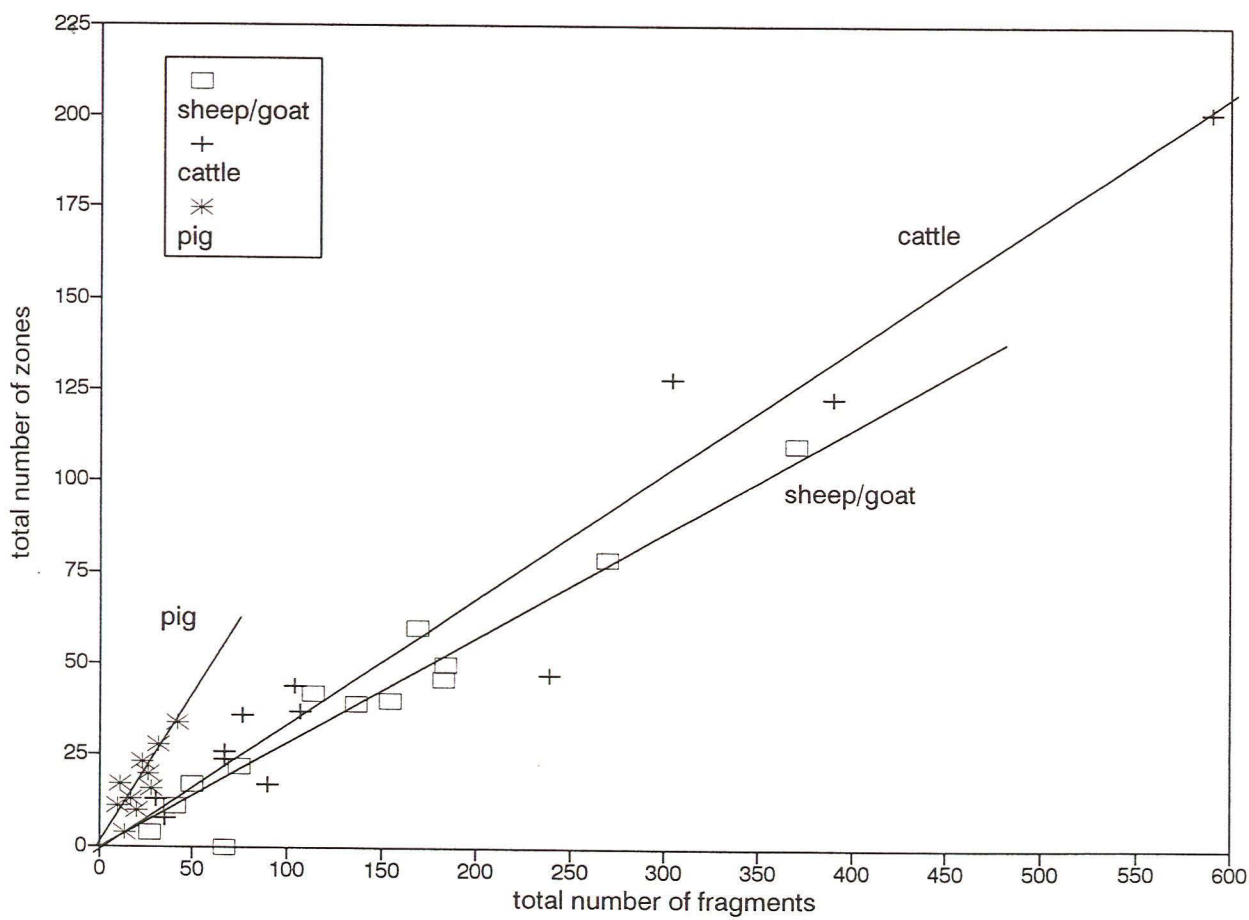
Index2 = total number of zones of cattle (or sheep + goat) divided by the total number of fragments of cattle (or sheep+goat)

MNE - minimum number of the most frequent paired skeletal element

These variations in fragmentation will clearly have had an impact of the relative frequency of bones of the different species in the deposits and must be taken into account when considering the importance of each. One potential factor that may have affected the species abundance in the Roundhouse 'floor' deposits is the possibility of house-cleaning activities having preferentially removed the larger cattle bones and therefore introduced a bias against this species.

One major influence on the survival and condition of the bones is the degree of scavenging and destruction by dogs. These can have a variable impact on different species and also bias the recovered sample. Overall 9.8% of the bone fragments show evidence of having been gnawed by dogs, although clearly many more may have been and left little or no recognisable marks. The data suggests that in general the pig bones are more heavily gnawed than cattle or sheep, with sheep bones less frequently gnawed and cattle the least. However this pattern is not consistent and the variation between the different phases or assemblages in Table 4 perhaps indicates differences in the disposal of bones of the different taxa.

Figure 1: Plot of the ratio of zones to fragments of cattle, sheep and pig





**Table 4: Percentage of Gnawed cattle and cattle size, sheep and sheep size and pig bones**

	EIA	E-MIA	M-LIA	Rom	Sax	RH	Encl	Holl	ALL	All?	total
Cattle & cattle size	14.9	6.7	14.4	8.2	7.4	20.9	11	11	10.3	5.9	9.7
Sheep & Sheep size	16.6	9.3	14.4	9.2	7.3	9.5	20	24	19.3	18.7	14.0
Pig	3.6	18.2	15	17.4	16.7	28.6	11.5	10	25	11.8	15.7

High proportions of gnawing on pig and cattle bones from the roundhouse floor suggests that the dogs may have scavenged from the 'table' or from bones discarded during food preparation or consumption. The high level of gnawing on sheep bones from the enclosure and hollows might indicate greater access to this species in these deposits. So although in general the evidence recorded suggests that dog scavenging will have had the greatest impact on pig bones and the least on cattle there are indications that this has varied across the site. Both the general pattern and that specific to different groups needs to be taken into account when comparing the bone assemblages. The tendency for gnawed bones to be more common in the 3D recorded bone and spreads probably reflects the fact that these bones were available on the ground surface for scavenging rather than discarded or buried in features.

**Table 5: Number of fragments in each preservation category by period**

Period	2	3	4	5
Nat		1	10	1
LNEBA	1	1	6	
EIA		6	264	2
EIA?		3	48	
E-MIA		2	91	
E-MIA?			46	
MIA			8	1
M-LIA		3	330	1
IA		6	45	1
IA?			62	
LIA-ROM?			1	
Rom		13	556	
Rom?			41	3
Rom/Sax?			2	
Sax		26	820	7
Sax?		11	320	
MED			27	
PMED			25	
MOD			10	
ALL	1	11	262	
All?		11	444	1
Round house	4	36	205	
SE corner	1	26	57	
Over Enclosure	4	43	708	
Top left corner	1	42	119	
3D recorded	13	153	1240	



Each bone fragment was recorded during cataloguing with a score that reflected its state of preservation (Table 5 and see bone key). In general most bone fragments were in a good state although very few could be classed as excellent. Loss of material from the assemblage through post-depositional erosion is likely to have been small but the £D recorded bone from the cleaning layer and the material from the buried soil shows the greatest proportion of poorly preserved bone fragments. This is to be anticipated in soils where plough damage, leaching, root penetration, etc will have impacted to a greater degree on bones in the topsoil in comparison to those buried within features below the modern plough-soil.

### *Butchery and species abundance*

There is little physical evidence for butchery on the bones. Cut and chop marks are present on bone fragments from the Early Iron Age group onwards, with those from the Saxon deposits and the Enclosure spread most frequently showing butchery evidence. Less than 2% of the whole bone sample carried chop marks or knife cuts, the latter being much less frequent, and the majority of these were on cattle and cattle size fragments. Rib bones are most frequently chopped. A few vertebrae of cattle, sheep and pig have been chopped down the middle suggesting that the carcasses were split into sides, even in contexts assigned to the Early-Middle Iron Age (?). The skulls of sheep and pigs had also been chopped down the middle, possibly when splitting the carcass or for the removal of the brains.

A few fragments of most elements had been butchered but the low numbers prevents any discussion of differences between taxa or periods although some consideration can be given to the frequency of different parts of the carcass. Few of the phased or grouped assemblages contain large enough samples to target this analysis, although fragments from most parts of the carcass are present. Patterns in the larger samples, such as high frequencies of cattle mandible, scapulae and humeri fragments (Table 6) may merely be taphonomic products rather than that of behaviour or butchery. The abundance of loose teeth is certainly a reflection of fragmentation and the numerous mandibles, which are generally the most frequent element in each phase/group may be a result of a sensible reluctance on the part of scavenging dogs to chew on something with teeth as hard as their own. Fragments of vertebrae are very under-represented, but whether this is a behavioural factor or the destruction of these bones by dogs cannot be assessed.

The sheep bones show perhaps a more pronounced taphonomic pattern (Table 7). The robust mandibles, proximal radii, distal humeri, distal tibia and distal femoral shaft occur with the most frequency. These are all easily recognised fragments and the shaft parts of these can be recognised when the epiphysis or condyle has been chewed off. It is probable therefore that the relative frequency or paucity of fragments of different elements is more a factor of fragmentation and scavenging than behaviour or discard patterns.



**Table 6:** The number of Cattle and Cattle size bone fragments and loose teeth

	EIA	E-MIA	M-LIA	Rom	Sax	RH	Encl	Holl
horn core				1	3		2	
skull	3	1	4	8	49	2	17	1
maxilla		1	1		6	1	5	3
dec. upper			2	2		3	2	1
upper premolar			2		3		3	3
upper molar	1		4	6	10	1	7	
dec. lower pm4					1		1	
mandible	3	1	8	21	41	4	31	5
lower incisor		1	1	2	10	1	2	1
lower pm			1	2	1		1	1
lower molar	1		3	3	14		6	2
tooth	1				3	2	1	6
hyoid					1			
atlas				1			3	1
axis					1			
cervical		1		5	10	1	4	
thoracic	4			6	5		2	3
lumbar	1			2	5	1	4	
sacrum	2	1						
caudal					1			
vertebra			1		4		1	
rib	15	6	11	58	83	7	45	10
costal cartilage		1		1		1		
scapula	1		6	20	13		16	2
humerus	8	2	8	4	16	3	10	1
radius	1		5	6	8		11	3
ulna		1	2	2	5		8	3
carpus		1		1	1		2	
metacarpus	1		1	9	4	2	18	2
innominate		1	1	7	7	1	4	
femur	1	2		9	22	3	7	2
patella								
tibia	1		3	6	9	1	13	1
astragalus			1	1	4		4	1
calcaneum	1			2	3		1	2
centroquartal				1		1	1	
metatarsus		1	2	8	6	1	20	1
metapodial				2		1	3	
phalanx 1			1	4	6	1	6	1
phalanx 2				1	1	1	5	
phalanx 3					3	2	1	1
long bone frag.	12	1	16	63	104	16	81	23
unidentified	5	3	17	40	51	10	41	10
MNE	3	1	4	5	8	2	6	2



Table 7: The number of Sheep and Sheep size bone fragments and teeth

	EIA	E-MIA	M-LIA	Rom	Sax	RH	Encl	Holl
horn core					1			
skull	1	4	5	2	4	3	4	1
maxilla	2		3		1	2		
dec. upper	1		1		1	2		
upper premolar			1		1			1
upper molar	1	4	8	11	21	9	14	1
dec. lower pm4	1				2	1		
mandible	12	3	10	9	11	5	13	6
lower incisor	3	1		2	2	1		
lower pm	1		1			1		
lower molar	4	2	5	7	11	3	6	
tooth					1			1
hyoid		1	1					
atlas					2		1	
axis			1				1	
cervical		2			5		2	
thoracic	1			1	5	2	1	1
lumbar			2		2	1	1	
sacrum								
caudal						1		
vertebra					3			
rib	32	19	29	24	58	14	34	5
costal cartilage								
scapula		1	2	6	6	3	7	
humerus	4	2	5	7	7	3	10	4
radius	9	2	9	9	16	3	14	1
ulna		1	2	2	4	3	1	
carpus				1				
metacarpus	13		3	3	9	6	15	3
innominate	4	1	1	2	4	1	3	
femur	4	2	7	9	12	2	18	2
patella								
tibia	12	5	14	7	20	8	25	4
astragalus		2	1			1	2	
calcaneum	1		1		2	3	1	
centroquartal								
metatarsus	14	2	10	9	13	3	22	3
metapodial				1			2	1
phalanx 1		2	1		3		2	
phalanx 2						1		
phalanx 3	1							
long bone frag.	40	19	55	67	133	51	68	16
unidentified	8	1	5	5	9	4	3	
MNE	5	2	6	5	7	2	9	4

Figure 2: Ratio of Sheep to Cattle zones

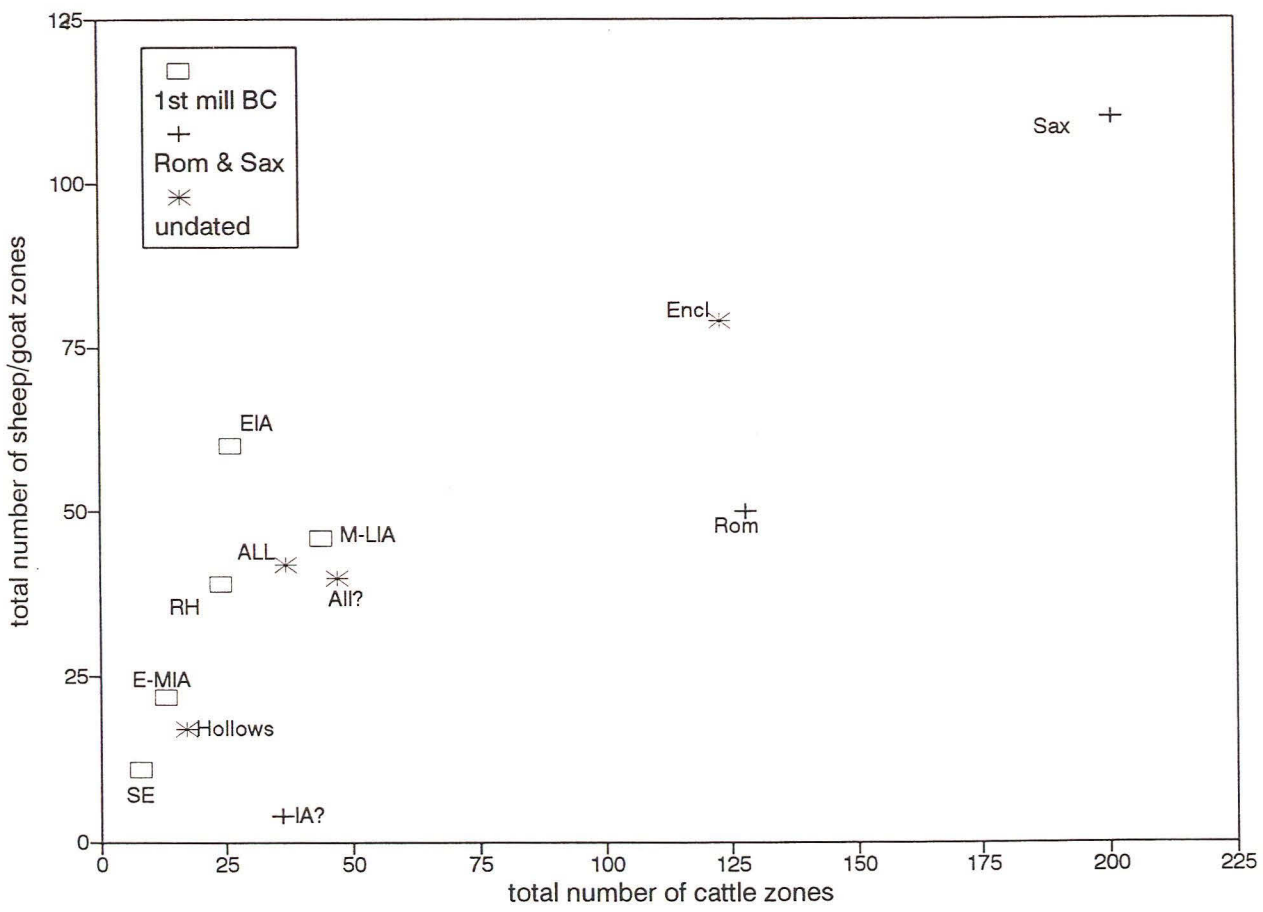
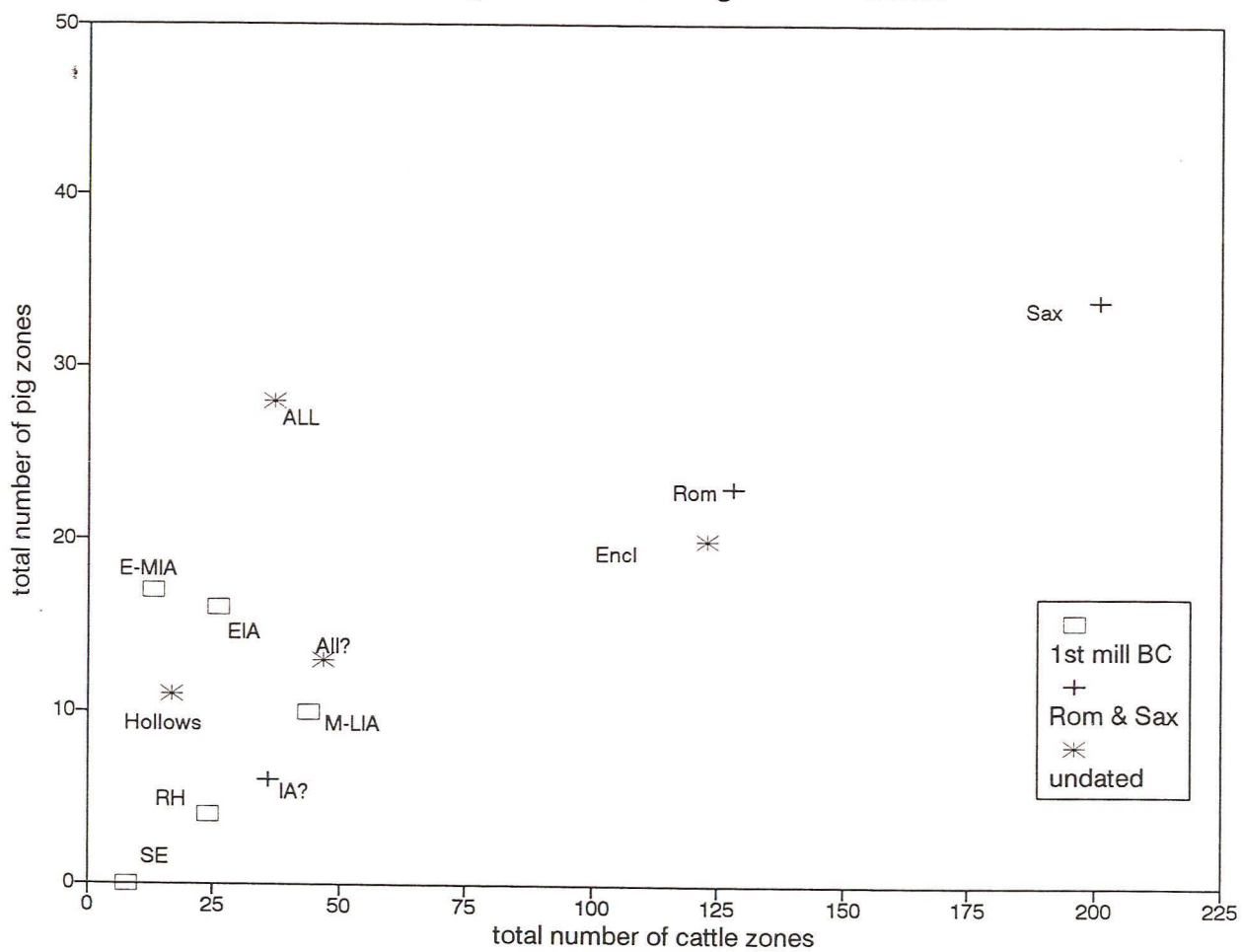




Figure 3: Ratio of Pig to Cattle zones



The pig sample is too small to consider but the most frequent elements are the mandible, scapula and tibia.

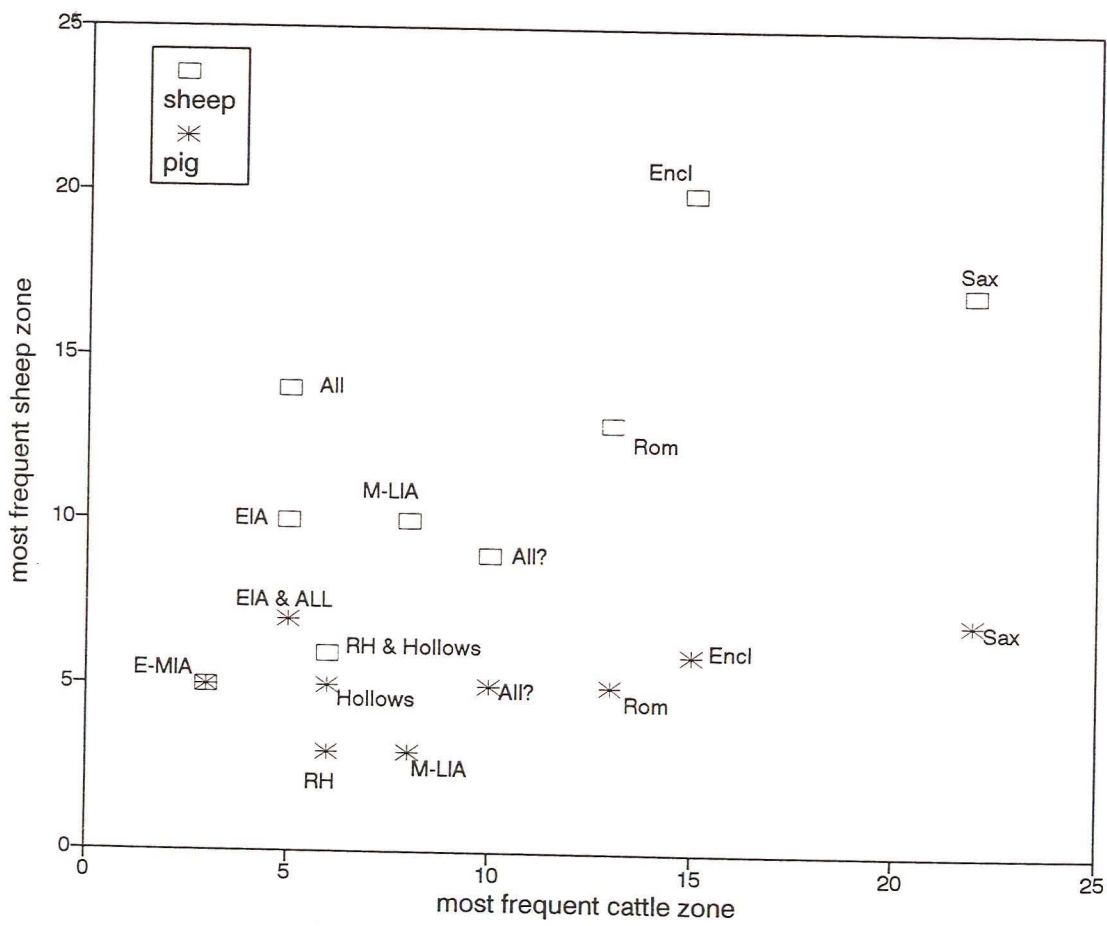
In considering the relative abundance of the major domestic species and their contribution to the economy or diet of the site we need to take into account the fragmentation analyses carried out above.

We can best consider the relative frequency by comparing the frequency of zones rather than fragments and the most frequent zones of particular elements. In Figure 2 the total number of cattle zones are plotted against the total number of sheep zones for each period/group. The line on this figure indicates a one to one ratio and it can be seen that all the Iron Age phases and the Round House floor, also Iron Age, have a greater frequency of sheep zones than cattle. In contrast the Roman and Saxon deposits, and the 3D recorded bones in the enclosure area show a ratio of over 1.5 cattle zones to one sheep zone. This would appear to reflect a real difference between the first millennium BC assemblages and those of Roman and Saxon date. The groups classified as All, All?, Hollows and SE corner all show a tendency towards the prehistoric pattern, although the nature of these contexts is that they probably include mixed assemblages of both 1<sup>st</sup> millennium BC and 1<sup>st</sup> millennium AD material. Their tendency towards the Iron Age pattern suggests that prehistoric material may predominate in the samples and a clear dominance of Iron Age pottery in all these deposits would tend to confirm this interpretation. Comparison of the pig zone data with that of cattle (Figure 3) shows a much higher ratio of pigs in the Iron Age by comparison with the Roman and Saxon deposits, although cattle zones outnumber those of pig in all layers except the Early-Middle Iron Age group. Interestingly an increase in pigs was observed in the Iron Age at Rectory Farm, West Deeping (Rackham and Izard, in press), although at this site it was dated later at middle to late Iron Age. A relatively low fragmentation index (Table 3) with a high average fragment weight does however suggest that the pigs in the Early-Middle Iron Age group have been protected from destructive influences and their abundance may merely be an artefact of rapid burial. Apart from this there is little in the fragmentation data or percentage of gnawed bones to suggest that these major differences can be attributed to taphonomic factors but as a further test the most frequent zones of each species are plotted. In Figure 4 the sum of the three most frequent zones from different elements of sheep and pig are plotted against those of cattle. These samples sizes are smaller and less reliable than the total zone data but by using these the possible biases due to recovery, such as the failure to pick up foot bones of sheep and pigs in the hand collected sample (see sample material below), are removed. The data still show the tendency of higher sheep relative to cattle in the first millennium BC, higher pig in the early and early-middle Iron Age, and the dominance of cattle in the Roman and Saxon deposits.

Since the Roman deposits at Fox Covert Farm are dated to the third and fourth century the data suggests that by this time a change in the importance of the different stock in the pastoral husbandry has taken place and the new pattern remained into the Saxon period.



Figure 4: Ratio of the 3 most frequent zones of sheep and pig to cattle



While these analyses refer to the relative numbers of different stock slaughtered at the site it does not necessarily reflect the actual economic value, either in terms of food or secondary products. The relative food value of each taxa is probably most accurately expressed by the weight of the bone (Table 8) although processing and burial conditions may have impacted on this. In this table the changing pattern between the 1<sup>st</sup> millennium BC and the Roman period is illustrated by a rise in the proportion of cattle to over 80% by weight of cattle+sheep+pig. This is 15-20% greater than in the earlier period. The early-middle Iron Age pattern of higher pigs is reflected by a greater weight of pig than sheep in this assemblage although this may still be an artefact of disposal. Clearly these data indicate that despite a greater number of sheep cattle predominate in terms of their meat contribution and dietary importance, and that this dominance increases in the Roman and Saxon periods. The 3D recorded bone from the Enclosure group continues to mirror the Roman and Saxon assemblages, although a higher proportion of sheep, and slightly lower proportion of cattle, accords with an inference that Iron Age material is also present in this group.

**Table 8:** Percentage contribution by weight of cattle, sheep and pig bones

	Cattle	sheep	pig
EIA	67.5	25.7	6.8
E-MIA	54.9	20.9	24.2
M-LIA	73.9	19.6	6.5
Round House	63.8	27.3	8.9
Hollows	65.7	23.3	11
All	56.4	26	17.6
All?	73.7	20.2	6.1
Enclosure	80.4	15.1	4.5
Roman	88.1	8	3.9
Saxon	88.1	9.1	2.8

In order to assess the economic role of these animals it is necessary to consider their age structure. Unfortunately the number of ageable mandibles and maxillae in each of the archaeological periods is sometimes small and interpretation is therefore limited.

Very few ageable cattle mandibles were recovered from 1<sup>st</sup> millennium BC deposits (Table 9) and these indicate the presence of sub-adult and adult animals. The epiphyseal data for this period shows no bones other than vertebral epiphyses (which fuse when sub-adult or adult) are unfused except for an unfused acetabulum which indicates the presence of a calf. Four other bone fragments from deposits assigned to the Iron Age were described during cataloguing as deriving from small calves indicating that some young animals were slaughtered. The majority of the material from the buried soil and the 3D recorded bone is also of sub-adult and adult age groups, although a neonate metacarpus occurred in the buried soil (ALL), an immature jaw was recovered from the Round House, and two calcanea and a phalanx from the Hollows testify to the presence of animals under two years of age and four other bones indicate the presence of juvenile and immature animals (Table 10). Jaws of juvenile and immature cattle occur with greater frequency in the Roman, Enclosure and Saxon assemblages (Table 9) perhaps



**Table 9:** Dental data for cattle, sheep and pig from each period or group recorded after the method of O'Connor (1991)**Cattle Dentitions**

Period	Neonate	juv	Imm.	s-a1	s-a2	a1	a2	a3	e
EIA-MIA					1	1		3	
IA				2					
RH			1	1					
Hollows				1				2	
All				1				1	
All?				2			2	1	1
Encl			1	2				3	1
Rom		1	1	1				1	2
Sax		1	4	3	1			5	

Neonate-neonatal; juv- juvenile; Imm.- immature; s-a1 – sub-adult 1; s-a2 – sub-adult 2; a1 – adult 1; a2 – adult 2; a3- adult 3; e – elderly.

**Sheep Dentitions**

Period	Neonate	juv	Imm.	s-a1	s-a2	a1	a2	a3	e
EIA-MIA				3		2		1	
E-MIA						1		3	
M-LIA			4			3			
IA			1			1			
RH			2	3		1	3	2	
Hollows			2	1				1	
All			3	2			1	4	
All?				2		4	1	1	
SE								2	
Encl			1	2			1	3	
Rom			1	2	2	2		1	
Sax			4	2		1		5	

Key as above

**Pig Dentitions**

Period	Neonate	juv	Imm.1	Imm.2	s-a1	s-a2	a1	a2	a3
EIA-MIA			2				1		
E-MIA					1	1			
M-LIA						1			
RH					1				
All					2		2		
All?				1			2		
Encl							1		
Rom					1			1	
Sax					2				

Key as above with Imm.1 – immature 1; Imm.2 – immature 2.

suggesting a tendency to slaughter younger stock in the 1<sup>st</sup> millennium AD, but the larger sample size may have had some influence on the recovery of jaws of these younger beasts. A number of the post-cranial bones from the Roman and Saxon deposits have unfused epiphyses (Table 10) and these reflect a slightly higher proportion of the data than in the other groups supporting the inference that animals are being slaughtered a little younger. Three bone fragments from Roman deposits were recorded as calves, also three from the Saxon deposits and one bone from the Saxon deposits is classified as neonatal. The Enclosure assemblage produced seven cattle bones classified as calves on the basis of size and condition/porosity. The only elderly animals were recovered from Roman, Enclosure and buried soil deposits (Table 4).

The sheep dental data although a larger sample than that of cattle shows little evidence for changes in sheep husbandry through the history of the site. The two earliest Iron Age periods have an absence of immature and younger sheep, but on this sample size this is inconclusive. Most periods indicate slaughter of immature, sub-adult and adult sheep, although no elderly animals were recorded. This pattern may reflect seasonal or annual culling with the immature and sub-adult animals being killed in the calendar year after birth, with the adult 1 category perhaps indicating animals a year older and the adult 3 group being animals in excess of 4 years, ages suggested by comparison with the data of Clutton-Brock *et al* (1990) for Soay sheep. No elderly animals were recorded. The older age group represented by their dentition is under-represented in the epiphyseal fusion data which shows very few of the later fusing epiphyses fused in any of the assemblages (Table 11) and there are no indications of a change in husbandry in these data. Lamb bones are recorded from the buried soil, Iron Age, Round House, Hollow and Saxon deposits, while neonates were noted in the Enclosure and buried soil.

**Table 10:** Epiphyseal fusion data for cattle and cattle size bones. The epiphyses are arranged in the approximate order in which they fuse in life

Fusion state	Others			Rom. &		Encl	Sax.		F
	U	J	F	U	J	F	U	J	
Acetabular sym	1		3			2			2
Scapula tub						2			1
Dist. humerus			4			1		1	1
Prox. radius			6			1			2
Prox. 2 <sup>nd</sup> phalanx			1			3			2
Prox. 1 <sup>st</sup> phalanx	1		4	1		3	1		2
Dist. Tibia	1		5			2	1		2
Dist. metacarpus						1			1
Dist. metatarsus			1	1		1			1
Prox. calcaneum	2								1
Prox. femur		1	2	1	2		2		1
Dist. radius	2		1						2
Prox. humerus			4	1			1		
Prox. tibia			1						
Dist. femur		1	1						1
Prox/Dist. ulna				1					
Ant. vertebrae	3		3	5		2	8		2
Post. vertebrae	6		3	4	1		8		3

U – unfused; J – just fused; F – fused



The pig data are very limited, although the dentitions indicate that immature and sub-adults predominate, with a few jaws of young adults occurring in some assemblages (Table 9). Piglets are recorded from Iron Age and Saxon deposits, while a single neonate tibia was found in a Saxon layer.

Table 11: : Epiphyseal fusion data for sheep and sheep size bones. The epiphyses are arranged in the approximate order in which the fuse in life

Fusion state	Others			Rom & Encl			Sax		
	U	J	F	U	J	F	U	J	F
Dist. humerus	1		9	1		1		1	2
Prox. radius			7			2			2
Scapula tub			1						
Acetabular sym			3						1
Prox. 2nd phal			1			1			
Prox. 1st phal	2		1				1		1
Dist. Tibia			4	1		2	1		2
Dist. Metacarpus	1								
Dist. Metatarsus			2				1		
Prox. femur	1		1			1			1
Prox. calcaneum	2		3			2			1
Dist. femur	2		1				1		
Prox. tibia									
Dist. Radius	1		1						
Prox. humerus									
Prox/Dist. ulna									
Ant. vertebrae	3	1		1			5		
Post. vertebrae	3			1			4		

### *Other Mammals*

A number of other species were identified from the hand collected bone. Two bones were classified as potentially Aurochsen on the basis of their size but their occurrence in deposits of IA? And Saxon date suggests that these are more likely to be very large domestic animals possibly of Roman date, although a scattering of Late Neolithic and Bronze Age pottery across the site indicates that residual bones of aurochsen could be present.

Human bones were recorded in deposits of Roman and Saxon date with a few fragments elsewhere on the site. These appear to be disturbed from burials, but are heavily fragmented and include primarily fragments of skull and foot with a few fragments of limb bone and eroded fragments not identified to element. Although most of this material appears to be adult a femoral shaft and a humerus of very young individuals (baby?) and a juvenile are present.

Horse bones occur in small numbers throughout the deposits (Table 1) with the largest group coming from the Roman deposits and the Enclosure group, the latter probably also of Roman date. The Roman and Saxon material is relatively less damaged than the bones from the other periods and shows a much lower level of fragmentation than cattle (fragmentation indices for horse - Roman = 1.8; Saxon = 1.7; others = 0.85). The intact



character of many of these bones suggests that horses were not eaten at the site, although frequent evidence for gnawing on the bones (15% of the sample) indicates that they were either fed to the dogs or disposed of in a manner that permitted scavenging.

A few bones of dog were present from the middle-late Iron Age onwards, although earlier evidence for dogs at the site is indicated by gnawed bones. One middle-late Iron Age context, 904, included a few bones from the same skeleton – a skull, vertebrae and rib fragments. Considering the level of damage dogs have caused to the bone assemblage their frequency within the assemblage is low.

Two pieces of red deer antler were recovered from Saxon deposits, although no post-cranial bones were recognised. One of these fragments was possibly part of a bone handle, but the second fragment, part of the beam cortex was unworked and presumably indicates some small scale working of antler at the site.

Single bones of cat, goat and badger were identified, the former two in Saxon deposits and the latter in the enclosure group. The badger humerus carries a cut mark across the side of the distal end which might result from dismemberment of the carcass at the elbow joint, perhaps during skinning. The goat was identified from the basal half of a horn core, and although other bones where goat can be readily distinguished from sheep were studied with care no other goat bones were identified.

A small collection of small mammal bones were recovered from a Roman posthole and a Saxon grave which included mole, water vole and field vole.

### ***Birds***

Bird bones make virtually no contribution to the sample until the Roman period, when both chicken and goose bones appear. Only in the Saxon period do they make much contribution, when goose bones occur with some frequency. A few fragments of wild bird were recorded including a dove bone from IA? Context, 071.

### ***Biometrical Data***

The biometrical data collected from the bone fragments is fairly limited owing to the high level of fragmentation. The lack of complete bones prevents any consideration of the size or height at the shoulder of any of these animals, but examples of the more frequently occurring measures have been plotted with measured bone from the nearby site at Rectory Farm (WED –Rackham and Izard, in press).

The cattle astragali when plotted (Figure 5) show a broad range of sizes. The smallest Iron Age example from Fox Covert Farm is probably a juvenile animal but all the other examples lie within the range of the Roman and prehistoric examples from Rectory Farm. The three Saxon astragali while being larger than the other bones from Fox Covert Farm are no bigger than the late Roman examples from the site less than one mile to the north west. In Figure 6 the distal breadth of cattle tibiae are plotted as a histogram. The Bypass examples tend to be in the lower half of the range from Rectory Farm, with the Saxon examples being a little larger than the earlier periods, although well within the range of



Figure 5: Scatter plot of two measures on cattle astragali from WED and DBF

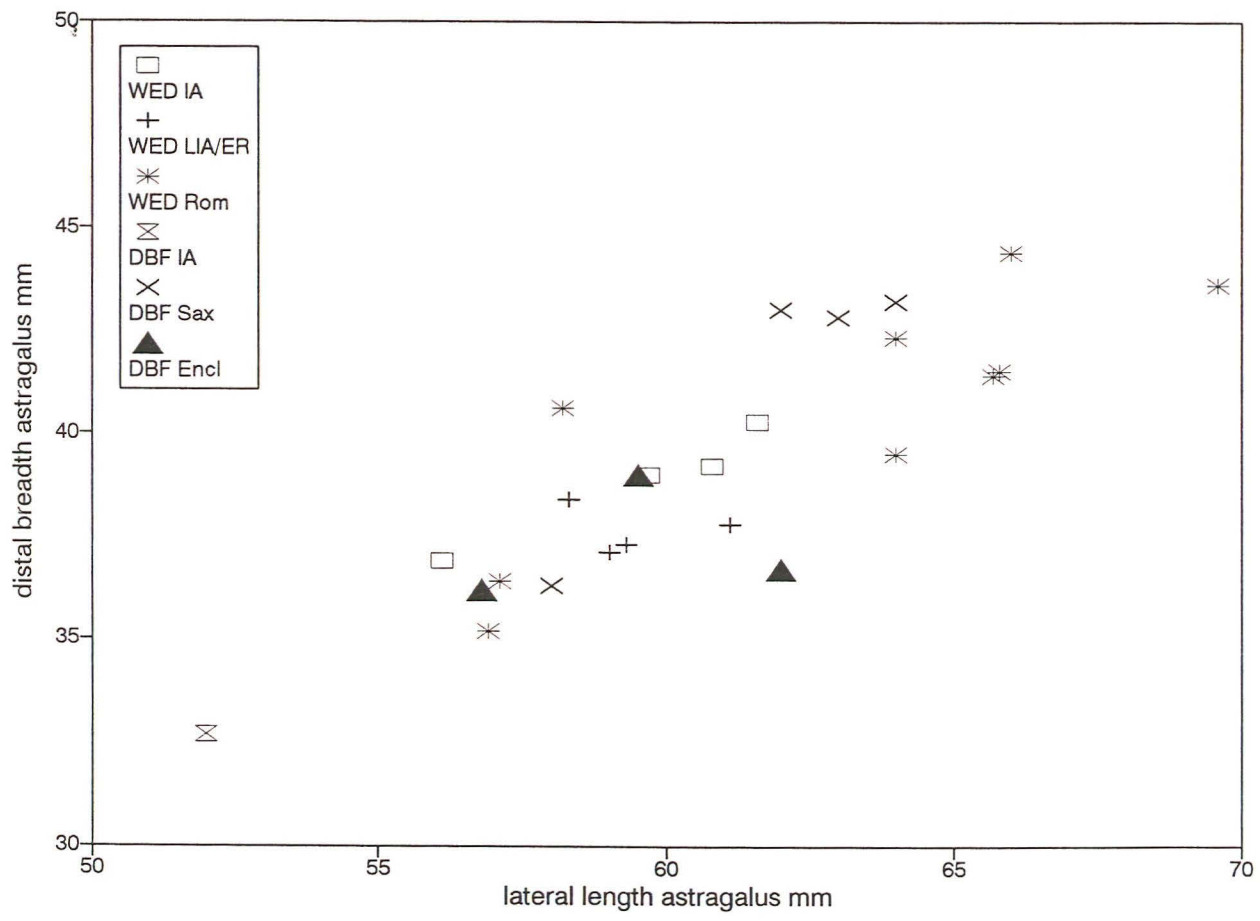


Figure 6: Histogram of the distal bread of Cattle tibiae from WED and DBF

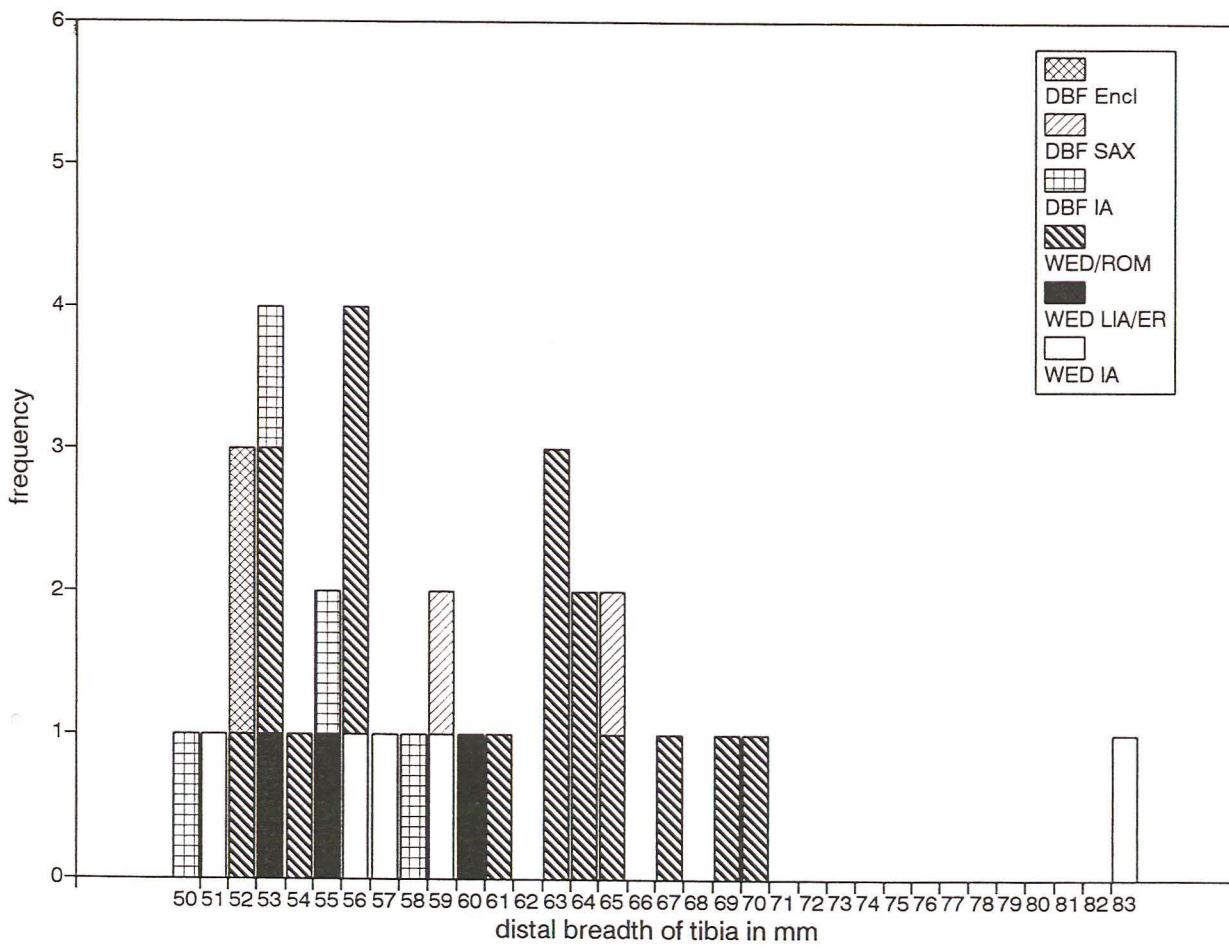
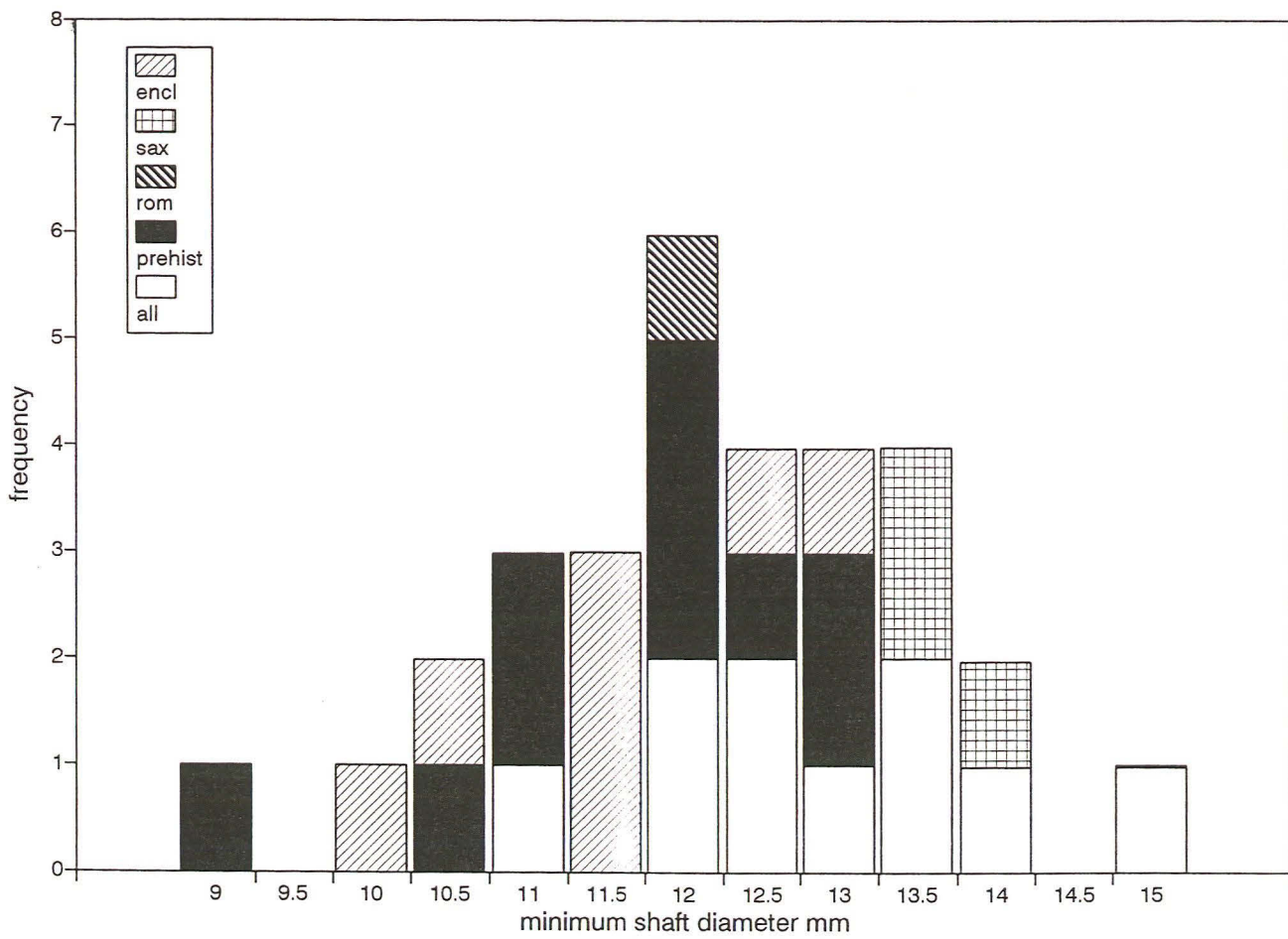




Figure 7: Histogram of minimum shaft diameter of sheep tibiae



Roman cattle from Rectory Farm. We can learn very little from these data except that there is some indication that the cattle increase in size during the history of occupation at the site, although it cannot be ruled out that these slight changes in range may reflect differences in the sex ratio rather than the stock type, or even a propensity for the larger more robust bones to have survived to be measured.

Only the tibiae of sheep occurred with sufficient frequency to consider analysis, but even with these no account has been taken of possible differences in age between the animals from which the bones derive. The minimum shaft diameter of all tibiae, presumed to be adult but not necessarily with fused epiphyses present, are plotted on Figure 7. The pattern suggests that tibiae from the buried soil and the Saxon hollow include the largest sheep with the prehistoric contexts and the enclosure spread the smaller end of the range. The age of these bones cannot be positively determined but the age analysis has already suggested little difference between the age structure of the sheep population in the different phases. This pattern therefore probably reflects an increase in size of the sheep throughout the history of the site and may indicate that the bone samples from the buried soil include a Roman and Saxon component as well as the prehistoric material inferred from the species proportions.

#### *Pathologies*

Bone with pathologies were rare. One cattle femur from the buried soil had an eburnated caput indicating osteoarthritis of the hip joint; a Saxon sheep mandible and a second from the enclosure group, and a Roman pig mandible carried abscesses under the anterior molar teeth; and two bones exhibited surface bone growth, the shaft of a Roman horse metacarpus and the proximal part of a pig calcaneum.

#### *Animal Bone from the samples*

The animal bone was sorted from the residues of two hundred and nine samples taken from deposits during the excavation. The samples varied in size but the whole of the >3mm residue of each was sorted for bone fragments and a 200 g sub-sample of the <3mm residue. Except for the bones from the roundhouse 'floor', which were three dimensionally recorded and removed from the deposits, all the soil samples were whole earth samples with no animal bone removed. The total weight of bone recovered from the samples was 3184 grammes. The bulk of this material was composed of small fragments of bone and teeth, much of it unidentifiable, with very few larger fragments over 20mm. Of the two hundred and forty six samples taken 210 produced some animal bone, and sixty six of these contained no identifiable material. The finds from all the samples were scanned and a record made of the weight of sorted bone, the presence of burnt bone, and a record of each species or category identified. No record of the bone elements present was recorded although it can be noted that the bulk of the identifiable material (of the mammals) were teeth and, in the case of domestic species, foot bones. This was particularly evident for sheep and pig. It was observed that a high proportion of both the teeth and phalanges of sheep and pig derived from juvenile or immature animals, but no record or quantification of this was made during recording.



The frequency of occurrence of each identified taxa is tabulated in Table 12 by period or group. The period with the largest number of samples, IA?, are a group of samples from the floor of the Round House, contexts 1120 (41 samples) and 1263 (21 samples) of which were sampled on one metre squares (see Figure 00). The only other multiple sampled context was 703, a tertiary fill of a Saxon? Ditch. Sheep bones and teeth occurred with a greater frequency than any other taxa in the samples from all periods, with this dominance being most pronounced on the 'floor' of the roundhouse (IA?). Bones and teeth of pig were consistently more numerous than cattle in all periods. These data contrast considerably with the pattern obtained from the hand excavated bones and the significance of these results is discussed below.

**Table 12:** Frequency of samples with each taxa

	Nat	LN-EBA	EIA	E-MIA	MIA	M-LIA	IA	IA?	ROM	SAX	Med	All
N=	1	2	23	24	4	7	12	65	19	41	1	10
Weight of sorted bone in g	4	0	654	188	79	200	101	328	388	927	1	314
Burnt bone			10	10	2	6	4	28	12	22		7
Human							1		3	4*		1
Cattle			5	3	1	2	1	6	3	10		3
Sheep			10	10	3	6	2	21	10	23		6
Pig			7	6	3	2	2	7	5	16		7
Dog						1	1		1	1		
Cat										1		
Polecat?												1
Brown Hare												1
Rabbit?						1						
Mole										1		
House mouse			1	2			1	1	1	3		2
Mouse			1					3		4		1
Water vole				1				1	1	6		4
Field vole				1				3	1	4		
Vole			2					3	2	4		1
Rodent			3	5		4	2	7	7	10		1
Bird			1			1	2	1	1	6		2
Chicken size										1		
Common shrew									2	1		
<i>cf</i> Grass Snake			1	2					1	1		
<i>cf</i> Smooth Newt										1		
Frog				2	2		1	2	7	11		
Common frog						1			3	4		
Common toad				1	1		1		1	2		
Frog/toad			3	1	2	1	4	2	7	16		2
Eel			1				1			2		
Fish			1							2		1

Other probable dietary elements in this fauna include hare, some wild birds, eel and one other fish taxa, probably trout. These species are not only rare in the samples but generally completely absent from the hand collected material. The fact that only ten fish bones were identified among the many hundred bone fragments from well over two



tonnes of soil from the site is convincing testament to the fact that freshwater fish, available in the River Welland barely 300 metres from the site, made very little contribution to the diet at any time. Equally hares and wild birds, of which wildfowl and waders are likely to have been locally in abundance seasonally, were rarely hunted or trapped.

The small vertebrate species give some clue to the local environment. Frogs and toads are present throughout the periods and the occurrence of these, the grass snake and newt, are to be expected in the low lying area of the Welland valley. The small mammal fauna is perhaps more interesting for what does not appear. Field vole which occurs at its greatest densities in grassland is found in a number of samples. The water vole is today associated with water, although it is a frequent find on archaeological sites and before the introduction of the brown rat may even have taken advantage of the food available around rural farmsteads and burrowed in pasture land, as it still does in parts of Lincolnshire (Corbet and Southern 1977), rather than its more usual habitat of river and pond banks. The only mouse identified to species is the house mouse, a species commensal with man, and usually only found in close association with his habitations. The occurrence of this species in Early Iron Age contexts at this site cannot be relied upon since the animals could have intruded into earlier deposits on the site.

The occurrence of water and field voles, grass snakes and amphibians, but no identified finds of bank vole or wood mouse, both species associated with hedgerows, scrub or woodland habitats, suggests that the area surrounding the site throughout its history was probably open country, with pasture and arable land dissected by dykes or ditches, but little woodland or scrub. The polecat would have been quite at home hunting in this type of environment and is often found around farm buildings on the edges of present day settlements.

### *Discussion and Conclusions*

Three major factors severely limit the interpretation of the animal bone from Fox Covert Farm. Despite a fairly large sample of animal bones a large proportion of this material derives from deposits with doubtful or no adequate dating. This is typical of buried soils and the lower ploughsoil layers where although the animal bone may have occupied dateable features its relationship to these underlying features can no longer be ascertained and subsequent disturbances may have mixed stratigraphically distinct layers. While the analyses have suggested the possible age of the majority of the bones in these groups they, as has been suggested above, must be mixtures of material and therefore may obscure differences between the periods.

Secondly by the time the assemblages have been broken down into the archaeological phases and groups recognised at the site the individual samples have become quite small and do not permit too detailed an analysis. Finally the fragmentation analysis has highlighted differences between the pattern of recovery and survival of species and the level of fragmentation and other taphonomic factors between the assemblages from different periods and groups. These factors make the confident interpretation of animal husbandry and economic importance of the different animals in each period very



problematic, not to say impossible. This is perhaps best illustrated by comparing the frequency of the major farm animals in the soil samples and the excavated bone samples. The consistently higher occurrence of sheep in the samples of all periods, even the Roman and Saxon assemblages, in comparison with the excavated bone suggests that the data from the latter may be seriously underestimating the abundance of sheep and also pigs. This is certainly compounded by or even largely due to the fragmentation, scavenging and post-depositional erosion and damage that has occurred to the bone assemblage. While it may therefore not be possible to estimate with any confidence the relative importance of the different species at the site, this will not so dramatically nullify the evidence that there is a change in the husbandry during the history of the site, since the assemblages from all periods are generally similarly effected by taphonomic problems.

The primary conclusion of the analysis of these farmsteads that there is a change in the importance of the domestic farm animals between the 1<sup>st</sup> millennium BC and the Roman and Saxon samples is still therefore valid, even though the relative proportions of the species in each period are in doubt. Furthermore the rather hesitant assignment of the undated assemblages to the Iron Age or Roman and Saxon groups is probably also a reasonable inference. The possible increase in pigs in the Early-Middle Iron Age is much less secure. If we accept that there is evidence that the sheep and pigs are under-represented in the hand collected samples, through fragmentation, scavenging and recovery, then sheep may well have been more important, or at least as important, than cattle in the Iron Age pastoral economy. The data might therefore suggest that the bone assemblage contains the remains of at least twice as many sheep as cattle during this period. Even in the Roman and Saxon periods there are indications (Fig. 4) that sheep were slaughtered at least as often as cattle, despite their bone fragments being significantly less abundant. It is quite possible, even probable, that sheep outnumbered cattle in the cull during the Roman and Saxon occupations of the site. This change, at whatever level, to more cattle may be coincident with a change from subsistence husbandry to a stock management that requires a surplus of animals for a market or sale. It may also be accompanied by an increase in the slaughter of younger cattle, a pattern normally assumed to indicate beef production. There is no discernible change in the slaughter pattern of the sheep which appears to reflect a husbandry that probably generated milk, meat, wool and skins. The relatively large proportion of animals that are slaughtered when immature or sub-adult, a proportion that the evidence from the soil samples suggests might be an underestimate, is completely at odds with the pattern typically associated with wool production, an age profile dominated by adults and elderly animals, and a high proportion of wethers. Unfortunately no assessment can be made of the sex ratio of the animals in the bone sample which limits further consideration of their economic role. Pigs whose main economic role, due to their fecundity, is a fast turn around of meat were slaughtered mainly as sub-adults and young adults.

There is therefore some evidence that a generalised subsistence economy may have changed to one more concerned with the export of some stock, although this is only recognisable for the cattle. The cattle slaughter is fairly well defined with beef animals being removed from the herd as immature or sub-adult animals, and the next significant



cull not taking place for some years until the animals are fully adult or even elderly. These must represent stock no longer suitable for breeding, draught or milk production. The sheep cull is more consistent with an annual slaughter of animals in their second and third years, with a later cull of breeding, wool and milch animals.

These farmers appear to have been very conservative. There is very little diversification. Although chicken are introduced in the Roman period their occurrence in the deposits is rare. Geese which also first appear in the Roman period only become important on the Saxon site. There is no evidence to speak of hunting and game animals, and despite the proximity of the River Welland and its plentiful supply of fish and likely presence of wildfowl and other birds these make almost no contribution to the economy of the site. The half a dozen bones of eel, and possibly trout, in the soil samples certainly indicate that these were eaten, but they must have been insignificant economically.

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27<sup>th</sup> April 2000



Market Deeping Bypass

DBF97

Archive Catalogue of Hand Excavated  
Animal Bone

## Key to codes used in the cataloguing of animal bones

SPECIES		BONE		SIDE	FUSION
BOS	cattle	SKL	skull	W - whole	Records the fused/unfused condition of the epiphyses
CSZ	cattle size	TEMP	temporal	L - left side	P - proximal; D - distal; E - acetabulum;
SUS	pig	FRNT	frontal	R - right side	N - unfused; F - fused; C - cranial; A - posterior
OVCA	sheep or goat	PET	petrous	F - fragment	
OWI	sheep	PAR	parietal	<b>TOOTH WEAR</b> - Codes are those used in Grant, A. 1982 The use of tooth wear as a guide to the age of domestic animals, in B.Wilson, C.Grigson and S.Payne (eds) <i>Ageing and sexing animal bones from Archaeological sites</i> , 91-108.	
SSZ	sheep size	OCIP	occipital	Teeth are labelled as follows in the tooth wear column:	
EQU	horse	ZYG	zygomatic	h 1dpm4/dupm4	f 1dpm2/dupm2
CER	red deer	MAN	mandible	H 1pm4/upm4	g 1dpm3/dupm3
CAN	dog	MAX	maxilla	I 1m1/um1	
HAN	human	ATL	atlas	J 1m2/um2	
UNI	unknown	AXI	axis	K 1m3/um3	
CHIK	chicken	CEV	cervical vertebra		
GOOS	goose, dom	TRV	thoracic vertebra		
LFP	hare	LMV	lumbar vertebra		
UNB	indet bird	SAC	sacrum		
MALL	duck, dom.	CDV	caudal vertebra	<b>ZONES</b> - zones record the part of the bone present.	
GULL	gull sp.	SCP	scapula	The key to each zone on each bone is on page 2	
FISH	fish	HUM	humerus		
UNIB	bird indet	RAD	radius		
UNIF	fish indet	MTC	metacarpus	<b>MEASUREMENTS</b> - Any measurements are those listed in A.Von den Driesch (1976) <i>A Guide to the Measurement of Animal Bones from Archaeological Sites</i> , Peabody Museum Bulletin 1, Peabody Museum, Harvard, USA	
GSZE	goose size	MC1-4	metacarpus 1-4		
BEAV	beaver	INN	innominate		
CORV	crow or rook	ILM	ilium		
FOLE	polecat/ferret	PUB	pubis		
PART	partridge	ISH	ischium	<b>PRESERVATION</b>	
ORC	rabbit	FEM	femur	1 - enamel only surviving	
ROD	rodent	TIB	tibia	2 - bone very severely pitted and thinned, tending to break up teeth with surface erosion and loss of cementum and dentine	
JACK	jackdaw	AST	astragalus	3 - surface pitting and erosion of bone, some loss of cementum and dentine on teeth	
OWL	owl indet.	CAL	calcaneum	4 - surface of bone intact, loss of organic component, material chalky, calcined or burnt	
AUR	aurochs	MTT	metatarsus	5 - bone in good condition, probably with some organic component	
DUCK	duck sp.	MT1-4	metatarsus 1-4		
GRA	goat	PH1	1st phalanx		
HEK	fetal dove	PH2	2nd phalanx		
		PH3	3rd phalanx		
		LM1-LM3	Lower molar 1 - molar 3		
		UM1-UM3	upper molar 1 - molar 3		
		LPM1-LPM4	lower premolar 1-4		
		UPM1-UPM4	upper premolar 1-4		
		DLPM1-4	deciduous lower premolar 1-4		
		DUPM1-4	deciduous upper premolar 1-4		
		MNT	mandibular tooth		
		MXT	maxillary tooth		
		LBF	long bone		
		UNI	unidentified		
		STN	sternum		
		INC	incisor		
		TTH	indet. tooth		
		CMP	carpo-metacarpus		
		SKEL	skeleton		



## ZONES - codes used to define zones on each bone

SKULL -	<ol style="list-style-type: none"> <li>1. paraoccipital process</li> <li>2. occipital condyle</li> <li>3. intercornual protuberance</li> <li>4. external acoustic meatus</li> <li>5. frontal sinus</li> <li>6. ectorbitale</li> <li>7. entorbitale</li> <li>8. temporal articular facet</li> <li>9. facial tuber</li> <li>0. infraorbital foramen</li> </ol>	METACARPUS -	<ol style="list-style-type: none"> <li>1. medial facet of proximal articulation, MC3</li> <li>2. lateral facet of proximal articulation, MC4</li> <li>3. medial distal condyle, MC3</li> <li>4. lateral distal condyle, MC4</li> <li>5. anterior distal groove and foramen</li> <li>6. medial or lateral distal condyle</li> </ol>
MANDIBLE	<ol style="list-style-type: none"> <li>1. Symphyseal surface</li> <li>2. diastema</li> <li>3. lateral diastemal foramen</li> <li>4. coronoid process</li> <li>5. condylar process</li> <li>6. angle</li> <li>7. anterior dorsal ascending ramus posterior M3</li> <li>8. mandibular foramen</li> </ol>	FIRST PHALANX	<ol style="list-style-type: none"> <li>1. proximal epiphysis</li> <li>2. distal articular facet</li> </ol>
VERTEBRA	<ol style="list-style-type: none"> <li>1. spine</li> <li>2. anterior epiphysis</li> <li>3. posterior epiphysis</li> <li>4. centrum</li> <li>5. neural arch</li> </ol>	INNOMINATE	<ol style="list-style-type: none"> <li>1. tuber coxae</li> <li>2. tuber sacrale + scar</li> <li>3. body of ilium with dorso-medial foramen</li> <li>4. iliopubic eminence</li> <li>5. acetabular fossa</li> <li>6. symphyseal branch of pubis</li> <li>7. body of ischium</li> <li>8. ischial tuberosity</li> <li>9. depression for medial tendon of rectus femoris</li> </ol>
SCAPULA	<ol style="list-style-type: none"> <li>1. supraglenoid tubercle</li> <li>2. glenoid cavity</li> <li>3. origin of the distal spine</li> <li>4. tuber of spine</li> <li>5. posterior of neck with foramen</li> <li>6. cranial angle of blade</li> <li>7. caudal angle of blade</li> </ol>	FEMUR	<ol style="list-style-type: none"> <li>1. head</li> <li>2. trochanter major</li> <li>3. trochanter minor</li> <li>4. supracondyloid fossa</li> <li>5. distal medial condyle</li> <li>6. lateral distal condyle</li> <li>7. distal trochlea</li> <li>8. trochanter tertius</li> </ol>
HUMERUS	<ol style="list-style-type: none"> <li>1. head</li> <li>2. greater tubercle</li> <li>3. lesser tubercle</li> <li>4. intertuberal groove</li> <li>5. deltoid tuberosity</li> <li>6. dorsal angle of olecranon fossa</li> <li>7. capitulum</li> <li>8. trochlea</li> </ol>	TIBIA	<ol style="list-style-type: none"> <li>1. proximal medial condyle</li> <li>2. proximal lateral condyle</li> <li>3. intercondylar eminence</li> <li>4. proximal posterior nutrient foramen</li> <li>5. medial malleolus</li> <li>6. lateral aspect of distal articulation</li> <li>7. distal pre-epiphyseal portion of the diaphysis</li> </ol>
RADIUS	<ol style="list-style-type: none"> <li>1. medial half of proximal epiphysis</li> <li>2. lateral half of proximal epiphysis</li> <li>3. posterior proximal ulna scar and foramen</li> <li>4. medial half of distal epiphysis</li> <li>5. lateral half of distal epiphysis</li> <li>6. distal shaft immediately above distal epiphysis</li> </ol>	CALCANEUM	<ol style="list-style-type: none"> <li>1. calcaneal tuber</li> <li>2. sustentaculum tali</li> <li>3. processus anterior</li> </ol>
ULNA	<ol style="list-style-type: none"> <li>1. olecranon tuberosity</li> <li>2. trochlear notch- semilunaris</li> <li>3. lateral coronoid process</li> <li>4. distal epiphysis</li> </ol>	METATARSUS	<ol style="list-style-type: none"> <li>1. medial facet of proximal articulation, MT3.</li> <li>2. lateral facet of proximal articulation, MT4</li> <li>3. medial distal condyle, MT3</li> <li>4. lateral distal condyle, MT4</li> <li>5. anterior distal groove and foramen</li> <li>6. medial or lateral distal condyle</li> </ol>

## Market Deeping Bypass – DBF97; Archive Catalogue of Animal Bone

site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	5	BOS	PH1	1	16	L	PF	12						COMPLETE	4
DBF97	8	ARV	SKL	1	1	P								ANT HALF SKULL	5
DBF97	8	CSZ	LBF	1	16	F				DG				PROX SHAFT FRAG-END CHEWED	4
DBF97	8	CSZ	LBF	1	5	F								SHAFT FRAG	4
DBF97	8	CSZ	LBF	1	6	F								SHAFT FRAG- 5 PIECES	4
DBF97	8	CSZ	UNI	1	1	F								INDET	4
DBF97	8	MAN	PH1	1	2	W	PF	12						COMPLETE	4
DBF97	8	MOLE	HUM	1	0	W								COMPLETE	5
DBF97	8	OVCA	MTT	1	1	F								SHAFT FRAG	4
DBF97	8	OVCA	MTT	1	3	F				DG				SPLIT SHAFT FRAG- CHEWED	4
DBF97	8	SSZ	LBF	1	1	F			B					SHAFT FRAG-CHARRED	4
DBF97	8	SSZ	LBF	3	4	F								SHAFT FRAG	4
DBF97	8	SSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	8	SSZ	TIB	1	3	F								SHAFT FRAG	4
DBF97	8	UNI	UNI	1	0	F								INDET	5
DBF97	8	UNI	UNI	2	1	F								INDET	4
DBF97	8	UNI	UNI	1	1	F								INDET	4
DBF97	14	MAN	SKL	1	2	F								FRAG CRANIUM	4
DBF97	18	CSZ	TRV	1	4	F								FRAGMENT NEAR BASE SPINE	4
DBF97	18	OVCA	MAN	1	13	R		23			GH12113			ANT HORI RAMUS- 4 PIECES	4
DBF97	22	BOS	C23	1	9	W		1				D-29		COMPLETE	4
DBF97	22	BOS	LM2	1	26	R				J15				COMPLETE PROB AT LEAST 7 CEMENTUM LINES	4
DBF97	22	BOS	PH3	1	14	L		1						COMPLETE	4
DBF97	22	BOS	SKL	1	2	F								BASI-OCCIPITAL FRAG	4
DBF97	22	BOS	TIB	1	25	L	DN	56				Bd-59.6		DISTAL EPIPHYSIS	4
DBF97	22	BOS	TTH	1	2	F								ENAMEL FRAG- 2 PIECES	3
DBF97	22	BOS	ULN	1	51	R		23		DG				PROX END-OLECRANON CHEWED OFF	4
DBF97	22	BOS	UM3	1	26	L					K15	L-23.2		COMPLETE	4
DBF97	22	CER	ANT	1	5	F								FRAGMENT ANTLER CORTEX WITH PART MEDULLA-UNWORKED	4
DBF97	22	CSZ	LBF	1	12	F				DG				PROX SHAFT FRAG-CHEWED	4
DBF97	22	CSZ	LBF	1	5	F				DG				SHAFT FRAG	4
DBF97	22	CSZ	LBF	2	11	F								SHAFT FRAG	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	22	CSZ	SKL	3	5	F								FRAG	4
DBF97	22	CSZ	UNI	1	6	F								INDET	4
DBF97	22	CSZ	UNI	2	5	F								INDET	4
DBF97	22	MAN	MT4	1	5	L	DF	123						COMPLETE	4
DBF97	22	MAN	TAR	1	7	W		1						COMPLETE	4
DBF97	22	OVCA	ATL	1	10	F		234						DORSAL AND LATERAL DAMAGE	4
DBF97	22	OVCA	FEM	1	5	F								MIDSHAFT FRAG	4
DBF97	22	OVCA	FEM	2	7	L		4						DISTAL SHAFT FRAG	4
DBF97	22	OVCA	LM1	1	2	R					I13			COMPLETE	4
DBF97	22	OVCA	LM2	1	2	F					J8			ONE CUSP ONLY	4
DBF97	22	OVCA	MAN	1	2	L		5						CONDYLE	4
DBF97	22	OVCA	MAN	1	10	R		2			h15i12			ANT HORI RAMUS- 6 PIECES	4
DBF97	22	OVCA	MAN	1	25	L		7			J13K12			POST PART HORI RAMUS	4
DBF97	22	OVCA	MAX	1	6	L					gh14i10			LOOSE TEETH ONLY-STRIATIONS ON OCCLUDING SURFACE	4
DBF97	22	OVCA	MTC	1	3	F								MIDSHAFT-POROUS- 2 PIECES	4
DBF97	22	OVCA	MTC	1	8	R								PROX AND MIDSHAFT	4
DBF97	22	OVCA	MTC	1	3	F								DISTAL SHAFT FRAG	4
DBF97	22	OVCA	MTC	1	7	L				DG		SD-15 SB-9.5		MIDSHAFT-MALE-VERY BROAD-BOTH ENDS CHEWED	4
DBF97	22	OVCA	MTC	1	5	F				DG				MIDSHAFT FRAG-CHEWED	4
DBF97	22	OVCA	RAD	1	2	R				DG				PROX SHAFT FRAG-CHEWED	4
DBF97	22	OVCA	RIB	1	3	L								SHAFT-1ST RIB	4
DBF97	22	OVCA	SCP	1	2	R		2						GLENOID	4
DBF97	22	OVCA	SKL	1	2	F								DORSAL FRAG CRANIUM	4
DBF97	22	OVCA	UM1	1	4	R					I9			COMPLETE-JUST POSS M2	4
DBF97	22	OVCA	UM1	1	4	L					I12			COMPLETE	4
DBF97	22	OVCA	UM2	1	3	L					J6			COMPLETE	4
DBF97	22	OVCA	UM2	1	6	R					J7			COMPLETE	4
DBF97	22	SSZ	LBF	2	2	F								SHAFT FRAG	4
DBF97	22	SSZ	LBF	1	1	F			B					CALCINED SHAFT FRAG	4
DBF97	22	SSZ	LBF	1	3	F				DG				SHAFT FRAG-CHEWED	4
DBF97	22	SSZ	LBF	6	4	F								SHAFT FRAG	4
DBF97	22	SSZ	RIB	3	1	F								SHAFT FRAG	4
DBF97	22	SSZ	UNI	6	1	F								INDET	4
DBF97	22	SUS	MTP	1	4	F	DF	6		RD				DISTAL CONDYLE-HEAVILY RODENT GNAWED	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	22	SUS	SKL	1	24	L		48						TEMPORAL	4
DBF97	22	SUS	SKL	1	3	F								DORSAL FRAG CRANIUM	4
DBF97	22	SUS	ULN	1	20	L		23		DG				ARTICULATION AND PROX SHAFT- 2 PIECES-PROX END CHEWED OFF	4
DBF97	22	UNI	UNI	3	6	F								INDET	4
DBF97	22	UNI	UNI	8	6	F								INDET	4
DBF97	26	BOS	MAN	1	14	F								LATERAL FRAG HORI RAMUS	4
DBF97	26	CAN	INN	1	12	L	EF	459						ACETAB WITH PART ILIAL SHAFT	4
DBF97	26	CSZ	CC	1	1	F									4
DBF97	26	CSZ	LBF	3	11	F								SHAFT FRAG	4
DBF97	26	MAN	MT1	1	10	L	DF	123						DAMAGED	4
DBF97	26	MAN	SKL	1	8	F								ZYGOMATIC	4
DBF97	26	MAN	SKL	1	2	F								SUPRAORBITAL FRAG	4
DBF97	26	MAN	SKL	1	3	F								CRANIUM FRAG- 2 PIECES	4
DBF97	26	MAN	UNI	5	13	F								FRAGMENTS HUMAN BONE	4
DBF97	26	OVCA	CPR	1	1	W		1						COMPLETE	4
DBF97	26	OVCA	MTT	1	3	F								MIDSHAFT FRAG	4
DBF97	26	OVCA	UM1	1	3	R					I14			COMPLETE	4
DBF97	26	SSZ	LBF	3	3	F				DG				SHAFT FRAG-CHEWED	4
DBF97	26	SSZ	LBF	6	5	F								SHAFT FRAG	4
DBF97	26	SSZ	RIB	3	2	F								SHAFT FRAG	4
DBF97	26	SUS	LI	1	1	L								NO WEAR	4
DBF97	26	SUS	RIB	1	3	L								PROX SHAFT FRAG	4
DBF97	26	SUS	SKL	1	5	L		6						SUPRAORBITAL FRAG	4
DBF97	26	UNI	UNI	2	1	F								INDET	4
DBF97	26	UNI	UNI	16	7	F								POSS FRAGS OF HUMAN	4
DBF97	38	BOS	RAD	1	31	L	PF							SPLIT PROX END- 2 PIECES	4
DBF97	38	CSZ	LBF	2	8	F								SHAFT FRAG	4
DBF97	38	SSZ	UNI	1	1	F								INDET	4
DBF97	72	OVCA	UM1	1	4	R					I12			COMPLETE	4
DBF97	80	MAN	HUM	1	19	F	DF							DISTAL CONDYLE- 2 PIECES	3
DBF97	80	UNI	UNI	2	8	F								INDET-POSS HUMAN	3
DBF97	106	OVCA	MTC	1	11	R				DG				PROX AND MIDSHAFT-BOTH ENDS CHEWED	4
DBF97	115	BOS	SKL	1	20	L								ZYGOMATIC- IN 20 PIECES	4
DBF97	115	EQU	UM	1	19	L								WELL WORN	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	119	OVCA	MAN	1	33	R	7				GH14I16J12K11			RAMUS WITH TOOTH ROW	4
DBF97	153	BOS	MAN	1	7	F								VENTRAL FRAG OF HORI RAMUS	4
DBF97	154	BOS	CAL	1	41	L		23		DG				PROX END CHEWED OFF	4
DBF97	154	BOS	CAL	1	9	R				DG				ANT FRAG WITH PART ARTIC	4
DBF97	154	BOS	LI	1	1	F								BROKEN	4
DBF97	154	BOS	MAN	1	47	R	123				FG			ANT RAMUS	4
DBF97	154	BOS	PET	1	24	W									4
DBF97	154	BOS	PH2	1	11	L	PF	12						PROX DAMAGED	4
DBF97	154	BOS	RAD	1	9	F	DF							FRAGMENT OF DISTAL END	4
DBF97	154	BOS	SCP	1	13	L			CH					CHOPPED FRAG CAUDAL MARGIN	4
DBF97	154	BOS	TIB	1	10	L				DG				PROX SHAFT FRAG-CHEWED	4
DBF97	154	CSZ	CDV	1	2	W	CFAF							COMPLETE	4
DBF97	154	CSZ	LBF	2	2	F								SHAFT FRAG	4
DBF97	154	CSZ	RIB	2	4	F								SHAFT FRAG	4
DBF97	154	CSZ	RIB	1	2	F								SHAFT FRAG	4
DBF97	154	CSZ	UNI	3	3	F								INDET	4
DBF97	154	MAN	FEM	1	4	F	PN							PROX SHAFT-VERY YOUNG- ?BABY	4
DBF97	154	OVCA	LM3	1	8	L					K10			COMPLETE	4
DBF97	154	OVCA	MTT	1	5	F				DG				DISTAL SHAFT - 2 PIECES	4
DBF97	154	OVCA	MTT	1	7	F								MIDSHAFT	4
DBF97	154	OVCA	PH1	1	1	L		2						DISTAL HALF	4
DBF97	154	OVCA	SCP	1	5	R		3						DISTAL BLADE FRAG	4
DBF97	154	SSZ	LBF	4	5	F								SHAFT FRAG	4
DBF97	154	SSZ	LBF	2	5	F								SHAFT FRAG	4
DBF97	154	SSZ	TIB	1	1	R								PROX SHAFT FRAG	4
DBF97	154	SUS	INN	1	1	R		23						ILIAL SHAFT - PIGLET	4
DBF97	154	SUS	LI	1	3	R								SL WEAR	4
DBF97	154	UNI	UNI	3	1	F								INDET	4
DBF97	154	UNI	UNI	1	1	F								INDET	4
DBF97	156	OVCA	ULN	1	0	F								SHAFT FRAG	4
DBF97	156	UNI	UNI	1	0	F								INDET	4
DBF97	158	AGR	MAN	1	0	R								M1 AND 2	5
DBF97	158	ARV	LI	1	0	L									5
DBF97	158	ROD	FEM	1	0	R								DISTAL BROKEN	5



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	158	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	158	UNI	UNI	2	1	F								INDET	4
DBF97	163	BOS	ULN	1	15	F								PROX SHAFT FRAG	4
DBF97	163	OVCA	TIB	1	6	R								ANT PROX SHAFT FRAG	4
DBF97	163	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	163	UNI	UNI	1	1	F								INDET	4
DBF97	183	BOS	MAN	1	14	F								LATERAL FRAG HORI RAMUS WITH ALVEOLI	4
DBF97	183	BOS	ULN	1	2	F								SHAFT FRAG-JUVENILE	4
DBF97	183	CSZ	RIB	1	7	F								SHAFT FRAG - 2 PIECES	4
DBF97	183	OVCA	INN	1	1	L		9						ILIAL FRAG ACETAB	4
DBF97	183	OVCA	MAN	1	0	F								LATERAL FRAG HORI RAMUS	4
DBF97	183	OVCA	UM2	1	5	R					J13			COMPLETE	4
DBF97	183	SSZ	LBF	1	0	F								SHAFT FRAG	4
DBF97	183	SSZ	RIB	2	2	F								SHAFT FRAG	4
DBF97	187	CSZ	LBF	1	6	F								SHAFT FRAG - 2 PIECES	4
DBF97	204	BOS	HUM	1	45	L		9		DG				DISTAL SHAFT-DISTAL END CHEWED	4
DBF97	204	CSZ	LBF	2	6	F								SHAFT FRAG	4
DBF97	204	EQU	MTC	1	52	L		1				Bp-47.8		PROX END	4
DBF97	204	OVCA	MTC	1	5	F								DISTAL SHAFT - 2 PIECES	4
DBF97	204	SSZ	LBF	1	2	F				DG				SHAFT FRAG-CHEWED	4
DBF97	204	SUS	TIB	1	3	R		4						FRAG PROX SHAFT	4
DBF97	211	SSZ	LBF	2	3	F								SHAFT FRAG	4
DBF97	235	BOS	PH3	1	5	R								PROX FRAG	4
DBF97	366	BOS	HC	1	168	R								BASAL HALF OF CORE - 2 PIECES	4
DBF97	366	BOS	HYD	1	1	F								FRAG ONE END	4
DBF97	366	BOS	LI	1	3	R								SL WEAR	4
DBF97	366	BOS	LM	1	8	F								ONE CUSP-WORN	4
DBF97	366	BOS	LM2	1	15	R					J10			ROOTS LOST	4
DBF97	366	BOS	MAN	1	17	R		6						ANGLE OF JAW	4
DBF97	366	BOS	MAN	1	62	R		2			G			ANT FRAG HORI RAMUS	4
DBF97	366	BOS	MAN	1	118	R		7			J15K12			POST HORI RAMUS - 6 PIECES	4
DBF97	366	BOS	MAN	1	225	L		67			H12I16J15K12			POST HORI RAMUS AND ANGLE JAW	4
DBF97	366	BOS	RAD	1	4	F		DN						DISTAL SHAFT-VERY POROUS-CALF	3
DBF97	366	BOS	SAC	1	14	F								FRAG LATERAL WING	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	366	BOS	SAC	1	47	F	CV	4						ANT SACRAL VERT-CENTRUM	4
DBF97	366	BOS	SCP	1	69	L		345		DG				BLADE AND PART OF NECK-JUVENILE-PROX CHEWED	4
DBF97	366	BOS	SCP	1	45	L		34						DISTAL BLADE WITH SPINE	4
DBF97	366	BOS	SCP	1	59	L								BLADE FRAG-WITH BASE SPINE- 2 PIECES	4
DBF97	366	BOS	SCP	1	36	R								CAUDAL MARGIN OF BLADE	4
DBF97	366	BOS	SCP	1	3	F		4	B					CHARRED SPINE FRAG	4
DBF97	366	BOS	SCP	1	8	F								FRAG BLADE	4
DBF97	366	BOS	SKL	1	17	F								DORSAL PARIETAL FRAG	4
DBF97	366	BOS	UM1	1	15	L					I16			COMPLETE	4
DBF97	366	BOS	UM2	1	32	R					J16			COMPLETE	5
DBF97	366	CSZ	CEV	1	7	F								ZYGAPHOYSIS	4
DBF97	366	CSZ	LBF	2	12	F								SHAFT FRAG	4
DBF97	366	CSZ	RIB	6	60	F								SHAFT FRAG	4
DBF97	366	CSZ	RIB	1	38	F			CH					SHAFT FRAG-DISTAL CHOPPED	4
DBF97	366	CSZ	SCP	1	7	F								BLADE FRAG	4
DBF97	366	CSZ	SKL	3	7	F								SHAFT FRAG	4
DBF97	366	CSZ	UNI	3	12	F								INDET	4
DBF97	366	CSZ	UNI	2	14	F								INDET	4
DBF97	366	OVCA	LM	1	1	F								ONE CUSP	4
DBF97	366	OVCA	LM3	1	9	L					K12			COMPLETE	4
DBF97	366	OVCA	MAN	1	40	L		27			GHI12J12K7			HORI RAMUS	4
DBF97	366	SSZ	RIB	1	1	F			B					CALCINED SHAFT FRAG	4
DBF97	366	SSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	406	OVCA	RAD	1	2	R		3						PROX POST SHAFT FRAG	4
DBF97	406	SSZ	LBF	1	3	F								SHAFT FRAG- 2 PIECES	4
DBF97	406	UNI	UNI	1	1	F			B					INDET-CHARRED	4
DBF97	415	BOS	CAL	1	52	L		23		DG				PROX END CHEWED OFF	4
DBF97	415	BOS	TRV	1	25	F		5		DG				BASE OF SPINE-SL CHEWED	4
DBF97	415	CAN	RIB	1	2	F								SHAFT FRAG	4
DBF97	415	CSZ	LBF	5	48	F								SHAFT FRAG	4
DBF97	415	CSZ	RIB	1	18	F								SHAFT FRAG	4
DBF97	415	CSZ	UNI	2	4	F								INDET	4
DBF97	415	MAN	MAN	1	6	F								ANT SYMPHYSEAL FRAG	4
DBF97	415	OVCA	MTC	2	6	F								MIDSHAFT FRAG	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	415	OVCA	MTC	1	3	F								MIDSHAFT FRAG- 2 PIECES-POROUS	4
DBF97	415	OVCA	MTT	1	7	F								SHAFT	4
DBF97	415	OVCA	MTT	1	2	F								ANT SHAFT FRAG	4
DBF97	415	OVCA	MTT	1	7	L								ANT SHAFT- 2 PIECES	4
DBF97	415	OVCA	SKL	1	2	R								ZYGOMATIC	4
DBF97	415	OVCA	TIB	1	8	L		4						SPLIT SHAFT FRAG	4
DBF97	415	OVCA	TIB	1	6	L								DISTAL SHAFT	4
DBF97	415	OVCA	TIB	1	6	R								DISTAL SHAFT	4
DBF97	415	OVCA	UM2	1	6	R					J13			COMPLETE	4
DBF97	415	SSZ	LBF	2	1	F								SHAFT FRAG	4
DBF97	415	SUS	INN	1	7	L		3						ILAIL SHAFT	4
DBF97	415	SUS	SKL	1	11	R		6						SUPRA-ORBITAL FRAG	4
DBF97	415	SUS	TRV	1	4	F		1						SPINE -POROUS	4
DBF97	415	UNI	UNI	2	4	F			DG					INDET-VERT? CHEWED	4
DBF97	430	OVCA	LM1	1	1	L					I16			COMPLETE	4
DBF97	436	BOS	DUP4	1	3	F					h15			NEAR SHEDDING	4
DBF97	436	BOS	MAN	1	15	F								DIASTEMAL FRAG	4
DBF97	436	CHIK	TIB	1	0	F								PROX SHAFT FRAG	4
DBF97	436	CSZ	LBF	2	5	F								SHAFT FRAG	4
DBF97	436	CSZ	UNI	2	8	F								INDET	4
DBF97	436	FROG	LBF	1	0	F								SHAFT	4
DBF97	436	OVCA	LM2	1	4	L					J11			COMPLETE	4
DBF97	436	OVCA	MTT	1	5	L								SHAFT FRAG	4
DBF97	436	OVCA	RAD	1	3	L		3						PROX POST SHAFT FRAG	4
DBF97	436	OVCA	TIB	1	4	F								DISTAL SHAFT FRAG	4
DBF97	436	OVCA	UM2	1	6	L					J13			COMPLETE	4
DBF97	436	SSZ	CEV	1	1	F								ZYGAPOPHYSIS	4
DBF97	436	SSZ	LBF	4	5	F								SHAFT FRAG	4
DBF97	436	SUS	TTH	1	1	F								ENAMEL FRAG	4
DBF97	436	UNI	UNI	1	3	F			CH					INDET-CHOPPED	4
DBF97	436	UNI	UNI	3	4	F								INDET	4
DBF97	442	BOS	MTT	1	42	R								MIDSHAFT	4
DBF97	442	CSZ	LBF	1	3	F								SHAFT FRAG	4
DBF97	442	OVCA	TIB	1	3	F								MIDSHAFT FRAG	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	444	BOS	SCP	1	68	R								CAUDAL MARGIN OF BLADE	4
DBF97	444	BOS	TIB	1	18	R								PROX POST SHAFT FRAG	4
DBF97	444	BOS	ULN	1	36	R		23						PROX ARTIC AND PART SHAFT- 2 PIECES	4
DBF97	444	CSZ	UNI	1	3	F								INDET- 2 PIECES	4
DBF97	444	OVCA	SCP	1	7	L		5						CAUDAL MARGIN OF BLADE- 2 PIECES	4
DBF97	444	OVCA	TIB	1	3	R								MIDSHAFT FRAG	4
DBF97	444	SSZ	LBF	1	3	F								SHAFT FRAG	4
DBF97	444	SSZ	LBF	1	1	F			B					CHARRED SHAFT FRAG	4
DBF97	476	BOS	FEM	1	18	L		4						DISTAL SHAFT FRAG	4
DBF97	476	BOS	FEM	1	38	L			CH					SPLIT SHAFT FRAG-DISTAL CHOPPED	4
DBF97	476	BOS	HUM	1	143	L	DF	6789				BT-64.5 HT-39		DISTAL END- 2 PIECES	4
DBF97	476	BOS	LI	1	1	L								SL WEAR	4
DBF97	476	BOS	MAN	1	11	R		8		DG				POST FRAG ASC RAMUS-POROUS-JUV-CHEWED	4
DBF97	476	BOS	PH1	1	11	R	PF	1						PROX END AND PART DIST- 2 PIECES	4
DBF97	476	CSZ	LBF	1	38	F								SHAFT FRAG	4
DBF97	476	CSZ	LBF	3	10	F								SHAFT FRAG	4
DBF97	476	CSZ	RIB	2	32	F								SHAFT FRAG	4
DBF97	476	CSZ	RIB	1	2	F								SHAFT FRAG	4
DBF97	476	SSZ	LBF	1	4	F								SHAFT FRAG	4
DBF97	476	SUS	MT4	1	13	R	DF	123				GL-83 Db-16.2		COMPLETE	4
DBF97	476	SUS	TIB	1	28	L		4						PROX AND MIDSHAFT	4
DBF97	476	UNI	UNI	1	1	F								INDET	4
DBF97	483	OVCA	MTC	1	3	F								ANT SHAFT FRAG- 2 PIECES	4
DBF97	492	OVCA	HUM	1	4	R								MIDSHAFT FRAG	4
DBF97	500	CSZ	LBF	2	7	F								SHAFT FRAG	4
DBF97	520	BOS	PH1	1	21	L	PF	1						PROX END AND PART DIST- 3 PIECES	4
DBF97	530	BOS	FEM	1	41	L		4						DISTAL SHAFT- 5 PIECES	4
DBF97	530	BOS	INN	1	44	L	EF							LATERAL FRAG ACETAB	4
DBF97	530	BOS	MAN	1	98	R					lgh1217			HORI RAMUS WITH DEC TOOTH ROW AND M1	4
DBF97	530	CSZ	FEM	1	4	F		4						DISTAL FOSSA	4
DBF97	530	CSZ	LBF	1	3	F								SHAFT FRAG	4
DBF97	530	OVCA	INN	1	9	L		2		DG				ILIAL SCAR-CHEWED	4
DBF97	530	OVCA	MTT	1	6	R		1						SPLIT FRAG PROX END	4
DBF97	536	SUS	TRV	1	7	F		15						SPINE	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path	comment	preservation
DBF97	544	EQU	MTC	1	85	R		1						PROX HALF	4
DBF97	544	OVCA	MTC	1	4	F								SPLIT MIDSHAFT	4
DBF97	544	OVCA	RAD	1	9	L		3		DG				SHAFT-CHEWED	4
DBF97	544	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	544	UNI	UNI	1	2	F								INDET- 2 PIECES	4
DBF97	546	BOS	AST	1	74	R		1	KN			GL1-62 GL2-57.9 Bp-44 Bd-43		COMPLETE-CUTS ACROSS ANT SURFACE	4
DBF97	546	BOS	FEM	1	24	R		3				GL-32.6		FRAG WITH 3RD TROCH	4
DBF97	546	BOS	SCP	1	250	L	DF	2345	CH			SLC-45		DISTAL END AND BLADE- 4 PIECES-DIST END AND BASE SPINE CHOPPED	4
DBF97	546	CHIK	ULN	1	2	L						GL-75		COMPLETE	4
DBF97	546	CSZ	LBF	1	5	F								SHAFT FRAG	4
DBF97	546	CSZ	UNI	2	6	F								INDET	4
DBF97	546	GOOS	RAD	1	2	L								PROX HALF-POSS SAME AS ABOVE	4
DBF97	546	GOOS	RAD	1	2	L								DISTAL HALF	4
DBF97	546	GSSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	546	MAN	LBF	1	3	F								ERODED SHAFT - FEM?-JUVENILE	3
DBF97	546	MAN	PH1	1	3	W	PF	12						COMPLETE- SL ERODED DISTAL END	4
DBF97	546	MAN	TAR	1	4	W		1						ERODED	3
DBF97	546	OVCA	CAL	1	4	L	PF	123				GL-46.2 GB-11.3		COMPLETE	4
DBF97	546	OVCA	DLP4	1	1	R					h12			COMPLETE	4
DBF97	546	OVCA	INN	1	1	L	EF							LATERAL FRAG ACETAB	4
DBF97	546	OVCA	LM1	1	1	L					l16			COMPLETE	4
DBF97	546	OVCA	MTT	1	2	F	DN							SPLIT DISTAL SHAFT	4
DBF97	546	OVCA	TIB	1	10	R				DG				DISTAL HALF SHAFT-DIST CHEWED	4
DBF97	546	OVCA	ULN	1	1	F								MIDSHAFT FRAG-POROUS	4
DBF97	546	SSZ	LBF	3	2	F								SHAFT FRAG	4
DBF97	546	SSZ	RIB	2	3	F								SHAFT FRAG	4
DBF97	546	SSZ	TRV	1	1	F								BASE SPINE	4
DBF97	546	SSZ	UNI	1	1	F								INDET	4
DBF97	546	SUS	LI	1	2	F								BROKEN	4
DBF97	546	SUS	UC	1	4	F								TWO PIECES- MALE	4
DBF97	546	UNI	SKL	1	1	F								INDET	4
DBF97	546	UNI	UNI	4	3	F								INDET	4
DBF97	546	UNIB	LBF	1	0	F								SHAFT FRAG	4
DBF97	550	SUS	MAN	1	17	R		7			K10			POST HORI RAMUS WITH M3- 3 PIECES	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	553	BOS	INN	1	17	R	EF	9						ACETAB FRAG	4
DBF97	553	CSZ	LBF	1	28	F								SHAFT FRAG	4
DBF97	553	CSZ	LBF	2	7	F								SHAFT FRAG	4
DBF97	562	BOS	MAN	1	20	L		8						POST FRAG ASC RAMUS	4
DBF97	562	BOS	SKL	1	35	R		8						TEMPORAL FRAG	4
DBF97	562	CSZ	RIB	1	5	F								SHAFT FRAG	4
DBF97	562	CSZ	SKL	6	7	F								CRANIAL FRAGS	4
DBF97	562	CSZ	UNI	1	4	F								INDET	4
DBF97	562	OVCA	DLI	1	0	L								SL WEAR	4
DBF97	562	OVCA	RAD	1	10	L		3						SHAFT	4
DBF97	562	OVCA	TIB	1	4	F								SHAFT FRAG	4
DBF97	562	SSZ	RIB	1	3	F								SHAFT FRAG- 2 PIECES	4
DBF97	562	SSZ	UNI	1	1	F								INDET	4
DBF97	562	SUS	FEM	1	8	F								MIDSHAFT FRAG	4
DBF97	562	SUS	LI	1	4	R								SL WEAR	4
DBF97	562	SUS	MAX	1	24	L					H7110J7K2			M3 LOST	4
DBF97	562	SUS	TIB	1	4	R		4						PROX SHAFT FRAG	4
DBF97	562	UNI	UNI	3	4	F								INDET	4
DBF97	567	BOS	LM1	1	16	L					I16			COMPLETE	4
DBF97	568	BOS	UM3	1	33	R					K6			COMPLETE	4
DBF97	568	CSZ	LBF	1	9	F								SHAFT FRAG	4
DBF97	568	OVCA	LM2	1	3	L					J11			COMPLETE	4
DBF97	568	OVCA	UM3	1	8	R					K12			COMPLETE	4
DBF97	576	CSZ	LBF	1	3	F								SHAFT FRAG	4
DBF97	576	OVCA	MTC	1	1	F								SHAFT FRAG-POROUS	4
DBF97	578	BOS	MAN	1	7	F								VENTRAL FRAG OF HORI RAMUS	4
DBF97	578	CSZ	LBF	1	6	F								SHAFT FRAG	4
DBF97	584	UNI	RIB	1	3	F								SHAFT FRAG- 5 PIECES	4
DBF97	652	BOS	RAD	1	19	F								MIDSHAFT FRAG-WITH PART ULNA SHAFT	4
DBF97	652	CSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	692	OVCA	MTT	1	5	F				DG				MIDSHAFT -CHEWED	3
DBF97	692	OVCA	TIB	1	6	F				DG				DISTAL SHAFT FRAG- SL CHEWED	4
DBF97	692	SUS	RAD	1	2	F								POST MIDSHAFT FRAG	4
DBF97	692	UNI	LBF	1	1	F								CHARRED SHAFT FRAG	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	697	BOS	UM3	1	22	R					K15			CUSP BROKEN	4
DBF97	701	BOS	FEM	1	19	F								MIDSHAFT FRAG	4
DBF97	701	CSZ	LMV	1	11	F								TRANS PROCESS	4
DBF97	701	OVCA	RAD	1	1	F								MIDSHAFT FRAG WITH PART ULNAL SHAFT	4
DBF97	701	OVCA	RAD	1	5	R								MIDSHAFT	4
DBF97	701	OVCA	RAD	1	1	R		3						PROX SHAFT-SMALL-JUV	4
DBF97	701	OVCA	RAD	1	7	R								PROX SHAFT	4
DBF97	701	OVCA	TIB	1	16	R	DF	567				SD-12.7 Bd-21.2		DISTAL HALF	4
DBF97	701	OVCA	TIB	1	7	L								MIDSHAFT- 2 PIECES	4
DBF97	701	OVCA	TIB	1	30	L		47		DG		SD-13.2		SHAFT	4
DBF97	701	SSZ	LBF	1	1	F								SHAFT FRAG	3
DBF97	701	SUS	MAX	1	29	L					FGH9I13J9			2 PIECES- M3 PROB NOT UP	4
DBF97	701	SUS	SCP	1	2	F								FRAG CAUDAL MARGIN	4
DBF97	701	SUS	ULN	1	17	L		23		DG				PROX ARTIC-PROX CHEWED	4
DBF97	703	BOS	AXI	1	22	F		2						ANT CENTRUM WITH PEG	4
DBF97	703	BOS	CAL	1	42	L		2	CH	DG				DISTAL SHAFT-HEAVILY CHOPPED-PROX CHEWED	4
DBF97	703	BOS	CEV	1	27	F	CNAN	145						SMALL-JUV-EPIS LOST	4
DBF97	703	BOS	CQ	1	36	W		1				B-52		COMPLETE	4
DBF97	703	BOS	FEM	1	10	R	PN	3						PROX SHAFT-VERY POROUS-CALF	4
DBF97	703	BOS	HC	1	6	F								CORE FRAG	4
DBF97	703	BOS	HUM	1	65	L	PN	1						PROX EPI-2 PIECES	4
DBF97	703	BOS	HUM	1	66	L		69		DG				DISTAL SHAFT-DIST CHEWED	4
DBF97	703	BOS	HUM	1	43	R		9						ANT DISTAL SHAFT FRAG	4
DBF97	703	BOS	INN	1	40	R		2						FRAG WITH ILIAL SCAR	4
DBF97	703	BOS	LI	1	1	R								SL WEAR	4
DBF97	703	BOS	LI	1	2	L								MED WEAR	4
DBF97	703	BOS	LM2	1	22	L					J14			COMPLETE	4
DBF97	703	BOS	LM2	1	14	L					J11			CUSPS ONLY	4
DBF97	703	BOS	LM2	1	15	L					J12			TWO PIECES	4
DBF97	703	BOS	LM3	1	30	L					K14			COMPLETE	4
DBF97	703	BOS	MAN	1	72	R					I14J12K12			LOOSE TEETH	4
DBF97	703	BOS	MAN	1	22	L		68						ANGLE	4
DBF97	703	BOS	MAN	1	19	L		13						SYMPHYSEAL FRAG	4
DBF97	703	BOS	MAN	1	11	F		4						CORONOID	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	703	BOS	MTT	1	3	F								SHAFT FRAG	4
DBF97	703	BOS	MTT	1	9	F								SHAFT FRAG	4
DBF97	703	BOS	PAT	1	37	L		1						PERIPHERAL DAMAGE	4
DBF97	703	BOS	RAD	1	45	R	PF	12						PROX END-JUV	4
DBF97	703	BOS	RAD	1	17	R	PF	1						PART PROX END	4
DBF97	703	BOS	SCP	1	9	R								FRAG CAUDAL MARGIN OF BLADE-SMALL	4
DBF97	703	BOS	TIB	1	106	L	DF	567				SD-31.2		DISTAL END-DAMAGED	4
DBF97	703	BOS	TIB	1	44	L		4						PROX SHAFT FRAG	4
DBF97	703	BOS	TIB	1	12	F								POST MIDSHAFT FRAG	4
DBF97	703	BOS	UPM3	1	9	R					G12			COMPLETE	4
DBF97	703	CAN	TIB	1	18	L		4						PROX HALF SHAFT-SMALL TO MEDIUM DOG	4
DBF97	703	CSZ	CEV	1	6	F	CNAN	4						CENTRUM FRAG	4
DBF97	703	CSZ	CEV	1	3	F								ZYGAPOPHYSIS	4
DBF97	703	CSZ	CEV	1	21	F								FRAG WITH ZYGAPOPHYSIS	4
DBF97	703	CSZ	HUM	1	11	F								DIST FRAG	4
DBF97	703	CSZ	LBF	6	29	F								SHAFT FRAG	4
DBF97	703	CSZ	LBF	2	13	F								SHAFT FRAG	4
DBF97	703	CSZ	LMV	1	10	F	AF							POST FRAG OF CENTRUM	4
DBF97	703	CSZ	MTP	1	2	F								SPLIT-UNFUSED SHAFT FRAG-CALF-NEONATE?	4
DBF97	703	CSZ	RIB	1	7	R	PN							PROX END	4
DBF97	703	CSZ	RIB	4	27	F								SHAFT FRAG	4
DBF97	703	CSZ	RIB	1	32	F				DG				DISTAL SHAFT-DIST END CHEWED	4
DBF97	703	CSZ	TIB	4	55	F								SHAFT FRAG	4
DBF97	703	CSZ	UNI	4	8	F								INDET	4
DBF97	703	CSZ	UNI	10	41	F								INDET	4
DBF97	703	CSZ	UNI	10	47	F								INDET	4
DBF97	703	EQU	CEV	1	117	F	CNAN	145						EPIS LOST	4
DBF97	703	EQU	HUM	1	515	L	PFD	1567890				BT-85 HT-46.7 SD-39.6		PROX END AND DISTAL END AND SHAFT-2 PIECES	4
DBF97	703	EQU	INN	1	67	R	EF	5						ACETABULUM- 2 PIECES	4
DBF97	703	EQU	LMV	1	7	F		1						SPINE	4
DBF97	703	FEL	MT3	1	1	L	DF					GL-42		COMPLETE	4
DBF97	703	OVCA	CEV	1	8	R	CNAN	4	CH					CENTRUM-CHOPPED DOWN SIDE	4
DBF97	703	OVCA	CEV	1	9	F	CNAN	145						CENTRUM AND ARCH	4
DBF97	703	OVCA	CEV	1	4	F								DORSLA FRAG WITH ZYGAPOPHYSES	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	703	OVCA	CEV	1	9	F	CNAN	4						CENTRUM	4
DBF97	703	OVCA	HUM	1	2	L	DF							FRAGMENT OF DISTAL END	4
DBF97	703	OVCA	LM2	1	4	L					J12			CUSPS INTACT	4
DBF97	703	OVCA	LM3	1	4	L					K10			CUSPS BROKEN	4
DBF97	703	OVCA	LM3	1	6	L					K11			COLUMN BROKEN	4
DBF97	703	OVCA	MAN	1	2	L		2						DIASTEMAL FRAG	4
DBF97	703	OVCA	MTT	1	1	F								POST SHAFT FRAG	4
DBF97	703	OVCA	RAD	1	2	L	PF	2		DG				FRAG PROX END-CHEWED	4
DBF97	703	OVCA	TIB	1	9	R								MIDSHAFT-POROUS	3
DBF97	703	OVCA	TTH	1	1	F								CUSP FRAG	4
DBF97	703	OVCA	ULN	1	1	F								SHAFT FRAG	4
DBF97	703	OVCA	ULN	1	3	L		3						FRAG PROX ARTIC	4
DBF97	703	SSZ	CEV	1	3	F	CN							LATERAL FRAG	4
DBF97	703	SSZ	LBF	2	2	F								SHAFT FRAG	4
DBF97	703	SSZ	LBF	1	4	F				DG				SHAFT FRAG-CHEWED	4
DBF97	703	SSZ	LBF	7	14	F								SHAFT FRAG	4
DBF97	703	SSZ	LBF	5	7	F								SHAFT FRAG	4
DBF97	703	SSZ	LBF	2	11	F								MIDSHAFT FRAG	4
DBF97	703	SSZ	LMV	1	6	F	CNAN	4						CENTRUM	4
DBF97	703	SSZ	RIB	1	1	F			B					CALCINED SHAFT FRAG	4
DBF97	703	SSZ	RIB	1	1	L								PROX SHAFT	4
DBF97	703	SSZ	RIB	1	4	R	PN	1						PROX END	4
DBF97	703	SSZ	RIB	1	2	L	PF	1						PROX END	4
DBF97	703	SSZ	RIB	12	47	F								SHAFT FRAG	4
DBF97	703	SSZ	RIB	2	2	F								SHAFT FRAG	4
DBF97	703	SSZ	SCP	1	2	F								BLADE FRAG	4
DBF97	703	SSZ	TRV	1	2	F	CNAN	4						CENTRUM ONLY	4
DBF97	703	SSZ	TRV	1	2	F		5						BASE SPINE	4
DBF97	703	SSZ	VER	1	1	F	CN	2						EPI	4
DBF97	703	SSZ	VER	1	2	F	CN							FRAG CENTRUM	4
DBF97	703	SUS	DLI	1	1	W									4
DBF97	703	SUS	RIB	1	7	R	PN	1						PROX HALF	4
DBF97	703	SUS	TRV	1	3	F		1						SPINE	4
DBF97	703	UNI	SKL	1	4	F								INDET	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	703	UNI	UNI	6	5	F								INDET	4
DBF97	703	UNI	UNI	12	5	F								INDET	4
DBF97	703	UNI	UNI	4	4	F								INDET	4
DBF97	704	BOS	FEM	1	17	F								MIDSHAFT FRAG	4
DBF97	704	BOS	MAN	1	3	F								FRAG HORI RAMUS WITH TOOTH ALVEOLUS	4
DBF97	704	BOS	MAN	1	8	F								LATERAL FRAG HORI RAMUS	4
DBF97	704	BOS	MTC	1	16	F								DISTAL SHAFT FRAG	4
DBF97	704	BOS	MTT	1	60	L			KN	DG				DISTAL HALF SHAFT-DIST CHEWED-PROX ERODED-POSS BURNT	4
DBF97	704	BOS	PH1	1	17	R	PF	12						COMPLETE	4
DBF97	704	BOS	RAD	1	23	F				DG				SHAFT FRAG-CHEWED	4
DBF97	704	BOS	SCP	1	23	L		2						GLENOID FRAG	4
DBF97	704	BOS	SKL	1	8	F		0						MAXIAL FRAG	4
DBF97	704	BOS	SKL	1	4	F								PREMAXILLA- 2 PIECES	4
DBF97	704	BOS	UM	1	7	F								ERODED CUSP	2
DBF97	704	BOS	UM2	1	17	L					J15			ROOTS LOST	4
DBF97	704	BOS	UM2	1	18	R					J8			ROOTS LOST	4
DBF97	704	BOS	UPM2	1	6	R					F8			COMPLETE- VERY GROOVED OCCUSAL SURFACE	4
DBF97	704	CSZ	LBF	1	9	F								SHAFT FRAG	4
DBF97	704	CSZ	LBF	2	9	F								SHAFT FRAG	4
DBF97	704	CSZ	SKL	2	1	F								FRAG	4
DBF97	704	CSZ	TRV	2	34	F		5						BASE OF SPINE	4
DBF97	704	CSZ	UNI	2	4	F								FRAG	4
DBF97	704	OVCA	MAN	1	2	L		7						FRAGMENT POST TO M3 ALVEOLUS-M3 UP BUT LOST	4
DBF97	704	OVCA	RAD	1	1	R								MIDSHAFT FRAG	4
DBF97	704	OVCA	RAD	1	5	R				DG				SPLIT SHAFT-DISTAL END CHEWED	4
DBF97	704	OVCA	RAD	1	1	R	DN	6						DISTAL HALF SHAFT-LAMB	4
DBF97	704	OVCA	TIB	1	10	R		4		DG				PROX SHAFT FRAG-PROX CHEWED	4
DBF97	704	OVCA	TTH	1	0	F								ENAMEL FRAG	4
DBF97	704	OVCA	ULN	1	2	R		3						DISTAL FRAG PROX ARTIC	4
DBF97	704	SSZ	LBF	6	7	F								SHAFT FRAG	4
DBF97	704	SSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	704	SUS	HUM	1	11	L		6						DISTAL POST SHAFT-DIST END ERODED	3
DBF97	704	SUS	INN	1	9	L	EF	7						ISCHIAL SHAFT	4
DBF97	704	SUS	MAN	1	11	L		7						ALVEOLI FOR M3-LOST BUT WELL UP AND WORN	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	704	SUS	UM1	1	2	F					I8			COMPLETE	4
DBF97	704	UNI	UNI	5	3	F								INDET	4
DBF97	713	BOS	HUM	1	97	R		690		DG				SHAFT-BOTH ENDS CHEWED OFF-POROUS	3
DBF97	713	BOS	HUM	1	86	R	DF	689	CH	DG				DISTAL END-CHOPPED AND CHEWED	4
DBF97	713	BOS	INN	1	20	L	EF	4						PUBIC FRAG-ACETAB-FEMALE?	4
DBF97	713	BOS	LM2	1	19	R					J8			ROOTS LOST	4
DBF97	713	BOS	LPM4	1	11	R					H12			COMPLETE	4
DBF97	713	BOS	MTC	1	2	F	EN							SPLIT SHAFT-UNFUSED-CALF/NEONATE	4
DBF97	713	BOS	RAD	1	78	L	PF	123	CHB			Bp-69.5		PROX END-2 PIECES-SHAFT CHOPPED AND CHARRED	4
DBF97	713	BOS	SKL	1	9	F								BASISPHEOID FRAG	4
DBF97	713	BOS	SKL	1	6	F								NASAL	4
DBF97	713	BOS	SKL	1	5	F								FACIAL FRAG	4
DBF97	713	BOS	UPM4	1	9	R					H13			COMPLETE	4
DBF97	713	CSZ	LBF	1	10	F								SHAFT FRAG	4
DBF97	713	CSZ	RIB	1	2	F								SPLIT SHAFT FRAG	4
DBF97	713	CSZ	RIB	1	12	F				DG				SHAFT FRAG-BOTH ENDS CHEWED	4
DBF97	713	CSZ	SKL	1	3	F								INDET	4
DBF97	713	CSZ	TRV	1	14	F		5		DG				BASE OF SPINE-CHEWED	4
DBF97	713	CSZ	UNI	5	13	F								INDET	4
DBF97	713	OVCA	INN	1	19	L	EF	34579		DG				ACETAB WITH ILIAL AND ISCHIAL SHAFTS-BOTH ENDS CHEWED-MALE?	4
DBF97	713	OVCA	INN	1	11	L	EF	359	CH	DG				LATERAL ACETAB WITH PARTS ILIAL AND ISCHIAL SHAFT-BOTH ENDS CHEWED	4
DBF97	713	OVCA	LM1	1	3	R					I12			COMPLETE	4
DBF97	713	OVCA	LM2	1	3	L					J7			COMPLETE	4
DBF97	713	OVCA	MAN	1	8	R					K12			FRAG OF JAW AND LM3- 2 PIECES	4
DBF97	713	OVCA	MAN	1	2	F		4						CORONOID	4
DBF97	713	OVCA	MTT	1	8	L				DG				DISTAL HALF SHAFT-DIST CHEWED	4
DBF97	713	OVCA	MTT	1	6	R				DG				MIDSHAFT-PROX CHEWED	4
DBF97	713	OVCA	MTT	1	4	L								MID AND DISTAL SHAFT-POROUS-SMALL AND GRACILE-JUVILAMB	4
DBF97	713	OVCA	RAD	1	11	L		3		DG				MIDSHAFT-ERODED-CHEWED	3
DBF97	713	OVCA	SKL	1	1	R								PREMAXILLA	4
DBF97	713	OVCA	TIB	1	6	F								DISTAL SHAFT-ERODED	3
DBF97	713	OVCA	TIB	1	3	F								DISTAL SHAFT FRAG-SL POROUS	4
DBF97	713	OVCA	TIB	1	21	L		47		DG		SD-14.2		SHAFT-DISTAL END CHEWED	4
DBF97	713	OVCA	TIB	1	17	L		4		DG		SD-11.4		SHAFT-DIST END SL CHEWED- 2 PIECES	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	713	OVI	HC	1	32	R								MIDCORE-MALE	4
DBF97	713	SSZ	HUM	1	3	F								DISTAL SHAFT FRAG	4
DBF97	713	SSZ	LBF	3	3	F								SHAFT FRAG	4
DBF97	713	SSZ	LBF	1	2	F				DG				POROUS SHAFT FRAG-CHEWED	4
DBF97	713	SSZ	LBF	3	6	F								SHAFT FRAG	4
DBF97	713	SSZ	LBF	1	4	F				DG				SHAFT FRAG-CHEWED	4
DBF97	713	SSZ	LBF	2	3	F								SHAFT FRAG-SL POROUS	4
DBF97	713	SSZ	LBF	1	3	F								SPLIT SHAFT FRAG	4
DBF97	713	SSZ	RIB	5	9	F								SHAFT FRAG	4
DBF97	713	SSZ	SCP	1	0	F								BLADE FRAG	4
DBF97	713	SSZ	SCP	1	2	L		5						CAUDAL MARGIN-SMALL-POROUS-JUV	4
DBF97	713	SSZ	TRV	1	1	F								SPINE FRAG	4
DBF97	713	SUS	FIB	1	1	F								SHAFT	4
DBF97	713	SUS	HUM	1	21	R		690		DG				SHAFT-BOTH ENDS CHEWED	3
DBF97	713	SUS	HUM	1	21	L	DN	69		DG				DISTAL HALF SHAFT-ENDS CHEWED	4
DBF97	713	SUS	HUM	1	3	R				DG				DISTAL SHAFT-CHEWED	4
DBF97	713	SUS	LM2	1	7	W					J7			COMPLETE	4
DBF97	713	SUS	MAN	1	51	R		23			H9111			ANT FRAG WITH INCISORS-CANEINE AND PMS-6 PIECES-MALE	4
DBF97	713	SUS	MAN	1	9	R		6						ANGLE	4
DBF97	713	SUS	RAD	1	3	F				DG				PROX SHAFT FRAG	4
DBF97	713	SUS	RAD	1	16	R	PF	13		DG				PROX SHAFT-PROX END CHEWED	4
DBF97	713	SUS	RAD	1	1	R		3						POST PROX SHAFT FRAG	4
DBF97	713	SUS	SCP	1	9	R		35		DG				DISTAL BLADE-DIST END CHEWED	4
DBF97	713	SUS	SCP	1	20	R		235		DG				DISTAL BLADE AND NECK WITH PART GLENOID-DIST CHEWED	4
DBF97	713	SUS	SKL	1	2	F								MAXIALL FRAG	4
DBF97	713	UNI	UNI	8	3	F								INDET	4
DBF97	713	UNI	UNI	2	4	F								INDET	4
DBF97	715	BOS	MTT	1	33	F								SHAFT FRAG-5 PIECES-ERODED	2
DBF97	715	BOS	TTH	1	1	F								TIP OF CUSP-UNWORN	4
DBF97	715	CSZ	LBF	1	5	F				DG				SHAFT FRAG-CHEWED	4
DBF97	715	CSZ	LBF	2	6	F								SHAFT FRAG	4
DBF97	715	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	715	UNI	UNI	1	0	F								INDET	4
DBF97	718	BOS	DUP3	1	4	R					g6			CUSP BROKEN	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	718	BOS	INN	1	87	L	EF	39		DG				ILIAL SHAFT-ANT CHEWED	4
DBF97	718	BOS	MAN	1	16	R		4						CORONOID	4
DBF97	718	BOS	MAN	1	38	L					FG12			PROX FRAG HORI RAMUS	4
DBF97	718	BOS	RAD	1	21	R	PF	1		DG				FRAG PROX END	4
DBF97	718	BOS	RAD	1	19	L	PF	2		DG				FRAG PROX END-CHEWED	4
DBF97	718	BOS	RAD	1	103	L	DF	456				Bd-61 Dd-39.3		DISTAL THIRD	4
DBF97	718	BOS	SKL	1	45	L								DORSAL FRAGMENT ABOVE ORBIT- 11 PIECES-SMALL-CALF?	4
DBF97	718	BOS	ULN	1	19	L		3						DISTAL PART PROX ARTIC	4
DBF97	718	CSZ	LBF	4	24	F								SHAFT FRAG	4
DBF97	718	CSZ	RIB	1	6	F								SHAFT FRAG	4
DBF97	718	CSZ	RIB	1	10	L								PROX SHAFT	4
DBF97	718	CSZ	UNI	3	11	F								INDET	4
DBF97	718	OVCA	FEM	1	9	L	DN	567						DISTAL EPIPHYSIS	4
DBF97	718	OVCA	FEM	1	2	F								MIDSHAFT FRAG	4
DBF97	718	OVCA	FEM	1	7	F								MIDSHAFT FRAG	4
DBF97	718	OVCA	HYD	1	1	W								COMPLETE-JUV	4
DBF97	718	OVCA	INN	1	5	L	EF	7						ISCHIAL SHAFT	4
DBF97	718	OVCA	LM2	1	5	R					J10			COMPLETE	4
DBF97	718	OVCA	MAN	1	2	F								LATERAL FRAG HORI RAMUS	4
DBF97	718	OVCA	MAN	1	9	R		2			gh			DP4 ALVEOLI BUT LOST	4
DBF97	718	OVCA	MAN	1	14	R		27			fgh1218J2			HORI RAMUS WITH TOOTH ROW	4
DBF97	718	OVCA	MAN	1	9	R					fgh1118			2 PIECES- M1 LOOSE	4
DBF97	718	OVCA	MAX	1	3	L					gh12			LOOSE TEETH	4
DBF97	718	OVCA	MTT	1	4	F				DG				MIDSHAFT FRAG-CHEWED	4
DBF97	718	OVCA	RAD	1	8	L	PF	123						PROX HALF	4
DBF97	718	OVCA	SKL	1	0	R								PREMAXILLA	4
DBF97	718	OVCA	SKL	1	8	L		7						POST SUPRA-ORBITAL FRAG WITH BASE HORN CORE	4
DBF97	718	OVCA	TIB	1	6	F								SPLIT SHAFT FRAG	4
DBF97	718	OVCA	TIB	1	7	R								DISTA SHAFT	4
DBF97	718	OVCA	UM1	1	2	L					I7			CUSPS-POSS PART OF ABOVE MAX	4
DBF97	718	OVCA	UM1	1	3	L					I12			COMPLETE	4
DBF97	718	OVCA	UM3	1	4	R					K6			COMPLETE	4
DBF97	718	OVCA	UPM4	1	1	R					H7			COMPLETE	4
DBF97	718	OVI	SKL	1	6	R								PARIETAL FRAG	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path	comment	preservation
DBF97	718	SMA	RIB	1	0	F								SHAFT-POROUS	4
DBF97	718	SSZ	LBF	2	6	F								SHAFT FRAG	4
DBF97	718	SSZ	LBF	4	8	F				DG				SHAFT FRAG-SL POROUS	4
DBF97	718	SSZ	LBF	4	8	F								SHAFT FRAG-POROUS	4
DBF97	718	SSZ	LBF	1	1	F								DIST SHAFT FRAG-SMALL TIB?	4
DBF97	718	SSZ	LMV	1	4	F	CNAN	4	B					CHARRED CENTRUM	4
DBF97	718	SSZ	LMV	1	1	F								LAT FRAG TRANS PROCESS	4
DBF97	718	SSZ	RIB	14	23	F								SHAFT FRAG	4
DBF97	718	SSZ	SKL	1	2	F								INDET-POROUS	4
DBF97	718	SUS	INN	1	10	R		7		DG				ISCHIAL SHAFT-BOTH ENDS CHEWED	4
DBF97	718	SUS	LMV	1	5	L	CNAN	5	CH					LEFT SIDE-CHOPPED DOWN MIDDLE	4
DBF97	718	SUS	MAN	1	15	R					H9I12			FRAGMENT OF TOOTH ROW	4
DBF97	718	SUS	MAN	1	23	L		23						ANT FRAG WITH DEC TOOTH AVEOLI	4
DBF97	718	SUS	MAX	1	5	R					h19			MAXIALLARY FRAG	4
DBF97	718	SUS	MAX	1	16	L					F			ANT FRAG-FEMALE	4
DBF97	718	SUS	MAX	1	7	L					G10				4
DBF97	718	SUS	RAD	1	6	R		3		DG				MIDSHAFT-BOTH ENDS CHEWED	4
DBF97	718	SUS	UI	1	1	W									4
DBF97	718	UNI	SKL	5	2	F								INDET	4
DBF97	718	UNI	UNI	3	1	F								INDET	4
DBF97	720	BOS	DUP3	1	3	R					g7			BROKEN	4
DBF97	720	BOS	HUM	1	26	L		5						PROX SHAFT FRAG	4
DBF97	720	BOS	LM1	1	14	R					h16			COMPLETE	4
DBF97	720	BOS	LPM4	1	11	R					H10			COMPLETE	4
DBF97	720	BOS	RAD	1	64	L	PF	1		DG				PART PROX END	4
DBF97	720	BOS	SKL	1	9	L								POST ZYGOMATIC FRAG	4
DBF97	720	BOS	TIB	1	129	R	PF	123						PROXIMAL END	4
DBF97	720	BOS	UM	1	5	F								FRACTURED CUSP	4
DBF97	720	BOS	UPM2	1	2	R					F			WELL WORN	4
DBF97	720	CSZ	LBF	1	7	F				DG				WELL CHEWED SHAFT FRAG	4
DBF97	720	CSZ	RIB	1	6	F								SHAFT FRAG	4
DBF97	720	CSZ	SKL	1	5	F								DORSAL FRAG CRANIUM	4
DBF97	720	CSZ	UNI	3	5	F								INDET	4
DBF97	720	CSZ	VER	1	3	F								POROUS	4



site	Cont.	species	bone	No.	Wt g	sides	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	720	OVCA	AST	1	2	L		1						SL POROUS-JUV	4
DBF97	720	OVCA	LM2	1	5	R					J10			COMPLETE	4
DBF97	720	OVCA	MAN	1	10	L					hi9			M1 LOOSE- 2 PIECES	4
DBF97	720	OVCA	MAN	1	17	R					fgh1218J3			M2 LOST	4
DBF97	720	OVCA	MTT	1	3	F								SHAFT FRAG	4
DBF97	720	OVCA	MTT	1	15	L				DG				SHAFT AND BIT OF PROX END- BOTH ENDS CHEWED	4
DBF97	720	OVCA	MTT	1	4	F				DG				MIDSHAFT FRAG-CHEWED	4
DBF97	720	OVCA	MTT	1	1	F								SHAFT FRAG	4
DBF97	720	OVCA	RAD	1	7	L		3		DG				MIDSHAFT-BOTH ENDS CHEWED	4
DBF97	720	OVCA	RAD	1	4	R		3						MIDSHAFT	4
DBF97	720	OVCA	RAD	1	3	R		3						PROX SHAFT FRAG	4
DBF97	720	OVCA	ULN	1	1	F								SHAFT FRAG	4
DBF97	720	OVI	SKL	1	5	R			CH					PARIETAL-CHOPPED DOWN MIDDLE	4
DBF97	720	SSZ	LBF	1	2	F				DG				SHAFT FRAG-WELL CHEWED	4
DBF97	720	SSZ	LBF	1	1	F			B					CALCINED SHAFT FRAG	4
DBF97	720	SSZ	RIB	4	4	F								SHAFT FRAG	4
DBF97	720	SSZ	UNI	1	1	F								INDET	4
DBF97	720	SUS	LI	1	3	L								SL WEAR	4
DBF97	720	SUS	MAX	1	19	L					F			ANT MAX AND PREMAXILLA-FEMALE	4
DBF97	720	UNI	UNI	1	1	F			B					BURNT FRAG	4
DBF97	722	BOS	MTC	1	37	R		1						SPLIT FRAG PROX END	4
DBF97	722	BOS	RAD	1	18	F								MIDSHAFT FRAG	4
DBF97	722	CSZ	LBF	1	3	F								SHAFT FRAG	3
DBF97	722	OVCA	FEM	1	11	L				DG				SHAFT-DISTAL CHEWED	4
DBF97	722	SSZ	LBF	1	3	F								SHAFT FRAG	4
DBF97	722	SUS	DLI	1	1	F									4
DBF97	722	SUS	SCP	1	11	L		35						DISTAL FRAG BLADE- 2 PIECES	4
DBF97	724	BOS	CEV	1	28	F	CNAN	1345						CENTRUM AND ARCH-SMALL-SL POROUS-JUV-LOOSE EPI	4
DBF97	724	BOS	FEM	1	299	R		34						SHAFT	4
DBF97	724	BOS	HUM	1	23	R		6						DISTAL SHAFT FRAG	4
DBF97	724	BOS	LMV	1	83	F	CNAN	45						CENTRUM AND ARCH	3
DBF97	724	BOS	MAN	1	8	F								LATERAL FRAG HORI RAMUS	4
DBF97	724	BOS	MAN	1	30	L					J8			LOOSE TOOTH AND FRAG OF JAW- 2 PIECES	4
DBF97	724	BOS	MTC	1	42	R		2						SPLIT PROX END-SAME BONE AS IN 722	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	724	BOS	MTC	1	51	R				DG				PROX HALF SHAFT-PROX END CHEWED OFF	4
DBF97	724	BOS	MTT	1	5	F								POST MIDSHAFT FRAG	4
DBF97	724	BOS	MTT	1	21	L				DG				DISTAL SHAFT-DIST END CHEWED OFF	4
DBF97	724	BOS	UM3	1	43	R					K12			COMPLETE	4
DBF97	724	CSZ	HUM	1	37	R	PN							PROX SHAFT FRAG	4
DBF97	724	CSZ	LBF	1	6	F								SHAFT FRAG	4
DBF97	724	CSZ	RIB	2	4	F								SPLIT SHAFT FRAG	4
DBF97	724	CSZ	RIB	1	3	F				DG				SHAFT FRAG-CHEWED	4
DBF97	724	CSZ	UNI	2	7	F								INDET	4
DBF97	724	EQU	MPL	1	8	W								2 PIECES-WITH MTC BELOW	4
DBF97	724	EQU	MPL	1	6	F								PROX END-WITH MTC BELOW	4
DBF97	724	EQU	MTC	1	167	R	DF	12345				GL-223 Bp-48 Dp-33 SD-28.8 Rd-45.5 Dd-24.6 BT-25.1 HT-16.5	P	COMPLETE-POROUS BONE SURFACE WITH LAMINA FLAKING OFF	4
DBF97	724	OVCA	HUM	1	14	L	DF	6789						DISTAL HALF	4
DBF97	724	OVCA	MAN	1	3	L				DG				DIATSEMAL FRAG	4
DBF97	724	SSZ	RIB	1	1	F								DISTAL SHAFT-DOG?	4
DBF97	724	SSZ	UNI	1	1	F								INDET	4
DBF97	725	BOS	CPA	1	5	W		1							4
DBF97	725	BOS	FEM	1	34	F								MIDSHAFT FRAG	4
DBF97	725	BOS	MAN	1	27	L		123						SYMPHYSEAL FRAG-SOME LAMINATION-PROB CHARRED	4
DBF97	725	BOS	MTT	1	129	R	DF	12345				GL-184 Bp-37.3 SD-21.2 Bd-44.9		COMPLETE WITH SOME DAMAGE-BOTH ENDS SL CHEWED	4
DBF97	725	CSZ	RIB	2	24	R								PROX SHAFT	4
DBF97	725	CSZ	TRV	1	16	F	CF	2						ANT PART OF CENTRUM	4
DBF97	725	OVCA	MTT	1	1	F								MIDSHAFT FRAG	4
DBF97	725	OVCA	SCP	1	3	L		3						FRAG COLLUM WITH PART GLENOID	3
DBF97	725	OVCA	TIB	1	15	R	DN	7						DISTAL HALF SHAFT	4
DBF97	725	OVCA	UM2	1	3	L					J10			CUSP BROKEN	4
DBF97	725	SSZ	LBF	1	1	F			B					CALCINED SHAFT FRAG	4
DBF97	725	SSZ	LBF	2	1	F								SHAFT FRAG	4
DBF97	725	SUS	FEM	1	5	F				DG				PROX SHAFT FRAG-CHEWED	4
DBF97	725	SUS	MAX	1	27	L					J12K8	LM3-33		FRAG WITH M2 AND 3- 2 PIECES	4
DBF97	733	CSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	733	OVCA	MTT	1	6	F								MIDSHAFT	4
DBF97	733	SSZ	VER	1	0	F	AN	3						POST EPIPHYSIS	4
DBF97	734	BOS	LM3	1	22	L					K12			UNEVEN WEAR-REDUCED COLUMN-UM3 WEARING HEAVILY AT BACK	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	734	CSZ	RIB	1	70	F								SHAFT- 2 PIECES	4
DBF97	734	CSZ	RIB	1	21	F								SHAFT FRAG	4
DBF97	734	CSZ	UNI	1	14	F								PROB INN	4
DBF97	736	EQU	MTC	1	39	L	DF	345				Bd-43		DISTAL END	4
DBF97	736	OVCA	RAD	1	8	L		3						MIDSHAFT	4
DBF97	737	BOS	FEM	1	29	F								PROX SHAFT FRAG	4
DBF97	737	BOS	INN	1	6	L								ISCHIAL FRAG ACETAB	4
DBF97	737	BOS	SCP	1	8	F								DISTAL FRAG BLADE BENEATH SPINE	4
DBF97	737	BOS	ULN	1	19	R								FRAG OF SHAFT DISTAL TO PROX ARTIC	4
DBF97	737	BOS	UPM3	1	7	L					G12			COMPLETE	4
DBF97	737	CSZ	LBF	1	8	F			DG					SHAFT FRAG-CHEWED	4
DBF97	737	CSZ	RIB	3	4	F								SPLIT RIB FRAGS	4
DBF97	737	CSZ	RIB	1	6	F								SHAFT FRAG	4
DBF97	737	OVCA	FEM	1	8	F								MIDSHAFT- 2 PIECES	4
DBF97	737	SSZ	LBF	5	4	F								SHAFT FRAG	4
DBF97	737	SUS	MAN	1	22	L					I10J7K3			M3 LOST	4
DBF97	737	SUS	MAN	1	4	R		6						ANGLE-POROUS-SMALL-JUV	4
DBF97	737	UNI	UNI	2	1	F								INDET	4
DBF97	739	BOS	HUM	1	82	R		69	DG					DISTAL SHAFT-CHEWED	5
DBF97	739	BOS	HUM	1	83	R	DF	79				HT-38.1		SPLIT DISTAL END WITH PART OF CONDYLE	5
DBF97	739	CSZ	LBF	1	5	F								SHAFT FRAG	4
DBF97	739	CSZ	TRV	1	45	F	CFAF	234						CENTRUM-ANT THORACIC VERT	4
DBF97	739	SUS	MAN	1	18	R		6						POST VENTRAL FRAG HORI RAMUS	4
DBF97	741	BOS	DLP4	1	2	F					h6			UNWORN CUSP DECIDUOUS TOOTH	4
DBF97	741	CSZ	UNI	3	3	F								INDET	4
DBF97	741	OVCA	DUP4	1	2	L					h11			COMPLETE	4
DBF97	741	OVCA	MAN	1	8	R		568						POST ASC RAMUS	4
DBF97	741	OVCA	MAN	1	20	R		2			GH15I16J13			M3 LOST-AGED ANIMAL	4
DBF97	741	OVCA	RAD	1	3	R			DG					SPLIT MIDSHAFT-4 PIECES-POROUS-JUV-DIST CHEWED	4
DBF97	741	OVCA	RAD	1	4	L								SPLIT MIDSHAFT	4
DBF97	741	SSZ	RIB	1	1	L								SHAFT-SMALL	4
DBF97	741	SUS	MAN	1	8	L		7			K			M3 UP AND IN WEAR BUT LOST	4
DBF97	741	SUS	MAX	1	22	L					H7J7			FRAG WITH P4 AND M2-M3 PROB AT STAGE3/4	4
DBF97	741	UNI	SKL	1	2	F								INDET	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	746	BOS	DLP4	1	6	L								2 PIECES	4
DBF97	746	BOS	LM	1	2	F								UNWORN CUSP FRAG	4
DBF97	746	BOS	MTC	1	10	F								MIDSHAFT FRAG	4
DBF97	746	BOS	MTT	1	6	F								SHAFT FRAG- 2 PIECES	4
DBF97	746	CSZ	LBF	2	2	F								SHAFT FRAG	4
DBF97	746	CSZ	LBF	1	7	F				DG				SHAFT FRAG-2 PIECES-CHEWED	4
DBF97	746	CSZ	LBF	1	8	F	PF							FRAG PROX END-POSS RAD	4
DBF97	746	CSZ	UNI	1	5	F								INDET-POSS SCP	4
DBF97	746	SUS	LC	1	2	F								FRAGMENT-MALE	4
DBF97	746	UNI	RIB	1	1	F								SHAFT FRAG-2 PIECES	4
DBF97	746	UNI	UNI	2	1	F								INDET	4
DBF97	756	SSZ	LBF	1	1	F								SHAFT FRAG	5
DBF97	768	BOS	UM3	1	32	L						K7		COMPLETE	4
DBF97	768	OVCA	MAN	1	4	L								RAMUS FRAG WITH BROKEN TOOTH- 2 PIECES	4
DBF97	768	OVCA	SCP	1	3	R		5						FRAG DISTAL CAUDAL MARGIN OF BLADE	4
DBF97	768	OVCA	UM1	1	1	L						I10			4
DBF97	768	OVCA	UM2	1	3	R						J8		ROOTS BROKEN	4
DBF97	768	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	768	SSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	768	SUS	HUM	1	9	L		69						DISTAL SHAFT	5
DBF97	768	SUS	ULN	1	15	L		23	KN	DG				PROX ARTIC AND PART SHAFT-ARTIC CUT AND PROX END CHEWED	4
DBF97	768	UNI	UNI	1	3	F								INDET	4
DBF97	782	BOS	CAL	1	36	L		2		DG				DISTAL SHAFT WITH TUBER-BOTH ENDS CHEWED	4
DBF97	782	BOS	CPR	1	12	F		1		DG				CHEWED	4
DBF97	782	BOS	INN	1	16	R		7		DG				ISCHIAL SHAFT-BOTH ENDS CHEWED	4
DBF97	782	BOS	MAN	1	14	R		4						CORONOID-POROUS-3 PIECES	4
DBF97	782	CSZ	LBF	2	9	F								SHAFT FRAG	4
DBF97	782	CSZ	LBF	1	9	F				DG				SHAFT FRAG-POROUS-CHEWED	4
DBF97	782	CSZ	LMV	1	16	F		5						POST NEURAL ARCH- 3 PIECES	4
DBF97	782	CSZ	RIB	1	7	F								SHAFT FRAG	4
DBF97	782	OVCA	HUM	1	6	L		50						PROX HALF SHAFT	4
DBF97	782	OVCA	MAN	1	8	R		23			fgh13110			4 PIECES	4
DBF97	782	OVCA	RAD	1	5	F				DG				SHAFT FRAG-CHEWED	4
DBF97	782	OVCA	TIB	1	7	L				DG				MIDSHAFT-DISTAL CHEWED	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	782	OVCA	TIB	1	1	R		4						FRAG WITH FORAMEN	4
DBF97	782	OVCA	UM2	1	5	L					J13			COMPLETE	4
DBF97	782	SSZ	RIB	1	1	F								SHAFT FRAG-POROUS	4
DBF97	782	SSZ	TIB	1	3	R			DG					PROX SHAFT FRAG-PROX CHEWED	4
DBF97	782	SSZ	UNI	1	1	F								INDET	4
DBF97	782	UNI	CC	1	1	F									4
DBF97	788	CSZ	LBF	1	22	F								SHAFT FRAG	4
DBF97	788	CSZ	TRV	1	12	F		5						BASE OF SPINE	4
DBF97	788	CSZ	UNI	2	4	F								INDET	4
DBF97	788	CSZ	UNI	1	3	F								INDET	4
DBF97	788	OVCA	MTC	1	17	R		12		DG				PROX HALF-PROX END CHEWED	4
DBF97	788	OVCA	TIB	1	9	F								MIDSHAFT	3
DBF97	788	SSZ	LBF	2	2	F								SHAFT FRAG	4
DBF97	788	SSZ	LBF	1	1	F								SHAFT FRAG	3
DBF97	788	SSZ	RIB	2	6	F								SHAFT FRAG	4
DBF97	788	SSZ	UNI	1	1	F								INDET	4
DBF97	788	SUS	CAL	1	7	L		2					P	PROX END AND DISTAL END LOST-PATH GROWTH ABOVE TUBEROSITY	3
DBF97	788	SUS	LC	1	1	F								ENAMEL FRAG	4
DBF97	789	BOS	HUM	1	24	R		67						DISTAL SHAFT-SMALL-JUV	4
DBF97	789	BOS	MAX	1	53	R		0			F4G3H2h15			ANT FRAG MAXILLA-P4 BENEATH DP4- 2 PIECES	4
DBF97	789	CSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	789	CSZ	RIB	1	5	F								SHAFT FRAG	3
DBF97	789	CSZ	SKL	1	2	F								MAX FRAG	4
DBF97	789	CSZ	UNI	3	5	F								INDET	4
DBF97	789	OVCA	CEV	1	6	F	CJ	45						CENTRUM AND ARCH	4
DBF97	789	OVCA	HUM	1	13	L	DF	6789		DG		BT-25 HT-14.4		DISTAL HALF-SL CHEWED	4
DBF97	789	OVCA	MAN	1	43	R		123678			H13I16J13K11			DORSAL ASC RAMUS LOST	4
DBF97	789	OVCA	RAD	1	10	R		3						MIDSHAFT	4
DBF97	789	OVCA	RAD	1	9	R	PF	123				Bp-26.7 Dp-14.1		PROX END	4
DBF97	789	OVCA	TIB	1	5	R								MIDSHAFT FRAG	4
DBF97	789	SSZ	LBF	4	2	F								SHAFT FRAG	4
DBF97	789	SSZ	RIB	3	2	F								SHAFT FRAG	4
DBF97	789	SUS	INN	1	6	R		3		DG				ILIAL SHAFT-BOTH ENDS HEAVILY CHEWED	4
DBF97	789	UNI	UNI	2	1	F								INDET	4



site	Cont.	species	bone	No.	Wt.g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	791	SSZ	RIB	1	6	R								PROX SHAFT	4
DBF97	795	OVCA	MAN	1	2	R		5						CONDYLE-POROUS	4
DBF97	795	SSZ	LBF	3	5	F								SHAFT FRAG-POROUS	4
DBF97	795	UNI	UNI	1	1	F								INDET	4
DBF97	801	BOS	INN	1	10	L	EN	23						ILIUM-CALF	4
DBF97	806	SUS	MT2	1	1	R	DN	12						EPI LOST	4
DBF97	806	SUS	MT5	1	3	L	DN	12						EPI LOST	4
DBF97	807	BOS	HUM	1	8	R		5						SHAFT FRAG WITH DELTOID	4
DBF97	807	BOS	SKL	1	7	F								FRONTAL FRAG AT BASE CORE	4
DBF97	807	CSZ	LBF	1	11	F								SHAFT FRAG	4
DBF97	807	CSZ	LBF	1	7	F				DG				SHAFT FRAG-CHEWED	3
DBF97	807	OVCA	HUM	1	3	F								MIDSHAFT FRAG	4
DBF97	807	OVCA	TIB	1	1	R		4						SHAFT FRAG WITH FORAMEN	4
DBF97	807	OVCA	TIB	1	8	L				DG				DISTAL SHAFT-DIST CHEWED	4
DBF97	807	OVCA	UM3	1	6	L					K12			CUSP BROKEN	4
DBF97	807	SSZ	LBF	1	2	F								SHAFT FRAG-MTP- 2 PIECES	4
DBF97	807	SSZ	LBF	4	4	F								SHAFT FRAG	4
DBF97	809	BOS	CAL	1	14	L				DG				MIDSHAFT-HEAVILY CHEWED	3
DBF97	809	BOS	LI	1	4	L								WELL WORN	4
DBF97	809	BOS	LPM	1	1	F					G/H5			UNWORN CUSP FRAG	4
DBF97	809	CSZ	LBF	2	5	F								SHAFT FRAG	4
DBF97	809	OVCA	UM3	1	6	L					K12			COMPLETE	4
DBF97	809	SSZ	LBF	2	6	F								SHAFT FRAG	4
DBF97	809	SSZ	RIB	1	1	R								PROX SHAFT FRAG	4
DBF97	809	UNI	RIB	1	3	R								PROX SHAFT FRAG	4
DBF97	817	BOS	LPM3	1	4	L					G10			ROOT BROKEN	4
DBF97	817	OVCA	TIB	1	7	L								MIDSHAFT	3
DBF97	826	BOS	INN	1	7	F								PART ISCHIAL SHAFT	4
DBF97	826	CSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	826	CSZ	LBF	1	2	F								SHAFT FRAG-POROUS	4
DBF97	826	SSZ	RIB	2	4	F								SHAFT FRAG	4
DBF97	845	OVCA	RAD	1	3	R		3						PROX SHAFT FRAG	4
DBF97	845	SSZ	FEM	1	2	F								SHAFT FRAG	4
DBF97	847	UNI	UNI	1	1	F								INDET	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	849	OVCA	MTP	1	3	F								SHAFT FRAG	4
DBF97	850	BOS	HUM	1	23	F	DF	7	CH					FRAG OF CONDYLE	4
DBF97	850	BOS	INN	1	59	R	EF	5	KN					ACETABULUM- 3 PIECES-CUT ACROSS ISCHIUM	4
DBF97	850	BOS	ULN	1	5	F								SHAFT FRAG- 2 PIECES	4
DBF97	850	CSZ	CEV	1	38	R	AN							LATERAL FRAG	4
DBF97	850	CSZ	LBF	3	19	F								SHAFT FRAG	4
DBF97	850	CSZ	LBF	1	7	F								SHAFT FRAG	4
DBF97	850	CSZ	MAN	1	5	F								FRAG WITH ALVEOLI	4
DBF97	850	CSZ	RIB	1	12	F								SHAFT FRAG	4
DBF97	850	CSZ	RIB	1	18	F			CH					SHAFT FRAG-CHOPPED	4
DBF97	850	CSZ	RIB	1	4	F	PF	1						PROX END	4
DBF97	850	CSZ	RIB	4	9	F								SPLIT SHAFT FRAG	4
DBF97	850	OVCA	MAN	1	21	L		23			I16J13			HORI RAMUS-M3 LOST	4
DBF97	850	OVCA	MAN	1	15	L		2			gh12I7			M1 LOOSE	4
DBF97	850	OVCA	MAN	1	20	L		7			J12K10			POST PART HORI RAMUS- 5 PIECES	4
DBF97	850	OVCA	MAN	1	8	L					J12K8			LOOSE TEETH	3
DBF97	850	OVCA	MTC	1	5	F				DG				MIDSHAFT-CHEWED	4
DBF97	850	OVCA	MTT	1	3	F				DG				SHAFT FRAG-CHEWED	4
DBF97	850	OVCA	RAD	1	1	R		3						FRAG SHAFT	4
DBF97	850	OVCA	TIB	1	5	L								PROX SHAFT FRAG	4
DBF97	850	OVCA	TIB	1	14	L				DG				MIDSHAFT-DISTAL CHEWED	4
DBF97	850	OVCA	TIB	1	5	L		4						MIDSHAFT-POROUS-SMALL-JUV?	4
DBF97	850	SSZ	FEM	1	4	F								MIDSHAFT FRAG	4
DBF97	850	SSZ	LBF	3	10	F								SHAFT FRAG	4
DBF97	850	SSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	850	SUS	CAL	1	20	R	PC	123				GL-74.3		COMPLETE	4
DBF97	850	SUS	LPM4	1	1	F					H9			FRAGMENT	4
DBF97	850	SUS	MAN	1	24	L		7			K7	LM3-33.9		FRAG JAW AND M3- 5 PIECES	4
DBF97	850	UNI	UNI	1	1	F								INDET	4
DBF97	865	EQU	UM	1	35	R								WORN	3
DBF97	865	OVCA	MTT	1	7	L				DG				MIDSHAFT-BOTH ENDS CHEWED	3
DBF97	867	BOS	DUP3	1	5	L					g6			COMPLETE	4
DBF97	867	BOS	RAD	1	3	R		3						PROX SHAFT FRAG-POROUS-SMALL-CALF	4
DBF97	867	CSZ	LBF	2	7	F								SHAFT FRAG	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	867	CSZ	UNI	1	4	F								INDET	4
DBF97	867	OVCA	MAN	1	14	R		23			Igh12I9J3			3 PIECES-M2 LOST	4
DBF97	867	OVCA	MAN	1	46	R		12378			GH14I12J11K8			PREMOLAR COMPACTED	4
DBF97	867	SSZ	LBF	2	2	F								SHAFT FRAG	4
DBF97	867	UNI	UNI	1	0	F								INDET	4
DBF97	874	EQU	LC	1	8	W								VERY WORN	4
DBF97	875	BOS	PH2	1	5	F		1						FRAG PROX END- 3 PIECES	3
DBF97	882	CAN	HUM	1	11	L		69		DG		SD-13.3		DISTAL HALF SHAFT	4
DBF97	882	CAN	HUM	1	6	R		69		DG		SD-7.9		DISTAL HALF SHAFT-DIST CHEWED-SMALL BUT LONG LEGGED	4
DBF97	882	CHIK	MTT	1	5	R						GL-73.4 Bp-13.3 Bd-13.1		COMPLETE	4
DBF97	882	CSZ	LMV	1	25	F	CNAJ	34	CH					CENTRUM-CHOPPED AXIALLY FROM POST	4
DBF97	882	OVCA	FEM	1	1	R		3						PROX SHAFT FRAG	4
DBF97	882	OVCA	RAD	1	12	L		3		DG				MIDSHAFT-BOTH ENDS CHEWED	4
DBF97	882	OVCA	SCP	1	4	R		23						GLENOID AND NECK	4
DBF97	882	OVCA	TIB	1	13	R	DF	567				SD-12.2 Bd-23.4 Dd-18.6		DISTAL HALF	4
DBF97	882	OVCA	UM2	1	4	L					J13			COMPLETE	4
DBF97	882	SSZ	LBF	1	3	F								SHAFT FRAG	4
DBF97	882	SSZ	RIB	5	4	F								SHAFT FRAG	4
DBF97	882	SUS	MAN	1	93	R		1235678			F3H7J7K2		P	POST DORSAL ASC RAMUS LOST-ABCESS ON LATERAL SIDE M2- 2 PIECES-FEMALE INDET	4
DBF97	882	UNI	UNI	1	1	F									4
DBF97	884	BOS	INN	1	8	R								ANT ACTEAB FRAG PUBIS	4
DBF97	886	OVCA	MTT	1	3	F				DG				MIDSHAFT FRAG-CHEWED	4
DBF97	887	BOS	SCP	1	5	F			CH					FRAG BLADE- 2 PIECES	4
DBF97	887	CSZ	LBF	1	1	F			B					CALCINED SHAFT FRAG	4
DBF97	887	CSZ	UNI	2	4	F								INDET	4
DBF97	887	OVCA	AXI	1	5	F		5						POST PART NEURAL ARCH	3
DBF97	887	OVCA	MAN	1	2	R		4						CORONOID	4
DBF97	887	OVCA	MTC	1	3	F								MIDSHAFT FRAG	4
DBF97	887	OVCA	RAD	1	9	R		3						MIDSHAFT	4
DBF97	887	OVCA	TIB	1	23	L		4		DG				SHAFT-BOTH EDNS CHEWED	4
DBF97	887	OVCA	TIB	1	6	R		4		DG				MIDSHAFT FRAG=SL CHEWED	4
DBF97	887	OVCA	UM2	1	5	R					J7			COMPLETE	4
DBF97	887	SSZ	LBF	3	6	F								SHAFT FRAG	4
DBF97	887	SSZ	LBF	1	4	F								SHAFT FRAG	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	887	SSZ	RIB	2	3	F								SHAFT FRAG	4
DBF97	887	SUS	LI	1	4	R								NO WEAR	4
DBF97	887	SUS	SCP	1	6	R		5						DISTAL FRAG CAUDAL MARGIN OF BLADE	4
DBF97	887	UNI	UNI	1	1	F								INDET	4
DBF97	889	OVCA	HUM	1	4	R	DF	7		DG				DISTAL CONDYLE-CHEWED	3
DBF97	889	SSZ	LBF	3	1	F								SHAFT FRAG	3
DBF97	893	BOS	HUM	1	79	R		69		DG				DISTAL SHAFT-DIST END CHEWED OFF	4
DBF97	893	CSZ	RIB	1	3	F								SHAFT FRAG - 2 PIECES	4
DBF97	893	CSZ	UNI	1	3	F								INDET	4
DBF97	893	EQU	UI	1	7	W								WORN	4
DBF97	893	OVCA	MAN	1	1	R		4						CORONOID	4
DBF97	893	OVCA	MAN	1	32	R		457			I14J13K11			2 PIECES	4
DBF97	893	OVCA	UM3	1	6	R					K10			2 CUSP FRAGMENTS	4
DBF97	893	SSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	893	SSZ	LBF	1	1	F								SHAFT FRAG	3
DBF97	895	CSZ	LBF	1	2	F								SHAFT FRAG	3
DBF97	895	CSZ	LBF	1	4	F								SHAFT FRAG	4
DBF97	895	CSZ	RIB	1	5	F	PF	1						PROX END	4
DBF97	895	OVCA	LM2	1	5	R					J9			COMPLETE	4
DBF97	895	OVCA	UM2	1	5	L					J9			COMPLETE	4
DBF97	897	BOS	SAC	1	34	F	CNAN	4		DG				1ST SACRAL CENTRUM-CHEWED-SMALL	4
DBF97	897	CSZ	RIB	1	5	F								SHAFT FRAG	4
DBF97	897	OVCA	FEM	1	9	R				DG				DISTAL SHAFT-DIST END CHEWED	4
DBF97	897	OVCA	MTT	1	4	F				DG				MIDSHAFT-CHEWED-POROUS-JUV	4
DBF97	897	OVCA	TIB	1	6	F								DISTAL SHAFT	4
DBF97	897	OVCA	ULN	1	1	F								SHAFT FRAG	4
DBF97	897	SSZ	FEM	1	2	F								SHAFT FRAG	4
DBF97	897	SSZ	HUM	1	2	F								SHAFT FRAG	4
DBF97	897	SSZ	LBF	4	8	F								SHAFT FRAG	4
DBF97	897	SSZ	RIB	3	2	F								SHAFT FRAG	4
DBF97	897	SUS	HUM	1	21	L		69		DG				DISTAL HALF SHAFT-END CHEWED OFF	4
DBF97	897	SUS	MAN	1	96	R		1237			FGH911J8K5			HORI RAMUS WITH INCISORS-4 PIECES-MALE	4
DBF97	897	SUS	SCP	1	7	L		34						BLADE FRAG WITH SPINE	4
DBF97	897	UNI	UNI	11	6	F								INDET	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	898	SSZ	RIB	1	2	F								SHAFT FRAG	4
DBF97	901	BOS	MTT	1	63	R				DG				PROX AND MIDSHAFT-PROX END CHEWED OFF	4
DBF97	901	CSZ	RIB	1	7	F								SHAFT FRAG-2 PIECES	4
DBF97	901	OVCA	LM2	1	4	L					J7			COMPLETE	4
DBF97	901	OVCA	MAN	1	29	L		1237				GH14I17J13K12		2 PIECES	4
DBF97	901	OVCA	SKL	1	1	F								NASAL	4
DBF97	901	OVCA	TIB	1	16	R				DG				MIDSHAFT-DIST SL CHEWED	4
DBF97	901	SSZ	FEM	1	5	F								SHAFT FRAG	4
DBF97	901	SSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	901	SSZ	RIB	1	1	R								PROX SHAFT	4
DBF97	904	BOS	AST	1	31	L		1				L1-52 L2-47.6 Bp-35.4 Bd-32.7		PERIPHERAL DAMAGE	4
DBF97	904	BOS	LM3	1	48	L					K11			COMPLETE	4
DBF97	904	BOS	UM3	1	37	R					K11			CUSPS DAMAGED	4
DBF97	904	CAN	SKEL	1	50	P								CEV-TRV-LMV-SAC-RIB- 5 PIECES	4
DBF97	904	CAN	SKL	1	5	R								ZYGOMATIC-LARGISH DOG	4
DBF97	904	CSZ	LBF	3	11	F								SHAFT FRAG	4
DBF97	904	CSZ	RIB	1	11	F								SHAFT FRAG	4
DBF97	904	CSZ	TIB	1	35	L								PROX SHAFT FRAG	4
DBF97	904	CSZ	UNI	1	3	F								INDET	4
DBF97	904	CSZ	UNI	5	12	F								INDET	4
DBF97	904	OVCA	DUP4	1	1	R					h10			2 PIECES	4
DBF97	904	OVCA	FEM	1	5	F								MIDSHAFT FRAG	4
DBF97	904	OVCA	FEM	1	16	L	DF	567						DISTAL END	4
DBF97	904	OVCA	HUM	1	8	R	DF	6789		DG				DISTAL END-CHEWED	4
DBF97	904	OVCA	MAX	1	3	R					GH14			2 PIECES	4
DBF97	904	OVCA	MTT	1	1	F								ANT MIDSHAFT FRAG	4
DBF97	904	OVCA	MTT	1	9	R				DG				SHAFT-BOTH ENDS CHEWED	4
DBF97	904	OVCA	PH1	1	1	R	PN	2						PROX EPI LOST-SMALL-LAMB?	4
DBF97	904	OVCA	SCP	1	10	R	DF	1235				SLC-18.4 GLP-27.2 LG-21.8 RC-18		DISTAL HALF	4
DBF97	904	OVCA	TIB	1	7	F								DISTAL SHAFT	4
DBF97	904	OVCA	UM	1	3	F								ONE CUSP-WELL WORN	4
DBF97	904	SSZ	LBF	2	2	F			B					CALCINED SHAFT FRAG	4
DBF97	904	SSZ	LBF	3	3	F				DG				SHAFT FRAG-CHEWED	4
DBF97	904	SSZ	LBF	11	10	F								SHAFT FRAG	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path	comment	preservation
DBF97	904	SSZ	LBF	4	7	F								SHAFT FRAG	4
DBF97	904	SSZ	RIB	4	6	F								SHAFT FRAG	4
DBF97	904	SSZ	TIB	2	6	F								SHAFT FRAG	4
DBF97	904	SSZ	UNI	2	3	F								INDET	4
DBF97	904	SSZ	UNI	2	1	F								INDET	4
DBF97	904	SUS	MAN	1	8	F								VENTRAL FRAG HORI RAMUS-POROUS	4
DBF97	904	SUS	SCP	1	7	R								CAUDAL MARGIN OF BLADE	4
DBF97	904	UNI	SKL	3	5	F								INDET	4
DBF97	904	UNI	UNI	9	4	F								INDET	4
DBF97	904	UNIB	LBF	1	0	F								SHAFT FRAG	4
DBF97	906	BOS	FEM	1	203	R	PF	13				DC-39		PROX HALF-EPI BROKEN	4
DBF97	914	BOS	FEM	1	7	R								DISTAL SHAFT FRAG	4
DBF97	914	BOS	FEM	1	15	R				DG				DISTAL SHAFT FRAG-DISTAL CHEWED	4
DBF97	914	BOS	INN	1	69	R	EF	45		DG				ACETABULUM-CHEWED	4
DBF97	914	BOS	MAN	1	4	F		4						TIP OF CORONOID	4
DBF97	914	BOS	MAN	1	11	L								MEDIAL FRAG OF HORI RAMUS- 2 PIECES	4
DBF97	914	BOS	PH1	1	13	L	PF	12		DG				DAMAGED AND CHEWED	4
DBF97	914	BOS	SKL	1	23	F								DORSAL FRAG CRANIUM- 2 PIECES	4
DBF97	914	CSZ	CEV	1	14	F		15						FRAG NEURAL ARCH	4
DBF97	914	CSZ	LBF	1	10	F								SHAFT FRAG	4
DBF97	914	CSZ	RIB	1	18	L								PROX SHAFT	4
DBF97	914	CSZ	UNI	2	13	F								INDET	4
DBF97	914	OVCA	HUM	1	14	R		690		DG				SHAFT-DISTAL CHEWED	4
DBF97	914	OVCA	INN	1	7	L	EF	7						ISCHIAL SHAFT	4
DBF97	914	OVCA	LI	1	0	R								MED WEAR	4
DBF97	914	OVCA	LM2	1	4	R					J11			CUSP BROKEN	4
DBF97	914	OVCA	MAN	1	17	R		2			h13J10			M1 LOST- 4 PIECES	4
DBF97	914	OVCA	MTC	1	3	F								MIDSHAFT FRAG-SL POROUS	4
DBF97	914	OVCA	TIB	1	2	F								DISTAL SHAFT-VERY SMALL-POROUS-LAMB	4
DBF97	914	OVCA	UM1	1	3	L					l14			COMPLETE	4
DBF97	914	OVCA	UM3	1	8	L					K13			COMPLETE	4
DBF97	914	SSZ	LBF	4	9	F								SHAFT FRAG	4
DBF97	914	SSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	914	SUS	LI	1	1	F								CUSP FRAG	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	914	SUS	LI	1	1	R								MED WEAR	4
DBF97	914	SUS	LPM	1	1	F								CUSP FRAG	4
DBF97	914	SUS	RAD	1	7	L	PNDN	36		DG				SHAFT-DIST CHEWED-JUV	4
DBF97	917	BOS	SKL	1	10	F								FACIAL FRAG	4
DBF97	917	OVCA	FEM	1	2	F								DISTAL SHAFT FRAG	4
DBF97	917	OVCA	RAD	1	10	R								MID AND DISTAL SHAFT	4
DBF97	921	CSZ	UNI	1	3	F				DG				CHEWED FRAG	4
DBF97	921	UNI	UNI	1	0	F			B					CALCINED FRAG	4
DBF97	925	CSZ	UNI	1	2	F								INDET	4
DBF97	925	OVCA	FEM	1	3	F				DG				SHAFT FRAG-POROUS-SL CHEWED	4
DBF97	925	OVCA	MTT	1	11	L								DISTAL HALF SHAFT	4
DBF97	925	OVCA	RAD	1	6	R				DG				PROX SHAFT FRAG-CHEWED	4
DBF97	925	OVCA	TIB	1	14	R		4		DG		SD-11		SHAFT-BOTH ENDS CHEWED	4
DBF97	925	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	925	SSZ	RIB	2	2	F								SHAFT FRAG	4
DBF97	925	SUS	LPM4	1	2	W					H8				4
DBF97	926	BOS	LI	1	2	L								WELL WORN	4
DBF97	926	BOS	SKL	1	9	F									4
DBF97	926	OVCA	HUM	1	8	L		690		DG				DISTAL HALF SHAFT-BOTH ENDS CHEWED	3
DBF97	926	OVCA	TIB	1	8	R		4		DG				MIDSHAFT-POROUS-ENDS CHEWED-JUV	4
DBF97	926	OVCA	UM2	1	6	L					J12			COMPLETE	4
DBF97	928	CSZ	LBF	1	20	F								SHAFT FRAG	4
DBF97	930	OVCA	TIB	1	6	F				DG				DISTAL SHAFT-CHEWED	3
DBF97	930	SSZ	TIB	1	4	F								DISTAL SHAFT FRAG	4
DBF97	930	UNI	UNI	1	1	F								INDET	4
DBF97	939	BOS	MAN	1	231	R		678			gh14112J8K3			FRAGMENTED-23 PIECES	4
DBF97	939	CSZ	LMV	1	12	F		15						FRAG NEURAL ARCH	4
DBF97	939	CSZ	UNI	1	7	F								INDET	4
DBF97	939	CSZ	UNI	2	4	F								INDET	4
DBF97	939	OVCA	UM2	1	5	R					J13			CUSP BROKEN	4
DBF97	939	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	946	BOS	ATL	1	24	L								LATERAL FRAG	4
DBF97	946	BOS	LPM3	1	6	L					G12			COMPLETE	4
DBF97	946	BOS	MAN	1	26	R		23						DIASTEMAL FRAG	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation	
DBF97	946	BOS	PH2	1	15	R	PF	12		DG				CHEWED	4	
DBF97	946	BOS	ULN	1	55	R	PN	23						PROX EPI LOST	4	
DBF97	946	CSZ	LBF	1	9	F								SHAFT FRAG	4	
DBF97	946	CSZ	LBF	1	11	F				DG				CHEWED SHAFT FRAG	3	
DBF97	946	OVCA	FEM	1	4	R		4						MID AND DISTAL SHAFT FRAG	4	
DBF97	946	OVCA	HUM	1	8	L		69		DG				DISTAL SHAFT-DISTAL END CHEWED OFF	4	
DBF97	946	OVCA	TIB	1	26	L		4		DG				SHAFT-BOTH ENDS CHEWED	4	
DBF97	946	SSZ	LBF	4	6	F								SHAFT FRAG	4	
DBF97	946	SSZ	RIB	1	1	F								SHAFT FRAG	4	
DBF97	947	CSZ	LBF	1	6	F								SHAFT FRAG	4	
DBF97	959	CSZ	LBF	1	1	F								SHAFT FRAG	4	
DBF97	959	CSZ	UNI	1	2	F								INDET	4	
DBF97	960	SSZ	LBF	1	1	F								SHAFT FRAG	4	
DBF97	961	BOS	INN	1	41	L	EF	9						ILIAL FRAG ACETABULUM	4	
DBF97	962	SUS	LMV	2	8	F	EN	4						CENTRUM AND FRAGS ARCH-UNFUSED-PIGLET-SAME ANIMAL	4	
DBF97	966	CSZ	CEV	1	36	L	CFEF	24	CH					CENTRUM-CHOPPED DOWN MIDDLE	4	
DBF97	966	CSZ	UNI	1	6	F								INDET	4	
DBF97	966	OVCA	PH1	2	4	L	PN	2						EPI LOST	4	
DBF97	966	OVCA	SKL	1	4	F								DORSAL OCCIPITAL FRAG	4	
DBF97	966	OVCA	TIB	1	6	L				DG				DIST MIDSHAFT-DISTAL CHEWED	4	
DBF97	966	OVCA	TIB	1	5	L				DG				SPLIT MIDSHAFT-CHEWED	4	
DBF97	966	SSZ	LBF	1	2	F								SHAFT FRAG	4	
DBF97	966	SSZ	LBF	3	3	F								SHAFT FRAG	4	
DBF97	966	SSZ	RIB	1	1	F								SHAFT FRAG	4	
DBF97	966	UNI	UNI	2	1	F								INDET	4	
DBF97	967	CSZ	LBF	2	4	F								SHAFT FRAG	4	
DBF97	967	CSZ	UNI	2	5	F								SHAFT FRAG	4	
DBF97	967	OVCA	AST	1	4	R		1				L1-25.2 L2-24.2 Bp-18.1 Bd-15.8 Dd-12		COMPLETE	4	
DBF97	967	OVCA	HYD	1	1	W										4
DBF97	967	SSZ	CEV	1	1	F								ZYGAPOPHYSIS-POROUS-JUV	4	
DBF97	967	SSZ	LBF	4	3	F								SHAFT FRAG	4	
DBF97	967	SUS	INN	1	2	L	EN	7						ISCHIAL SHAFT-PIGLET	4	
DBF97	967	SUS	PH1	1	1	R	PN	2						EPI LOST-PIGLET	4	
DBF97	967	SUS	TIB	1	3	F								SHAFT FRAG	4	



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	967	UNI	UNI	3	2	F								INDET	4
DBF97	968	BOS	LI	1	2	F								BROPKEN CUSP	4
DBF97	968	BOS	LM	1	7	F								CUSP-UNWORN-M2/3	4
DBF97	968	BOS	MTC	1	27	R	DF	45						SPLIT DISTAL END	4
DBF97	968	BOS	MTC	1	7	F								POST SHAFT FRAG	4
DBF97	968	BOS	MTT	1	40	R	DF	345				Bd-46.7 Dd-26		DISTAL END	4
DBF97	968	BOS	PH1	1	15	R	PF	12						COMPLETE	4
DBF97	968	BOS	SCP	1	10	R								FRAG CAUDAL MARGIN OF BLADE	4
DBF97	968	BOS	SKL	1	7	F								BASAL FRAG	4
DBF97	968	BOS	SKL	1	5	F								PALATAL FRAG	4
DBF97	968	BOS	SKL	1	5	F								BASAL FRAG	4
DBF97	968	BOS	UM2	1	24	R					J12			COMPLETE	4
DBF97	968	CSZ	LBF	3	32	F								SHAFT FRAG	4
DBF97	968	CSZ	LBF	10	41	F								SHAFT FRAG	4
DBF97	968	CSZ	MAN	1	4	F								FRAG ASC RAMUS	4
DBF97	968	CSZ	MAN	1	12	F								FRAG	4
DBF97	968	CSZ	RIB	1	2	F								PROX FRAG	4
DBF97	968	CSZ	RIB	4	13	F								SHAFT FRAG	4
DBF97	968	CSZ	RIB	4	28	F			DG					SHAFT FRAG-CHEWED	4
DBF97	968	CSZ	UNI	1	3	F								INDET	4
DBF97	968	CSZ	UNI	3	5	F								INDET	4
DBF97	968	CSZ	UNI	1	6	F								INDET	3
DBF97	968	OVCA	FEM	1	4	L	DN	4						DISTAL SHAFT FRAG-POROUS	3
DBF97	968	OVCA	LM3	1	5	R					K6			COMPLETE	4
DBF97	968	OVCA	MTT	1	5	F								MIDSHAFT	4
DBF97	968	OVCA	PH1	1	2	L	PF	12						SL DAMAGE	4
DBF97	968	OVCA	PH1	1	1	R	PN	2						PROX EPI LOST	4
DBF97	968	OVCA	RAD	1	4	F								MIDSHAFT- 2 PIECES	4
DBF97	968	OVCA	RAD	1	2	F								MIDSHAFT-SMALL-LAMB	3
DBF97	968	OVCA	TIB	1	11	R	DF	567				Bd-25.9 Dd-19.8		DISTAL THIRD	4
DBF97	968	OVCA	TIB	1	8	R			DG					DIST MIDSHAFT-DIST CHEWED- 2 PIECES	4
DBF97	968	OVCA	ULN	1	1	F								MIDSHAFT FRAG	3
DBF97	968	OVCA	UM2	1	3	L					J9			3 PIECES	3
DBF97	968	SSZ	LBF	1	3	F								MIDSHAFT FRAG	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	968	SSZ	LBF	1	1	F								SHAFT FRAG-POROUS	4
DBF97	968	SSZ	LBF	10	15	F								SHAFT FRAG	4
DBF97	968	SSZ	LBF	2	1	F								SHAFT FRAG	3
DBF97	968	SSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	968	SSZ	SCP	1	2	F								BLADE AND SPINE FRAG	4
DBF97	968	SUS	LI	1	2	F								SPLIT-2 PIECES	3
DBF97	968	SUS	MAN	1	11	R					J7K2			FRAG WITH M2-M3 LOST BUT UNDER BONE	4
DBF97	968	SUS	MAN	1	4	F								LATERAL FRAG HORN RAMUS	3
DBF97	968	SUS	SCP	1	11	L		35		DG				DISTAL BLADE AND NECK-GLENOID CHEWED OFF	4
DBF97	968	SUS	ULN	1	7	F				DG				PROX SHAFT-HEAVILY CHEWED	4
DBF97	968	UNI	UNI	13	4	F								SHAFT FRAG	4
DBF97	968	UNI	UNI	3	2	F								INDET	4
DBF97	969	OVCA	RAD	1	11	L				DG				SHAFT-SL CHEWING-2 PIECES	4
DBF97	969	OVCA	TIB	1	8	L				DG				DISTAL SHAFT-DISTAL END HEAVILY CHEWED	4
DBF97	969	SSZ	LBF	3	6	F								SHAFT FRAG	4
DBF97	969	SUS	LC	1	8	R								MALE	4
DBF97	969	UNI	UNI	2	1	F								INDET	4
DBF97	969	UNI	UNI	1	3	F								INDET	4
DBF97	969	UNI	UNI	1	2	F								INDET	4
DBF97	971	OVCA	HUM	1	15	L	DF	60				SD-11.2		SHAFT-SMALL GRACILE	4
DBF97	971	OVCA	RAD	1	12	L	PF	123				Bp-26.8		PROX END AND SHAFT- 3 PIECES	4
DBF97	971	OVCA	TIB	1	9	R				DG				DISTAL HALF SHAFT-DISTAL END CHEWED OFF	4
DBF97	971	SSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	971	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	971	SUS	SCP	1	6	R		5						DISTAL CAUDAL MARGIN OF BLADE	4
DBF97	971	UNI	UNI	1	0	F								INDET	4
DBF97	983	OVCA	HUM	1	3	R	DF	8		DG				LATERAL FRAG DISTAL END	4
DBF97	983	OVCA	TIB	1	8	R				DG				DISTAL THIRD SHAFT-DIST ED CHEWED	4
DBF97	985	OVCA	AST	1	5	R		1				L1-26.5 L2-25.5 Bp-17.2 Bd-16.8 Dd-12.8		COMPLETE	4
DBF97	985	OVCA	MAN	1	2	R		2						DIASTEMAL FRAG WITH LPM2	4
DBF97	985	OVCA	UM2	1	3	R					J12			COMPLETE	4
DBF97	985	OVCA	UM3	1	5	L					K7				4
DBF97	985	SSZ	RIB	1	0	F								SHAFT FRAG	4
DBF97	985	SUS	MAX	1	29	L					J7K5	LM3-32		FRAG WITH M2 AND 3	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	985	UNI	UNI	2	1	F								INDET	4
DBF97	986	BOS	HUM	1	68	R		59						PROX SHAFT	4
DBF97	988	OVCA	TIB	1	14	L	DN	7						DISTAL HALF SHAFT	4
DBF97	991	BOS	HUM	1	19	F								SHAFT FRAG	4
DBF97	991	BOS	HUM	1	16	F		0						SHAFT FRAG	4
DBF97	991	BOS	LM	1	2	F								CUSP FRAG	4
DBF97	991	BOS	MAN	1	10	R								VENTRAL FRAG HORI RAMUS	4
DBF97	991	BOS	MAN	1	18	L		5						CONDYLE	4
DBF97	991	BOS	MTT	1	8	F								SHAFT FRAG	4
DBF97	991	BOS	PH1	1	6	R	PN							PROX SHAFT - 2 PIECES	4
DBF97	991	BOS	TIB	1	103	L	DF	567						DISTAL THID-EPIPHYSIS DAMAGED	4
DBF97	991	BOS	ULN	1	3	F								SHAFT FRAG	4
DBF97	991	BOS	UM2	1	32	L					J15			COMPLETE	4
DBF97	991	BOS	UM2	1	30	L					J11			ROOTS BROKEN	4
DBF97	991	BOS	UM3	1	27	R					K15			ROOTS BROKEN	4
DBF97	991	BOS	UPM3	1	12	L					G12			COMPLETE	4
DBF97	991	CSZ	LBF	1	9	F			DG					SHAFT FRAG-CHEWED	4
DBF97	991	CSZ	LBF	1	10	F								SHAFT FRAG	4
DBF97	991	CSZ	LBF	1	16	F								SHAFT FRAG - 2 PIECES	4
DBF97	991	CSZ	LBF	12	64	F								SHAFT FRAG	4
DBF97	991	CSZ	RIB	2	9	F								SHAFT FRAG	4
DBF97	991	CSZ	UNI	2	3	F								FRAG	4
DBF97	991	CSZ	UNI	6	11	F								INDET	4
DBF97	991	OVCA	HUM	1	4	L								DISTAL SHAFT FRAG	4
DBF97	991	OVCA	LM2	1	4	R					J12			CUSP BROKEN	4
DBF97	991	OVCA	MTT	1	2	F								MIDSHAFT FRAG	4
DBF97	991	OVCA	MTT	1	2	F								SHAFT FRAG	4
DBF97	991	OVCA	MTT	1	3	F			DG					PROX SHAFT FRAG-PROX END CHEWED	4
DBF97	991	OVCA	RAD	1	7	L		3	DG					SHAFT-BOTH ENDS CHEWED	4
DBF97	991	OVCA	RAD	1	3	L		3						SPLIT SHAFT FRAG	4
DBF97	991	OVCA	RAD	1	2	R								PROX SHAFT FRAG	4
DBF97	991	OVCA	SKL	1	0	L								PREMAXILLA	4
DBF97	991	OVCA	TIB	1	8	F								MID-DISTAL SHAFT	4
DBF97	991	OVCA	UM	1	4	R				J				BROKEN CUSP	4



site	Cont.	species	bone	No.	Wt. g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	991	OVCA	UM1	1	1	F								BROKEN CUSPS	4
DBF97	991	OVCA	UM3	1	6	R					K12			COMPLETE	4
DBF97	991	SSZ	LBF	1	3	F								SHAFT FRAG	4
DBF97	991	SSZ	LBF	11	12	F								SHAFT FRAG	4
DBF97	991	SSZ	LBF	3	5	F								SHAFT FRAG	4
DBF97	991	SSZ	LBF	2	7	F								SHAFT FRAG	4
DBF97	991	SSZ	MAN	1	4	F								FRAG ASC RAMUS	4
DBF97	991	SUS	LMV	1	15	F	CNAN	145						CENTRUM AND ARCH	4
DBF97	991	SUS	TIB	1	8	L		4						PROX SHAFT FRAG	4
DBF97	991	UNI	UNI	4	1	F								INDET	4
DBF97	991	UNIB	LBF	2	1	F								SHAFT FRAG-CKSZ OR BIGGER	4
DBF97	993	BOS	FEM	1	13	R		4						DISTAL SHAFT FRAG	4
DBF97	993	BOS	PH2	1	13	R	PF	12						COMPLETE	4
DBF97	993	BOS	SCP	1	36	L		1						PROX PART OF BLADE	4
DBF97	993	BOS	SKL	1	4	L								SUPRA-ORBITAL FRAG-POROUS-CALF	4
DBF97	993	CSZ	LBF	2	16	F			B					CALCINED SHAFT FRAG	4
DBF97	993	CSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	993	CSZ	RIB	1	25	R								PROX HALF SHAFT	4
DBF97	993	CSZ	SKL	1	2	F								DORSAL FRAG CRANIUM	4
DBF97	993	CSZ	UNI	1	5	F								INDET	4
DBF97	993	GOOS	FIB	1	0	F								DISTAL HALF	4
DBF97	993	GOOS	TIB	1	5	R					Bp-26.2			PROX HALF	4
DBF97	993	SSZ	LBF	1	4	F			DG					SHAFT FRAG-CHEWED	4
DBF97	993	SSZ	LBF	1	3	F								SHAFT FRAG	4
DBF97	993	SSZ	LBF	2	4	F								SHAFT FRAG	4
DBF97	993	SSZ	LBF	2	3	F								SHAFT FRAG	4
DBF97	993	SSZ	TRV	1	3	F	EN	5						NEURAL ARCH-CENTRUM UNFUSED-POSS PIG	4
DBF97	993	UNI	INN	1	5	R		2						ANT ILIUM-POROUS-JUV-POSS PIG	4
DBF97	995	BOS	MAN	1	22	L					h12			FRAG RAMUS WITH DLP4	4
DBF97	995	BOS	SAC	1	83	F	CFAF	45		DG				PARTS FIRST 2 SACRAL VERTS-CHEWED AND BROKEN	4
DBF97	995	BOS	SCP	1	21	F				DG				FRAG CAUDAL MARGIN OF BLADE-CHEWED AND ERODED	3
DBF97	995	CSZ	LBF	1	3	F								SHAFT FRAG	4
DBF97	995	CSZ	RIB	1	1	F								SPLIT SHAFT FRAG	4
DBF97	995	CSZ	RIB	1	36	F			KN	DG				SHAFT FRAG-CUT AND CHEWED	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	995	CSZ	RIB	1	9	R			KN					PROX SHAFT-DISTAL CUT	4
DBF97	995	OVCA	INN	1	10	R	EF	459		DG				ACETABULUM-ILIUM AND ISCHIUM CHEWED OFF	4
DBF97	995	OVCA	MTC	1	6	L								SHAFT WITH SMALL PART PROX END	4
DBF97	995	SSZ	RIB	2	3	F								SHAFT FRAG	4
DBF97	995	SUS	MC4	1	6	L	DN	12						DISTAL EPI LOST	4
DBF97	997	BOS	MTT	1	26	F				DG				SPLIT DISTAL SHAFT-DIST END CHEWED	4
DBF97	997	CSZ	RIB	1	1	F								SPLIT SHAFT FRAG	4
DBF97	997	OVCA	LM2	1	3	L					J12			COMPLETE	4
DBF97	997	OVCA	SKL	1	4	L								ZYGOMATIC FRAG	4
DBF97	997	OVCA	TIB	1	3	F				DG				DISTAL SHAFT-ENDS CHEWED	4
DBF97	1003	CSZ	LBF	2	3	F			B					CALCINED SHAFT FRAG	4
DBF97	1003	OVCA	MAN	1	3	R		5						CORONOID	4
DBF97	1003	OVCA	RAD	1	2	L	PF	1						PART PROX END	4
DBF97	1003	OVCA	TIB	1	35	R	DF	4567		DG		SD-14 Bd-26.6 Dd-19.3		SHAFT AND DISTAL END-BOTH END SL CHEWED- 2 PIECES	4
DBF97	1003	SSZ	LBF	2	1	F								SHAFT FRAG	4
DBF97	1003	SSZ	LBF	1	1	F			B					CALCINED SHAFT FRAG	4
DBF97	1003	UNI	UNI	1	1	F			B					CALCINED FRAG	4
DBF97	1004	GOOS	ULN	1	4	R								PROX HALF SHAFT	4
DBF97	1007	BOS	AST	1	44	L		1				L1-58 L2-52.3 Bp-33.3 Bd-36.3 Dd 29 GL-116.2		COMPLETE-ADULT	4
DBF97	1007	BOS	CAL	1	60	L	PF	123						COMPLETE-SAME JOINT AS ASTRAGALUS	4
DBF97	1007	BOS	MAN	1	10	R		6						POST HORI RAMUS AND ANGLE-CALF	4
DBF97	1007	BOS	MAN	1	13	R					h11				4
DBF97	1007	BOS	MAX	1	42	R					GH12			ANT PORTION MAXILLARY TOOTH ROW	4
DBF97	1007	BOS	SKL	1	157	L					J15K15			ZYGOMATIC AND POST MAXILLA- 8 PIECES	4
DBF97	1007	BOS	ULN	1	2	F								SHAFT FRAG	4
DBF97	1007	CSZ	RIB	1	11	F								PROX SHAFT FRAG- 2 PIECES	4
DBF97	1007	CSZ	RIB	1	3	F								SHAFT FRAG	4
DBF97	1007	CSZ	RIB	1	7	F	PF	1						PROX END- 2 PIECES-EQU?	4
DBF97	1007	CSZ	RIB	3	77	F								SHAFT FRAG	4
DBF97	1007	CSZ	SKL	1	2	F								INDET	4
DBF97	1007	CSZ	TRV	1	6	F								BASE SPINE FRAG	4
DBF97	1007	CSZ	UNI	2	4	F								INDET	4
DBF97	1007	CSZ	UNI	1	23	F								POSS EQU MAN OR LBF	4
DBF97	1007	GOOS	STN	2	4	F								ANT FRAG- AT LEAST 3 GEESE IN THIS CONTEXT	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1007	GOOS	STN	1	2	F								ANT FRAG- 2 PIECES	4
DBF97	1007	OVCA	HUM	1	24	L	DF	6789				BT-30 HT-18.7 SD-13.8		DISTAL HALF	4
DBF97	1007	SSZ	LBF	2	5	F								SHAFT FRAG	4
DBF97	1007	SSZ	LBF	1	4	F								SHAFT FRAG	4
DBF97	1007	UNI	UNI	10	4	F								INDET	4
DBF97	1009	OVCA	MAN	1	16	L					112J9K3			FRAGMENTED- 9 PIECES	4
DBF97	1009	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	1010	BOS	HUM	1	59	L		6						DISTAL SHAFT FRAG	3
DBF97	1010	CSZ	LBF	1	3	F								SHAFT FRAG	4
DBF97	1010	CSZ	LBF	1	3	F			B					CALCINED SHAFT FRAG- 2 PIECES	4
DBF97	1010	OVCA	MAX	1	5	L		0			fg12h11			DP4 LOOSE	4
DBF97	1010	OVCA	MTC	1	3	F								MIDSHAFT FRAG	4
DBF97	1010	OVCA	MTC	1	4	F			KN					SHAFT FRAG WITH KNIFE CUTS	4
DBF97	1010	OVCA	MTC	1	7	F				DG				MIDSHAFT-DISTAL END CHEWED	4
DBF97	1010	SSZ	FEM	1	3	F								SHAFT FRAG	4
DBF97	1010	SSZ	INN	1	3	F				DG				FRAG-CHEWED	4
DBF97	1010	SSZ	LBF	1	3	F				DG				SHAFT FRAGOCHEWED	4
DBF97	1010	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	1010	SSZ	LBF	1	2	F				DG				SHAFT FRAG-CHEWED	4
DBF97	1010	SSZ	LBF	3	4	F								SHAFT FRAG	4
DBF97	1010	SSZ	LBF	1	0	F								SHAFT FRAG-POROUS-JUV	4
DBF97	1010	SSZ	RIB	3	4	F								SHAFT FRAG	4
DBF97	1010	SSZ	TIB	1	4	R								MIDSHAFT FRAG	4
DBF97	1010	SUS	MAN	1	3	R		7			J3K0			ANT FRAG ASC RAMUS-TEETH LOST	4
DBF97	1010	UNI	UNI	2	1	F								INDET	4
DBF97	1017	BOS	MAN	1	11	F		4						CORONOID	4
DBF97	1017	BOS	MAN	1	7	F								VENTRAL FRAG HORI RAMUS	4
DBF97	1017	BOS	MAN	1	16	F								VENTRAL FRAG HORI RAMUS	4
DBF97	1017	BOS	PH1	1	23	R	PF	12	CH					COMPLETE-PROX ARTCI CHOPPED OBLIQUELY	4
DBF97	1017	BOS	UM2	1	30	R					J14			ROOTS BROKEN	4
DBF97	1017	CSZ	HUM	1	12	L			CH					DISTAL SHAFT FRAG-CHOPPED	4
DBF97	1017	CSZ	LBF	2	24	F								SHAFT FRAG	4
DBF97	1017	CSZ	RIB	1	37	L								PROX SHAFT	4
DBF97	1017	CSZ	RIB	1	6	F								SHAFT FRAG	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1017	CSZ	RIB	1	23	F				DG				SHAFT FRAG-BOTH ENDS CHEWED	4
DBF97	1017	CSZ	SCP	1	10	L								CRANIAL MARGIN-SMALL-FINE	4
DBF97	1017	CSZ	SCP	1	6	F								DISTAL BLADE FRAG	4
DBF97	1017	OVCA	MAN	1	38	L		7			GH9I12J10K6			WEAR ON M3 ALTHOUGH NOT COMPLETELY THRU BONE	4
DBF97	1017	OVCA	MTT	1	7	F								MIDSHAFT	4
DBF97	1017	UNI	UNI	1	1	F								INDET	4
DBF97	1019	BOS	INN	1	17	L	EF	4	B					POST FRAG ACETABULAR REGION- 2 PIECES-CHARRED BLACK	4
DBF97	1019	BOS	TTH	1	2	F								ENAMEL FRAG-UNWORN COLUMN	4
DBF97	1019	BOS	UM	1	6	F								ENAMEL FRAG	4
DBF97	1019	BOS	UM2	1	37	R					J12			COMPLETE	4
DBF97	1019	CSZ	LBF	5	23	F								SHAFT FRAG	4
DBF97	1019	CSZ	LBF	1	8	F								SHAFT FRAG-HUMERUS?	4
DBF97	1019	CSZ	LMV	1	15	L	AN							LATERAL FRAG	4
DBF97	1019	CSZ	TIB	1	17	R								PROX SHAFT FRAG	4
DBF97	1019	CSZ	UNI	2	4	F								INDET	4
DBF97	1019	EQU	FEM	1	19	R								MIDSHAFT FRAG	4
DBF97	1019	OVCA	TIB	1	16	R		4		DG				MIDSHAFT-DISTAL CHEWED	4
DBF97	1019	SSZ	LBF	1	3	F								SHAFT FRAG-2 PIECES	4
DBF97	1019	SSZ	LBF	1	6	F								SHAFT FRAG-PIG SIZE	4
DBF97	1019	SSZ	RIB	1	2	F								SHAFT FRAG	4
DBF97	1019	SSZ	TRV	1	3	F		1		DG				BASLA HALF SPINE-DORSAL CHEWED	4
DBF97	1019	SUS	SKL	1	2	L		5						FRAG FRONTAL	4
DBF97	1019	UNI	SKL	1	2	F								INDET	4
DBF97	1020	CSZ	LBF	1	6	F								SHAFT FRAG	4
DBF97	1020	CSZ	RIB	1	16	F				DG				SHAFT FRAG-END CHEWED	4
DBF97	1020	OVCA	MAN	1	25	R		2			fgH15I11JK2			ANT RAMUS- M2 BROKEN-CRYPT FOR M3	4
DBF97	1020	SSZ	RIB	2	6	L								SHAFT	4
DBF97	1022	BOS	HUM	1	20	F		0						MIDSHAFT FRAG	4
DBF97	1022	CSZ	RIB	1	3	F								SPLIT SHAFT FRAG	4
DBF97	1022	CSZ	TTH	1	3	F								ENAMEL FRAG-HORES?	4
DBF97	1022	OVCA	MAN	1	12	R	4578							ASCENDING RAMUS WITH M3 UP BUT LOST	4
DBF97	1022	OVCA	MAN	1	4	L		47						ANT ASC RAMUS WITH CORONOID- 2 PIECES	4
DBF97	1022	OVCA	MTC	1	6	F				DG				MIDSHAFT-DIST SL CHEWED	4
DBF97	1022	OVCA	TIB	1	20	R		47				SD-12.3		SHAFT	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1022	SSZ	LBF	2	1	F								SHAFT FRAG	4
DBF97	1022	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	1022	SSZ	MAN	1	1	R								ANT FRAG ASC RAMUS	4
DBF97	1022	SUS	MAN	1	21	L		7			K8	LM3-32.7		POST HORI RAMUS WITH M3	4
DBF97	1022	SUS	SCP	1	12	R		45		DG				DISTAL BLADE- 3 PIECES-CHEWED	4
DBF97	1022	SUS	TIB	1	9	R								PROX SHAFT FRAG- 3 PIECES	4
DBF97	1022	UNI	UNI	2	0	F								INDET	4
DBF97	1022	UNI	UNI	2	0	F								INDET CALCINED FRAG	4
DBF97	1024	SSZ	LBF	1	1	F								SHAFT FRAG-POROUS	4
DBF97	1024	SSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	1025	OVCA	CAL	1	2	L	PN			DG				PROX SHAFT-CHEWED	4
DBF97	1027	BOS	MAN	1	600	R		12345678			GH12I15J14K12	7-128.5 11-113 15A-71.2 15B-17.7.2.118.8.8.82.4		COMPLETE-4 PIECES- PM2 CONGENITALLY ABSENT	4
DBF97	1027	BOS	RAD	1	20	R	DF	5						FRAGMENT OF DISTAL END	4
DBF97	1027	BOS	SKL	1	833	P		112244889			FGH12I16J15 K15			FRAGMENTED SKULL-MANY FRAGMENTS >100-OTHERS ZONES BUT TOO BROKEN TO IDENTIFY PROX END- 2 PIECES	4
DBF97	1027	GOOS	HUM	1	4	R								SD-13.9 Bd-25.3 Dd-18.4	4
DBF97	1027	OVCA	TIB	1	30	R	DF	4567						SHAFT AND DISTAL END	4
DBF97	1027	OVCA	UM2	1	3	L					J7			POST CUSPS ONLY	4
DBF97	1027	SSZ	TIB	1	2	F								MIDSHAFT-SMALL-POROUS-JUV	4
DBF97	1028	OVCA	LM2	1	2	L					J14			COMPLETE	4
DBF97	1028	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	1038	CSZ	UNI	1	3	F								INDET	4
DBF97	1038	OVCA	MTT	1	15	R		2		DG				SHAFT AND FRAG PROX END-DISTAL CHEWED	4
DBF97	1038	SSZ	TRV	1	1	F		5						BASE SPINE	4
DBF97	1038	SUS	MT2	1	1	L		12						PROX END AND SHAFT	4
DBF97	1038	UNI	UNI	1	1	F								CALCINED FRAG	4
DBF97	1038	UNI	UNI	3	2	F								INDET	3
DBF97	1045	OVCA	LM3	1	6	L					K12			COMPLETE	4
DBF97	1045	SSZ	RIB	1	3	L								SHAFT	4
DBF97	1052	BOS	UM2	1	28	L					J15			COMPLETE	4
DBF97	1052	CSZ	LBF	1	5	F								SHAFT FRAG	4
DBF97	1053	BOS	CEV	1	78	R	CNAN	45	CH					CHOPPED DOWN LEFT SIDE	4
DBF97	1053	BOS	MTT	1	87	L		12		DG				PART PROX END AND SHAFT-PROX CHEWED	4
DBF97	1053	BOS	PH1	1	35	R	PF	12						COMPLETE-ROBUST	4
DBF97	1053	BOS	RAD	1	35	L				DG				DISTAL SHAFT-DIST CHEWED	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1053	CSZ	LBF	1	9	F								SHAFT FRAG	4
DBF97	1053	CSZ	LBF	1	11	F								SHAFT FRAG	4
DBF97	1053	OVCA	MTC	1	15	F				DG		SD13.6		SHAFT-BOTH END CHEWED	4
DBF97	1053	OVCA	MTT	1	9	L		12						PROX HALF-DAMAGED- 3 PIECES	4
DBF97	1054	OVI	SKL	1	31	L		568	CH					PAR AND FRNT-BASE HC- CHOPPED DOWN MIDDLE	4
DBF97	1055	BOS	FEM	1	16	F				DG				CHEWED DISTAL CONDYLE	4
DBF97	1055	BOS	HC	1	187	L						MAXD-58.6 MIND-45.8		TIP LOST	4
DBF97	1055	BOS	LMV	1	44	F	CNAN	45		DG				CENTRUM AND ARCH-HEAVILY CHEWED	4
DBF97	1055	BOS	MAN	1	131	R		45678			fgh12I9J3K0			FRAGMENT RAMUS- 12 PIECES	4
DBF97	1055	BOS	MAN	1	39	L		123						ANT RAMUS-ALVEOLI FOR DP2-4 - 2 PIECES	4
DBF97	1055	BOS	SKL	1	21	F								FACIAL FRAG- 2 PIECES	4
DBF97	1055	BOS	TIB	1	34	L		4						PROX SHAFT FRAG	4
DBF97	1055	BOS	TIB	1	102	L	DF	567				Bd-65.2 Dd-45.9		DISTAL END	4
DBF97	1055	BOS	TRV	1	41	F	CNAN	45						CENTRUM AND NEURAL ARCH	4
DBF97	1055	CER	ANT	1	17	F								CORTEX-2 PIECES-POSS HANDLE?	4
DBF97	1055	CSZ	CEV	1	28	L								LATERAL DORSAL FRAG WITH ANT AND POST ZYGA	4
DBF97	1055	CSZ	LBF	1	7	F								SHAFT FRAG	4
DBF97	1055	CSZ	LBF	1	16	F								SHAFT FRAG- 3 PIECES	4
DBF97	1055	CSZ	LBF	1	15	F								SHAFT FRAG	4
DBF97	1055	CSZ	LBF	4	29	F								SHAFT FRAG	4
DBF97	1055	CSZ	LMV	1	22	F	AN	5						NEURAL ARCH AND FRAG CENTRUM	4
DBF97	1055	CSZ	RIB	1	25	L			CH					1ST RIB-PROX CHOPPED OFF	4
DBF97	1055	CSZ	RIB	2	58	F								SHAFT FRAG	4
DBF97	1055	CSZ	SKL	1	2	F								INDET	4
DBF97	1055	CSZ	SKL	2	3	F								INDET	4
DBF97	1055	CSZ	TRV	1	27	F	CNAN	45	KN					PART CENTRUM AND NEURAL ARCH-CUT ACROSS BASE SPINE	4
DBF97	1055	CSZ	TRV	1	1	F	CN	2						PROX EPI	4
DBF97	1055	CSZ	UNI	1	2	F				DG				INDET-CHEWED	4
DBF97	1055	CSZ	UNI	1	2	F								INDET	4
DBF97	1055	CSZ	VER	1	1	F	AN							FRAG EPI	4
DBF97	1055	CSZ	VER	1	10	F				DG				TRANS PROCESS?-CHEWED	4
DBF97	1055	EQU	MAN	1	22	R		4						FRAG CORONOID	4
DBF97	1055	OVCA	RAD	1	17	R		3		DG				SHAFT BOTH ENDS CHEWED	4
DBF97	1055	OVCA	UM2	1	5	R					J13				4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1055	OVCA	UM2	1	6	L					J12				4
DBF97	1055	SMA	RIB	1	0	L								SHAFT-HARE SIZE	4
DBF97	1055	SSZ	LBF	2	3	F								SHAFT FRAG	4
DBF97	1055	SSZ	RIB	1	5	L								PROX SHAFT	4
DBF97	1055	SSZ	VER	1	6	F	CNAN	4						CENTRUM-PIG SACRAL?	4
DBF97	1055	UNI	UNI	9	6	F								INDET	4
DBF97	1058	CSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	1058	SUS	SKL	1	11	L								PARIETAL FRAG-POROUS-SMALL-JUV	4
DBF97	1060	BOS	SCP	1	65	L	DF	123				GLP-59.8 BG-41.4		GLENOID AND PART OF NECK	4
DBF97	1060	OVCA	LM2	1	4	R					J10				4
DBF97	1060	OVCA	MAN	1	7	L		478						ASC RAMUS FRAGMENT	4
DBF97	1060	OVCA	MTT	1	7	F				DG				SPLIT SHAFT-DISTAL END CHEWED-POROUS	4
DBF97	1060	OVCA	ULN	1	1	F								SHAFT FRAG	4
DBF97	1060	SSZ	LBF	2	1	F								SHAFT FRAG	4
DBF97	1060	SSZ	RIB	1	10	L			KN					1ST RIB-PROX END CUT	4
DBF97	1060	SSZ	SKL	1	2	F								FRAG	4
DBF97	1060	UNI	UNI	3	5	F								INDET	4
DBF97	1067	OVCA	LM1	1	0	R					I14			COMPLETE	4
DBF97	1067	OVCA	LM2	1	2	R					J12			COMPLETE-POSS SAME ANIMAL AS ABOVE M1	4
DBF97	1067	OVCA	MTT	1	13	L		12		DG				PROX HALF-PROX END SL CHEWED	4
DBF97	1067	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	1067	SSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	1068	OVCA	MAX	1	11	R					h14I12J8			LOOSE TEETH	4
DBF97	1068	OVCA	MAX	1	5	L					J8K			LOOSE TEETH CUSP OF M3 UNWORN	4
DBF97	1068	OVCA	SKL	1	1	R								ZYGOMATIC	4
DBF97	1068	SSZ	SKL	1	0	F								CRANIAL VAULT FRAG	4
DBF97	1070	CSZ	LMV	1	4	F								POST FRAG NEURAL ARCH	4
DBF97	1074	SSZ	RIB	1	1	L								SHAFT-1ST RIB	4
DBF97	1074	SSZ	TRV	1	1	F		1						SPINE	4
DBF97	1080	BOS	SCP	1	53	L		2		DG				GLENOID AND PART NECK	4
DBF97	1080	EQU	CAL	1	11	R		2						TUBER ONLY	4
DBF97	1080	EQU	FEM	1	40	F		8						PROX SHAFT-7 PIECES	4
DBF97	1080	OVCA	TIB	1	8	L				DG				DISTAL SHAFT-DIST CHEWED	4
DBF97	1081	BOS	HUM	1	166	L	DF	6789				BT-72.5		DISTAL END- 8 PIECES	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1081	BOS	TIB	1	59	L	PF	3		DG				PART PROX END-CHEWED	4
DBF97	1081	CSZ	HUM	1	30	F								PROX SHAFT FRAG	4
DBF97	1081	CSZ	LBF	1	12	F								SHAFT FRAG	4
DBF97	1081	CSZ	UNI	1	3	F								INDET	4
DBF97	1081	EQU	MPL	1	2	F								DISTAL END LATERAL MP	4
DBF97	1081	EQU	TRV	1	11	F		1						SPINE	4
DBF97	1081	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	1081	SSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	1081	SUS	LI	1	2	F								NO WEAR-ROOT LOST	4
DBF97	1082	BOS	MAX	1	74	L					J12K11			FRAGMENTED- 14 PIECES	4
DBF97	1082	CSZ	LBF	3	20	F								SHAFT FRAG	4
DBF97	1082	CSZ	RIB	2	9	F								SHAFT FRAG	4
DBF97	1082	CSZ	RIB	1	10	R								PROX SHAFT FRAG	4
DBF97	1082	EQU	FEM	1	57	R		48		DG				DISTAL AND MIDSHAFT- 5 PIECES-DIST HEAVILY CHEWED	4
DBF97	1082	OVCA	HUM	1	1	L								DISTAL SHAFT FRAG	4
DBF97	1082	OVCA	LM	1	1	F								M1? WORN	4
DBF97	1082	OVCA	LPM4	1	0	R					H6			UNWORN	4
DBF97	1082	OVCA	MAN	1	4	F								FRAG HORI RAMUS- 3 PIECES	4
DBF97	1082	OVCA	MTT	1	1	F		2						PROX FRAG	4
DBF97	1082	OVCA	TIB	1	9	F								DISTAL SHAFT	4
DBF97	1082	OVCA	TIB	1	5	L								DISTAL SHAFT	4
DBF97	1082	OVCA	ULN	1	1	F								SHAFT FRAG	4
DBF97	1082	SSZ	HUM	1	2	F								SHAFT FRAG	4
DBF97	1082	SSZ	LBF	8	11	F								SHAFT FRAG	4
DBF97	1082	SSZ	LBF	2	3	F								SHAFT FRAG	4
DBF97	1082	SSZ	LBF	1	1	F			B					CALCINED SHAFT FRAG	4
DBF97	1083	BOS	CAL	1	19	R				DG				PROX SHAFT-HEAVILY CHEWED	3
DBF97	1084	CSZ	TRV	1	27	F		1						BASAL HALF SPINE	4
DBF97	1084	OVCA	TIB	1	21	L	DF	4567		DG		SD-12.3 Bd-22.9 Dd-17		DISTAL END AND SHAFT- 3 PIECES	4
DBF97	1084	SSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	1093	BOS	LM2	1	14	L					J9			ROOTS BROKEN	4
DBF97	1093	SSZ	RIB	1	3	L			CH					SHAFT-PROX END CHOPPED- 2 PIECES	4
DBF97	1099	SSZ	RIB	1	0	F								SPLIT SHAFT FRAG	4
DBF97	1102	EQU	INN	1	8	L								ISCHIAL FRAG ACETAB	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1103	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	1104	OVCA	SKL	1	3	F								BASI-OCCIPITAL	4
DBF97	1104	SSZ	LBF	2	2	F								SHAFT FRAG	4
DBF97	1104	SUS	HUM	1	7	L	PNDN	5690						SHAFT-PIGLET	4
DBF97	1105	BOS	CAL	1	12	L				DG				ANT PROX SHAFT FRAG-PROX CHEWED	4
DBF97	1105	BOS	LI	1	3	R								WELL WORN	4
DBF97	1105	BOS	MAN	1	8	F								VENTRAL FRAG HORI RAMUS	4
DBF97	1105	BOS	MTT	1	16	F								DISTAL SHAFT FRAG	4
DBF97	1105	CSZ	LBF	1	1	F			B					CHARRED SHAFT FRAG	4
DBF97	1105	CSZ	LBF	5	26	F								SHAFT FRAG	4
DBF97	1105	CSZ	RIB	1	4	F								SHAFT FRAG - 3 PIECES	4
DBF97	1105	OVCA	FEM	1	15	L	PF	123						PROX HALF-DAMAGED	4
DBF97	1105	OVCA	MAN	1	3	R		23						DIASTEMAL FRAG- 2 PIECES	4
DBF97	1105	OVCA	MTT	1	1	F								ANT MIDSHAFT FRAG	4
DBF97	1105	OVCA	RAD	1	3	L								POST SHAFT FRAG	3
DBF97	1105	OVCA	TIB	1	8	R						SD-13.7		DISTAL SHAFT - 2 PIECES	4
DBF97	1105	OVCA	TIB	1	5	R				DG				PROX SHAFT FRAG-CHEWED	4
DBF97	1105	OVCA	UM2	1	6	R					J12			COMPLETE	4
DBF97	1105	SSZ	LBF	7	8	F								SHAFT FRAG	4
DBF97	1105	SSZ	LBF	1	3	F								SHAFT FRAG	4
DBF97	1105	SSZ	RIB	1	2	F								SHAFT FRAG - 4 PIECES	4
DBF97	1105	UNI	UNI	4	2	F								INDET	4
DBF97	1109	CSZ	SKL	1	3	F								VENTRAL FRAG	4
DBF97	1109	OVCA	MTC	1	10	L		12	KN			Bp-19 Dp-14.2 SD-11.1		PROX END AND SHAFT-CUT AROUND PROX ARTIC	4
DBF97	1109	OVCA	MTT	1	4	F				DG				SPLIT SHAFT-DIST SL CHEWED	4
DBF97	1109	SUS	MAN	1	5	R								POST VENTRAL FRAG RAMUS-POROUS	3
DBF97	1120	BOS	DUP3	1	4	L					g6			NO WEAR	4
DBF97	1120	BOS	MAN	1	20	R		13						DIASTEMAL FRAG	4
DBF97	1120	BOS	PH1	1	12	R	PF	12		DG				SEVERELY CHEWED	4
DBF97	1120	CSZ	RIB	1	15	L								SHAFT FRAG	4
DBF97	1120	CSZ	TIB	1	12	F				DG				PROX SHAFT FRAG- SL CHEWED	4
DBF97	1120	SSZ	LBF	1	1	F			B					CALCINED SHAFT FRAG	4
DBF97	1120	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	1120	SSZ	LBF	1	3	F				DG				SHAFT FRAG-CHEWED	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1122	OVCA	UPM4	1	1	R					H7				4
DBF97	1123	BOS	MTC	1	19	F								LATERAL SHAFT FRAG	4
DBF97	1123	BOS	TRV	1	47	F	CNAN	145						CENTRUM AND ARCH- 2 PIECES	4
DBF97	1123	CSZ	LBF	1	2	F			B					CALCINED SHAFT FRAG	4
DBF97	1123	CSZ	LBF	2	6	F								SHAFT FRAG	4
DBF97	1123	CSZ	LBF	1	6	F								SHAFT FRAG	4
DBF97	1123	EQU	PH3	1	27	W						GB-60		COMPLETE	4
DBF97	1123	MAN	MC5	1	2	L								PROX END	4
DBF97	1123	OVCA	MTC	1	1	F								MIDSHAFT FRAG	4
DBF97	1123	OVCA	RAD	1	3	F				DG				MIDSHAFT FRAG-SL CHEWED	4
DBF97	1123	SSZ	UNI	1	4	F				DG				INDET	4
DBF97	1123	UNI	LBF	1	0	F								SHAFT FRAG-VERY THIN- 2 PIECES	4
DBF97	1126	BOS	HUM	1	186	R	DF	6789	KN			BT-69 HT-38.8		DISTAL HALF-SL DAMAGE-SHAFT CUT	5
DBF97	1126	CSZ	LBF	1	10	F								SHAFT FRAG	4
DBF97	1126	EQU	MTT	1	174	R	DF	12345				GL-242 Bp-47.6 Dp-40.2 SD-36.2		COMPLETE- 2 PIECES-POROUS-SURFACE	4
DBF97	1127	OVCA	RAD	1	2	L								MIDSHAFT FRAG	4
DBF97	1127	SSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	1128	BOS	FEM	1	16	R								DISTAL SHAFT FRAG	4
DBF97	1140	CSZ	RIB	1	24	F								SHAFT FRAG- 2 PIECES	4
DBF97	1140	OVCA	UM	1	1	F								ENAMEL FRAG	4
DBF97	1140	SSZ	RIB	1	1	F								PROX SHAFT FRAG	4
DBF97	1140	SSZ	SCP	1	2	L								DISTAL BLADE-4 PIECES-SMALL-POROUS-JUV	4
DBF97	1141	SSZ	RIB	3	3	F								SHAFT FRAG	4
DBF97	1141	SSZ	SKL	1	3	F								CRANIUM FRAG	3
DBF97	1146	SSZ	UNI	1	0	F								INDET	4
DBF97	1147	CSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	1147	OVCA	TIB	1	8	L		4						MIDSHAFT FRAG- 2 PIECES	4
DBF97	1147	UNI	UNI	1	4	F								INDET	4
DBF97	1147	UNI	UNI	1	1	F								INDET	4
DBF97	1150	OVCA	MTC	1	2	F			B					MIDSHAFT FRAG-SL CHARRED	4
DBF97	1150	SUS	UM2	1	6	W					J7			2 PIECES	4
DBF97	1151	OVCA	UM2	1	6	L					J10			ROOTS BROKEN	4
DBF97	1153	BOS	PH2	1	17	R	PF	12						SL DAMAGE	4
DBF97	1155	BOS	HUM	1	30	L				DG				DISTAL SHAFT-DIST END CHEWED- 2 PIECES	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1155	BOS	HUM	1	30	R		9						DISTAL SHAFT FRAG	4
DBF97	1156	BOS	UPM4	1	8	L					H12			VERY HEAVY CEMENTUM DEPOSITION AROUND THE 3 ROOTS- ELDERLY?	4
DBF97	1157	BOS	MAN	1	15	F								VENTRAL FRAG HORI RAMUS	4
DBF97	1157	BOS	SCP	1	18	L				DG				FRAG CAUDAL MARGIN OF BLADE	4
DBF97	1157	CSZ	LBF	1	8	F								POSS BOS DELTOID	4
DBF97	1157	OVCA	HUM	1	5	L				DG				DISTAL SHAFT-CHEWED- 3 PIECES	3
DBF97	1157	OVCA	TIB	1	5	R				DG		SD-9.1		MIDSHAFT-THIN-JUV?	4
DBF97	1158	BOS	HUM	1	185	L	DF	67890		DG				DISTAL HALF-DAMAGED-DIST CHEWED	4
DBF97	1158	BOS	MAN	1	97	R		5678						ASC RAMUS WITHOUT CORONOID- 3 PIECES	4
DBF97	1158	BOS	ULN	1	37	L		2		DG				SEMILUNARIS-PROX CHEWED OFF- 2 PIECES	4
DBF97	1158	OVCA	LM2	1	5	L					J11				4
DBF97	1159	BOS	LM1	1	14	F					I15			CUSPS ONLY	4
DBF97	1159	BOS	MTT	1	27	F				DG				DISTAL SHAFT FRAG-DISTAL END CHEWED OFF	4
DBF97	1159	BOS	RAD	1	151	R	PF	123		DG		Bp-71.6 Dp-35 SD-35.3		PROX END AND SHAFT-DISTAL CHEWED	4
DBF97	1159	CSZ	RIB	1	5	F								SHAFT FRAG	4
DBF97	1159	CSZ	SCP	1	11	F								FRAG BLADE	4
DBF97	1159	OVCA	MAX	1	2	F		9			h12			FRAG WITH PART DUP4	4
DBF97	1159	OVCA	RAD	1	2	R								PROX SHAFT FRAG	4
DBF97	1159	OVCA	TIB	1	14	R				DG				MIDSHAFT-DISTAL CHEWED	4
DBF97	1159	SSZ	LBF	1	4	F								SHAFT FRAG	4
DBF97	1160	BOS	MAN	1	20	R		5						CONDYLE	4
DBF97	1161	CSZ	RIB	1	6	F								SHAFT FRAG	4
DBF97	1163	OVCA	FEM	1	3	F								SHAFT FRAG	4
DBF97	1163	OVCA	MTC	1	4	F	DN	5						DISTAL SHAFT	4
DBF97	1163	OVCA	MTT	1	7	F								PROX AND MIDSHAFT FRAG- 2 PIECES	4
DBF97	1163	OVCA	MTT	1	17	R	DF	12345				GL-124 SD-9.7 Bd-20.8 DD-14		COMPLETE-PROX BROKEN- 5 PIECES	4
DBF97	1163	SSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	1179	BOS	HUM	1	73	R	DF	789						DISTAL SHAFT AND CONDYLE- 4 PIECES	4
DBF97	1179	BOS	UM	1	4	F								ENAMEL FRAG OF ONE CUSP	4
DBF97	1179	OVCA	MTT	1	4	F								MIDSHAFT- 3 PIECES	4
DBF97	1184	BOS	MAN	1	178	R		7			I15J14K11	LM3-34		POST HORI RAMUS- FRAGMENTED - 19 PIECES	4
DBF97	1184	CSZ	CEV	1	8	F								ZYGAPOPHYSES-2 PIECES	4
DBF97	1184	CSZ	UNI	1	2	F								INDET	4
DBF97	1184	OVCA	MAN	1	3	L					J9			FRAG JAW AND TOOTH	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1184	OVCA	MTT	1	12	R				DG		SD-10.7		SHAFT-BOTH ENDS CHEWED	4
DBF97	1184	OVCA	SCP	1	8	L		35						DISTAL BLADE AND CAUDAL MARGIN- 3 PIECES	4
DBF97	1184	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	1184	SSZ	RIB	2	3	F								SHAFT FRAG	4
DBF97	1184	SUS	FIB	1	2	F								SHAFT	4
DBF97	1184	SUS	MAN	1	18	L					K7			FRAG WITH M3- 3 PIECES	4
DBF97	1184	UNI	UNI	2	2	F								INDET	4
DBF97	1184	UNI	VER	1	4	F								FRAG CENTRUM	4
DBF97	1187	OVCA	CAL	1	5	L	PN	123	B			L-47		COMPLETE-CHARRED-EPI LOOSE	4
DBF97	1188	CSZ	UNI	1	1	F								INDET	4
DBF97	1188	OVCA	FEM	1	5	R								DISTAL MIDSHAFT	4
DBF97	1198	BOS	UM3	1	18	L					K15			BROKEN-2 PIECES	4
DBF97	1202	BOS	LM2	1	10	R					J7			CUSPS ONLY	4
DBF97	1202	CSZ	LBF	1	9	F				DG				SHAFT FRAG-CHEWED	4
DBF97	1202	CSZ	LBF	3	6	F								SHAFT FRAG	4
DBF97	1202	OVCA	MTT	1	4	F								MIDSHAFT- 2 PIECES	3
DBF97	1202	SSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	1202	UNI	UNI	1	1	F								INDET	4
DBF97	1205	BOS	FEM	1	30	F								MIDSHAFT FRAG	4
DBF97	1205	BOS	FEM	1	84	L	PN	3		DG				PROX SHAFT-END CHEWED	4
DBF97	1205	BOS	FEM	1	30	L		4						DISTAL SHAFT FRAG	4
DBF97	1205	BOS	FEM	1	54	L		4						DISTAL SHAFT FRAG	4
DBF97	1205	BOS	FEM	1	39	F								MIDSHAFT FRAG	4
DBF97	1205	BOS	HUM	1	19			0						MIDSHAFT FRAG	4
DBF97	1205	BOS	HUM	1	20	F								DISTAL SHAFT FRAG	4
DBF97	1205	BOS	INN	1	114	R								LATERALILIAL AND ISCHIAL FRAG - 3 PIECES	4
DBF97	1205	BOS	LPM3	1	5	L					G10			COMPLETE	4
DBF97	1205	BOS	MAN	1	30	L								POST VENTRAL FRAG HORI RAMUS	4
DBF97	1205	BOS	MAN	1	127	L					H10I15J12			FRAG HORI RAMUS-6 PIECES	4
DBF97	1205	BOS	MAN	1	30	L		123						DIASTEMAL FRAG	4
DBF97	1205	BOS	MAN	1	7	L		7						ANT FRAG ASC RAMUS	4
DBF97	1205	BOS	MAX	1	112	R					I12J10K4			M3 LOOSE	4
DBF97	1205	BOS	MAX	1	9	F								FRAG WITH ALVEOLI- 2 PIECES	4
DBF97	1205	BOS	RAD	1	10	R		3						PROX SHAFT FRAG	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation	
DBF97	1205	BOS	SKL	1	3	F								TYMPANIC	4	
DBF97	1205	BOS	TIB	1	39	R								MIDSHAFT FRAG	4	
DBF97	1205	BOS	TIB	1	101	L				DG				MIDSHAFT-PROX CHEWED	4	
DBF97	1205	BOS	TIB	1	8	F		4						PROX SHAFT FRAG	4	
DBF97	1205	CSZ	CEV	1	27	F								DORSAL FRAG WITH ZYGA	4	
DBF97	1205	CSZ	LBF	5	55	F								SHAFT FRAG	4	
DBF97	1205	CSZ	LBF	3	19	F								SHAFT FRAG	4	
DBF97	1205	CSZ	LBF	1	15	F								SHAFT FRAG	4	
DBF97	1205	CSZ	LBF	2	1	F								SHAFT FRAG	4	
DBF97	1205	CSZ	MAN	1	12	F								LATERAL FRAG RAMUS	4	
DBF97	1205	CSZ	RIB	1	10	L				DG				SHAFT-1ST RIB-PROX CHEWED	4	
DBF97	1205	CSZ	RIB	1	18	F			CH					SHAFT FRAG-CHOPPED	4	
DBF97	1205	CSZ	RIB	3	72	F			KN					SHAFT FRAG-CUT	4	
DBF97	1205	CSZ	RIB	12	149	F								SHAFT FRAG	4	
DBF97	1205	CSZ	RIB	2	5	F								SHAFT FRAG	4	
DBF97	1205	CSZ	SCP	1	4	F								BLADE FRAG	4	
DBF97	1205	CSZ	SKL	3	9	F								INDET	4	
DBF97	1205	CSZ	SKL	1	5	F								PARITEAL FRAG	4	
DBF97	1205	CSZ	UNI	1	6	F								INDET	4	
DBF97	1205	GOOS	COR	1	5	R						GL-80		COMPLETE	4	
DBF97	1205	GOOS	HUM	1	24	R								SHAFT AND PART PROX END- 2 PIECES	4	
DBF97	1205	GOOS	HUM	1	7	L								SHAFT	4	
DBF97	1205	GOOS	HUM	1	4	L						Bd-24		DISTAL END-DIFFERENT IND TO ABOVE	4	
DBF97	1205	GOOS	RAD	1	3	L								DISTAL END AND SHAFT	4	
DBF97	1205	GOOS	STN	1	3	F								LATERAL FRAG	4	
DBF97	1205	GOOS	TIB	1	1	L								FRAG PROX END-POSS PART OF ABOVE	4	
DBF97	1205	GOOS	TIB	1	6	L							Bd-17.6 DD-18.2	DISTAL HALF-CUT ACROSS DIST ARTIC- 2 PIECES	4	
DBF97	1205	GSSZ	LBF	2	1	F								SHAFT FRAG	4	
DBF97	1205	OVCA	CAL	1	7	L	PF	123						GL-55.4 Dp-15.5	COMPLETE	4
DBF97	1205	OVCA	MTT	1	1	F								SHAFT FRAG	4	
DBF97	1205	OVCA	RAD	1	15	R		3		DG				SHAFT-DISTAL CHEWED	4	
DBF97	1205	OVCA	TIB	1	11	L	DF	567						Bd-26.2 Dd-19.8	DISTAL END	4
DBF97	1205	OVCA	UM3	1	6	L					K14			COMPLETE	4	
DBF97	1205	SSZ	RIB	2	22	R								SHAFT	4	



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1205	SSZ	RIB	1	12	L								PROX HALF SHAFT	4
DBF97	1205	SSZ	RIB	4	14	F								SHAFT FRAG	4
DBF97	1205	SSZ	RIB	2	15	R								PROX HALF SHAFT	4
DBF97	1205	SSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	1205	UNI	UNI	3	2	F								INDET	4
DBF97	1205	UNI	UNI	3	5	F								INDET	4
DBF97	1205	UNI	UNI	1	0	F			B					CALCINED FRAG	4
DBF97	1205	UNI	UNI	7	2	F								INDET	4
DBF97	1206	BOS	FEM	1	16	F		4						DISTAL SHAFT FRAG	4
DBF97	1206	BOS	HUM	1	81	R	DF	6789				BT-63 HT-36		SMALL-POSS JUV. 3 PIECES- DISTAL END	4
DBF97	1206	BOS	HYD	1	3	F								SHAFT	4
DBF97	1206	BOS	INN	1	45	L		23	CH					ILAI SHAFT-POST CHOPPED	4
DBF97	1206	BOS	LI	1	3	L								SL WEAR	4
DBF97	1206	BOS	MTC	1	49	R		12		DG				PROX END-ARTIC CHEWED	4
DBF97	1206	BOS	MTT	1	25	R		2						FRAG SPLIT PROX END	4
DBF97	1206	BOS	SCP	1	14	F								FRAG DISTAL CAUDAL MARGIN OF BLADE	4
DBF97	1206	BOS	SKL	1	29	R		2	CH					OCCIPITAL FRAG-CHOPPED THRU CONDYLE	4
DBF97	1206	BOS	UM1	1	18	R					116			POSS M2	4
DBF97	1206	CSZ	LBF	2	19	F								SHAFT FRAG	4
DBF97	1206	CSZ	LBF	1	5	F								PROX SHAFT FRAG	4
DBF97	1206	CSZ	RIB	1	8	F				DG				SHAFT FRAG-CHEWED	4
DBF97	1206	CSZ	RIB	1	2	F								SHAFT FRAG	4
DBF97	1206	CSZ	SKL	2	11	F								INDET	4
DBF97	1206	CSZ	UNI	4	12	F								INDET	4
DBF97	1206	CSZ	VER	1	7	F	AN							FRAG	4
DBF97	1206	OVCA	INN	1	12	L		23	CH	DG				ILIAL SHAFT AND SCAR-POST CHOPPED ANT CHEWED	4
DBF97	1206	SSZ	LBF	1	5	F								SHAFT FRAG	4
DBF97	1206	SSZ	LMV	1	1	F								TRANS PROCESS	4
DBF97	1206	SSZ	RIB	3	9	F			KN					SHAFT FRAG-CUT	4
DBF97	1206	SSZ	RIB	2	7	F								SHAFT FRAG	4
DBF97	1206	SSZ	UNI	1	1	F								INDET	4
DBF97	1206	SUS	TRV	1	7	F		1						SPINE	4
DBF97	1206	SUS	ULN	1	7	R		3		DG				DISTAL PART PROX ARTIC-CHEWED	4
DBF97	1207	BOS	CAL	1	44	L		23		DG				PROX END CHEWED OFF	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1207	BOS	CEV	1	84	F	CFAF	12345						COMPLETE-SL DAMAGE	4
DBF97	1207	BOS	FEM	2	23	F								DISTAL SHAFT FRAG	4
DBF97	1207	BOS	FEM	1	28	F				DG				PROX MIDSHAFT FRAG-CHEWED	4
DBF97	1207	BOS	FEM	1	25	F		4						DISTAL SHAFT FRAG	4
DBF97	1207	BOS	FEM	1	12	F		4						DISTAL SHAFT FRAG	4
DBF97	1207	BOS	FEM	1	111	L	PF	13						FRAGMENTED PROX END- 6 PIECES	4
DBF97	1207	BOS	FEM	1	172	L	DF	567						DISTAL END	4
DBF97	1207	BOS	HUM	1	44	L		9						DISTAL SHAFT FRAG- 5 PIECES	4
DBF97	1207	BOS	INN	1	67	R	EF	7		DG				ISCHIAL SHAFT AND PART ACETAB-BOTH ENDS CHEWED	4
DBF97	1207	BOS	LI	1	1	L								SL WEAR	4
DBF97	1207	BOS	LI	1	2	L								WELL WORN	4
DBF97	1207	BOS	LM	1	15	F					I/J15			CUSP ONLY	4
DBF97	1207	BOS	LM2	1	18	L					J7			CUSP BROKEN	4
DBF97	1207	BOS	LM3	1	34	L					K12			COMPLETE	4
DBF97	1207	BOS	MAN	1	6	F								VENTRAL FRAG HORI RAMUS	4
DBF97	1207	BOS	MAN	1	8	F								LATERAL FRAG HORI RAMUS	4
DBF97	1207	BOS	MAN	1	99	R					I14J11K4			7 PIECES	4
DBF97	1207	BOS	MAN	1	88	L		7			fgh1418J4			ANT RAMUS- 6 PIECES	4
DBF97	1207	BOS	MAN	1	15	L								POST FRAG ASC RAMUS	4
DBF97	1207	BOS	MAN	1	14	F								MEDIAL FRAG HORI RAMUS	4
DBF97	1207	BOS	MAN	1	68	R		45						DORSAL ASC RAMUS	4
DBF97	1207	BOS	MAX	1	17	F								FRAGMENT WITH BROKEN TOOTH ROOTS- 6 PIECES	4
DBF97	1207	BOS	MAX	1	87	R		9			fgh15112			DP2 LOOSE-PUSHED OUT BY P2 BELOW	4
DBF97	1207	BOS	MAX	1	34	L					J15			FRAG WITH M2	4
DBF97	1207	BOS	MTT	1	73	R		12		DG				SHAFT WITH PART PROX END-BOTH ENDS CHEWED	4
DBF97	1207	BOS	SCP	1	103	L								PART OF CAUDAL MARGIN OF BLADE	4
DBF97	1207	BOS	SCP	1	11	F			CH					VENTRAL FRAG CAUDAL MARGIN OF BLADE - CHOPPED	4
DBF97	1207	BOS	SCP	1	32	L		25		DG				PART GLENOID AND NECK-CHEWED	4
DBF97	1207	BOS	SKL	1	20	R		2						CONDYLE	3
DBF97	1207	BOS	SKL	1	5	F								TYMPANIC	4
DBF97	1207	BOS	SKL	1	11	F								FRAG WITH AVEOLUS	4
DBF97	1207	BOS	SKL	1	5	L			KN					NASAL-CUT ACROSS SURFACE	4
DBF97	1207	BOS	SKL	1	39	L		4						AUDITORY REGION	4
DBF97	1207	BOS	SKL	1	36	L								ZYGOMATIC- 2 PIECES	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1207	BOS	SKL	1	6	F			CH					NASAL-CHOPPED	4
DBF97	1207	BOS	SKL	1	8	F								FACIAL FRAG	4
DBF97	1207	BOS	SKL	1	28	L								SUPRAORBITAL FRAG	4
DBF97	1207	BOS	SKL	1	5	R		8		DG				FRAG TEMPORAL ARTIC	4
DBF97	1207	BOS	TIB	1	32	L		4						PROX SHAFT FRAG	4
DBF97	1207	BOS	TTH	1	0	F								FRAGS UNWORN ENAMEL CUSP	3
DBF97	1207	BOS	UM	1	19	L					16			POSS M1 OF ABOVE MAX	4
DBF97	1207	CHIK	MTT	1	5	R						GL-81.4 Bp-14.3 Bd-14.5 Dp-14.3		COMPLETE-MALE WITH SPUR	4
DBF97	1207	CRA	HC	1	11	R								POROUS-FRAGMENT OF BASAL HALF	4
DBF97	1207	CSZ	LBF	9	45	F								SHAFT FRAG	4
DBF97	1207	CSZ	LBF	1	7	F								SHAFT FRAG- 2 PIECES	4
DBF97	1207	CSZ	LBF	1	21	F				DG				SHAFT FRAG-CHEWED	4
DBF97	1207	CSZ	LBF	1	3	F			B					CHARRED SHAFT FRAG	4
DBF97	1207	CSZ	LBF	5	35	F								SHAFT FRAG	4
DBF97	1207	CSZ	LBF	1	8	F				DG				SHAFT FRAG-CHEWED	4
DBF97	1207	CSZ	LBF	1	9	F								SHAFT FRAG	4
DBF97	1207	CSZ	LMV	1	4	F								FRAG TRANS PROCESS	4
DBF97	1207	CSZ	MAN	3	5	F								LATERAL FRAGS	4
DBF97	1207	CSZ	RIB	2	22	F			CH					SHAFT FRAG-CHOPPED	4
DBF97	1207	CSZ	RIB	4	73	F			CH					SHAFT FRAG-CHOPPED OF CUT	4
DBF97	1207	CSZ	RIB	4	38	F								SHAFT FRAG	4
DBF97	1207	CSZ	RIB	9	146	F								SHAFT FRAG	4
DBF97	1207	CSZ	RIB	1	37	F								SHAFT	4
DBF97	1207	CSZ	SKL	1	14	F			CH					CHOPPED	4
DBF97	1207	CSZ	SKL	2	5	F								CRANIAL VAULT FRAG	4
DBF97	1207	CSZ	SKL	4	8	F								INDET	4
DBF97	1207	CSZ	UNI	12	23	F								INDET	4
DBF97	1207	CSZ	UNI	2	9	F								INDET	4
DBF97	1207	EQU	MTP	1	10	F								SHAFT FRAG	4
DBF97	1207	EQU	RAD	1	93	R				DG				SHAFT-BOTH ENDS CHEWED-EXFOLIATING	3
DBF97	1207	GOOS	HUM	1	2	R								MIDSHAFT FRAG-DIFFERENT INDIV FROM BOTH ABOVE	4
DBF97	1207	GOOS	HUM	1	5	R								MIDSHAFT	4
DBF97	1207	GOOS	HUM	1	6	R								PROX SHAFT-DIFFERENT INDIV TO ABOVE	4
DBF97	1207	GOOS	STN	1	3	F								POST LATERAL FRAG- 2 PIECES	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1207	GSSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	1207	OVCA	FEM	1	7	F								MIDSHAFT FRAG	4
DBF97	1207	OVCA	HUM	1	11	L	DC	67890				BT-25.8 HT-16 SD-10.5		DISTAL HALF-SMALL-IMM	4
DBF97	1207	OVCA	HUM	1	17	R	DF	6789				BT-28.7 HT-17.8		DISTAL HALF	4
DBF97	1207	OVCA	INN	1	8	R	EF	7						ISCHIAL SHAFT	4
DBF97	1207	OVCA	LI	1	1	L								SL WEAR	4
DBF97	1207	OVCA	MAN	1	34	R		27					P	VERY WORN AND CROWDED DENTITION-ROOT ABCESS UNDER M1	4
DBF97	1207	OVCA	MAN	1	15	L		23						ANT HORI RAMUS	4
DBF97	1207	OVCA	RAD	1	8	L								MIDSHAFT WITH ULNAL SHAFT FUSED ON	4
DBF97	1207	OVCA	SCP	1	18	R		2345						GLENOID NECK AND BLADE WITH SPINE	4
DBF97	1207	SSZ	FEM	1	5	F								MIDSHAFT FRAG	4
DBF97	1207	SSZ	FEM	1	4	F								SHAFT FRAG	4
DBF97	1207	SSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	1207	SSZ	LBF	1	3	F								SHAFT FRAG	4
DBF97	1207	SSZ	LBF	2	3	F								SHAFT FRAG-POROUS	4
DBF97	1207	SSZ	LBF	2	5	F								SHAFT FRAG	4
DBF97	1207	SSZ	RIB	6	9	F								SHAFT FRAG	4
DBF97	1207	SSZ	RIB	1	17	R								SHAFT	4
DBF97	1207	SSZ	RIB	1	3	F			KN					SHAFT FRAG-CUT	4
DBF97	1207	SSZ	RIB	3	6	F								SHAFT FRAG	4
DBF97	1207	SSZ	TIB	1	3	L								MIDSHAFT-SMALL-JUV SHEEP?	4
DBF97	1207	SUS	SCP	1	4	L		4						DISTAL BLADE-SMALL-JUV	4
DBF97	1207	UNI	SKL	1	4	F								INDET	4
DBF97	1207	UNI	UNI	2	2	F								INDET	4
DBF97	1207	UNI	UNI	12	4	F								INDET	4
DBF97	1207	UNI	UNI	1	1	F								INDET	4
DBF97	1207	UNI	UNI	2	2	F								INDET	4
DBF97	1218	BOS	CAL	1	10	L				DG				PROX SHAFT-PROX CHEWED	4
DBF97	1218	BOS	MTT	1	15	F		2						FRAG PROX END	4
DBF97	1222	OVCA	LM3	1	4	R						K12		COMPLETE	4
DBF97	1222	OVCA	MTC	1	7	L								MID AND DISTAL SHAFT	4
DBF97	1222	OVCA	TIB	1	11	L								MIDSHAFT	4
DBF97	1222	SSZ	LBF	1	3	F								SHAFT FRAG-POROUS	3
DBF97	1222	SSZ	RIB	1	1	F								SHAFT FRAG	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1222	SUS	SKL	1	16	R		57						ANT ORBITAL AREA- 4 PIECES	4
DBF97	1224	BOS	MAN	1	25	R		23						DIASTEMAL REGION- 2 PIECES	4
DBF97	1224	EQU	UPM2	1	32	R								COMPLETE	4
DBF97	1225	BOS	HC	1	5	F								FRAG	4
DBF97	1225	BOS	SCP	1	46	R		25						GLENOID FRAG WITH PART NECK	4
DBF97	1225	CSZ	RIB	1	34	L								SHAFT- 2 PIECES	4
DBF97	1225	CSZ	UNI	1	4	F								INDET	4
DBF97	1225	OVCA	MAN	1	8	R					h1319J3			2 PIECES-M2 LOST	4
DBF97	1225	OVCA	MAN	1	20	L		2			gh13112J8			ANT PART TOOTH ROW	4
DBF97	1234	OVCA	RAD	1	3	R			DG					PROX SHAFT FRAG-CHEWED	4
DBF97	1234	SSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	1234	SSZ	SKL	1	0	F								INDET	4
DBF97	1234	SUS	PH2	1	2	R	PF	12						COMPLETE-LATERAL	4
DBF97	1237	UNI	UNI	1	1	F								INDET	4
DBF97	1242	OVCA	SCP	1	7	L								DISTAL HALF BLADE- FRAGMENTED- 9 PIECES	4
DBF97	1243	BOS	AST	1	63	R		1				L1-63 L2-57.2 Bp-45.3 Bd-42.8 Dd-29.7 BT-66.4 HT-39.9	COMPLETE	5	
DBF97	1243	BOS	HUM	1	91	R	DF	789	CH					DISTAL END-CHOPPED THRU DISTAL SHAFT	5
DBF97	1243	BOS	PH1	1	26	R	PF	12						COMPLETE	5
DBF97	1243	BOS	SCP	1	31	R		35						NECK- 4 PIECES	4
DBF97	1243	OVCA	MAN	1	30	R		245678			g15112J9K3			4 PIECES-M3 LOST	4
DBF97	1243	SUS	LC	1	7	R								MALE- 2 PIECES	4
DBF97	1244	OVI	SKL	1	47	P		223						POST SKULL- HORNED- 11 PIECES	4
DBF97	1254	BOS	LMV	1	33	F	AN							POST CENTRUM AND ARCH-SAME INDIV AS SACRUM BELOW- 5 PIECES	4
DBF97	1254	BOS	SAC	1	201	P	CNAN	145						MOST OF CENTRUM- 4 PIECES-SAME AS LMV ABOVE	4
DBF97	1296	BOS	HUM	1	90	L	DC	69						DISTAL SHAFT- 3 PIECES	5
DBF97	1296	BOS	LM2	1	18	L					J11			ROOTS LOST	4
DBF97	1296	BOS	LM2	1	4	L					J6			ONE CUSP-UNWORN	4
DBF97	1296	CSZ	LBF	1	5	F								SHAFT FRAG	4
DBF97	1296	CSZ	MAN	1	5	F								LATERAL FRAG HORI RAMUS	4
DBF97	1296	EQU	PH2	1	30	W	PF	12		DG		Bp-50		COMPLETE-SL CHEWED	4
DBF97	1296	SSZ	FEM	1	3	F								SHAFT FRAG- 2 PIECES	4
DBF97	1312	BOS	FEM	1	108	R	DF	67						PART DISTAL END	4
DBF97	1312	BOS	INN	1	31	F		66						FUSED SYMPHYSEAL AREA	4
DBF97	1312	BOS	MAN	1	52	L		45						DORSAL PART ASC RAMUS	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1312	BOS	MTT	1	154	L	DF	1235				L-195 Bp-42.4 Dp-41.5 SD-25.9		DISTAL END DAMAGED	4
DBF97	1312	BOS	PH3	1	19	L		1						COMPLETE	4
DBF97	1312	BOS	RAD	1	161	L	PFDN	1236				Bp-67.9 Dp-34.3 SD-33.5		PROX END AND SHAFT	4
DBF97	1312	BOS	SKL	1	10	F								FRAG BASIOCCIPITAL	4
DBF97	1312	BOS	UM3	1	44	L				K10				ANT CUSP BROKEN	4
DBF97	1312	CSZ	INN	1	8	F								FRAG	4
DBF97	1312	CSZ	RIB	1	24	F								SHAFT- 4 PIECES	4
DBF97	1312	CSZ	UNI	4	6	F								INDET	4
DBF97	1312	EQU	TIB	1	156	R				DG				SHAFT-DIST CHEWED-2 PIECES	4
DBF97	1316	SSZ	RIB	3	7	F								SHAFT FRAG	4
DBF97	1316	SUS	LMV	1	5	F	CNAN	45						CENTRUM AND ARCH-SMALL-JUV	4
DBF97	1323	CSZ	RIB	1	31	F								SHAFT FRAG- 3 PIECES	4
DBF97	1323	EQU	TRV	1	64	F	CFAF	12345						TIP SPINE BROKEN- 2 PIECES	4
DBF97	1323	OVCA	LI	1	0	R								WELL WORN	4
DBF97	1323	OVCA	MAN	1	19	L		7			h1119J3			FRAGMENTED- 9 PIECES	4
DBF97	1324	BOS	RAD	1	46	L		3		DG				PROX SHAFT FRAG-PROX CHEWED	4
DBF97	1324	BOS	RAD	1	269	L	PF	1236				SD-40		PROX END AND SHAFT	4
DBF97	1324	BOS	SCP	1	18	F								PROX BLADE FRAG	4
DBF97	1324	CSZ	UNI	1	2	F								INDET	4
DBF97	1324	EQU	PH2	1	29	W	PF	12				Bp-49		COMPLETE	4
DBF97	1324	SSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	1324	SUS	LMV	1	20	F	CNAN	45		DG				CENTRUM AND ARCH-SL CHEWED- 3 PIECES	4
DBF97	1326	BOS	TIB	1	91	R	DF	567		DG				DISTAL END- 3 PIECES-DIST CHEWED	4
DBF97	1326	SSZ	LBF	5	3	F								SHAFT FRAG	4
DBF97	1326	SSZ	RIB	1	1	R								PROX SHAFT	4
DBF97	1326	SSZ	TIB	1	2	L								PROX SHAFT FRAG	4
DBF97	1326	SSZ	UNI	4	0	F								INDET	4
DBF97	1326	SUS	TIB	1	2	L	PN	4						PROX THIRD SHAFT-VERY SMALL-PIGLET	4
DBF97	1327	BOS	ULN	1	2	F								SHAFT FRAG	4
DBF97	1327	CSZ	LBF	2	9	F								SHAFT FRAG	4
DBF97	1327	UNI	UNI	1	2	F				DG				INDET-CHEWED	4
DBF97	1328	UNI	UNI	2	1	F								INDET	4
DBF97	1329	CSZ	LBF	1	8	F								SHAFT FRAG-POROUS-SMALL-JUV	4
DBF97	1329	CSZ	LBF	1	19	F								SHAFT FRAG- 2 PIECES	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path	comment	preservation
DBF97	1329	CSZ	LBF	1	8	F								SHAFT FRAG	4
DBF97	1329	CSZ	RIB	1	17	F								SHAFT FRAG	4
DBF97	1329	OVCA	RAD	1	3	L								MIDSHAFT	4
DBF97	1333	CSZ	LBF	1	11	F								SHAFT FRAG - 2 PIECES	4
DBF97	1333	OVCA	LI	1	0	L								POSS DEC	4
DBF97	1333	OVCA	LM2	1	4	R					J10			2 PIECES	4
DBF97	1333	OVCA	MAN	1	1	L		2						DIASTEMAL FRAG	4
DBF97	1333	OVCA	MAX	1	4	R		0			fg12			ANT MAX FRAG - 2 PIECES	4
DBF97	1333	OVCA	TIB	1	9	R		4		DG				PROX MIDSHAFT - 5 PIECES	3
DBF97	1333	SSZ	LBF	3	6	F								SHAFT FRAG	4
DBF97	1333	SSZ	TIB	1	3	F								DISTAL SHAFT FRAG	4
DBF97	1333	SUS	LI	1	3	L								NO WEAR	4
DBF97	1333	SUS	LI	1	4	W								CUSP BROKEN	4
DBF97	1333	SUS	UI	1	1	R								WELL WORN	4
DBF97	1333	UNI	UNI	1	1	F								INDET	4
DBF97	1335	CSZ	UNI	1	1	F								INDET	4
DBF97	1335	MAN	PH1	1	2	F								ERODED	3
DBF97	1335	MAN	UNI	6	10	F								ERODED FRAGS-VERT?	3
DBF97	1335	MAN	UNI	6	6	F								ERODED BONE-NOT IDENTIFIED	3
DBF97	1335	OVCA	UPM4	1	2	R					H12			COMPLETE	4
DBF97	1341	BOS	FEM	1	176	L	PN	13						DAMAGED PROX END - 3 PIECES	4
DBF97	1341	BOS	MAN	1	14	R		23						DIASTEMAL FRAG	4
DBF97	1341	BOS	MAN	1	11	L		5						CONDYLE	4
DBF97	1341	BOS	MTC	1	2	F								POST SHAFT FRAG	4
DBF97	1341	BOS	MTC	1	4	F								POST SHAFT FRAG	4
DBF97	1341	BOS	MTC	1	7	F								PROX SHAFT FRAG-POROUS-JUV - 2 PIECES	4
DBF97	1341	BOS	MTT	1	179	L	DF	12345		DG		GL-216 Bp-44 Dp-43.5 SD-24.5 Rd. 51.0 Dd. 30.2		COMPLETE-BUT FRAGMENTED AND RECONSTRUCTED-MANY BITS	4
DBF97	1341	BOS	SCP	1	15	R		5						DISTAL CAUDAL FRAG BLADE	4
DBF97	1341	BOS	SCP	1	14	F		4						SPINE - 2 PIECES	4
DBF97	1341	BOS	SCP	1	19	F								BLADE FRAG-BENEATH SPINE	4
DBF97	1341	BOS	SCP	1	4	L		5						FRAG NECK-POROUS-SMALL-CALF?	4
DBF97	1341	BOS	SCP	1	188	R	DF	1235				GLP-83.8 LG-69.6		GLENOID AND NECK	4
DBF97	1341	BOS	SCP	1	77	R								PROX CAUDAL MARGIN OF BLADE	4
DBF97	1341	BOS	TIB	1	18	L		4		DG				PROX SHAFT FRAG-IMM-PROX CHEWED	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1341	BOS	TIB	1	31	R	DF	56		DG				DISTAL END-CHEWED	4
DBF97	1341	BOS	UM	1	13	R								ONE CUSP-NO WEAR	4
DBF97	1341	CSZ	LBF	2	14	F								SHAFT FRAG	4
DBF97	1341	CSZ	RIB	1	3	F								PROX SHAFT FRAG	4
DBF97	1341	CSZ	RIB	1	5	F								SHAFT FRAG	4
DBF97	1341	CSZ	SCP	1	5	F								PROX FRAG BLADE	4
DBF97	1341	CSZ	SCP	1	6	F								BLADE FRAG	4
DBF97	1341	CSZ	SKL	1	1	F								INDET	4
DBF97	1341	CSZ	UNI	5	18	F								INDET	4
DBF97	1341	CSZ	UNI	1	13	F								INDET	4
DBF97	1341	EQU	MTC	1	148	L	DF	12345				GL-226 Bp-46 Dp-31 SD-30.9		COMPLETE-FRAGMENTED-RECONSTRUCTED	4
DBF97	1341	EQU	SCP	1	99	R	DF	123				Rd. 46.0 Dd. 25 GLP-85.4		GLENOID AND NECK	4
DBF97	1341	OVCA	INN	1	10	R		29						ILIAL SHAFT-FEMALE?	4
DBF97	1341	OVCA	UM3	1	6	L					K11			COMPLETE	4
DBF97	1341	SSZ	LBF	2	3	F								SHAFT FRAG	4
DBF97	1341	UNI	UNI	4	2	F								INDET	4
DBF97	1342	BOS	SKL	1	38	R								ZYGOMATIC- 2 PIECES	4
DBF97	1342	BOS	UM3	1	31	R					K14			COMPLETE	4
DBF97	1342	CSZ	RIB	1	2	F								SHAFT FRAG-2 PIECES	4
DBF97	1342	CSZ	SKL	1	6	F								FACIAL FRAG-PART OF ABOVE?	4
DBF97	1342	CSZ	UNI	1	2	F								INDET	4
DBF97	1342	CSZ	UNI	1	13	F								NOT IDENTIFIED	4
DBF97	1342	SSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	1342	SUS	LI	1	1	F								CUSP BROKEN	4
DBF97	1342	UNI	UNI	1	1	F								INDET	4
DBF97	1344	BOS	CQ	1	8	F								HALF BONE	4
DBF97	1344	BOS	DUP3	1	6	R					g12				4
DBF97	1344	BOS	DUP4	1	7	L					h10			ROOTS BROKEN	4
DBF97	1344	BOS	FEM	1	34	R	PC	3		DG				PROX SHAFT-PROX END CHEWED	4
DBF97	1344	BOS	FEM	1	43	F								SHAFT FRAG- 2 PIECES	4
DBF97	1344	BOS	INN	1	16	L		7		DG				ISCHIAL SHAFT-HEAVILY CHEWED	4
DBF97	1344	BOS	INN	1	21	R	EF	4						ANT FRAG PUBIS-FEMALE?	4
DBF97	1344	BOS	INN	1	18	R				DG				ISCHIAL FRAG ACETAB-CHEWED	4
DBF97	1344	BOS	LI	1	1	L								MED-WELL WORN	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1344	BOS	LM	1	10	F					I/J15			CUSPS INTACT	4
DBF97	1344	BOS	MAN	2	6	F		4						PART CORONOID	4
DBF97	1344	BOS	MTC	1	69	L	DF	345				Bd-57.8 Dd-30.2		DISTAL END	4
DBF97	1344	BOS	MTP	1	7	F	DN							DISTAL SHAFT FRAG-EPI UNFUSED	4
DBF97	1344	BOS	MTP	1	6	F								POST SHAFT FRAG	4
DBF97	1344	BOS	MTT	1	5	F								SPLIT SHAFT FRAG-POROUS-JUV	4
DBF97	1344	BOS	MTT	1	44	R		12		DG		Bp-38.7 Dp-36.8		PROX END-SL CHEWED	4
DBF97	1344	BOS	PH1	1	11	R	PN	2						EPI LOST	4
DBF97	1344	BOS	RAD	1	34	L				DG				DISTAL SHAFT-DIST CHEWED	4
DBF97	1344	BOS	SCP	1	7	L								PROX FRAG CAUDAL MARGIN OF BLADE	4
DBF97	1344	BOS	SKL	1	2	L								ANT FRAG PREMAXILLA	4
DBF97	1344	BOS	SKL	1	13	L								ZYGOMATIC	4
DBF97	1344	BOS	TIB	1	10	L		4						SHAFT FRAG WITH FORAMEN	4
DBF97	1344	BOS	UM2	1	20	L					J11			ROOTS BROKEN	4
DBF97	1344	CSZ	CEV	1	11	F								DORSAL FRAG WITH ZYGAS	4
DBF97	1344	CSZ	LBF	1	6	F								FRAG ARTICULATION	4
DBF97	1344	CSZ	LBF	3	37	F								SHAFT FRAG	4
DBF97	1344	CSZ	LBF	8	35	F								SHAFT FRAG	4
DBF97	1344	CSZ	MAN	1	4	F								LATERAL FRAG RAMUS	4
DBF97	1344	CSZ	RIB	7	26	F								SHAFT FRAG	4
DBF97	1344	CSZ	RIB	24	24	F								SPLIT SHAFT FRAGS	4
DBF97	1344	CSZ	SCP	1	5	F								VENTRAL FRAG CAUDAL MARGIN	4
DBF97	1344	CSZ	SCP	1	5	F								4 PIECES	4
DBF97	1344	CSZ	TIB	1	11	F								PROX SHAFT FRAG	4
DBF97	1344	CSZ	TIB	1	45	F								FRAGMENTED SHAFT- 13 PIECES	4
DBF97	1344	CSZ	UNI	1	19	F	N							UNIDENTIFIED FRAG- 3 PIECES	4
DBF97	1344	CSZ	UNI	1	9	F								INDET	4
DBF97	1344	CSZ	UNI	1	22	F				DG				ARTCI-HEAVILY CHEWED	4
DBF97	1344	CSZ	UNI	6	7	F								INDET	4
DBF97	1344	EQU	MTC	1	203	R	DF	12345		DG		GL-225 Bp-51.2 Dp-34.5 SD-35 Rd-51.4 Dd-37.7		COMPLETE	4
DBF97	1344	EQU	TTH	1	6	F								BROKEN ROOT	4
DBF97	1344	GOOS	PH1	1	1	F								PROX HALF	4
DBF97	1344	OVCA	FEM	1	2	F	PF	1						CAPUT EPI	4
DBF97	1344	OVCA	HUM	1	5	R		9						DISTAL SHAFT- 2 PIECES	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1344	OVCA	LI	1	1	R								MED-WELL WORN	4
DBF97	1344	OVCA	LM1	1	1	L					I15			BROKEN CUSP	4
DBF97	1344	OVCA	MAN	1	37	L		23			H10I12J11K7			ANT RAMUS	4
DBF97	1344	OVCA	MTC	1	2	F								SHAFT FRAG	4
DBF97	1344	OVCA	RAD	1	6	L								MIDSHAFT	4
DBF97	1344	OVCA	SKL	1	3	F								VENTRAL FRAG SKULL- 2 PIECES	4
DBF97	1344	SSZ	FEM	2	10	F								SHAFT FRAG	4
DBF97	1344	SSZ	LBF	2	7	F								SHAFT FRAG	4
DBF97	1344	SSZ	LBF	4	6	F								SHAFT FRAG	4
DBF97	1344	SSZ	LBF	1	1	F			B					CHARRED FRAGMENT	4
DBF97	1344	SSZ	LBF	1	1	F								INDET	4
DBF97	1344	SSZ	SCP	1	2	F								DISTAL BLADE FRAG	4
DBF97	1344	SSZ	UNI	1	1	F								POSSIBLE PIG ANGLE OF JAW	4
DBF97	1344	SSZ	UNI	1	2	F								INDET	4
DBF97	1344	SUS	HUM	1	8	L		69		DG				DISTAL SHAFT	4
DBF97	1344	SUS	SKL	1	1	L								INFRAORBITAL FRAG	4
DBF97	1344	SUS	UM2	1	3	W					J16			VERY WORN	4
DBF97	1344	UNI	UNI	6	6	F								INDET	4
DBF97	1344	UNI	UNI	1	7	F								INDET- 2 PIECES	4
DBF97	1344	UNI	UNI	17	7	F								INDET	4
DBF97	1346	BOS	MTT	1	61	R				DG				DISTAL HALF SHAFT-DISTAL CHEWED	4
DBF97	1346	BOS	SCP	1	35	L		2						FRAG OF GLENOID	4
DBF97	1346	CSZ	LBF	1	7	F								SHAFT FRAG	4
DBF97	1346	CSZ	RIB	1	3	F								SHAFT FRAG	4
DBF97	1346	CSZ	SKL	1	5	F								CRANIAL FRAG- 7 PIECES	4
DBF97	1346	OVCA	UM2	1	6	L					J10			BROKEN	4
DBF97	1346	OVCA	UM3	1	9	L					K8			COMPLETE	4
DBF97	1350	BOS	CPR	1	4	F		1						HALF ONLY	4
DBF97	1350	BOS	LI	1	3	L								SL-MED WEAR	4
DBF97	1350	CSZ	CC	1	1	F									4
DBF97	1350	CSZ	RIB	1	15	F								SHAFT FRAG	4
DBF97	1350	OVCA	LM2	1	3	R					J13			COMPLETE	4
DBF97	1350	SUS	MAX	1	24	R					H7I8J6			2 PIECES-M3 LOST BUT PROBABLY NOT UP	4
DBF97	1352	BOS	HC	1	8	F								FRAG	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1352	BOS	MAN	1	243	L		7			K16			POST RAMUS-FRAGMENTED- 7 PIECES	4
DBF97	1352	BOS	MAN	1	32	R		45678			J5K1			ASC RAMUS- 2 PIECES-CALF-M3 NOT UP-M2 ONE UNWORN CUPS ONLY	4
DBF97	1352	BOS	SCP	1	63	L		45						DISTAL BLADE- 4 PIECES	4
DBF97	1352	CSZ	LBF	2	7	F				DG				SHAFT FRAG-CHEWED	4
DBF97	1352	CSZ	LBF	2	6	F								SHAFT FRAG	4
DBF97	1352	CSZ	UNI	2	6	F								INDET	4
DBF97	1352	EQU	MPL	1	9	F								LATERAL MTP	4
DBF97	1352	EQU	SCP	1	124	L		35						DISTAL BLADE-FRAGMENTED- 20 PIECES	4
DBF97	1352	EQU	SKL	1	1234	P		8			FGHIJK			MED-WELL WORN TEETH-FRAGMENTED PARTIAL SKULL-111 PIECES- COMPLETE. RIGHT TOOTH ROW.	4
DBF97	1352	EQU	TIB	1	91	R				DG				MIDSHAFT-BOTH END CHEWED	4
DBF97	1352	OVCA	UM3	1	5	R					K13			COMPLETE	4
DBF97	1355	BOS	HC	1	21	F								CORE TIP	4
DBF97	1355	BOS	MAN	1	40	L		123						DIASTEMAL FRAG- 2 PIECES	4
DBF97	1355	BOS	PH1	1	17	R	PF	12						2 PIECES	4
DBF97	1355	BOS	PH3	1	13	L		1						IN 6 PIECES	4
DBF97	1355	BOS	RAD	1	19	R	PF	2		DG				PART PROX END-SL CHEWED	3
DBF97	1355	BOS	SCP	1	11	R		5						DISTAL CAUDAL MARGIN- 3 PIECES-SMALL-IMM?	4
DBF97	1355	BOS	UM	1	10	F								M1 OR M2- BROKEN	3
DBF97	1355	CSZ	HUM	1	5	F								DISTAL SHAFT FRAG	4
DBF97	1355	CSZ	LBF	4	18	F								SHAFT FRAG	4
DBF97	1355	CSZ	LBF	4	7	F								SHAFT FRAG	4
DBF97	1355	CSZ	RIB	3	9	F								SHAFT FRAG	4
DBF97	1355	CSZ	SKL	4	5	F								INDET	4
DBF97	1355	CSZ	TRV	1	18	F		1						SPINE FRAG	4
DBF97	1355	CSZ	UNI	2	1	F								INDET	4
DBF97	1355	CSZ	UNI	1	6	F								INDET	4
DBF97	1355	CSZ	VER	1	9	F	CN							ANT CENTRUM FRAG	4
DBF97	1355	EQU	TIB	1	43	R								MIDSHAFT FRAG	4
DBF97	1355	OVCA	ATL	1	3	R								LATERAL FRAG	4
DBF97	1355	OVCA	MTC	1	5	L				DG				ANT SHAFT-PROX CHEWED	4
DBF97	1355	OVCA	MTC	1	13	L		12				Bp-20.9 Dp-15		PROX HALF- 3 PIECES	4
DBF97	1355	OVCA	RAD	1	5	R				DG				MIDSHAFT FRAG-CHEWED	4
DBF97	1355	OVI	HC	1	1	F								FRAG BASE CORE	4
DBF97	1355	SSZ	LBF	2	5	F								SHAFT FRAG	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1355	SSZ	LBF	3	2	F								SHAFT FRAG	4
DBF97	1355	SSZ	LBF	1	2	F				DG				SHAFT FRAG-SL CHEWED	4
DBF97	1355	SSZ	RIB	1	0	F								SHAFT FRAG	4
DBF97	1355	SSZ	TIB	1	4	R				DG				PROX SHAFT-PROX CHEWED	4
DBF97	1355	SUS	MAN	1	2	F								MEDIAL FRAG HORI RAMUS	3
DBF97	1355	SUS	MT5	1	1	L	12							PROX END AND SHAFT	4
DBF97	1355	SUS	TIB	1	0	L	4							SHAFT-NEONATE	4
DBF97	1355	SUS	UC	1	7	R								MALE	4
DBF97	1355	UNI	UNI	2	3	F								INDET	4
DBF97	1357	CSZ	HUM	1	16	L								DISTAL SHAFT FRAG	4
DBF97	1357	CSZ	RIB	1	7	F								SHAFT FRAG	4
DBF97	1357	CSZ	RIB	2	4	F								SPLIT RIB FRAG	4
DBF97	1357	OVCA	MTC	1	2	F								SPLIT MIDSHAFT FRAG	4
DBF97	1357	OVCA	MTT	1	1	F								POST SHAFT FRAG	4
DBF97	1357	SSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	1357	SUS	DUI	1	0	W									4
DBF97	1357	SUS	SKL	1	3	L								FRAG PARIETAL-2 PIECES-SMALL-JUV	4
DBF97	1357	SUS	UI	1	1	R								UNWORN	4
DBF97	1357	UNI	UNI	2	1	F								INDET	4
DBF97	1359	OVCA	MTT	1	6	L				DG				MIDSHAFT-DISTAL CHEWED	4
DBF97	1361	CSZ	SKL	1	2	F								INDET	4
DBF97	1361	OVCA	TIB	1	16	R				DG				MIDSHAFT-BOTH ENDS CHEWED	4
DBF97	1361	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	1361	SUS	SKL	1	7	F								PARIETAL FRAG- 2 PIECES	4
DBF97	1362	BOS	FEM	1	20	F								SHAFT FRAG	4
DBF97	1362	BOS	LM3	1	2	F								FRAG LAST COLUMN	4
DBF97	1362	BOS	MAN	1	48	R	45							DORSAL PART ASC RAMUS	4
DBF97	1362	BOS	RAD	1	5	F								SHAFT FRAG WITH PART ULNA SHAFT	4
DBF97	1362	BOS	SKL	1	305	F					I15J14K11			FRAGMENTED-57 PIECES-PREMAX, MAX-NAS-FRNT ETC	4
DBF97	1362	BOS	UM1	1	14	L					I16			ROOT BROKEN	4
DBF97	1362	CSZ	LBF	2	2	F								SHAFT FRAG	4
DBF97	1362	CSZ	RIB	1	32	F			CH					SHAFT FRAG-ONE END CHOPPED	4
DBF97	1362	CSZ	UNI	5	10	F								INDET	4
DBF97	1362	OVCA	DLP4	1	1	R					h12				4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1362	OVCA	DUP3	1	1	R					g12				4
DBF97	1362	OVCA	HUM	1	9	R		690		DG				DISTAL HALF SHAFT-CHEWED	4
DBF97	1362	OVCA	INN	1	1	R		9		DG				FRAG POST ILIAC SHAFT	4
DBF97	1362	OVCA	LI	1	0	R								WELL WORN	4
DBF97	1362	OVCA	LPM4	1	0	R					H10				4
DBF97	1362	OVCA	MAN	1	1	R		2						DIASTEMAL FRAG	4
DBF97	1362	OVCA	MTC	2	4	F								MIDSHAFT FRAG	4
DBF97	1362	OVCA	MTT	2	8	F				DG				MIDSHAFT-ENDS CHEWED	4
DBF97	1362	OVCA	MTT	4	6	F								MIDSHAFT FRAG	4
DBF97	1362	OVCA	RAD	1	1	R								PROX SHAFT FRAG	4
DBF97	1362	OVCA	RAD	1	6	R				DG				MIDSHAFT-BOTH END SCHEWED	4
DBF97	1362	OVCA	TIB	1	8	R				DG				MIDSHAFT-DISTAL END CHEWED	4
DBF97	1362	SSZ	LBF	3	4	F								SHAFT FRAG	4
DBF97	1362	SSZ	LBF	10	8	F								SHAFT FRAG	4
DBF97	1362	SSZ	RIB	17	13	F								SHAFT FRAG	4
DBF97	1362	SSZ	TRV	1	1	F		1						SPINE	4
DBF97	1362	SUS	DLI	2	1	W									4
DBF97	1362	SUS	FEM	1	2	F	PN	1						CAPUT EPI	4
DBF97	1362	SUS	LI	1	0	W									4
DBF97	1362	SUS	LI	1	2	L								SL WEAR	4
DBF97	1362	SUS	MAN	1	12	L					h1117J3K0			3 PIECES	4
DBF97	1362	SUS	MAN	1	6	R		6						ANGLE- 2 PIECES	4
DBF97	1362	SUS	MAN	1	5	L		6						ANGLE-DIIF INDIV FROM ABOVE	4
DBF97	1362	SUS	RIB	1	1	F								PROX SHAFT FRAG	4
DBF97	1362	SUS	SKL	1	4	R		6						SUPRAORBITAL FRAG	4
DBF97	1362	SUS	SKL	1	3	L		6						SUPRAORBITAL FRAG	4
DBF97	1362	UNI	SKL	12	8	F								INDET	4
DBF97	1362	UNI	TTH	2	1	F								ENAMEL FRAGS	4
DBF97	1362	UNI	UNI	29	13	F								INDET	4
DBF97	1363	BOS	UM3	1	33	L					K14			ROOTS BROKEN	4
DBF97	1363	CSZ	RIB	1	3	F								SHAFT FRAG	4
DBF97	1363	CSZ	RIB	1	2	F								SHAFT FRAG- 2 PIECES	4
DBF97	1363	SUS	INN	1	6	L		3						ILIAL SHAFT	4
DBF97	1365	CSZ	LBF	1	15	F								SHAFT FRAG	4



site	Cont.	species	bone	No.	Wt.g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1365	CSZ	TRV	1	8	F								BASE SPINE	4
DBF97	1365	OVCA	INN	1	2	L								ACETABULAR FRAG ISCHIUM	4
DBF97	1365	OVCA	MAN	1	35	R		7			GH10I12J12K9	LM3-21.6		3 PIECES	4
DBF97	1365	OVCA	MAN	1	8	L		457						DORSAL ASC RAMUS	4
DBF97	1365	OVCA	PH3	1	1	L		1						COMPLETE	4
DBF97	1365	OVCA	RAD	1	7	L		3		DG				PROX AND MIDSHAFT-5 PIECES	4
DBF97	1365	OVCA	TIB	1	1	L				DG				PROX SHAFT FRAG-PROX CHEWED	4
DBF97	1365	SSZ	UNI	1	1	F								INDET	3
DBF97	1365	UNI	LBF	1	2	F								SHAFT FRAG	4
DBF97	1365	UNI	MTC	1	3	F								SHAFT FRAG- 2 PIECES	4
DBF97	1365	UNI	UNI	4	2	F								INDET	4
DBF97	1366	BOS	TIB	1	68	L		4		DG				PROX SHAFT-PROX CHEWED-2 PIECES	4
DBF97	1366	CSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	1366	CSZ	TRV	1	28	F	AN	45						PART CENTRUM AND ARCH	4
DBF97	1366	OVCA	LI	1	1	R								SL WEAR	4
DBF97	1366	OVCA	MAN	1	25	L		4578			K9			POST RAMUS- 6 PIECES	4
DBF97	1366	OVCA	MAN	1	9	L		457						DORSAL ASC RAMUS-PROB PART OF ABOVE	4
DBF97	1366	OVCA	MAN	1	23	L					fgh18I12J9K0/1?			M3 LOST BUT IN CRYPT	4
DBF97	1366	OVCA	MTC	1	0	R								FRAG PROX END	4
DBF97	1366	OVCA	MTC	1	2	F								ANT SHAFT FRAG- 2 PIECES	4
DBF97	1366	OVCA	MTT	1	19	R		12				Bp-18.8 Dp-20.7 SD-11.8		PROX END AND SHAFT	4
DBF97	1366	OVCA	MTT	1	6	L				DG				SHAFT-BOTH ENDS CHEWED	4
DBF97	1366	OVCA	MTT	1	11	R		12						PROX HALF	3
DBF97	1366	OVCA	RAD	1	7	L								MIDSHAFT- 2 PIECES	4
DBF97	1366	OVCA	RAD	1	4	L	PF	1		DG				PROX SHAFT FRAG-CHEWED	4
DBF97	1366	SSZ	FEM	1	7	F								SHAFT FRAG	4
DBF97	1366	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	1366	SSZ	UNI	3	0	F								INDET	4
DBF97	1368	BOS	SKL	1	9	L								PREMAXILLA	4
DBF97	1368	CSZ	UNI	6	21	F								POSS PART OF ILIUM	4
DBF97	1368	EQU	INN	1	213	L		3						ILIUM- 2 PIECES	4
DBF97	1371	BOS	FEM	1	67	L		4						DISTAL SHAFT	4
DBF97	1371	CSZ	RIB	1	9	F								FRAG PROX END	4
DBF97	1371	EQU	INN	1	141	L	EF	57						ISCHIUM-POSS PART OF PELVIS IN 1368 - 3 PIECES	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1371	EQU	TRV	1	9	F								POST NEURAL ARCH	4
DBF97	1405	BOS	MTC	1	73	R		1		DG				PROX END AND SHAFT-BOTH ENDS CHEWED	4
DBF97	1405	CSZ	RIB	1	9	L								PROX SHAFT FRAG	4
DBF97	1405	SSZ	FEM	1	7	F								SHAFT FRAG	4
DBF97	1408	CSZ	TIB	1	20	F								SHAFT FRAG	4
DBF97	1413	BOS	AST	1	20	F		1						ERODED	3
DBF97	1413	CSZ	LBF	1	10	F				DG				SHAFT FRAG-CHEWED- 2 PIECES	4
DBF97	1422	BOS	RAD	1	12	R		3	CH					PROX SHAFT FRAG-CHOPPED ACROSS SURFACE	4
DBF97	1422	SSZ	FEM	1	3	F								SHAFT FRAG	4
DBF97	1422	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	1426	BOS	MTC	1	5	F								ANT SHAFT FRAG	4
DBF97	1426	OVCA	LM3	1	6	R					K7				4
DBF97	1426	SSZ	LBF	2	3	F								SHAFT FRAG	4
DBF97	1427	BOS	FEM	1	16	L		4						DISTAL SHAFT FRAG	4
DBF97	1427	BOS	MTC	1	29	L	DF	45	CH					SPLIT DISTAL END-CHOPPED AXIALLY	4
DBF97	1427	CSZ	TRV	1	3	F								FRAG NEURAL ARCH	4
DBF97	1427	EQU	LM	1	11	L								UNEVEN WEAR-VERY WORN	4
DBF97	1427	UNI	UNI	2	1	F								INDET	4
DBF97	1430	BOS	MTC	1	43	R		12		DG		Bp-47.5 Dp-30.1		PROX END-CHEWED	4
DBF97	1442	BOS	MAN	1	177	L		23678			H5112J11K3			FRAGMENTED- 15 PIECES-M3 WITH COLUMN CONGENITALLY ABSENT	4
DBF97	1442	BOS	RAD	1	131	L	PF	123				Bp-83.2		PROX END AND PART SHAFT- 2 PIECES	4
DBF97	1448	CSZ	LBF	1	1	F			B					CALCINED SHAFT FRAG	4
DBF97	1448	CSZ	UNI	1	1	F								INDET	4
DBF97	1448	OVCA	DUP3	1	1	R					g13				4
DBF97	1448	SSZ	FEM	1	1	F								SHAFT FRAG	4
DBF97	1448	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	1448	SUS	RAD	1	2	F				DG				PROX SHAFT-WELL CHEWED	4
DBF97	1453	BOS	INN	1	230	L	EF	234579						ACETAB WITH ILIAL AND ISCHIAL SHAFT- 2 PIECES	4
DBF97	1453	BOS	MAN	1	583	L		1234578			GH11115J15K15	7-145 8-90.5 9-55.5 3-128		COMPLETE- 5 PIECES- COLUMNS RELATIVELY LACKING ON M1-3 SO WEAR MAY BE TOO HEAVY	4
DBF97	1453	BOS	SCP	1	339	L		235				SLC-56.5 BG-51.4		GLENOID NECK AND MOST OF BLADE-FRAGMENTED- 26 PIECES	4
DBF97	1453	BOS	TIB	1	29	R		4						PROX SHAFT-SMALL-JUV-CALF	4
DBF97	1453	SUS	LC	1	1	F								FRAG ENAMEL-MALE	4
DBF97	1454	CSZ	CEV	1	16	F	CF							FRAG WITH CENTRUM AND PART ARCH- 3 PIECES	4
DBF97	1461	SSZ	LBF	1	2	F				DG				SHAFT FRAG-CHEWED	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1468	CSZ	LBF	1	3	F								SHAFT FRAG- 2 PIECES	4
DBF97	1468	SSZ	LBF	1	1	F								SHAFT FRAG 2 PIECES	4
DBF97	1472	BOS	HUM	1	81	L	DF	689		DG				DISTAL END-DAMAGED-CHEWED- 3PIECES	4
DBF97	1472	SSZ	FEM	1	5	F								SHAFT FRAG	4
DBF97	1483	BOS	HUM	1	70	R	DF	89				HT-46		FRAG DISTAL END- 3 PIECES	4
DBF97	1483	BOS	MTC	1	8	F								SHAFT FRAG	4
DBF97	1483	CSZ	CEV	1	6	F								ZYGAPHOYSIS	4
DBF97	1483	CSZ	RIB	1	13	F								SHAFT FRAG	4
DBF97	1483	CSZ	RIB	1	4	F								SHAFT FRAG- 3 PIECES	4
DBF97	1483	CSZ	TRV	1	42	F	CNAN	45						CENTRUM AND NEURAL ARCH- 4 PIECES	4
DBF97	1483	CSZ	UNI	1	13	F								CONCRETED FRAG	4
DBF97	1483	CSZ	UNI	1	5	F								INDET	4
DBF97	1483	OVCA	SCP	1	6	L								DISTAL BLADE FRAG	4
DBF97	1483	OVCA	TIB	1	10	L								DISTAL SHAFT	4
DBF97	1484	BOS	PH1	1	23	R	PD	12						DISTAL END DAMAGED	4
DBF97	1484	BOS	SKL	1	17	F		4						AUDITORY FRAG	4
DBF97	1484	CSZ	LBF	1	9	F								SHAFT FRAG	4
DBF97	1484	CSZ	RIB	1	6	F								SHAFT FRAG	4
DBF97	1484	CSZ	RIB	1	16	L								PROX SHAFT	4
DBF97	1484	CSZ	UNI	1	11	F								FRAG WITH UNF SURFACE	4
DBF97	1484	CSZ	UNI	1	2	F								INDET	4
DBF97	1484	OVCA	FEM	1	22	R		4				SD-15		SHAFT	4
DBF97	1484	OVCA	HUM	1	3	F								SHAFT FRAG	4
DBF97	1484	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	1484	SSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	1491	BOS	HUM	1	32	F				DG				PROX SHAFT FRAG-PROX CHEWED	3
DBF97	1491	BOS	MAN	1	8	F								VENTRAL FRAG HORI RAMUS	4
DBF97	1497	BOS	RAD	1	236	R	PF	123				SD42		PROX END AND SHAFT-EPI DAMAGED- 6 PIECES	4
DBF97	1497	CSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	1497	OVCA	RAD	1	6	L								PROX SHAFT FRAG	4
DBF97	1497	OVCA	RAD	1	2	L								PROX SHAFT FRAG-DIFFERENT INDIV TO ABOVE RAD	4
DBF97	1507	BOS	RAD	1	6	F								SHAFT FRAG WITH PART ULNA SHAFT	4
DBF97	1507	CSZ	HUM	1	19	R								DISTAL SHAFT FRAG	4
DBF97	1507	OVCA	RAD	1	4	L								LATERAL FRAG SHAFT- 2 PIECES	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1507	OVCA	UM3	1	6	R					K11				4
DBF97	1507	SSZ	LBF	2	2	F								SHAFT FRAG	4
DBF97	1507	SSZ	RIB	2	1	F								SHAFT FRAG	4
DBF97	1507	SSZ	UNI	1	1	F								INDET	4
DBF97	1507	UNI	MAN	1	3	R		7						FRAG ANT ASC RAMUS-PIG?	4
DBF97	1510	BOS	UM2	1	27	L					J7			ROOTS BROKEN	4
DBF97	1510	MAN	PAT	1	12	W		1							4
DBF97	1510	MAN	RIB	1	2	F								SHAFT FRAG- 3 PIECES	4
DBF97	1510	MAN	TAR	1	4	W		1							4
DBF97	1510	MAN	UNI	1	5	F								NOT IDENTIFIED	4
DBF97	1510	OVCA	DLP4	1	2	L					h13			COMPLETE	4
DBF97	1527	BOS	FEM	1	22	F	PC	1						HEAD ONLY	3
DBF97	1527	BOS	SCP	1	11	L								DISTAL CRANIAL MARGIN OF BLADE	3
DBF97	1530	BOS	HUM	1	31	L		9						DISTAL SHAFT FRAG	4
DBF97	1530	BOS	HUM	1	63	L	PF	1						HEAD ONLY	3
DBF97	1530	BOS	MTT	1	3	F								ANT SHAFT FRAG	4
DBF97	1530	CSZ	LBF	1	5	F								SHAFT FRAG	4
DBF97	1530	CSZ	RIB	1	5	F			CH					SHAFT FRAG-REPEATEDLY CHOPPED	4
DBF97	1530	CSZ	RIB	1	4	F								SHAFT FRAG	4
DBF97	1530	CSZ	RIB	1	16	F								SHAFT FRAG - 2 PIECES	4
DBF97	1530	OVCA	HUM	1	5	R		0		DG				MIDSHAFT-CHEWED	4
DBF97	1530	OVCA	MTC	1	1	R		12						PROX END	4
DBF97	1530	OVCA	RAD	1	5	R								LATERAL SHAFT-2 PIECES	4
DBF97	1530	OVCA	TIB	1	7	R		4		DG				PROX SHAFT FRAG-SL CHEWED	4
DBF97	1530	OVCA	UM2	1	5	R					J8				4
DBF97	1530	SSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	1532	BOS	LPM3	1	2	L					G9			COMPLETE	4
DBF97	1532	BOS	MAN	1	11	F								FRAGMENTED HORI RAMUS- SMALL-CALF- 6 PIECES	4
DBF97	1532	BOS	SCP	1	3	F		4						SPINE	4
DBF97	1532	BOS	SCP	1	20	L		5						DISTAL BLADE- 2 PIECES- SMALL-CALF	4
DBF97	1532	CSZ	LBF	1	3	F								SHAFT FRAG-POROUS	4
DBF97	1532	CSZ	RIB	2	11	F								SHAFT FRAG	4
DBF97	1532	OVCA	TIB	1	6	L				DG				DISTAL SHAFT-DISTAL CHEWED	4
DBF97	1532	SSZ	RIB	1	1	F								SHAFT FRAG- 2 PIECES	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1532	SSZ	RIB	4	9	F								SHAFT FRAG	4
DBF97	1532	SUS	MC5	1	3	L	DN	12						PROX END AND SHAFT	4
DBF97	1532	UNI	SKL	1	2	F								INDET	4
DBF97	1537	CSZ	LBF	1	7	F								SHAFT FRAG	4
DBF97	1537	OVCA	UM2	1	5	L					J11			SHAFT FRAG	4
DBF97	1537	SSZ	FEM	1	3	F								LATERAL FRAG SHAFT	4
DBF97	1550	OVCA	RAD	1	1	L								MIDSHAFT FRAG	4
DBF97	1552	OVCA	MTT	1	4	F								SHAFT FRAG	4
DBF97	1552	SSZ	LBF	2	1	F								SHAFT FRAG	4
DBF97	1553	BOS	LM1	1	5	F					116			ONE CUSP ONLY	4
DBF97	1553	BOS	MAN	1	9	R		7						ANT FRAG ASC RAMUS	4
DBF97	1553	BOS	MAN	1	11	R		5		DG				FRAG WITH CONDYLE	4
DBF97	1553	BOS	MAN	1	20	R		68		DG				ANGLE-HEAVILY CHEWED	4
DBF97	1553	BOS	RAD	1	78	R	PF	13				SD-34.6		PROX END-EPI BROKEN	4
DBF97	1553	BOS	SCP	1	15	L								DISTAL FRAG BLADE	4
DBF97	1553	CHIK	MTT	1	2	F								DISTAL SHAFT FRAG	4
DBF97	1553	CSZ	CEV	1	20	F								DORSAL FRAG WITH ZYGAPOPHYSES	4
DBF97	1553	CSZ	FEM	1	20	F			CH					SHAFT FRAG-CHOPPED	4
DBF97	1553	CSZ	LBF	10	40	F								SHAFT FRAG	4
DBF97	1553	CSZ	LBF	1	5	F				DG				SHAFT FRAG-PORX CHEWED	4
DBF97	1553	CSZ	LBF	2	33	F								SHAFT FRAG	4
DBF97	1553	CSZ	LBF	1	14	F								SHAFT FRAG-HORSE?	4
DBF97	1553	CSZ	LBF	1	10	F								SHAFT FRAG	4
DBF97	1553	CSZ	MAN	4	7	F								LATERAL FRAGS HORI RAMUS	4
DBF97	1553	CSZ	RIB	5	27	F								SHAFT FRAG	4
DBF97	1553	CSZ	RIB	1	0	F								SHAFT FRAG	4
DBF97	1553	CSZ	SCP	2	5	F								BLADE FRAG	4
DBF97	1553	CSZ	TRV	1	8	F								BASE SPINE- 2 PIECES	4
DBF97	1553	CSZ	UNI	3	10	F								INDET	4
DBF97	1553	OVCA	HUM	1	12	L	DF	6789				BT-25.8 HT-16.8		DISTAL END	4
DBF97	1553	OVCA	HUM	1	3	F		0						SHAFT FRAG	4
DBF97	1553	OVCA	LM2	1	3	R					J9				4
DBF97	1553	OVCA	LM2	1	1	R					J6			ANT CUSP ONLY	4
DBF97	1553	OVCA	LM2	1	3	R					J10				4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1553	OVCA	LM3	1	4	R					K6				4
DBF97	1553	OVCA	MAN	1	1	L		2						DIATEMAL FRAG	4
DBF97	1553	OVCA	MAN	1	2	L		7						ANT FRAG ASC RAMUS	4
DBF97	1553	OVCA	MAN	1	27	L		7			H13I13J12K11			HORI RAMUS WITH TOOTH ROW	4
DBF97	1553	OVCA	MAN	1	5	L		578						PART ASCENDING RAMUS WITH CONDYLE-POROUS-JUV	4
DBF97	1553	OVCA	MTT	2	2	F								SHAFT FRAG	4
DBF97	1553	OVCA	RAD	1	3	L		3		DG				PROX SHAFT FRAG-CHEWED	4
DBF97	1553	OVCA	RAD	1	3	L								LATERAL SHAFT FRAG - 2 PIECES	4
DBF97	1553	OVCA	RAD	1	6	R		3						MIDSHAFT	3
DBF97	1553	OVCA	UM2	1	3	L					J9				4
DBF97	1553	SSZ	FEM	1	3	F								SHAFT FRAG	4
DBF97	1553	SSZ	HUM	1	1	F								SHAFT FRAG	4
DBF97	1553	SSZ	LBF	3	5	F								SHAFT FRAG	4
DBF97	1553	SSZ	LBF	2	7	F								SHAFT FRAG	4
DBF97	1553	SSZ	LBF	1	2	F				DG				PROX SHAFT FRAG-CHEWED	4
DBF97	1553	SSZ	LBF	1	2	F				DG				SHAFT FRAG-CHEWED	4
DBF97	1553	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	1553	SSZ	LBF	5	6	F								SHAFT FRAG	4
DBF97	1553	SSZ	LBF	14	18	F								SHAFT FRAG	4
DBF97	1553	SSZ	RIB	5	5	F								SHAFT FRAG	4
DBF97	1553	SSZ	SCP	1	2	F								FRAG CAUDAL MARGIN	4
DBF97	1553	SSZ	SCP	1	1	F								FRAG DISTAL BLADE	4
DBF97	1553	SSZ	TIB	2	7	F								SHAFT FRAG	4
DBF97	1553	SUS	HUM	1	9	L		69						DISTAL SHAFT	4
DBF97	1553	SUS	LM3	1	9	W					K8	LM3-32.9		COMPLETE	4
DBF97	1553	SUS	SCP	1	4	R		5						DISTAL PART CAUDAL MARGIN OF BLADE	4
DBF97	1553	SUS	UI	1	2	L								NO WEAR	4
DBF97	1553	SUS	ULN	1	14	L		23		DG				SEMILUNARIS AND SHAFT-BOTH ENDS CHEWED	4
DBF97	1553	UNI	UNI	8	2	F								INDET	4
DBF97	1554	BOS	FEM	1	72	L		4						DISTAL SHAFT RFRAG	5
DBF97	1556	BOS	SCP	1	19	R								FRAG CAUDAL MARGIN OF BLADE	4
DBF97	1556	CSZ	UNI	1	4	F								INDET	4
DBF97	1559	BOS	SCP	1	151	L	DF	12345				BG-39 SLC-36.2		GLENOID NECK AND MOST OF BLADE-FRAGMENTED- 16 PIECES	4
DBF97	1559	BOS	TIB	1	379	R	PNDP	4567				SD-36.4 Bd-61 Dd-43.5		DISTAL END AND SHAFT	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1584	SSZ	RIB	1	0	F								SHAFT FRAG	4
DBF97	1585	UNI	UNI	1	1	F								INDET	4
DBF97	1588	SSZ	UNI	1	1	F								INDET	4
DBF97	1672	BOS	MTT	1	55	R		2						PROX END- 3 PIECES	4
DBF97	1672	BOS	PH1	1	18	R	PF	12						PROX END DAMAGED	4
DBF97	1672	BOS	TIB	1	64	R	DF	567				Bd-53.4 Dd-39		DISTAL END- 2 PIECES	4
DBF97	1672	CSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	1672	CSZ	RIB	2	3	F								SHAFT FRAG	4
DBF97	1672	CSZ	SCP	1	4	F								FRAG CAUDAL MARGIN	4
DBF97	1672	CSZ	SCP	1	10	F								FRAG CAUDAL MARGIN OF BLADE	4
DBF97	1672	CSZ	UNI	3	7	F								INDET	4
DBF97	1672	OVCA	MTC	1	3	F								DISTAL SHAFT FRAG	4
DBF97	1672	OVCA	MTC	1	3	F								MIDSHAFT FRAG	4
DBF97	1672	OVCA	TIB	1	8	L								MIDSHAFT	4
DBF97	1672	SSZ	FEM	2	6	F								SHAFT FRAG	4
DBF97	1672	SSZ	RIB	1	2	L								PROX SHAFT FRAG	4
DBF97	1672	SUS	DLI	2	2	W								SL WEAR	4
DBF97	1672	SUS	LM3	1	9	W				K7		LM3-31			4
DBF97	1674	BOS	MAN	1	6	F								LATERAL FRAG HORI RAMUS	4
DBF97	1674	BOS	MAN	1	16	R		6						FRAG ANGLE	4
DBF97	1674	BOS	SKL	1	6	L								FRAG OF TEMPORAL	4
DBF97	1674	BOS	SKL	1	5	F								FRONTAL FRAG WITH BASE CORE	4
DBF97	1674	CSZ	LBF	1	5	F								SHAFT FRAG	4
DBF97	1674	OVCA	TIB	1	17	L		4		DG				SHAFT-4 PIECES-DISTAL CHEWED	4
DBF97	1674	SSZ	LBF	1	3	F								SHAFT FRAG- 2 PIECES	4
DBF97	1674	SSZ	RIB	1	1	F								DISTAL SHAFT	4
DBF97	1676	SUS	SCP	1	5	R		3		DG				DISTAL BLADE-PROX CHEWED	4
DBF97	1678	BOS	FEM	1	16	F	PF	1	CH				P	EBURNATED HEAD CHARRED	4
DBF97	1678	BOS	HC	2	34	F								CORE FRAG	4
DBF97	1678	BOS	HC	3	8	F								FRAG	4
DBF97	1678	BOS	HUM	1	17	R				DG				DISTAL SHAFT-DIST END CHEWED	4
DBF97	1678	BOS	INN	1	14	L		4						ANT PART PUBIS	4
DBF97	1678	BOS	MAN	1	8	L		23						DIASTEMAL FRAG	4
DBF97	1678	BOS	MAN	1	122	R		678			J12			POST RAMUS- 7 PIECES	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1678	BOS	MAN	1	120	R		78			K15			POST HORI RAMUS- 3 PIECES	4
DBF97	1678	BOS	RAD	1	37	R	PF	12	CH					PROX END-DAMAGED- 2 PIECES	4
DBF97	1678	BOS	SKL	1	10	L								PREMAXILLA	4
DBF97	1678	BOS	SKL	1	20	R								ZYGOMATIC	4
DBF97	1678	BOS	SKL	1	6	F								FRAG OCCIPITAL CONDYLE	4
DBF97	1678	BOS	SKL	1	7	R								NASAL	4
DBF97	1678	BOS	TTH	1	4	F								CUSP FRAG	4
DBF97	1678	CSZ	CEV	1	6	F			CH					DORSAL FRAG-ZYGAPOPHYSIS-CHOPPED	4
DBF97	1678	CSZ	CEV	1	18	F								DORSAL FRAG WITH ZYGAPOPHYSIS	4
DBF97	1678	CSZ	HUM	1	16	F								SHAFT FRAG	4
DBF97	1678	CSZ	HUM	1	22	F								SHAFT FRAG	3
DBF97	1678	CSZ	LBF	3	28	F								SHAFT FRAG	4
DBF97	1678	CSZ	LBF	4	6	F								SHAFT FRAG	4
DBF97	1678	CSZ	LBF	1	9	F								SHAFT FRAG	3
DBF97	1678	CSZ	LMV	1	3	F								TRANS PROCESS	4
DBF97	1678	CSZ	RIB	1	23	F								SHAFT FRAG	4
DBF97	1678	CSZ	RIB	2	5	F								SHAFT FRAG	4
DBF97	1678	CSZ	RIB	1	36	F			CH					SHAFT FRAG-REPEATEDLY CHOPPED	4
DBF97	1678	CSZ	SKL	20	47	F								CRANIAL FRAGS	4
DBF97	1678	CSZ	SKL	1	1	F			B					CHARRED FRAG	4
DBF97	1678	CSZ	TIB	1	13	F								SHAFT FRAG	4
DBF97	1678	CSZ	TTH	2	5	F								ROOT	4
DBF97	1678	CSZ	UNI	3	8	F								INDET	4
DBF97	1678	CSZ	UNI	12	27	F								INDET	4
DBF97	1678	EQU	INN	1	28	L		7						ACETABULAR FRAG ISCHIUM	4
DBF97	1678	EQU	PH1	1	23	F	PF	1						PROX HALF	3
DBF97	1678	EQU	VER	1	7	F								BASE SPINE	4
DBF97	1678	MAN	SKL	1	6	F								FRAG CRANIAL VAULT	4
DBF97	1678	OVCA	HUM	1	12	R		69		DG				DISTAL HALF SHAFT-DISTAL END CHEWED OFF	4
DBF97	1678	OVCA	HUM	1	8	R		69		DG				DISTAL SHAFT-DIST END CHEWED OFF	4
DBF97	1678	OVCA	LPM3	1	0	L					G11				4
DBF97	1678	OVCA	MAN	1	4	L								MEDIAL FRAG HORI RAMUS	4
DBF97	1678	OVCA	MTC	2	6	F				DG				SHAFT FRAG-CHEWED	4
DBF97	1678	OVCA	MTP	1	4	R	DF	345		DG				DISTAL END-CHEWED	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1678	OVCA	MTT	1	8	F				DG				SHAFT-DIST END CHEWED	4
DBF97	1678	OVCA	MTT	1	2	F								SHAFT-VERY SMALL-POROUS-LAMB/NEONATE	4
DBF97	1678	OVCA	RAD	1	7	R	DF	456				Bd-24.3		DISTAL END	4
DBF97	1678	OVCA	RAD	1	3	R				DG				PROX SHAFT FRAG-CHEWED	4
DBF97	1678	OVCA	TIB	1	13	L				DG		SD-15.2		DISTAL SHAFT-DIST CHEWED	5
DBF97	1678	OVCA	TIB	1	13	L				DG		SD-12.8		MIDSHAFT-BOTH ENDS CHEWED	4
DBF97	1678	OVCA	TIB	1	13	R		4						PROX HALF SHAFT	4
DBF97	1678	OVCA	TIB	1	25	L	DF	4567		DG		SD-12.1 Bd-22 Dd-16.5		DISTAL END AND SHAFT-PROX CHEWED	4
DBF97	1678	OVCA	TIB	1	8	L				DG				DISTAL SHAFT-CHEWED	3
DBF97	1678	SSZ	LBF	7	6	F								SHAFT FRAG	4
DBF97	1678	SSZ	LBF	2	4	F								SHAFT FRAG	4
DBF97	1678	SSZ	LBF	3	5	F								SHAFT FRAG	3
DBF97	1678	SSZ	RIB	2	3	F								SHAFT FRAG	4
DBF97	1678	SSZ	RIB	4	2	F								SHAFT FRAG	4
DBF97	1678	SSZ	TIB	1	3	F								SHAFT FRAG	4
DBF97	1678	SUS	LI	1	3	L								NO WEAR	4
DBF97	1678	SUS	LI	1	3	R								SL WEAR	4
DBF97	1678	SUS	MAX	1	20	R					fgh1117J4K1			5 PIECES	4
DBF97	1678	SUS	SKL	1	3	R								ZYGOMATIC ARCH	4
DBF97	1678	SUS	UI	1	1	R								NO WEAR	4
DBF97	1678	UNI	UNI	7	4	F								INDET	4
DBF97	1678	UNI	UNI	1	2	F								INDET	4
DBF97	1679	CSZ	LBF	1	7	F								SHAFT FRAG	3
DBF97	1679	UNI	UNI	1	1	F								INDET	4
DBF97	1682	CSZ	LBF	4	9	F								SHAFT FRAG	4
DBF97	1682	CSZ	LMV	1	4	F								TRANS PROCESS	4
DBF97	1682	CSZ	RIB	1	1	F								SPLIT SHAFT FRAG	4
DBF97	1682	CSZ	TTH	1	5	F								ENAMEL-2 PIECES	3
DBF97	1682	OVCA	MTT	1	3	F								SHAFT FRAG	4
DBF97	1682	OVCA	RAD	1	3	F				DG				SHAFT FRAG-DISTAL CHEWED	4
DBF97	1682	SSZ	LBF	1	0	F								SHAFT FRAG	4
DBF97	1682	SSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	1682	UNI	UNI	3	1	F								INDET	4
DBF97	1683	BOS	HUM	1	16	F				DG				PROX SHAFT FRAG-PROX CHEWED	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1683	BOS	HUM	1	30	R		5						PROX SHAFT FRAG	4
DBF97	1683	BOS	HUM	1	16	F		0						SHAFT FRAG	4
DBF97	1683	BOS	INN	1	20	R		4						PUBIC FRAG ACETAB	4
DBF97	1683	BOS	LM2	1	16	L					J7			ROOTS BROKEN	4
DBF97	1683	BOS	MAN	1	139	L		123			gh14I11J6			2 PIECES- M3 LOST BUT NOT UP	4
DBF97	1683	BOS	MAN	1	25	L		5						CONDYLE	4
DBF97	1683	BOS	MAN	1	44	R		2			F			DIASTEMAL FRAG	4
DBF97	1683	BOS	MAX	1	24	L					h16H3G3			P4 PUSHING OUT DP4-3 PIECES	4
DBF97	1683	BOS	SCP	1	18	L		2						FRAG GLENOID	4
DBF97	1683	BOS	SKL	1	14	F								FRONTAL FRAG	4
DBF97	1683	BOS	TIB	1	82	L	DF	567				Bd-58.6 Dd-43.1		DISTAL END	4
DBF97	1683	BOS	ULN	1	7	R								PROX SHAFT FRAG	4
DBF97	1683	BOS	UM1	1	19	L					I15			COMPLETE	4
DBF97	1683	CHIK	COR	1	1	R								SHAFT	4
DBF97	1683	CSZ	HUM	1	19	F	PF	1		DG				FRAG HEAD-CHEWED	4
DBF97	1683	CSZ	LBF	7	68	F								SHAFT FRAG	4
DBF97	1683	CSZ	LBF	1	6	F								SHAFT FRAG	3
DBF97	1683	CSZ	MAN	2	4	F								FRAG WITH ALVEOLI	4
DBF97	1683	CSZ	RIB	3	41	F								SHAFT FRAG	4
DBF97	1683	CSZ	RIB	1	3	F								SHAFT FRAG	4
DBF97	1683	CSZ	SKL	5	12	F								FRAG	4
DBF97	1683	CSZ	TRV	1	3	F								FRAG BASE SPINE	4
DBF97	1683	CSZ	UNI	1	3	F				DG				FRAG-CHEWED	4
DBF97	1683	CSZ	UNI	5	19	F								INDET	4
DBF97	1683	CSZ	UNI	1	3	F								INDET	4
DBF97	1683	CSZ	UNI	5	7	F								INDET	4
DBF97	1683	OVCA	LM2	1	4	L					J11			COMPLETE	4
DBF97	1683	OVCA	MAN	1	33	R		123			I12J10K5			ANT RAMUS- 3 PIECES	4
DBF97	1683	OVCA	MAN	1	2	L		8						POST VENTRAL FRAG ASC RAMUS	4
DBF97	1683	OVCA	MTC	1	4	F								SHAFT FRAG	4
DBF97	1683	OVCA	MTC	1	4	F								DISTAL SHAFT-POROUS	4
DBF97	1683	OVCA	RAD	1	4	L				DG				SHAFT FRAG-CHEWED	4
DBF97	1683	OVCA	TIB	1	12	R				DG				DISTAL SHAFT-DIST CHEWED	4
DBF97	1683	OVCA	UM2	1	6	L					J10			ROOTS BROKEN	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1683	SSZ	FEM	1	4	F								SHAFT FRAG	4
DBF97	1683	SSZ	FEM	1	6	F								MIDSHAFT-POROUS-POSS PIG	4
DBF97	1683	SSZ	LBF	1	2	F								SHAFT FRAG-POROUS	4
DBF97	1683	SSZ	LBF	3	5	F				DG				SHAFT FRAG-CHEWED	4
DBF97	1683	SSZ	LBF	6	7	F								SHAFT FRAG	4
DBF97	1683	SSZ	LBF	1	7	F								SHAFT FRAG-PIG?	4
DBF97	1683	SSZ	RIB	2	1	F								SHAFT FRAG	4
DBF97	1683	SSZ	RIB	6	7	F								SHAFT FRAG	4
DBF97	1683	SSZ	UNI	1	1	F								INDET	4
DBF97	1683	SUS	MAN	1	20	R		78						M3 UP AND LOST	4
DBF97	1683	SUS	SCP	1	8	L		345						DISTAL HALF BLADE	4
DBF97	1683	UNI	TTH	2	1	F								ROOT AND ENAMEL FRAG	4
DBF97	1683	UNI	UNI	6	4	F								INDET	4
DBF97	1686	BOS	INN	1	21	R		4		DG				ACETAB FRAG PUBIS-CHEWED	4
DBF97	1686	BOS	RAD	1	19	L		3						PROX SHAFT FRAG	4
DBF97	1686	BOS	RAD	1	57	L	PF	1	CH					SPLIT PROX END-CHOPPED AXIALLY ON SHAFT	4
DBF97	1686	BOS	RAD	1	38	L	DN	45						DISTAL EPI	4
DBF97	1686	BOS	SCP	1	30	L								DISTAL CRANIAL BLADE FRAG	4
DBF97	1686	CSZ	LBF	1	9	F								SHAFT FRAG	4
DBF97	1686	CSZ	SCP	8	17	F								BLADE FRAGS	4
DBF97	1686	CSZ	UNI	6	9	F								INDET	4
DBF97	1686	EQU	SCP	1	22	R								CAUDAL MARGIN OF BLADE	4
DBF97	1686	OVCA	LM2	1	2	L					J9			ROOTS BROKEN	4
DBF97	1686	OVCA	UM2	1	4	R					J12			COMPLETE	4
DBF97	1686	SSZ	LBF	2	1	F								SHAFT FRAG	4
DBF97	1687	BOS	INN	1	37	F	EF							LATERAL FRAG ACETAB	4
DBF97	1687	BOS	LM2	1	16	L					J12			ROOTS BROKEN	4
DBF97	1687	BOS	MTT	1	9	L		2						FRAG PROX END	4
DBF97	1687	BOS	MTT	1	25	L		1		DG				FRAG PROX END-CHEWED- 2 PIECES	4
DBF97	1687	BOS	PH1	1	2	F								FRAG DISTAL END	4
DBF97	1687	BOS	UM1	1	16	L					I15			COMPLETE	4
DBF97	1687	CSZ	LBF	5	26	F								SHAFT FRAG	4
DBF97	1687	CSZ	UNI	3	10	F								INDET	4
DBF97	1687	OVCA	LM3	1	4	R					K13			COLUMN BROKEN	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1687	OVCA	MTT	1	5	F								DISTAL SHAFT FRAG	4
DBF97	1687	OVCA	RAD	1	2	R		3						PROX SHAFT FRAG	4
DBF97	1687	OVCA	TIB	1	3	F				DG				DISTAL SHAFT FRAG-CHEWED	4
DBF97	1687	OVCA	UM2	1	4	R					J7				4
DBF97	1687	SSZ	LBF	1	0	F								SHAFT FRAG	4
DBF97	1687	SSZ	RIB	3	5	F								SHAFT FRAG	4
DBF97	1687	SSZ	SCP	1	3	F								FRAG BLADE	4
DBF97	1687	SUS	SCP	1	6	R		5						DISTAL CAUDAL MARGIN OF BLADE	4
DBF97	1687	UNI	UNI	4	2	F								INDET	4
DBF97	1688	BOS	HUM	1	7	R		9		DG				DISTAL SHAFT FRAG	4
DBF97	1688	BOS	HUM	1	25	L								MIDSHAFT FRAG	4
DBF97	1688	BOS	HUM	1	33	F		0	CH					MIDSHAFT FRAG-CHOPPED	4
DBF97	1688	BOS	HUM	1	46	R		690		DG				DISTAL HALF SHAFT-DIST CHEWED OFF	4
DBF97	1688	BOS	LM2	1	21	L					I/J15			COMPLETE-M1 OR 2?	4
DBF97	1688	BOS	MAN	1	15	R		7						ANT FRAG ASC RAMUS	4
DBF97	1688	BOS	MAN	1	14	L		23						DIASTEMAL FRAG	4
DBF97	1688	BOS	MAN	1	17	L				DG				ANT VENTRAL PART RAMUS- 2 PIECES-CHEWED	4
DBF97	1688	BOS	MAN	1	20	L		6						ANGLE	4
DBF97	1688	BOS	MTT	1	102	L		12		DG				SHAFT AND PART PROX END- BOTH ENDS CHEWED	4
DBF97	1688	BOS	TIB	1	98	R		4		DG				SHAFT-DISTAL END CHEWED- SMALL-JUV	4
DBF97	1688	BOS	ULN	1	3	F								SHAFT FRAG	4
DBF97	1688	CSZ	LBF	9	44	F								SHAFT FRAG	4
DBF97	1688	CSZ	LBF	1	9	F								SHAFT FRAG	4
DBF97	1688	CSZ	LBF	1	5	F								SHAFT FRAG-POROUS	4
DBF97	1688	CSZ	LBF	2	10	F								SHAFT FRAG	4
DBF97	1688	CSZ	LBF	1	3	F				DG				SHAFT FRAG-CHEWED	4
DBF97	1688	CSZ	LBF	1	15	F				DG				SHAFT FRAG-CHEWED	4
DBF97	1688	CSZ	LBF	1	23	F			CH					SHAFT FRAG-CHOPPED	4
DBF97	1688	CSZ	LMV	1	16	F	CNAN	4						CENTRUM	4
DBF97	1688	CSZ	RIB	1	3	R								PROX SHAFT FRAG	4
DBF97	1688	CSZ	RIB	1	9	L								PROX SHAFT	4
DBF97	1688	CSZ	RIB	10	105	F								SHAFT FRAG	4
DBF97	1688	CSZ	UNI	7	12	F								INDET	4
DBF97	1688	CSZ	UNI	5	18	F								INDET	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1688	EQU	PH2	1	44	W	PF	12				Bp-55		COMPLETE	4
DBF97	1688	EQU	TIB	1	57	R		4						MIDSHAFT FRAG-2 PIECES	4
DBF97	1688	OVCA	CAL	1	7	L	PF	123				GL-51.2 Dp-16.7		COMPLETE	4
DBF97	1688	OVCA	FEM	1	5	L	PNDN	34						SHAFT-LAMB	4
DBF97	1688	OVCA	HUM	1	3	L	DF	8	KN					DISTAL LATERAL FRAG	4
DBF97	1688	OVCA	MAN	1	24	R		23			I15J13			ANT HORI RAMUS	4
DBF97	1688	OVCA	MAN	1	29	L		2			gH2I12J10K6			RAMUS WITH TOOTH ROW- 2 PIECES	4
DBF97	1688	OVCA	MTC	1	4	R				DG				PROX SHAFT-PROX END CHEWED	4
DBF97	1688	OVCA	MTC	1	5	F				DG				DISTAL SHAFT-DIST CHEWED	4
DBF97	1688	OVCA	MTC	1	2	F								DISTAL SHAFT FRAG	4
DBF97	1688	OVCA	MTT	1	2	R								MIDSHAFT-SMALL-POROUS-LAMB	4
DBF97	1688	OVCA	RAD	1	11	R				DG				MIDSHAFT-DISTAL CHEWED	4
DBF97	1688	OVCA	RAD	1	13	R	PF	1236						PROX END AND SHAFT-IMM	4
DBF97	1688	OVCA	SCP	1	6	R		5		DG				CAUDAL MARGIN OF BLADE-DIST CHEWED	4
DBF97	1688	OVCA	SCP	1	3	R								DISTAL BLADE FRAG	4
DBF97	1688	OVCA	SKL	1	3	R								NASAL	4
DBF97	1688	OVCA	TIB	1	7	R								MIDSHAFT	4
DBF97	1688	OVCA	TIB	1	17	R				DG		SD-12		SHAFT-BOTH ENDS CHEWED	4
DBF97	1688	OVCA	TIB	1	22	L				DG		SD-13.5		SHAFT-PROX CHEWED	4
DBF97	1688	OVCA	TIB	1	25	R				DG		SD-13.6		SHAFT-BOTH ENDS CHEWED	4
DBF97	1688	OVCA	TTH	1	1	F								TOOTH FRAG	4
DBF97	1688	OVCA	UM	1	1	F								ONE CUSP	4
DBF97	1688	OVCA	UM2	1	6	R					J9			COMPLETE	4
DBF97	1688	OVCA	UM2	1	6	R					J9			BROKEN	4
DBF97	1688	OVCA	UM3	1	7	L					K8			COMPLETE	4
DBF97	1688	SSZ	LBF	1	2	F				DG				SHAFT FRAG	4
DBF97	1688	SSZ	LBF	5	9	F								SHAFT FRAG	4
DBF97	1688	SSZ	LBF	1	4	F								SHAFT FRAG	4
DBF97	1688	SSZ	RIB	5	8	F								SHAFT FRAG	4
DBF97	1688	SSZ	TRV	1	3	F	CN							FRAG NEURAL ARCH	4
DBF97	1688	SUS	HUM	1	19	L		69		DG				DISTAL HALF SHAFT-DIST CHEWED	4
DBF97	1688	SUS	HUM	1	25	R		69		DG				DISTAL HALF SHAFT-DIST CHEWED	4
DBF97	1688	SUS	LM3	1	9	W					K8	LM3-32		COMPLETE	4
DBF97	1688	SUS	LMV	1	5	F	CNAN	145						CENTRUM AND ARCH	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1688	SUS	TIB	1	8	R								SHAFT FRAG	4
DBF97	1688	UNI	UNI	4	3	F								INDET	4
DBF97	1691	BOS	ATL	1	10	F								DORSAL FRAG	4
DBF97	1691	BOS	CAL	1	67	R		23						DISTAL TWO THIRDS	4
DBF97	1691	BOS	MAX	1	9	L					g12h15			LOOSE TEETH	4
DBF97	1691	BOS	MTT	1	21	L			DG					ANT FRAG PROX END-PROX CHEWED	4
DBF97	1691	BOS	SKL	1	10	F								FACIAL FRAG- 3 PIECES	4
DBF97	1691	BOS	TIB	1	10	F	DN							FRAG DISTAL SHAFT	4
DBF97	1691	BOS	UM2	1	22	L					J15			COMPLETE	4
DBF97	1691	CSZ	HUM	1	13	F								FRAG DISTAL CONDYLE	4
DBF97	1691	CSZ	LBF	1	6	F								SHAFT FRAG	4
DBF97	1691	CSZ	LBF	4	12	F								SHAFT FRAG	4
DBF97	1691	CSZ	LBF	1	16	F								SHAFT FRAG-2 PIECES	4
DBF97	1691	CSZ	MAN	1	3	F								AVEOLAR FRAG	4
DBF97	1691	CSZ	SCP	2	12	F								BLADE FRAG	4
DBF97	1691	CSZ	UNI	3	14	F								INDET	4
DBF97	1691	GOOS	ULN	1	3	R								DISTAL SHAFT	4
DBF97	1691	OVCA	FEM	1	7	R		3						PROX SHAFT FRAG	4
DBF97	1691	OVCA	HUM	1	3	F								SHAFT FRAG	4
DBF97	1691	OVCA	LM2	1	3	L					J12			COMPLETE	4
DBF97	1691	OVCA	SKL	1	1	L								NASAL	4
DBF97	1691	SSZ	HUM	3	8	F								SHAFT FRAG	4
DBF97	1691	SSZ	LBF	4	6	F								SHAFT FRAG	4
DBF97	1691	SSZ	LBF	1	2	F								SHAFT FRAG	3
DBF97	1691	SSZ	RIB	2	3	F								SHAFT FRAG	4
DBF97	1691	SUS	LI	1	3	L								SL WEAR	4
DBF97	1691	UNI	UNI	3	5	F								INDET	4
DBF97	1692	OVCA	FEM	1	6	L								ANT SHAFT FRAG	4
DBF97	1692	OVCA	MAN	1	7	L								POST VENTRAL HORI RAMUS FRAG	4
DBF97	1692	OVCA	MAN	1	6	R					I11J9			LOOSE TEETH	4
DBF97	1692	OVCA	SCP	1	2	L								DISTAL BLADE FRAG	4
DBF97	1692	OVCA	SCP	1	14	L		35	DG					DISTAL HALF OF BLADE- DISTAL CHEWED	4
DBF97	1692	OVCA	ULN	1	1	F								SHAFT FRAG	4
DBF97	1692	SSZ	LBF	1	2	F			B					CALCINED SHAFT FRAG	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1692	SSZ	LBF	1	5	F								SHAFT FRAG	4
DBF97	1692	SSZ	RIB	5	2	F								SHAFT	4
DBF97	1692	SUS	HUM	1	4	L								DISTAL SHAFT FRAG	4
DBF97	1693	OVCA	UM3	1	6	R					K14			COMPLETE	4
DBF97	1694	OVCA	MTC	1	4	F			DG					MIDSHAFT FRAG	4
DBF97	1694	SSZ	UNI	1	0	F								INDET	4
DBF97	1698	MAN	SKEL	1	50	P								FRAGMENTS OF SKEL WITH PHALANGES- 26 FRAGMENTS AND PHALANGES	3
DBF97	1700	BOS	FEM	1	18	F	PF	1		DG				CHEWED CAPUT	4
DBF97	1700	BOS	HUM	1	22	R		9						DISTAL SHAFT FRAG	4
DBF97	1700	BOS	MAN	1	35	R		68		DG				POST VENTRAL ASC RAMUS-POROUS-IMM-CHEWED	4
DBF97	1700	BOS	MAN	1	21	L		5		DG				CONDYLE-CHEWED	4
DBF97	1700	BOS	MTT	1	37	L				DG				SHAFT-PROX END CHEWED	4
DBF97	1700	BOS	MTT	1	15	L		2						FRAG PROX END	4
DBF97	1700	BOS	TIB	1	88	R		4						PROX SHAFT	4
DBF97	1700	CSZ	LBF	4	21	F								SHAFT FRAG	4
DBF97	1700	CSZ	LBF	1	12	F								SHAFT FRAG	4
DBF97	1700	CSZ	LMV	1	40	F	CN	4	CH					ANT CENTRUM AND FRAG ARCH-CHOPPED TRANSVERSELY POST	4
DBF97	1700	CSZ	RIB	1	18	F			CH					SHAFT FRAG-CHOPPED	4
DBF97	1700	CSZ	SCP	1	9	F								FRAG CAUDAL MARGIN OF BLADE	4
DBF97	1700	CSZ	SKL	1	1	F								FRAG	4
DBF97	1700	CSZ	SKL	1	3	F								FRAG	4
DBF97	1700	CSZ	TIB	1	23	F				DG				DISTAL SHAFT FRAG-CHEWED	4
DBF97	1700	CSZ	UNI	1	1	F								HUMAN?	4
DBF97	1700	GOOS	HUM	1	5	L								PROX SHAFT-DIFFERENT INDIV TO ABOVE	4
DBF97	1700	GOOS	HUM	1	8	L								MIDSHAFT	4
DBF97	1700	OVCA	AST	1	4	L		1				L1-26.6 L2-25 Bp-18		SL DAMAGE	4
DBF97	1700	OVCA	INN	1	3	R	EF	4						PUBIC FRAG ACETABULUM-FEMALE	4
DBF97	1700	OVCA	LM3	1	8	L					K8	LM3-22.4		COMPLETE	4
DBF97	1700	OVCA	MTC	1	2	F								SHAFT FRAG	4
DBF97	1700	OVCA	MTT	1	2	R		2						SPLIT FRAG PROX END	4
DBF97	1700	OVCA	RAD	1	7	R	PF	13	B					PROX HALF-CHARRED-PROX END BROKEN	4
DBF97	1700	OVCA	RAD	1	2	L								PROX SHAFT FRAG	4
DBF97	1700	OVCA	TIB	1	15	R				DG				SHAFT-BOTH ENDS CHEWED	4
DBF97	1700	OVCA	TIB	1	14	L	DF	567				Bd-26.2 Dd-17.9		DISTAL END	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	1700	SSZ	FEM	2	8	F								SHAFT FRAG	4
DBF97	1700	SSZ	FEM	1	4	F								SHAFT FRAG	4
DBF97	1700	SSZ	LBF	3	4	F								SHAFT FRAG	4
DBF97	1700	SSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	1700	SSZ	SCP	1	2	F								FRAG BLADE MARGIN	4
DBF97	1700	SSZ	TRV	1	2	F								BASE SPINE	4
DBF97	1700	SUS	CAL	1	10	R	PN	23						EPI LOST	4
DBF97	1700	SUS	LM3	1	6	W					K4	LM3-30.2		NOT FULLY UP	4
DBF97	1700	SUS	LPM4	1	2	W					H7			COMPLETE	4
DBF97	1700	SUS	MAN	1	5	F								POST VENTRAL FRAG RAMUS	4
DBF97	1700	UNI	UNI	3	1	F								INDET	4
DBF97	P1	OVCA	PH1	1	1	L	PF	12						2 PIECES-POOR CONDITION	2
DBF97	P1	SSZ	LBF	1	0	F								SHAFT FRAG	4
DBF97	P3	CSZ	LBF	1	20	F								SHAFT FRAG- 9 PIECES	4
DBF97	P4	CSZ	UNI	1	2	F								INDET- 5 PIECES	4
DBF97	P5	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	P7	OVCA	UM	1	1	F								ONE CUSP - 3 PIECES	3
DBF97	P9	CSZ	UNI	1	1	F								INDET-POSS MAN	4
DBF97	P11	OVCA	MTT	1	6	R								MIDSHAFT	4
DBF97	P12	OVCA	MTT	1	4	R		12						PROX END- 3 PIECES-SAME BONE AS P11	4
DBF97	P13	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	P14	SSZ	LBF	1	3	F								SHAFT FRAG	4
DBF97	P16	OVCA	TIB	1	9	L								MIDSHAFT- 10 PIECES	4
DBF97	P17	SUS	ULN	1	4	R		3		DG				DISTAL FRAG OF PROX ARTIC-CHEWED	4
DBF97	P22	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	P23	UNI	UNI	1	1	F								INDET - 2 PIECES	4
DBF97	P24	SSZ	LBF	1	1	F				DG				SHAFT FRAG-CHEWED	3
DBF97	P26	BOS	UM3	1	35	R					K12			ROOTS BROKEN	3
DBF97	P27	BOS	MAN	1	11	R								POST FRAG ASC RAMUS- 5 PIECES	4
DBF97	P30	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	P31	BOS	AST	1	46	R		1				L1-62 L2-55.5 Bp-40.5 Bd-36.7 Dd-28		COMPLETE-2 PIECES	4
DBF97	P33	OVCA	TIB	1	13	R		4		DG				PROX SHAFT-PROX END CHEWED	3
DBF97	P34	CSZ	FEM	1	17	F								SHAFT FRAG	4
DBF97	P35	CSZ	RIB	1	1	F								SHAFT FRAG- 4 PIECES	3



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P37	SSZ	LBF	1	1	F								SHAFT FRAG- 2 PIECES	4
DBF97	P38	EQU	ULN	1	65	L		23						PROX ARTIC- 14 PIECES	4
DBF97	P41	CSZ	UNI	1	2	F								INDET- 3 PIECES	4
DBF97	P42	OVCA	TIB	1	12	R	DN	5						DISTAL HALF SHAFT- 12 PIECES	4
DBF97	P44	CSZ	LBF	1	7	F			DG					SHAFT FRAG- CHEWED- 2 PIECES	4
DBF97	P49	BOS	MAN	1	7	F								VENTRAL FRAG HORI RAMUS	4
DBF97	P50	CSZ	UNI	1	2	F								INDET- 4 PIECES	3
DBF97	P54	CSZ	RIB	1	12	L			DG					PROX SHAFT FRAG-CHEWED	4
DBF97	P57	BOS	UM3	1	23	L					K5/6			SLIGHT DAMAGE	4
DBF97	P59	CSZ	MAX	1	6	F								FRAG WITH ALVEOLUS	4
DBF97	P60	CSZ	SCP	1	2	F								SHAFT FRAG- 4 PIECES	4
DBF97	P63	SSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	P66	BOS	MAX	1	5	F								FRAG WITH TOOTH ENAMEL- 5 PIECES	4
DBF97	P67	CSZ	VER	1	10	F								FRAG- 5 PIECES-POSS HUMAN	4
DBF97	P67	OVCA	MAN	1	2	F								LATERAL FRAG HORI RAMUS- 3 PIECES	4
DBF97	P67	SSZ	MTP	1	1	F								SHAFT FRAG	4
DBF97	P68	OVCA	LM1	1	3	R								COMPLETE	4
DBF97	P70	BOS	PH1	1	16	F	PF	12						SPLIT DOWN MIDDLE- 4 PIECES	4
DBF97	P71	OVCA	MTT	1	1	F								SHAFT FRAG	4
DBF97	P74	CSZ	LBF	1	3	F								SHAFT FRAG	4
DBF97	P75	OVCA	MAN	1	7	L						h12i11J6		FRAGMENTED- 13 PIECES	3
DBF97	P75	SSZ	FEM	1	2	F			DG					MIDSHAFT FRAG-CHEWED	4
DBF97	P76	OVCA	MAN	1	12	L						IJ12		HORI RAMUS FRAG- 8 PIECES	4
DBF97	P77	SSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	P78	CSZ	LBF	1	11	F								SHAFT FRAG	4
DBF97	P80	SUS	SKL	1	2	F								DORSAL FRAG CRANIUM- 5 PIECES	4
DBF97	P82	BOS	MTT	1	36	F			DG					SPLIT SHAFT-DISTAL CHEWED	4
DBF97	P86	CSZ	UNI	1	3	F								INDET	3
DBF97	P87	SSZ	RIB	1	5	R								SHAFT	4
DBF97	P88	BOS	AST	1	48	R		1				L2-56.1 Bd-41.2 Dd-30.8		SOME DAMAGE	4
DBF97	P89	CSZ	MAX	1	1	F								FRAG WITH ALVEOLUS	4
DBF97	P90	BOS	MTT	1	4	F								FRAG PROX END	4
DBF97	P90	SUS	SKL	1	1	F								ORBITAL FRAG	4
DBF97	P94	BOS	CAL	1	18	R	PN							PROX END WITHOUT EPI	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P98	UNI	SKL	1	1	F								FRAG- 2 PIECES	4
DBF97	P99	BOS	MTC	1	65	L	PF	345						DISTAL HALF- 7 PIECES	4
DBF97	P99	SSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	P100	CSZ	HUM	1	13	F								DISTAL SHAFT FRAG-2 PIECES	4
DBF97	P100	UNI	UNI	1	0	F								INDET	4
DBF97	P101	CSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	P103	SSZ	RIB	1	2	R								PROX SHAFT-POROUS	4
DBF97	P104	CSZ	RIB	1	16	F								SHAFT FRAG- 8 PIECES	4
DBF97	P105	SSZ	HUM	1	1	F								SHAFT FRAG	4
DBF97	P106	CHIK	MTT	1	2	W	L					GL-66.6 Bp-11.6 Bd-11.2		COMPLETE-FEMALE	4
DBF97	P107	BOS	TIB	1	33	R								DISTAL SHAFT FRAG	4
DBF97	P108	CSZ	LBF	1	6	F								SHAFT FRAG	4
DBF97	P108	UNI	UNI	1	0	F								INDET	4
DBF97	P111	SSZ	LBF	1	1	F				DG				SHAFT FRAG-CHEWED- 2 PIECES	4
DBF97	P111	SSZ	TIB	1	1	F								DISTAL SHAFT FRG-POROUS	4
DBF97	P111	UNI	SKL	1	1	F								INDET	4
DBF97	P113	CSZ	LBF	1	5	F								SHAFT FRAG	4
DBF97	P114	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	P115	OVCA	HUM	1	2	L								DISTAL SHAFT FRAG	4
DBF97	P116	SSZ	LBF	1	2	F								SHAFT FRAG- 4 PIECES	3
DBF97	P117	CSZ	LBF	1	7	F								SHAFT FRAG- 4 PIECES	4
DBF97	P118	OVCA	HUM	1	4	F				DG				SHAFT FRAG-CHEWED	4
DBF97	P119	BOS	PH2	1	14	R	PF	12		DG				COMPLETE-SHEWED	4
DBF97	P120	CSZ	LBF	1	11	F				DG				SHAFT FRAG-CHEWED	4
DBF97	P125	OVCA	MTT	1	9	L		12						PROX HALF	4
DBF97	P126	SSZ	LBF	2	2	F								SHAFT FRAG	4
DBF97	P127	OVCA	RAD	1	7	R				DG				DISTAL HALF SHAFT-DIST CHEWED- 4 PIECES	4
DBF97	P129	CSZ	SKL	1	6	F								INDET	4
DBF97	P132	BOS	MTP	1	2	F								ANT SHAFT FRAG	4
DBF97	P133	CSZ	MAN	1	2	F								FRAG HORI RAMUS WITH ALVEOLUS	4
DBF97	P136	SUS	UC	1	5	W								MALE	4
DBF97	P137	SUS	MAN	1	9	F								ANT FRAG WITH INCISORS- 6 PIECES	4
DBF97	P139	CSZ	RIB	1	8	F								PROX SHAFT FRAG- 7 PIECES	4
DBF97	P141	BOS	MAX	1	18	R				fg12				FRAGMENTED- 12 PIECES	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P141	OVCA	UM2	1	3	L					J12			ONE CUSP BROKEN	4
DBF97	P141	SSZ	SKL	1	1	F								INDET-2 PIECES	4
DBF97	P141	UNI	UNI	1	1	F								INDET	4
DBF97	P145	CSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	P145	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	P146	CSZ	UNI	1	2	F								FRAG- = 3 PIECES	4
DBF97	P148	SSZ	RIB	1	0	F								SHAFT FRAG-POSS CANID	4
DBF97	P149	CAN	LC	1	2	W								COMPLETE	3
DBF97	P150	SSZ	HUM	1	2	F								MIDSHAFT FRAG	4
DBF97	P151	OVCA	FEM	1	3	F								MIDSHAFT FRAG	4
DBF97	P153	OVCA	UM3	1	6	L					K14			POST CUSP BROKEN	4
DBF97	P155	CSZ	LBF	1	4	F				DG				SHAFT FRAG-CHEWED	3
DBF97	P156	SSZ	HUM	1	2	R								DISTAL SHAFT FRAG	4
DBF97	P159	BOS	MAN	1	2	F								RAMUS FRAG WITH TOOTH ALVEOLUS	4
DBF97	P160	BOS	LMV	1	68	F	CFAF	345						FRAGMENTED- 12 PIECES	4
DBF97	P161	BOS	INN	1	30	R	EF	45		DG				ACETABULUM-PUBIS CHEWED-8 PIECES	4
DBF97	P162	BOS	MAN	1	40	L		13						SYMPHYSEAL FRAG-LARGE- 2 PIECES	4
DBF97	P163	BOS	INN	1	11	F								ISCHIAL SHAFT FRAG- 2 PIECES	4
DBF97	P163	CSZ	UNI	1	2	F								INDET	4
DBF97	P164	CSZ	MAN	1	16	F								LATERAL FRAG HORI RAMUS	4
DBF97	P165	BOS	MTC	1	12	F								DISTAL SHAFT FRAG	4
DBF97	P165	CSZ	LBF	1	4	F								SHAFT FRAG	4
DBF97	P165	UNI	UNI	1	0	F								INDET	4
DBF97	P166	CSZ	LMV	1	13	F								TRANS PROCESS- 5 PIECES	4
DBF97	P167	CSZ	MAN	1	8	F								VENTRAL FRAG HORI RAMUS- 2 PIECES	4
DBF97	P168	OVCA	RAD	1	7	L								PROX HALF SHAFT- 6 PIECES	4
DBF97	P169	BOS	TIB	1	22	L				DG				PROX SHAFT FRAG-PROX CHEWED	4
DBF97	P171	CSZ	LBF	1	3	F								SHAFT FRAG	4
DBF97	P173	BOS	SCP	1	36	R		5						FRAG GLENOID AND DISTAL BLADE- 2 PIECES-NECK MISSING	4
DBF97	P174	CSZ	RIB	1	4	F								SHAFT FRAG- 2 PIECES	4
DBF97	P175	CSZ	UNI	1	8	F								INDET	4
DBF97	P176	BOS	MAN	1	24	L		123			fg11			ANT HORI RAMUS- 16 PIECES	4
DBF97	P181	CSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	P184	SSZ	FEM	1	2	F								SHAFT FRAG	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P185	SSZ	LBF	1	3	F								SHAFT FRAG-POROUS- 2 PIECES	4
DBF97	P186	MAN	SKL	1	60	F								CRANIAL VAULT- 9 PIECES	4
DBF97	P188	BOS	MAN	1	11	F								RAMUS FRAG WITH ALVEOLUS- 2 PIECES	4
DBF97	P192	CSZ	UNI	1	8	F								INDET	4
DBF97	P194	BOS	MAN	1	14	R		7						ANT FRAG ASC RAMUS	4
DBF97	P197	CSZ	LBF	1	8	F								SHAFT FRAG	4
DBF97	P198	OVCA	MTT	1	11	L		12						PROX HALF	3
DBF97	P199	OVCA	TIB	1	12	R		4		DG				PROX HALF SHAFT-PROX END CHEWED- 4 PIECES	4
DBF97	P205	SUS	MAN	1	9	R		6						ANGLE	4
DBF97	P208	BOS	ATL	1	24	R								POST LATERAL FRAG- 4 PIECES	4
DBF97	P208	OVCA	RAD	1	3	F								PROX LATERAL SHAFT FRAG	4
DBF97	P209	SSZ	LBF	1	2	F				DG				SHAFT FRAG-CHEWED	4
DBF97	P210	OVCA	MTT	1	4	F								SHAFT FRAG- 3 PIECES	2
DBF97	P210	UNI	UNI	1	1	F								INDET	4
DBF97	P211	BOS	AST	1	48	L		1				L1-59.5 L2-53.8 Bp-40.6 Bd-39 Dd-30.6		SL DAMAGE	4
DBF97	P212	SSZ	LBF	1	0	F								INDET	4
DBF97	P212	SUS	FEM	1	8	R		4						DISTAL SHAFT	4
DBF97	P213	CSZ	RIB	1	28	L								PROX SHAFT	4
DBF97	P216	BOS	FEM	1	13	F								PROX SHAFT FRAG	4
DBF97	P217	SSZ	TIB	1	5	F				DG				DISTAL SHAFT-CHEWED	3
DBF97	P221	BOS	RAD	1	111	R	PF	123				Bp-71.6 Dp-33		PROX END- 4 PIECES	4
DBF97	P221	BOS	TIB	1	13	F								DISTAL SHAFT FRAG- 2 PIECES	4
DBF97	P222	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	P223	CSZ	LBF	1	10	F				DG				SHAFT FRAG-CHEWED	4
DBF97	P224	SUS	TIB	1	2	F	DF							FRAGMENT OF DISTAL EPI	4
DBF97	P225	BOS	DLP4	1	3	L								POSS SHED	4
DBF97	P227	CSZ	TIB	1	11	F					h17			DISTAL SHAFT FRAG	4
DBF97	P228	UNI	UNI	1	0	F								INDET- 3 PIECES	4
DBF97	P229	SSZ	RIB	1	0	F								SHAFT FRAG- 2 PIECES	4
DBF97	P230	BOS	SKL	1	2	R								PREMAXILLA-SMALL-CALF - 2 PIECES	4
DBF97	P231	SSZ	RIB	1	0	F								SHAFT FRAG- CANID?	4
DBF97	P233	BOS	SCP	1	44	L		5						POST CAUDAL BLADE FRAG- 6 PIECES	4
DBF97	P235	UNI	SKL	1	0	F								INDET	4
DBF97	P236	UNI	UNI	2	0	F								INDET	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P241	SSZ	LBF	1	0	F								SHAFT FRAG	4
DBF97	P241	UNI	UNI	1	1	F								INDET	4
DBF97	P242	CSZ	SCP	1	6	F								BLADE FRAG	4
DBF97	P243	OVCA	MTT	1	6	R				DG				MIDSHAFT-DISTAL CHEWED	4
DBF97	P245	SSZ	RIB	1	2	F								SHAFT FRAG- 2 PIECES	4
DBF97	P247	SSZ	LBF	1	1	F								SHAFT FRAG	3
DBF97	P250	SSZ	RIB	1	3	R			CH					SHAFT-DISTAL END CHOPPED	4
DBF97	P254	CSZ	RIB	1	2	F								SHAFT FRAG- 5 PIECES	4
DBF97	P260	CSZ	RIB	1	27	F								SHAFT FRAG- 3 PIECES	4
DBF97	P261	BOS	AST	1	44	L	1			DG		L1-56.8 L2-51 Bp-38.8 Bd-36.2 Ca. 28		COMPLETE CHEWED- 3 PIECES-POROUS-JUVICALF	4
DBF97	P261	SSZ	LBF	1	0	F			B					CALCINED SHAFT FRAG-RADIAL SHAFT?	4
DBF97	P262	BOS	MAN	1	4	F	4							PART CORONOID	4
DBF97	P262	CSZ	SCP	1	1	F								BLADE FRAG- 3 PIECES	4
DBF97	P263	CSZ	RIB	1	6	L								PROX SHAFT FRAG	4
DBF97	P263	CSZ	UNI	1	2	F								INDET	4
DBF97	P265	OVCA	MTC	1	3	F								SHAFT FRAG	4
DBF97	P266	UNI	UNI	1	0	F								INDET	4
DBF97	P273	BOS	TTH	1	2	F								CUSP FRAG	4
DBF97	P274	CSZ	LBF	1	11	F			B					SHAFT FRAG-CHARRED BLACK	4
DBF97	P275	CSZ	SKL	1	2	F								FRAG- 2 PIECES	4
DBF97	P277	BOS	HC	1	35	R								SHORHORN-BROKEN- 4 PIECES	4
DBF97	P277	CSZ	UNI	1	1	F								INDET	4
DBF97	P277	UNI	UNI	1	1	F								INDET	4
DBF97	P279	SSZ	LBF	1	0	F			B					CALCINED SHAFT FRAG	4
DBF97	P279	UNI	UNI	2	0	F			B					CALCINED FRAGMENT	4
DBF97	P285	UNI	UNI	1	1	F			B					CALCINED FRAGMENT- 4 PIECES	4
DBF97	P286	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	P288	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	P293	OVCA	TIB	1	11	L	4							MIDSHAFT- 9 PIECES	4
DBF97	P293	UNI	UNI	1	1	F								INDET	3
DBF97	P295	BOS	MTT	1	92	R	DF	345		DG		Dd-29.8		DISTAL HALF-DIST SL CHEWED	4
DBF97	P298	BOS	ULN	1	22	L	PF			DG				PART PROX END-CHEWED	4
DBF97	P302	BOS	FEM	1	29	F								MIDSHAFT FRAG WITH APRT ZONE 4	4
DBF97	P308	CSZ	LBF	1	3	F								SHAFT FRAG	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P310	BOS	MAN	1	14	L		2						DIASTEMAL FRAG- 3 PIECES	4
DBF97	P311	CSZ	LBF	1	16	F								SHAFT FRAG- 4 PIECES- ?HUMERUS	4
DBF97	P312	BOS	SCP	1	39	L		3						FRAGS OF GLENOID AND DISTAL BLADE- 4 PIECES	4
DBF97	P312	SSZ	LBF	1	1	F								SHAFT FRAG-POROUS	4
DBF97	P313	CSZ	LBF	1	19	F								SHAFT FRAG- 5 PIECES	4
DBF97	P314	BOS	MTT	1	2	F								SHAFT FRAG	4
DBF97	P315	UNI	UNI	1	1	F								INDET	4
DBF97	P316	BOS	HC	1	30	F								BASAL FRAG CORE- 3 PIECES	4
DBF97	P316	BOS	ULN	1	2	F								SHAFT FRAG-SL POROUS	4
DBF97	P317	CSZ	UNI	1	10	F								INDET- 2 PIECES	4
DBF97	P317	SUS	SCP	1	5	R								CAUDAL MARGIN OF BLADE	4
DBF97	P318	OVCA	MAN	1	34	R		123			J13K13		P	ANT RAMUS-ABCESS BELOW P4/M1-TEETH LOST	4
DBF97	P320	CSZ	UNI	1	4	F								INDET- 2 PIECES	4
DBF97	P320	UNI	UNI	1	0	F								INDET	4
DBF97	P321	BOS	RAD	1	60	R		3		DG				PROX AND MIDSHAFT-DISTAL CHEWED- 3 PIECES--POSS IMM	4
DBF97	P322	CSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	P323	CSZ	RIB	1	28	F			CH					SHAFT FRAG-ONE END CHOPPED	4
DBF97	P324	BOS	RAD	1	8	F								MIDSHAFT FRAG- 2 PIECES	4
DBF97	P326	BOS	INN	1	14	L	EN							ISCHIAL PART OF ACETABULUM	4
DBF97	P327	BOS	MTC	1	5	F								ANT MIDSHAFT FRAG- 3 PIECES-POROUS	4
DBF97	P327	GOOS	HUM	1	3	L								PROX SHAFT	4
DBF97	P328	BOS	MAN	1	14	L		23						DIASTEMAL FRAG	3
DBF97	P329	BOS	MAN	1	33	L		5		DG				POST FRAG ASC RAMUS WITH CONDYLE-CHEWED	3
DBF97	P329	BOS	MTC	1	9	F								LATERAL SHAFT FRAG-SMALL-POROUS-IMM	4
DBF97	P331	CSZ	UNI	1	4	F								INDET- 4 PIECES	4
DBF97	P332	SSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	P334	BOS	CPU	1	5	W		1						SL DAMAGE	4
DBF97	P335	CSZ	SKL	1	5	F								INDET- 10 PIECES	4
DBF97	P336	BOS	CQ	1	24	W		1			B-43.7			TAR4 FUSED ON-PERIPHERAL DAMAGE	4
DBF97	P337	CSZ	LBF	1	4	F								SHAFT FRAG	4
DBF97	P339	CSZ	RIB	1	3	F								SHAFT FRAG- 3 PIECES	4
DBF97	P340	OVCA	LM2	1	3	R				J12				ANT CUSP BROKEN	4
DBF97	P341	CSZ	UNI	1	2	F								FRAG ARTICULAR FACET	4
DBF97	P342	BOS	MAN	1	21	L		2						DIASTEMAL AND PREMOLAR REGION FRAG- 2 PIECES	4



site	Cont.	species	bone	No.	Wt.g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P342	CSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	P342	SSZ	LBF	1	2	F								SHAFT FRAG - 2 PIECES	4
DBF97	P344	BOS	MAN	1	51	R					G3H2			PREMOLAR REGION- 3 PIECES	4
DBF97	P345	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	P345	UNI	UNI	1	0	F								INDET	4
DBF97	P347	CSZ	RIB	1	2	F								SHAFT FRAG	4
DBF97	P348	UNI	UNI	1	1	F								INDET- 3 PIECES	4
DBF97	P349	OVCA	MTC	1	14	L		12		DG		Bp-21.7 Dp-16.3 SD-13.3		PROX END AND SHAFT-DISTAL CHEWED	4
DBF97	P350	OVCA	MTT	1	11	R				DG		SD-11.3		MIDSHAFT WITH FRAG PROX END- 2 PIECES	4
DBF97	P351	BOS	AST	1	31	L		1	KN			L1-55 Bd-37.3 DD-27.8		DAMAGED-SL CUT ON DISTAL ARTIC	4
DBF97	P353	CSZ	LMV	1	5	F				DG				TRANS PROCESS- 2 PIECES	4
DBF97	P354	BOS	SCP	1	31	L		2				BG-41.9		GLENOID	4
DBF97	P355	CSZ	RIB	1	4	F								SHAFT FRAG- 2 PIECES	4
DBF97	P356	OVCA	RAD	1	12	R	PF	13		DG		SD-15.7		PROX AND MIDSHAFT WITH PART PROX EPI-BOTH ENDS CHEWED	4
DBF97	P357	EQU	LM	1	37	R								MED WEAR	4
DBF97	P358	CSZ	LBF	1	11	F								SHAFT FRAG	4
DBF97	P359	CSZ	LBF	1	11	F								SHAFT FRAG- 2 PIECES	4
DBF97	P360	EQU	PH3	1	31	W		1		DG				PERIPHERAL CHEWING	4
DBF97	P362	OVCA	MTC	1	4	F								MIDSHAFT FRAG	4
DBF97	P362	SSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	P363	OVCA	MTC	1	5	F								MIDSHAFT- 2 PIECES	4
DBF97	P365	BOS	SKEL	1	57	R								MTT-CAL-PH1-PH2 & 3-INN-LMV-CALF - VERT CENTRUM MTT & Ph UNFUSED - 21.PIECES WELL WORN	4
DBF97	P367	BOS	LI	1	3	L									4
DBF97	P369	SUS	HUM	1	32	L	DF	6789				BT-29.5 HT-25		DISTAL HALF	4
DBF97	P371	OVCA	RAD	1	5	L		3						MIDSHAFT	4
DBF97	P372	OVCA	TIB	1	22	R		4		DG		SD-13		SHAFT-BOTH ENDS CHEWED	4
DBF97	P376	OVCA	MTT	1	2	F				DG				SPLIT SHAFT FRAG-ONE END CHEWED	4
DBF97	P380	CSZ	SKL	1	4	F								DORSLA FRAG CRANIUM	4
DBF97	P381	CSZ	LBF	1	5	F								SHAFT FRAG	4
DBF97	P386	SSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	P389	OVCA	TIB	1	17	R				DG		SD-12.5		MID AND DISTAL SHAFT-DISTAL CHEWED	4
DBF97	P390	SSZ	FEM	1	4	F								MIDSHAFT FRAG-POROUS-PIG?	4
DBF97	P391	SSZ	LMV	1	1	F		1						SPINE	4
DBF97	P391	SSZ	RIB	1	7	L	PN							ALMOST COMPLETE- 3 PIECES	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P396	BOS	TIB	1	74	L		4		DG				SHAFT-SMALL-BOTH ENDS CHEWED- CALF/IMM	4
DBF97	P396	CSZ	LBF	1	2	F								SHAFT FRAG-JUV/IMM	4
DBF97	P399	BOS	FEM	1	15	L								DISTAL SHAFT FRAG WITH PART ZONE 4	4
DBF97	P407	SSZ	LBF	1	0	F								SHAFT FRAG	4
DBF97	P407	SSZ	LBF	1	2	F								SHAFT FRAG-POROUS	4
DBF97	P408	BOS	RAD	1	22	L								PROX POST SHAFT FRAG	4
DBF97	P408	SSZ	MAN	1	0	F								LATERAL FRAG RAMUS	4
DBF97	P409	CSZ	SKL	1	4	F								3 PIECES	4
DBF97	P411	SSZ	LBF	1	2	F								SHAFT FRAG-POROUS	4
DBF97	P411	SSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	P411	SSZ	SCP	1	2	F				DG				DISTAL CRANIAL MARGIN OF BLADE-CHEWED	4
DBF97	P414	OVCA	SCP	1	1	R								PROXIMAL CAUDAL MARGIN OF BLADE	4
DBF97	P414	OVCA	TIB	1	10	L				DG		SD-10.6		MID AND DISTAL SHAFT-BOTH ENDS CHEWED	4
DBF97	P414	SSZ	FEM	1	2	F				DG				DISTAL SHAFT FRAG WITH PART ZONE 4-CHEWED	4
DBF97	P414	SSZ	LBF	1	1	F								SHAFT FRAG-POROUS	4
DBF97	P414	SSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	P421	SUS	RAD	1	6	R				DG				SPLIT SHAFT-BOTH ENDS CHEWED- SMALL	4
DBF97	P422	OVCA	MTT	1	19	L		125		DG		Bp-19.7 Dp-18.7 SD-10.9		PROX END AND SHAFT	4
DBF97	P423	CSZ	LBF	1	2	F								SHAFT FRAG- 2 PIECES	4
DBF97	P424	OVCA	MTT	1	19	R	DN	12		DG		Bp-20.6 Dp-20 SD-12.9		PROX END AND SHAFT-HIGH WAISTED-ROBUST-BOTH ENDS CHEWED	4
DBF97	P425	CSZ	MTP	1	10	F								SHAFT FRAG-PART OF BONE IN P427	4
DBF97	P427	BOS	HUM	1	37	L	DF	8		DG				PART DISTAL END- 2 PIECES-POROUS SURFACE	4
DBF97	P427	BOS	MTT	1	95	L		2		DG				PARTS OF PROX END AND SHAFT-DISTAL CHEWED-PART OF THIS BONE IS P425-6 PIECES	4
DBF97	P427	BOS	TIB	1	103	L	DF	567						PART OF DISTAL HALF- 5 PIECES	4
DBF97	P429	BOS	TIB	1	44	L	DF	56				Bd-52.3		PART OF DISTAL END	4
DBF97	P429	CSZ	SKL	1	3	F								DORSAL FRAG CRANIUM	4
DBF97	P429	SUS	SKL	1	36	L		3	CH					OCCIPITAL AND PARIETAL-CHOPPED DOWN MIDDLE	4
DBF97	P429	UNI	UNI	1	2	F								4 PIECES	4
DBF97	P432	CSZ	LBF	1	24	F								SHAFT FRAG- 5 PIECES	3
DBF97	P432	CSZ	RIB	1	14	F								DISTAL END	4
DBF97	P433	BOS	LI	1	2	L								WELL WORN	4
DBF97	P434	CSZ	RIB	1	2	F								SHAFT FRAG	4
DBF97	P434	CSZ	UNI	2	1	F								INDET	4
DBF97	P431	BOS	HUM	1	31	L	DF	679						PART OF DISTAL END-3 PIECES- SAME BONE AS P427	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P431	CSZ	LBF	2	6	F								PROB PARTS OF BONES IN P427	4
DBF97	P431	OVCA	RAD	1	3	L				DG				MIDSHAFT FRAG-PROX END CHEWED	4
DBF97	P431	SSZ	LBF	1	0	F								SHAFT FRAG	4
DBF97	P434	UNI	UNI	1	1	F								INDET	4
DBF97	P435	CSZ	RIB	1	10	F								SHAFT FRAG	4
DBF97	P435	SSZ	CEV	1	2	F	AF							POSTERIOR FRAG CENTRUM	4
DBF97	P436	BOS	UPM4	1	10	L					H12			COMPLETE	4
DBF97	P438	BOS	MTC	1	16	F				DG				MIDSHAFT-4 PIECES-CHEWED-SMALL-IMM?	4
DBF97	P439	OVCA	FEM	1	6	L				DG				DISTAL SHAFT FRAG-DIST CHEWED-PART OF ZONE 4	4
DBF97	P439	SSZ	FEM	1	10	F				DG				MIDSHAFT FRAG- DIST CHEWED	4
DBF97	P440	OVCA	FEM	1	20	R	PN	3						PROX AND MIDSHAFT- 14 PIECES	4
DBF97	P441	BOS	DUP4	1	10	L					h11			ONE CUSP BROKEN	4
DBF97	P441	CSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	P441	CSZ	MAX	1	2	F								FRAG	4
DBF97	P441	CSZ	SCP	1	4	F								BLADE FRAG- 2 PIECES	4
DBF97	P443	BOS	DUP3	1	6	R					g10			ANT CUSP BROKEN	4
DBF97	P443	CSZ	RIB	1	2	F								SHAFT FRAG- 2 PIECES	4
DBF97	P443	CSZ	UNI	1	5	F								POSS MAND FRAG	4
DBF97	P443	SUS	DLI	1	1	F									4
DBF97	P445	CSZ	LBF	1	9	F				DG				SHAFT FRAG-CHEWED-POROUS	4
DBF97	P445	CSZ	RIB	1	2	F								PART OF RIB IN P443	4
DBF97	P446	BOS	MTC	1	59	L		12				Bp-52.5		PROX END-ROLLED?	3
DBF97	P447	BOS	MTC	1	45	L								PROX SHAFT- 5 PIECES	4
DBF97	P447	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	P447	SSZ	RIB	1	3	R								SHAFT-POROUS	4
DBF97	P453	CSZ	UNI	1	7	F				DG				CHEWED	4
DBF97	P453	OVCA	SCP	1	8	L		235		DG		SLC-16.8		DISTAL HALF- 2 PIECES	4
DBF97	P456	CSZ	HUM	1	31	F								MIDSHAFT FRAG	3
DBF97	P458	CSZ	LBF	1	4	F								SHAFT FRAG-POSS PART ZONE 4 OF BOS FEM	4
DBF97	P459	BOS	MTT	1	18	L				DG				DISTAL SHAFT FRAG- 4 PIECES-DIST CHEWED	4
DBF97	P460	CSZ	LMV	1	22	F	CNAN	4						CENTRUM AND PART ARCH- 5 PIECES	4
DBF97	P464	CSZ	LBF	3	7	F								SHAFT FRAG-IMM?	4
DBF97	P465	BOS	MAN	1	20	L		6						ANGLE- 3 PIECES- POROUS	4
DBF97	P465	CSZ	RIB	1	6	F								SHAFT FRAG- 2 PIECES	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P466	CSZ	LBF	1	4	F				DG				SHAFT FRAG-CHEWED	4
DBF97	P468	SSZ	LBF	1	3	F								SHAFT FRAG- 2 PIECES	4
DBF97	P470	BOS	MTT	1	5	F								SHAFT FRAG	4
DBF97	P474	BOS	MAN	1	7	F								LATERAL FRAG HORI RAMUS- 2 PIECES-JUV	4
DBF97	P474	BOS	PH1	1	5	L	PN	2						EPI LOST	4
DBF97	P474	BOS	SCP	1	6	R		3						FRAG WITH ORIGIN OF SPINE	4
DBF97	P474	CSZ	LBF	2	6	F								SHAFT FRAG	4
DBF97	P474	SSZ	LBF	1	3	F								SHAFT FRAG	4
DBF97	P474	SSZ	RIB	3	3	F								SHAFT FRAG	4
DBF97	P474	UNI	UNI	1	1	F								INDET	4
DBF97	P477	CSZ	LBF	1	6	F								SHAFT FRAG	3
DBF97	P477	CSZ	LBF	1	33	F								PROX SHAFT-HUMI- 2 PIECES	4
DBF97	P478	SSZ	RIB	1	3	L								SHAFT	4
DBF97	P479	BOS	SCP	1	35	L		35		DG				DISTAL HALF BLADE-DIST CHEWED-SMALL-JUV	4
DBF97	P479	OVCA	MAN	1	2	F								LATERAL FRAG WITH M3 ALVEOLUS-POSS NOT YET UP	4
DBF97	P482	CSZ	LBF	1	16	F								SHAFT FRAG	3
DBF97	P489	CSZ	UNI	3	2	F								INDET	4
DBF97	P491	BOS	UM1	1	11	L					116/17			VERY WORN	4
DBF97	P494	OVCA	TIB	1	8	R								PROX SHAFT FRAG- 5 PIECES	4
DBF97	P494	SSZ	LBF	3	3	F								SHAFT FRAG	4
DBF97	P494	SSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	P505	SSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	P508	CSZ	UNI	1	3	F								FRAG	4
DBF97	P509	CSZ	RIB	1	5	F								SHAFT FRAG- 4 PIECES	4
DBF97	P510	CSZ	LBF	1	5	F								SHAFT FRAG	4
DBF97	P513	BOS	PH2	1	16	R	PF	12						COMPLETE	4
DBF97	P514	OVCA	MAN	1	1	F								LATERAL FRAG RAMUS WITH AVEOLI	4
DBF97	P517	OVCA	AST	1	3	L		1				L1-25 L2-23.6		PERIPHERAL DAMAGE	4
DBF97	P517	SSZ	SKL	1	0	F								NASAL	4
DBF97	P518	OVCA	MAN	1	2	L		4						CORONOID	4
DBF97	P519	SMA	LBF	1	0	F								SHAFT FRAG	4
DBF97	P519	UNI	UNI	1	0	F								INDET	4
DBF97	P520	SSZ	RIB	1	0	F								SHAFT FRAG	4
DBF97	P521	BOS	TIB	1	2	F	DN							FRAG DIST EPI	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P521	UNI	UNI	2	1	F								INDET	4
DBF97	P522	SSZ	HUM	1	1	F								DISTAL SHAFT FRAG	4
DBF97	P523	CSZ	UNI	1	3	F								INDET	4
DBF97	P524	SSZ	RIB	2	1	F								SHAFT FRAG	4
DBF97	P526	OVCA	MTC	1	1	F								SHAFT FRAG	4
DBF97	P528	SSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	P529	OVCA	MTC	1	2	F				DG				SHAFT FRAG-CHEWED	4
DBF97	P530	CSZ	SKL	2	2	F								FRAG	4
DBF97	P531	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	P533	OVCA	CAL	1	4	R	PN	2						DISTAL BROKEN AND EPI LOST- 2 PIECES	4
DBF97	P534	OVCA	SCP	1	3	R		5		DG				DISTAL BLADE-SMALL-JUV-WELL CHEWED	4
DBF97	P538	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	P539	SSZ	UNI	2	1	F								RIB/	4
DBF97	P540	SSZ	SKL	1	2	F								FACIAL FRAG	4
DBF97	P541	SSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	P541	UNI	UNI	1	2	F								INDET	4
DBF97	P542	BOS	MAN	1	6	F								LATERAL FRAG WITH M3 AVEOLUS-POSS NOT UP	4
DBF97	P542	UNI	UNI	1	1	F								INDET	4
DBF97	P544	OVCA	UM1	1	4	R					I12			COMPLETE	4
DBF97	P547	OVCA	TIB	1	20	R	DF	567				SD-12.9 Bd-23.6 Dd-17.4		DISTAL HALF	4
DBF97	P548	OVCA	LPM3	1	0	R					G12			COMPLETE	4
DBF97	P549	SSZ	LBF	1	0	F								SHAFT FRAG	4
DBF97	P549	SUS	TIB	1	8	L								PROX SHAFT FRAG- 3 PIECES	4
DBF97	P553	CSZ	LBF	1	7	F								SHAFT FRAG	4
DBF97	P554	SUS	MAN	1	2	L				DG				POST VENTRAL FRAG HORI RAMUS	4
DBF97	P556	SUS	INN	1	11	R		9						ILIAL SHAFT WITH PART ZONES 2 3 AND 9	4
DBF97	P557	BOS	MAN	1	20	L		5	CH					POST FRAG WITH CONDYLE-CHOPPED	4
DBF97	P561	CAN	INN	1	4	L		5						LATERAL ACETABULUM	4
DBF97	P562	BOS	SKL	1	14	F								FACIAL PART SKULL	4
DBF97	P563	OVCA	FEM	1	6	F						SD-11.1		MIDSHAFT	4
DBF97	P567	OVCA	RAD	1	9	L		3		DG		SD-14.9		MIDSHAFT-BOTH ENDS CHEWED	4
DBF97	P568	OVCA	RAD	1	6	R								MIDSHAFT- 4 PIECES	4
DBF97	P572	OVCA	MAN	1	12	L					fgh1118J3K0			RAMUS FRAG WITH TOOTH ROW	4
DBF97	P574	SSZ	LBF	1	1	F								SHAFT FRAG	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P574	SSZ	RIB	1	0	F								SHAFT FRAG	4
DBF97	P574	UNI	UNI	3	1	F								INDET	4
DBF97	P575	SSZ	LBF	1	1	F				DG				SHAFT FRAG-CHEWED	4
DBF97	P583	SUS	MTP	1	3	F								SPLIT PROX END AND SHAFT	4
DBF97	P586	CSZ	TIB	1	35	L								PROX SHAFT FRAG	4
DBF97	P588	BOS	ULN	1	7	F								PROX SHAFT- 3 PIECES	3
DBF97	P588	SSZ	FEM	1	2	F								SHAFT FRAG	4
DBF97	P588	SSZ	RIB	1	5	F								SHAFT- 2 PIECES	4
DBF97	P589	OVCA	SCP	1	4	L		5		DG				FRAG DISTAL BLADE-WELL CHEWED	4
DBF97	P590	OVCA	UM2	1	4	L					J7			ROOTS BROKEN	4
DBF97	P591	BOS	LPM3	1	5	L					G11			COMPLETE	4
DBF97	P592	CSZ	LBF	1	7	F								SHAFT FRAG- 3 PIECES	4
DBF97	P592	CSZ	RAD	1	18	F								SHAFT FRAG	4
DBF97	P592	CSZ	RIB	1	14	F								SHAFT FRAG- 2 PIECES	4
DBF97	P592	UNI	UNI	1	1	F								INDET	4
DBF97	P595	UNI	UNI	1	1	F								INDET	4
DBF97	P597	UNI	HC	1	3	F								CORE FRAGMENT	4
DBF97	P598	BOS	MAN	1	40	L		2						POST DIASTEMAL FRAG WITH PM ALVEOLUS	4
DBF97	P603	BOS	HUM	1	121	R	DF	698						DISTAL HALF-EPIPHYSIS BROKEN	4
DBF97	P603	SUS	MC3	1	2	L	DN	12						PROX END AND SHAFT-SMALL-JUV	4
DBF97	P605	BOS	MAN	1	11	R		7						ANT FRAG ASC RAMUS- 2 PIECES-POROUS	4
DBF97	P606	SUS	FEM	1	9	R								DISTAL SHAFT WITH PART ZONE 4	4
DBF97	P607	BOS	MAN	1	118	R		7			h1117J2K0			RAMUS FRAG-POROUS	4
DBF97	P618	CSZ	RIB	1	47	F			CH					SHAFT FRAG-DIST CHOPPED	4
DBF97	P618	CSZ	TRV	1	16	F		5		DG				BASE SPINE WITH NEURAL ARCH-CHEWED	4
DBF97	P619	BOS	HUM	1	137	R	DF	679				HT-40.6		DISTAL END- 11 PIECES	4
DBF97	P619	SSZ	RIB	1	2	F								SHAFT FRAG	4
DBF97	P620	EQU	TIB	1	31	F								POST MIDSHAFT FRAG	4
DBF97	P621	EQU	MAN	1	44	F								POST VENTRAL ASC RAMUS- 9 PIECES	4
DBF97	P624	OVCA	MTT	1	1	F		1						FRAG PROX END	4
DBF97	P625	BOS	MAN	1	60	R					gh1418			HORI RAMUS- 4 PIECES	4
DBF97	P626	SSZ	RIB	1	6	R								PROX SHAFT	4
DBF97	P627	CSZ	LBF	1	14	F								SHAFT FRAG- 2 PIECES	4
DBF97	P628	BOS	CAL	1	31	L	PN	23						2 PIECES- EPI LOST-TUBER BROKEN- POROUS-JUV	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P629	CSZ	TIB	1	18	L				DG				PROX SHAFT FRAG- 2 PIECES-PROX CHEWED	4
DBF97	P629	SUS	MAN	1	4	F								VENTRAL FRAG HORI RAMUS	4
DBF97	P631	BOS	HUM	1	101	R	DF	679		DG		HT-40		DISTAL END- 6 PIECES-DISTAL CHEWED	4
DBF97	P632	SSZ	LBF	2	1	F			B					CALCINED SHAFT FRAG	4
DBF97	P632	SUS	MT2	1	0	L		1						PROX HALF-SMALL-JUV	4
DBF97	P632	UNI	TTH	1	0	F								ENAMEL SPLINTER	4
DBF97	P632	UNI	UNI	3	1	F								INDET	4
DBF97	P632	UNI	UNI	6	1	F			B					INDET CALCINED FRAGS	4
DBF97	P634	BOS	MAN	1	9	F								POST VENTRAL FRAG	4
DBF97	P634	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	P635	OVCA	TIB	1	8	L				DG				DISTAL SHAFT-DIST CHEWED	4
DBF97	P639	OVCA	MTT	1	2	F								POST SHAFT FRAG	4
DBF97	P639	OVCA	RAD	1	2	L		3		DG				SHAFT-BOTH ENDS CHEWED-VERY SMALL-LAMB	4
DBF97	P639	SUS	MAX	1	4	R								ANT FRAG WITH INCISOR	4
DBF97	P644	BOS	LM1	1	17	L					I11			ROOT BROKEN	4
DBF97	P646	CSZ	LBF	1	9	F								SHAFT FRAG- 2 PIECES	4
DBF97	P647	OVCA	MTT	1	12	L				DG		SD-11		SHAFT-BOTH ENDS CHEWED	4
DBF97	P660	OVCA	LM1	1	2	R					I13			COMPLETE	4
DBF97	P665	OVCA	MAN	1	14	L		23			gh1117J3			M2 LOST- 5 PIECES	4
DBF97	P667	CSZ	LBF	1	3	F								SHAFT FRAG	4
DBF97	P670	UNI	UNI	2	1	F								INDET	4
DBF97	P675	BOS	PH2	1	10	L	PF	12						COMPLETE	4
DBF97	P681	SSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	P681	SSZ	UNI	1	1	F								INDET	4
DBF97	P683	SSZ	RIB	1	2	F								SHAFT FRAG	4
DBF97	P684	BOS	RAD	1	119	L	PF	123				Bp-80* Dp-41.6		PROX THIRD	4
DBF97	P694	UNI	UNI	3	2	F								INDET	4
DBF97	P696	BOS	MTC	1	28	L		2		DG				SPLIT PROX END	4
DBF97	P697	BOS	ULN	1	52	R		23						PROX ARTIC AND SHAFT	4
DBF97	P698	BOS	SCP	1	84	L		25						PART GLENOID AND NECK- 7 PIECES-VERY LARGE	4
DBF97	P698	UNI	UNI	1	1	F								INDET	4
DBF97	P705	OVCA	TIB	1	8	R				DG		SD-10.6		DISTAL SHAFT-DIST END CHEWED-IMM/	4
DBF97	P710	OVCA	RAD	1	9	L	PF	123				Bp-27.6		PROX END	4
DBF97	P711	CSZ	RIB	1	13	F								SHAFT FRAG- 2 PIECES	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P712	CSZ	LBF	1	4	F								SHAFT FRAG- 3 PIECES	4
DBF97	P715	BOS	ULN	1	1	F								SHAFT-VERY SMALL-POROUS-CALF- 2 PIECES	4
DBF97	P715	OVCA	MTT	1	5	F								DISTAL SHAFT	4
DBF97	P716	SSZ	UNI	1	1	F				DG				POSS SCP-CHEWED	4
DBF97	P717	OVCA	TIB	1	4	L		4						PROX SHAFT	4
DBF97	P718	SSZ	RIB	1	2	F								SHAFT FRAG-POROUS-3 PIECES	4
DBF97	P720	OVCA	RAD	1	2	L		3						SHAFT FRAG- 2 PIECES	4
DBF97	P722	BOS	MTT	1	37	R	DF	3		DG				DISTAL MEDIAL CONDYLE-CHEWED	4
DBF97	P724	OVCA	MTT	1	3	F								SHAFT FRAG- 3 PIECES	4
DBF97	P728	CSZ	UNI	1	2	F								INDET	4
DBF97	P729	OVCA	LM2	1	4	R					J13			COMPLETE	4
DBF97	P735	CSZ	SKL	1	3	F								DORSAL FRAG CRANIUM	3
DBF97	P735	UNI	UNI	1	0	F								INDET	3
DBF97	P741	CSZ	LBF	1	3	F								SHAFT FRAG	4
DBF97	P742	BOS	PH2	1	10	L	PF	12						BROKEN- 2 PIECES	4
DBF97	P742	CSZ	UNI	1	2	F								INDET	4
DBF97	P743	BOS	MTT	1	22	F								POST MIDSHAFT FRAG	4
DBF97	P746	UNI	RIB	1	1	F								SHAFT FRAG	4
DBF97	P748	UNI	UNI	1	1	F								INDET	4
DBF97	P750	BOS	SCP	1	8	F								CRANIAL MARGIN OF DISTAL BLADE- 2 PIECES	4
DBF97	P755	SSZ	LBF	1	4	F								SHAFT FRAG- 2 PIECES	4
DBF97	P757	OVCA	TIB	1	10	L		4		DG		SD-12.2		SHAFT- 4 PIECES-DIST CHEWED	4
DBF97	P758	BOS	SCP	1	32	L		5						CAUDAL MARGIN DISTAL BLADE AND NECK- 5 PIECES	4
DBF97	P760	OVCA	MAN	1	3	L		4		DG				CORONOID-CHEWED	4
DBF97	P762	CSZ	LBF	1	11	F								SHAFT FRAG	4
DBF97	P763	BOS	ULN	1	2	F								SHAFT FRAG	4
DBF97	P770	CSZ	UNI	2	5	F								INDET	4
DBF97	P771	MAN	HUM	1	23	F								DISTAL HALF SHAFT- 2 PIECES	3
DBF97	P772	MAN	LBF	1	3	F								SHAFT FRAG- 2 PIECES	2
DBF97	P780	CSZ	TRV	1	2	F								BASE SPINE- 2 PIECES	4
DBF97	P782	BOS	MTC	1	15	R		1		DG				SPLIT PROX END	4
DBF97	P785	CSZ	FEM	1	27	F	PF	1		DG				HEAVILY CHEWED FEMUR HEAD	4
DBF97	P790	BOS	LM3	1	22	L					K7			COLUMN BROKEN	4
DBF97	P790	CSZ	LBF	1	4	F								SHAFT FRAG	4



site	Cont.	species	bone	No.	Wt. g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P796	CSZ	TIB	1	9	F								POST MIDSHAFT FRAG	4
DBF97	P796	OVCA	MTC	1	2	F								SPLIT MIDSHAFT FRAG	4
DBF97	P797	OVCA	PH1	1	2	R	PF	12						COMPLETE	4
DBF97	P798	CSZ	UNI	1	2	F								INDET	4
DBF97	P803	OVCA	TIB	1	2	L		4						PROX SHAFT FRAG- 2 PIECES-POROUS-SMALL-JUV	4
DBF97	P804	UNI	UNI	2	1	F								INDET	4
DBF97	P806	BOS	CPI	1	9	W		1				B-25		SL DAMAGE	4
DBF97	P806	BOS	MTT	1	1	F								POST SHAFT FRAG-POROUS-SMALL-JUV	4
DBF97	P806	CSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	P806	OVCA	HUM	1	5	R								MIDSHAFT FRAG- 3 PIECES	4
DBF97	P806	SSZ	RIB	1	1	L								PROX SHAFT FRAG	4
DBF97	P807	OVCA	LM2	1	4	R					J12			COMPLETE	4
DBF97	P812	SSZ	FEM	1	2	F	PF	1						HEAD-PROB SHEEP	4
DBF97	P815	OVCA	TIB	1	3	L		4						PROX SHAFT FRAG- 3 PIECES-SMALL-IMM?	4
DBF97	P817	BOS	SCP	1	26	L				DG				FRAG OF CAUDAL MARGIN OF BLADE- CHEWED	4
DBF97	P819	CSZ	LMV	1	18	F	CNAN	4						CENTRUM	4
DBF97	P820	BOS	HUM	1	18	F		0		DG				PROX SHAFT FRAG-PROX CHEWED	4
DBF97	P826	CSZ	LBF	1	19	F								SHAFT FRAG- 10 PIECES-POSS HUMAN FEMUR SHAFT	4
DBF97	P828	OVCA	TIB	1	6	L				DG		SD-11.4		DISTAL SHAFT-DIST CHEWED	4
DBF97	P829	CSZ	LBF	1	6	F								PROX SHAFT FRAG- 2 PIECES	4
DBF97	P831	CSZ	RIB	1	3	F								SHAFT FRAG	4
DBF97	P833	CSZ	RIB	1	4	F								SHAFT FRAG- 2 PIECES	4
DBF97	P836	SSZ	FEM	1	2	F								SHAFT FRAG-POROUS	4
DBF97	P836	UNI	LBF	1	1	F								SHAFT FRAG	4
DBF97	P837	BOS	LI	1	2	R								SL-MED WEAR	3
DBF97	P839	UNI	UNI	1	0	F								INDET	4
DBF97	P842	BOS	TIB	1	106	R	DF	567				SD-28.9 Bd-48.4 Dd-34.2		DISTAL END AND SHAFT-SMALL BUT MAY BE ADULT	4
DBF97	P843	SSZ	LBF	1	0	F								SHAFT FRAG	4
DBF97	P846	BOS	MTC	1	19	R		2						FRAGMENT OF PROX END	3
DBF97	P848	CSZ	LBF	2	8	F								SHAFT FRAG- ONE IN 2 PIECES	4
DBF97	P850	SUS	SKL	1	1	F		1						PARA-OCCIPITAL PROCESS	4
DBF97	P854	CSZ	RIB	1	6	F								SHAFT FRAG	4
DBF97	P855	BOS	LI	1	4	R								V SL WEAR	4
DBF97	P855	CSZ	LBF	1	5	F								SHAFT FRAG	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P862	CSZ	HUM	1	1	F								SHAFT FRAG	4
DBF97	P863	CSZ	LBF	1	10	F								SHAFT FRAG	4
DBF97	P864	OVCA	TTH	1	1	F								ENAMEL FRAG	3
DBF97	P865	OVCA	UPM3	1	2	R					G12			COMPLETE	4
DBF97	P871	CSZ	UNI	1	1	F								INDET	4
DBF97	P872	BOS	SCP	1	7	R								CAUDAL FRAG OF NECK	4
DBF97	P873	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	P878	BOS	LM	1	3	F								ONE CUSP FRAG	4
DBF97	P879	SUS	LI	1	3	R								SL WEAR	4
DBF97	P880	CSZ	UNI	1	6	F								POSS LBF SHAFT FRAG	4
DBF97	P886	SUS	LI	1	3	L								SL-MED WEAR	4
DBF97	P887	UNI	UNI	1	2	F								INDET PROB SSZ SCP	4
DBF97	P888	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	P890	BOS	MTT	1	5	F				DG				POST SHAFT FRAG-CHEWED	4
DBF97	P891	OVCA	ULN	1	1	F								SHAFT FRAG	4
DBF97	P895	SUS	FIB	1	1	F								SHAFT FRAG	4
DBF97	P896	OVCA	RAD	1	10	R		3		DG		SD-13.2		SHAFT-BOTH ENDS CHEWED	4
DBF97	P901	CSZ	UNI	1	0	F								INDET	3
DBF97	P905	OVCA	UM1	1	2	L					I11			BROKEN CUSPS	3
DBF97	P911	CSZ	RIB	1	7	F				DG				SHAFT FRAG	4
DBF97	P915	SSZ	HUM	1	2	F								DISTAL SHAFT FRAG	4
DBF97	P916	CSZ	LBF	1	8	F								SHAFT FRAG	4
DBF97	P917	SSZ	SKL	1	1	F								INDET- 3 PIECES	4
DBF97	P918	OVCA	MAN	1	7	R					K12			3 PIECES INCLUDING M3	4
DBF97	P921	SSZ	HUM	1	3	L		9	B					DISTAL SHAFT-CHARRED- 4 PIECES-VERY SMALL POSS NOT RUMINANT	4
DBF97	P924	SSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	P927	OVCA	TIB	1	2	F								DISTAL SHAFT FRAG- 2 PIECES	4
DBF97	P947	BOS	TTH	1	5	F								DOUBLE ROOT ONLY	4
DBF97	P949	OVCA	TIB	1	7	L				DG				PROX SHAFT-PROX CHEWED	4
DBF97	P949	OVCA	TIB	1	7	R				DG		SD-10.5		DISTAL SHAFT-SL CHEWED	4
DBF97	P950	OVCA	HUM	1	10	L		69				SD-13.3		DISTAL SHAFT	4
DBF97	P951	SSZ	SKL	1	0	F								? NASAL FRAG	4
DBF97	P951	SSZ	TRV	1	1	F		1						SPINE	4
DBF97	P953	CSZ	UNI	1	1	F			B					CALCINED FRAG	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P957	CSZ	TRV	1	22	F		1						BASAL HALF SPINE	4
DBF97	P963	CSZ	UNI	1	1	F								INDET	4
DBF97	P965	OVCA	UM3	1	8	R					K12			COMPLETE	4
DBF97	P966	EQU	INN	1	12	R								LATERAL FRAG	4
DBF97	P967	BOS	HUM	1	57	L			DG					SPLIT MIDSHAFT-BOTH ENDS CHEWED-PARTS ZONES 8 AND 9	4
DBF97	P967	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	P968	CSZ	LBF	1	10	F								SHAFT FRAG	3
DBF97	P969	CSZ	RIB	1	11	F				DG				SHAFT FRAG-CHEWED	4
DBF97	P970	CSZ	RIB	1	12	F								SHAFT FRAG- 2 PIECES-WORN	3
DBF97	P970	CSZ	UNI	1	6	F								INDET	4
DBF97	P972	CSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	P972	OVCA	MTC	1	3	F								SPLIT MIDSHAFT FRAG	4
DBF97	P973	SSZ	LBF	1	1	F				DG				SHAFT FRAG- SL CHEWED	4
DBF97	P974	BOS	PH2	1	13	R	PF	12						SL DAMAGE	4
DBF97	P975	CSZ	LBF	1	6	F								SHAFT FRAG	4
DBF97	P976	CSZ	MAN	1	3	F								VENTRAL FRAG RAMUS	4
DBF97	P976	OVCA	RAD	1	3	F								DISTAL SHAFT FRAG	4
DBF97	P976	SSZ	CEV	1	5	F		5		DG				PART NEURAL ARCH	4
DBF97	P976	SSZ	LMV	1	1	R	AN							FRAG NEURAL ARCH-SMALL-POROUS-JUV	4
DBF97	P977	CSZ	RIB	1	4	F								SHAFT FRAG	4
DBF97	P978	CSZ	LBF	1	7	F								SHAFT FRAG	4
DBF97	P978	CSZ	RIB	1	4	F								SHAFT FRAG- 4 PIECES	4
DBF97	P979	SUS	RAD	1	12	R	PF	123		DG		Bp-28.3		PROX END-DIST CHEWED	4
DBF97	P980	CSZ	UNI	1	5	F								POSS SCP	4
DBF97	P981	SSZ	FEM	1	2	F								SHAFT FRAG	4
DBF97	P981	SSZ	LBF	1	3	F								SHAFT FRAG	4
DBF97	P983	BOS	MAN	1	43	L					18			4 PIECES HORI RAMUS AND M1	4
DBF97	P984	BOS	SCP	1	171	R	DF	1235	CH			GLP-76 LG-65.9 BG-53.7 SLC- 58.8 Bp-28.1 Dp-15.2 SD-14.8		DISTAL HALF-VERY LARGE-CHOPPED ACROSS NECK-VERY SHORT NECK PROX END AND SHAFT-SMALLISH	4
DBF97	P985	OVCA	RAD	1	19	R	PFDN	1236						SHAFT FRAG	4
DBF97	P986	BOS	ULN	1	4	F								SHAFT FRAG	4
DBF97	P986	SSZ	UNI	1	1	F								INDET-POSS SCP	4
DBF97	P986	UNI	UNI	2	1	F								INDET	4
DBF97	P987	BOS	UM2	1	20	L					J7			ROOTS LOST	4
DBF97	P989	BOS	RAD	1	16	F								SHAFT FRAG- 2 PIECES	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P1056	OVCA	AXI	1	12	F		2		DG				ANT CENTRUM WITH ODONTOID PEG	4
DBF97	P1062	CSZ	LBF	1	14	F								SHAFT FRAG- 2 PIECES	3
DBF97	P1063	SSZ	FEM	1	7	F								SHAFT FRAG-LARGE	3
DBF97	P1067	OVCA	UM	1	5	L					12			POSS M2 OR M3-ONE CUSP ONLY	4
DBF97	P1072	CSZ	TRV	1	5	F								BASE OF SPINE	4
DBF97	P1073	SUS	MAN	1	9	L								POST FRAG ASC RAMUS	4
DBF97	P1074	BOS	SCP	1	9	L		2						FRAG OF GLENOID-SMALL-IMM?	4
DBF97	P1076	OVCA	MTC	1	3	F								ANT MIDSHAFT FRAG	4
DBF97	P1077	BOS	PH2	1	10	R	PF	12						COMPLETE-SMALL	4
DBF97	P1078	SSZ	TIB	1	5	F								SHAFT FRAG	4
DBF97	P1080	BOS	PH1	1	20	R	PF	12						COMPLETE	4
DBF97	P1082	SSZ	FEM	1	3	F								SHAFT FRAG	4
DBF97	P1083	OVCA	RAD	1	3	L								MIDSHAFT FRAG	4
DBF97	P1084	OVCA	MTC	1	2	F								SHAFT FRAG	4
DBF97	P1089	CSZ	RIB	1	10	F								SHAFT FRAG	4
DBF97	P1090	OVCA	UM1	1	2	R					112			BROKEN CUSPS	3
DBF97	P1091	CSZ	LBF	1	8	F								SHAFT FRAG	4
DBF97	P1098	OVCA	TIB	1	5	R		4						PROX SHAFT FRAG-POROUS-JUV?	4
DBF97	P1104	CSZ	LBF	1	3	F								SHAFT FRAG	4
DBF97	P1104	OVCA	MTT	1	1	F								MIDSHAFT FRAG	4
DBF97	P1104	SSZ	LBF	1	2	F				DG				SHAFT FRAG-ONE END CHEWED	4
DBF97	P1105	SSZ	LBF	1	0	F								SHAFT FRAG	4
DBF97	P1105	SSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	P1105	UNI	UNI	1	1	F								INDET	4
DBF97	P1106	BOS	PH1	1	35	L	PF	12						LARGE AND BROAD	4
DBF97	P1111	OVCA	MTT	1	5	L						SD-10.9		MIDSHAFT	4
DBF97	P1113	BOS	MAN	1	86	L					G5H3I13			PART HORI RAMUS- 5 PIECES	4
DBF97	P1114	BOS	MTC	1	27	L	DF	4	CH					LATERAL DISTAL CONDYLE- CHOPPED AXIALLY	4
DBF97	P1115	CSZ	RIB	1	9	F								SHAFT FRAG	4
DBF97	P1116	CSZ	SKL	1	2	F			CH					DORSAL FRAG CRANIUM-CHOPPED-POSS HUMAN	4
DBF97	P1118	CSZ	RIB	1	4	F								SHAFT FRAG- 3 PIECES	4
DBF97	P1120	BOS	UM3	1	28	R					K15			COMPLETE	4
DBF97	P1120	BOS	UPM3	1	8	L					G12			COMPLETE	4
DBF97	P1122	CSZ	LBF	1	4	F								SHAFT FRAG	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P1124	BOS	PH1	1	3	F								FRAGMENT OF DISTAL CONDYLE	4
DBF97	P1125	BOS	FEM	1	19	R	DF	7						PART OF DISTAL CONDYLE	4
DBF97	P1131	CSZ	LBF	1	4	F								SHAFT FRAG	4
DBF97	P1132	BOS	RAD	1	62	L	PCDN	12346						2 PIECES-PROX END SHAFT AND PART DIST EPI- CALF	4
DBF97	P1132	OVCA	MAN	1	3	L		123						DIASTEMAL FRAG	4
DBF97	P1133	OVCA	TIB	1	5	R								MIDSHAFT FRAG	4
DBF97	P1134	CSZ	RIB	1	2	F								SHAFT FRAG	4
DBF97	P1135	UNI	UNI	1	2	F								INDET	4
DBF97	P1136	BOS	MTC	1	15	F				DG				SPLIT SHAFT-DISTAL CHEWED	4
DBF97	P1137	OVCA	MTT	1	6	F				DG		SD-9.9		MIDSHAFT	3
DBF97	P1147	BOS	MAN	1	19	L		5						CONDYLE ONLY	4
DBF97	P1149	CSZ	RIB	1	0	F								SHAFT FRAG	4
DBF97	P1149	OVCA	MTP	1	0	F	ENDN							SPLIT MTP-NEONATE	4
DBF97	P1152	CSZ	UNI	1	2	F			B					CALCINED FRAG	4
DBF97	P1155	OVCA	TIB	1	5	L						SD-10.2		DISTAL SHAFT-SMALL	4
DBF97	P1157	CSZ	HUM	1	4	F								SHAFT FRAG- 2 PIECES	3
DBF97	P1159	OVCA	MTT	1	1	F								SHAFT FRAG	3
DBF97	P1160	CSZ	LBF	2	4	F								SHAFT FRAG	4
DBF97	P1161	BOS	MAX	1	3	F		0						FRAG-JUV?	4
DBF97	P1161	CSZ	LBF	1	2	F			CH					SHAFT FRAG-CHOPPED	4
DBF97	P1161	CSZ	UNI	1	2	F			CH					INDET-CHOPPED	4
DBF97	P1162	SSZ	RIB	1	3	F				DG				SPLIT SHAFT VRAG-DIST CHEWED	4
DBF97	P1163	OVCA	MTT	1	8	L								SPLIT PROX END AND PART OF SHAFT	4
DBF97	P1164	BOS	PH3	1	31	L		1				L-80		COMPLETE	4
DBF97	P1166	SSZ	LBF	1	5	F								SHAFT FRAG	4
DBF97	P1169	CHIK	FEM	1	1	L								PROX END AND MOST OF SHAFT	4
DBF97	P1169	GOOS	FEM	1	6	L						GL-79		HEAD BROKEN-SL OTHER DAMAGE	4
DBF97	P1170	SSZ	RIB	1	4	L								PROX SHAFT FRAG	4
DBF97	P1171	BOS	MTC	1	19	L		2						SPLIT PROX END	4
DBF97	P1171	CSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	P1172	CSZ	LBF	1	4	F								SHAFT FRAG	4
DBF97	P1172	OVCA	TIB	1	5	R				DG				DISTAL SHAFT FRAG-SL CHEWED	4
DBF97	P1176	OVCA	MTC	1	4	F				DG				DISTAL SHAFT -BROAD-MALE/DISTAL CHEWED	4
DBF97	P1178	BOS	RAD	1	23	R								PROX SHAFT FRAG	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P1180	CSZ	LBF	1	11	F								SHAFT FRAG	4
DBF97	P1182	BOS	MTT	1	12	F				DG				DISTAL SHAFT FRAG-2 PIECES-DISTAL CHEWED	4
DBF97	P1182	BOS	MTT	1	7	F				DG				ANT SHAFT FRAG-PROX CHEWED	4
DBF97	P1182	OVCA	ULN	1	0	F								SHAFT FRAG	4
DBF97	P1183	CSZ	RIB	1	4	F								SHAFT FRAG	4
DBF97	P1184	BOS	LM3	1	25	R					K15			POST COLUMN BROKEN	4
DBF97	P1185	CSZ	LBF	1	1	F								SHAFT FRAG-POROUS	4
DBF97	P1187	OVCA	MTT	1	5	F				DG				SPLIT DISTAL SHAFT-DISTAL CHEWED	4
DBF97	P1192	CSZ	SKL	1	5	F								DORSAL FRAG CRANIUM- 4 PIECES	4
DBF97	P1193	CSZ	UNI	1	2	F								INDET	4
DBF97	P1199	OVCA	MTT	1	2	F				DG				SHAFT FRAG-CHEWED	4
DBF97	P1199	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	P1203	CSZ	SCP	1	6	F								BLADE FRAG	4
DBF97	P1204	CSZ	LBF	1	8	F								SHAFT FRAG	4
DBF97	P1213	BOS	LM2	1	8	R					J7			POST CUSP BROKEN	3
DBF97	P1213	CSZ	LBF	1	5	F				DG				SHAFT FRAG-CHEWED	4
DBF97	P1217	BOS	ULN	1	5	R				DG				SHAFT FRAG	4
DBF97	P1222	OVCA	UM2	1	3	L					J9				4
DBF97	P1225	BOS	CQ	1	7	F								HALF OF BONE	4
DBF97	P1227	OVCA	TIB	1	6	R		4		DG		SD-11.7		MIDSHAFT-PROX CHEWED 2 PIECES	4
DBF97	P1228	SUS	HUM	1	18	L	DF	789	KN			BT-31.3		DISTAL END-CUT ACROSS CONDYLE	4
DBF97	P1230	SUS	MAX	1	13	R					FG12H11			PREMOLAR ROW	4
DBF97	P1231	CSZ	SKL	1	2	F									4
DBF97	P1232	BADG	HUM	1	12	R	DF	567890	KN			Bd-32.4		DISTAL END AND SHAFT-CUT ACROSS SIDE OF DISTAL END	4
DBF97	P1232	SSZ	LBF	1	3	F								SHAFT FRAG	3
DBF97	P1233	SSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	P1234	OVCA	MTC	1	2	F								SHAFT FRAG	4
DBF97	P1235	OVCA	ATL	1	8	R								RIGHT SIDE	4
DBF97	P1236	BOS	PH2	1	16	L	PF	12					P	SOME GROWTH AROUND SHAFT	4
DBF97	P1237	OVCA	PH1	1	1	L	PF	12						COMPLETE-SL DAMAGE	4
DBF97	P1237	SSZ	LBF	1	1	F				DG				SHAFT FRAG-CHEWED	4
DBF97	P1238	SUS	RAD	1	10	L	PF	123				Bp-24.7 Dp-16.2		PROX END	4
DBF97	P1239	CSZ	CEV	1	8	F		1						SPINE	4
DBF97	P1239	OVCA	INN	1	8	L		39						ILIAL SHAFT	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P1239	OVCA	UM1	1	5	R					I13			COMPLETE	4
DBF97	P1240	OVCA	MTT	1	15	L				DG		SD-11		SHAFT-BOTH ENDS CHEWED	4
DBF97	P1241	CSZ	RIB	1	6	F								SHAFT FRAG	4
DBF97	P1242	OVCA	LM2	1	3	R					J6			COMPLETE	4
DBF97	P1242	OVCA	MAN	1	2	R		4						CORONOID	4
DBF97	P1243	CSZ	SKL	1	9	F								DORSAL FRAG CRANIUM- 7 PIECES	4
DBF97	P1245	SSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	P1247	OVCA	MTT	1	6	L				DG		SD-9		SHAFT-POROUS-IMM-BOTH ENDS CHEWED	4
DBF97	P1248	CSZ	RIB	1	1	F								SHAFT FRAG- 3 PIECES	4
DBF97	P1249	BOS	SKL	1	8	R		8						TEMPORAL FRAG	4
DBF97	P1250	OVCA	MTC	1	1	F								SHAFT FRAG	4
DBF97	P1253	BOS	UPM	1	3	F								2 ENAMEL FRAGS	3
DBF97	P1253	OVCA	UM	1	1	F								ENAMEL FRAG	3
DBF97	P1257	CSZ	SKL	1	1	F								DORSAL FRAG	4
DBF97	P1257	SSZ	LBF	1	3	F								SHAFT FRAG	4
DBF97	P1260	CSZ	LBF	2	4	F								SHAFT FRAG	4
DBF97	P1260	CSZ	UNI	1	4	F								INDET	4
DBF97	P1262	CSZ	UNI	1	2	F								INDET	4
DBF97	P1262	OVCA	MTT	1	6	R	DF	345				Bd-21.8 Dd-15.2		DISTAL THIRD	4
DBF97	P1263	OVCA	UM2	1	3	L					J12			CUSP BROKEN	4
DBF97	P1266	OVCA	MTT	1	4	F						SD-11		MIDSHAFT	4
DBF97	P1267	BOS	MAN	1	68	R		23			G11			ANT HORI RAMUS- 2 PIECES	4
DBF97	P1268	BOS	SCP	1	17	L		6		DG				CAUDAL FRAGMENT OF NECK-CHEWED	4
DBF97	P1268	CSZ	LBF	1	4	F								SHAFT FRAG	4
DBF97	P1268	CSZ	UNI	1	4	F								INDET	4
DBF97	P1268	OVCA	FEM	1	5	F								MIDSHAFT FRAG	4
DBF97	P1268	OVCA	TIB	1	3	L		4						PROX SHAFT FRAG	4
DBF97	P1268	SSZ	FEM	2	5	F								SHAFT FRAG	4
DBF97	P1268	SSZ	LBF	1	0	F								SHAFT FRAG	4
DBF97	P1270	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	P1271	BOS	ULN	1	9	F								SHAFT FRAG	4
DBF97	P1274	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	P1274	SSZ	RIB	1	0	F								SHAFT FRAG- 2 PIECES	4
DBF97	P1275	BOS	HUM	1	21	R		5						PROX SHAFT FRAG- 2 PIECES	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P1276	SSZ	LBF	1	3	F								SHAFT FRAG-POROUS	4
DBF97	P1277	OVCA	INN	1	3	L		2		DG				SACRAL SCAR-ANT CHEWED	4
DBF97	P1289	MAN	HUM	1	1	F	DN							DISTAL SHAFT-BABY	4
DBF97	P1290	CSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	P1292	CSZ	RIB	1	12	F								SHAFT FRAG	4
DBF97	P1294	BOS	LM3	1	38	L					K12			COMPLETE	4
DBF97	P1295	SUS	MAX	1	24	L					J7K6	LM3-28		POST MAXIALLARY FRAG	4
DBF97	P1296	MAN	SKL	1	15	F								CRANIAL FRAG- 2 PIECES	4
DBF97	P1297	SSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	P1298	SSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	P1300	CSZ	RIB	1	12	F								SHAFT FRAG	4
DBF97	P2003	BOS	MAN	1	189	L		678						POST PART- 7 PIECES-V LARGE	4
DBF97	P2004	BOS	MAN	1	11	F								VENTRAL FRAG HORI RAMUS	4
DBF97	P2006	BOS	MTT	1	29	F								SPLIT SHAFT FRAG	4
DBF97	P2007	CSZ	LBF	1	6	F								SHAFT FRAG- 2 PIECES	4
DBF97	P2009	BOS	SCP	1	14	L		4						SPINE ONLY	4
DBF97	P2013	BOS	LM2	1	8	L					J6			ANT CUSP ONLY	4
DBF97	P2013	CSZ	LBF	1	4	F								SHAFT FRAG	4
DBF97	P2021	OVCA	LM2	1	4	L					J12			COMPLETE	4
DBF97	P2023	BOS	HC	1	8	F								CORE FRAG	4
DBF97	P2023	SSZ	HUM	1	1	F				DG				SHAFT FRAG- SL CHEWED	4
DBF97	P2023	SUS	TRV	1	2	F		1						SPINE	4
DBF97	P2033	CSZ	LBF	1	10	F								SHAFT FRAG	4
DBF97	P2033	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	P2036	SSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	P2038	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	P2039	SUS	LM3	1	5	F					K7			POST CUSPS ONLY	4
DBF97	P2040	CSZ	UNI	1	1	F								INDET	4
DBF97	P2040	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	P2045	OVCA	LI	1	1	R								SL WEAR	4
DBF97	P4001	SSZ	TIB	1	2	F								DIST SHAFT FRAG	4
DBF97	P4003	SSZ	LBF	1	0	F								SHAFT FRAG	4
DBF97	P4004	SSZ	LBF	2	2	F								SHAFT FRAG	4
DBF97	P4005	SSZ	LBF	1	2	F								SHAFT FRAG-MTC?	3



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P4007	BOS	FEM	1	53	L	DC	4						DISTAL SHAFT AND PART OF DISTAL EPI- 2 PIECES	4
DBF97	P4014	OVCA	LM3	1	1	R					K<10			COLUMN ONLY	4
DBF97	P4015	SUS	INN	1	9	L		9		DG				ILIAL FRAG ACETABULUM	4
DBF97	P4017	CSZ	LBF	1	6	F								SHAFT FRAG- 4 PIECES	4
DBF97	P402	OVCA	MAN	1	18	L		7			K11			POST TOOTH ROW- 2 PIECES	4
DBF97	P4023	BOS	MAN	1	77	R		23			fgH12I9J4			ANT RAMUS- 4 PIECES	4
DBF97	P4024	BOS	HUM	1	25	L		6						DISTAL SHAFT FRAG	4
DBF97	P4024	SSZ	RIB	1	1	R								SHAFT FRAG	4
DBF97	P4026	SSZ	LBF	1	2	F				DG				SHAFT FRAG-CHEWED	4
DBF97	P4031	OVCA	UM2	1	5	L					J6			ROOTS BROKEN	4
DBF97	P4033	CSZ	UNI	1	3	F								INDET	4
DBF97	P4038	OVCA	HUM	1	3	R		5						MIDSHAFT FRAG	4
DBF97	P4041	SSZ	SCP	1	1	F								FRAG CAUDAL MARGIN OF BLADE-POROUS-2 PIECES	4
DBF97	P4042	SUS	LC	1	2	F								ENAMEL FRAG-MALE	4
DBF97	P4045	BOS	MTT	1	12	F								PROX FRAG- 3 PIECES	4
DBF97	P4046	BOS	FEM	1	33	R		4						DISTAL SHAFT FRAG- 5 PIECES	4
DBF97	P4047	BOS	MTT	1	40	L				DG				SHAFT-PROX END CHEWED- 5 PIECES-SMALL-IMM	4
DBF97	P4048	CSZ	CEV	1	17	F	CNAN							FRAGMENTED- 11 PIECES	4
DBF97	P4049	UNI	LBF	1	1	F								SHAFT FRAG	4
DBF97	P4050	OVCA	SCP	1	2	R								FRAG CAUDAL MARGIN	4
DBF97	P4052	OVCA	MTC	1	6	F	DN	5		DG				DISTAL SHAFT-DIST CHEWED- VERY BROAD-MALE?	4
DBF97	P4053	BOS	MTT	1	8	F								SHAFT FRAG-POROUS	4
DBF97	P4054	OVCA	UM3	1	6	R					K12			COMPLETE	4
DBF97	P4055	OVCA	TIB	1	7	L						SD-11.9		DISTAL SHAFT	4
DBF97	P4056	CSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	P4057	BOS	MAN	1	7	L		3						DIASTEMAL FRAG	4
DBF97	P4057	BOS	MTC	1	11	F				DG				DISTAL SHAFT FRAG-DIST CHEWED	4
DBF97	P4058	CSZ	UNI	1	4	F				DG				FRAG PROB VERT- 2 PIECES	4
DBF97	P4059	OVCA	HUM	1	14	R	DF	789				BT-33.3 HT-20.2		DISTAL END	4
DBF97	P4060	BOS	TIB	1	7	L		4						FRAG PROX SHAFT	4
DBF97	P4061	SSZ	RIB	1	2	F								SHAFT FRAG- 4 PIECES	4
DBF97	P4062	BOS	LM1	1	11	R					I11			BROKEN CUSPS	4
DBF97	P4064	OVCA	INN	1	2	L		7						ISCHIAL SHAFT	4
DBF97	P4065	BOS	MTT	1	7	F								FRAG PROX END-POROUS	4



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DBF97	P4068	CSZ	LBF	1	6	F								SHAFT FRAG- 2 PIECES	4
DBF97	P4069	CSZ	RIB	1	13	F								SHAFT FRAG- 4 PIECES	4
DBF97	P4070	BOS	HUM	1	12	L								DISTAL SHAFT FRAG	4
DBF97	P4071	BOS	MTC	1	32	F								SPLIT SHAFT- 2 PIECES	2
DBF97	P4072	BOS	RAD	1	32	L	PF							FRAGMENTED PART PROX END- 9 PIECES	3
DBF97	P4073	CSZ	RIB	1	2	F								SHAFT FRAG	4
DBF97	P4074	BOS	HUM	1	26	R	DN	9						DISTAL SHAFT- 4 PIECES-CALF	4
DBF97	P4074	CSZ	LBF	1	2	F								SHAFT FRAG- 2 PIECES	3
DBF97	P4075	BOS	INN	1	88	R	EF	59						ACETABULAR REGION FRAGMENTED- 14 PIECES	4
DBF97	P4076	BOS	ATL	1	7	F								POST FRAG-POROUS	3
DBF97	P4076	BOS	MTC	1	64	R		12						PROX END- 4 PIECES	4
DBF97	P4077	OVCA	RAD	1	4	R		3						PROX SHAFT- 3 PIECES	4
DBF97	P4078	BOS	ATL	1	10	F								POST VENTRAL FRAG-POSS SAME BONE AS P4076- 3 PIECES	3
DBF97	P4081	OVCA	HUM	1	16	R	DF	690		DG		SD-12.9		SHAFT-DISTAL CHEWED	4
DBF97	P4082	BOS	MAN	1	5	R		7						ANT FRAG ASC RAMUS	4
DBF97	P4083	CSZ	LBF	1	6	F								SHAFT FRAG	4
DBF97	P4083	SSZ	FEM	1	3	F								SHAFT FRAG	4
DBF97	P4084	CSZ	LBF	1	4	F								SHAFT FRAG-POROUS	4
DBF97	P4085	BOS	MTP	1	5	F								POST PROX FRAG	4
DBF97	P4085	BOS	MTT	1	9	L		2						FRAG PROX END	4
DBF97	P4086	SUS	HUM	1	16	L		9						DISTAL HALF SHAFT	4
DBF97	P4087	OVCA	LM3	1	9	L				K9				COMPLETE	4
DBF97	P4088	SUS	LI	1	2	R								SL WEAR	4
DBF97	P4089	CSZ	LBF	1	29	F								SHAFT FRAG- 8 PIECES	4
DBF97	P4091	OVCA	UM	1	1	F					12			CUSP FRAGMENT	3
DBF97	P4092	SSZ	TIB	1	2	F								SHAFT FRAG	4
DBF97	P4094	OVCA	TIB	1	6	R				DG		SD-11.9		DISTAL SHAFT0-DIST CHEWED	4
DBF97	P4094	UNI	UNI	1	1	F								INDET	4
DBF97	P4098	CSZ	LBF	1	0	F								SHAFT FRAG	4
DBF97	P4098	UNI	UNI	1	1	F								INDET	4
DBF97	P4099	OVCA	AST	1	3	R		1						ERODED	2
DBF97	P4100	CSZ	LBF	1	7	F								SHAFT FRAG	3
DBF97	P4102	CSZ	UNI	2	4	F								FRAGS	4
DBF97	P4103	CSZ	LBF	1	8	F								SHAFT FRAG- 2 PIECES	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P4105	BOS	ULN	1	47	R		23		DG				PROX ARTIC-PROX END CHEWED OFF	4
DBF97	P4106	BOS	MTC	1	30	L		12				Bp-48.5		PROX END- 5 PIECES	4
DBF97	P4107	BOS	MAN	1	71	L					h14111J5			FRAGMENTED- 18 PIECES	4
DBF97	P4109	CSZ	TIB	1	24	F								SHAFT FRAG	2
DBF97	P4115	BOS	RAD	1	26	R	PF	1						SPLIT PROX END	4
DBF97	P4118	EQU	TTH	1	6	F								BROKEN CUSP	3
DBF97	P4119	EQU	TTH	1	7	F								CUSP FRAG-POSS PART OF 4118	3
DBF97	P4120	CSZ	RIB	1	16	F								SHAFT FRAG- 3 PIECES	4
DBF97	P4121	BOS	SCP	1	49	F								DISTAL END-FRAGMENTED- 30 PIECES	4
DBF97	P4122	SSZ	LBF	1	0	F								SHAFT FRAG	4
DBF97	P4123	CSZ	RIB	1	9	F								SHAFT FRAG- 7 PIECES	4
DBF97	P4124	CSZ	UNI	1	3	F								INDET- 3 PIECES	4
DBF97	P4125	CSZ	SKL	1	9	F								FRAGMENTED CRANIAL FRAG- 12 PIECES	4
DBF97	P4126	CSZ	LBF	1	3	F								SHAFT FRAG	4
DBF97	P4127	CSZ	RIB	1	5	F								SHAFT FRAG- 2 PIECES	4
DBF97	P4128	BOS	MTT	1	19	R				DG				ANT FRAG PROX END-PROX CHEWED- 3 PIECES	4
DBF97	P4129	EQU	CAL	1	70	L	PF	123						BROKEN- 5 PIECES	4
DBF97	P4130	CSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	P4130	EQU	FEM	1	31	F				DG				PROX SHAFT FRAG	4
DBF97	P4131	BOS	MAN	1	23	L					J6			2 PIECES	4
DBF97	P4131	BOS	MTT	1	21	L				DG				PROX SHAFT-PROX END CHEWED	4
DBF97	P4131	CSZ	LBF	1	3	F								SHAFT FRAG	4
DBF97	P4132	CSZ	SCP	1	15	F								BLADE FRAG- 8 PIECES	4
DBF97	P4133	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	P4134	CSZ	MAN	1	2	F								SHAFT FRAG	4
DBF97	P4135	CSZ	MAN	1	2	F								SAME BONE AS 4134	4
DBF97	P4136	BOS	MTC	1	23	R		2						SPLIT PROX END - SL POROUS	4
DBF97	P4137	CSZ	HUM	1	19	F								SHAFT FRAG- 6 PIECES	4
DBF97	P4138	BOS	RAD	1	15	F								MIDSHAFT FRAG	4
DBF97	P4138	SSZ	LBF	1	0	F								SHAFT FRAG	4
DBF97	P4138	SSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	P4139	BOS	ULN	1	8	R								PROX ANT FRAG	4
DBF97	P4140	BOS	SCP	1	12	F		2						GLENOID	4
DBF97	P4141	CSZ	UNI	1	1	F				DG				INDET FRAG	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P4142	OVCA	TIB	1	13	R		4				SD-13.8		SHAFT- 7 PIECES	4
DBF97	P4143	CSZ	LBF	1	4	F			B					CHARRED SHAFT FRAG	4
DBF97	P4143	CSZ	UNI	2	2	F								INDET	4
DBF97	P4144	UNI	UNI	1	1	F								INDET	4
DBF97	P4145	CSZ	MTP	1	4	F								SHAFT FRAG	3
DBF97	P4147	CSZ	UNI	1	9	F								RIB OR VERT?	4
DBF97	P4151	CSZ	UNI	1	5	F								FRAG-LBF END?	4
DBF97	P4152	OVCA	CAL	1	2	R	PN	23						SMALL-JUV	3
DBF97	P4154	OVCA	UM2	1	4	R					J11			FRAGMENTED- 4 PIECES	3
DBF97	P4154	SSZ	LBF	2	1	F								SHAFT FRAG	3
DBF97	P4158	OVCA	MTT	1	11	R				DG		SD-10.1		SHAFT-DIST CHEWED	4
DBF97	P4159	CSZ	LBF	1	7	F								SHAFT FRAG	4
DBF97	P4161	BOS	LM3	1	25	R					K12			COMPLETE	4
DBF97	P4162	CSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	P4163	OVCA	MTT	1	9	L				DG		SD-9.7		SHAFT-5 PIECES	4
DBF97	P4164	SSZ	TIB	1	4	F								DISTAL SHAFT FRAG	4
DBF97	P4165	OVCA	LM3	1	6	L					K13			COMPLETE	4
DBF97	P4166	OVCA	MTC	1	5	L		12				Bp-18.9		PROX END- SMALL - 3 PIECES	4
DBF97	P4166	OVCA	UM3	1	8	R					K9			COMPLETE	4
DBF97	P4166	SSZ	RIB	1	1	F								SHAFT FRAG- 2 PIECES	4
DBF97	P4166	UNI	UNI	1	0	F								INDET	4
DBF97	P4167	OVCA	RAD	1	8	L		3		DG		SD-13.2		SHAFT-DISTAL CHEWED	4
DBF97	P4169	BOS	UM1	1	15	R					I15			COMPLETE	4
DBF97	P4170	SUS	LMV	1	3	F	CNAN	4						CENTRUM	4
DBF97	P4174	CSZ	LBF	1	10	F								SHAFT FRAG- 3 PIECES	3
DBF97	P4175	CSZ	UNI	1	1	F								INDET	4
DBF97	P4177	SSZ	LBF	1	1	F								SHAFT FRAG- 2 PIECES	4
DBF97	P4178	CSZ	LBF	1	4	F								SHAFT FRAG	3
DBF97	P4179	UNI	UNI	1	1	F								INDET- 2 PIECES	4
DBF97	P4181	BOS	LM1	1	9	F					I15			4 PIECES	3
DBF97	P4183	OVCA	UM	1	1	F								ENAMEL FRAG	2
DBF97	P4186	OVCA	UM	1	2	F								CUSPS BROKEN	3
DBF97	P4189	UNI	UNI	1	0	F								INDET- 2 PIECES	4
DBF97	P4191	CSZ	RIB	1	1	F								SHAFT FRAG	3



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P4192	EQU	LI	1	3	F								WELL WORN-BROKEN	3
DBF97	P4202	SSZ	LBF	1	2	F								SHAFT FRAG-SL POROUS	4
DBF97	P4207	SSZ	LBF	2	1	F								SHAFT FRAG	4
DBF97	P4207	SSZ	LBF	1	2	F								SHAFT FRAG-POROUS	4
DBF97	P4208	UNI	UNI	1	0	F								INDET	4
DBF97	P4218	OVCA	MTC	1	2	F								ANT SHAFT FRAG	4
DBF97	P4223	OVCA	TIB	1	9	L				DG		SD-10.1		SHAFT-DIST CHEWED- 3 PIECES-IMM?	4
DBF97	P4239	EQU	UM	1	60	L								SL WEAR ONLY- 3 PIECES	4
DBF97	P4245	SUS	SKL	1	9	L		2						OCCIPITAL WITH CONDYLE- 2 PIECES	4
DBF97	P4245	SUS	RAD	1	14	L	PF	123				Pb-28 Dp-18.2 SD-16.8		PROX HALF- 2 PIECES	4
DBF97	P4247	SSZ	HUM	1	2	R	DF							LATERAL FRAG CONDYLE-PIG?	4
DBF97	P4262	OVCA	MTC	1	1	F								SHAFT FRAG	4
DBF97	P4264	OVCA	MAN	1	9	L					h18112J8			FRAGMENTED- 6 PIECES	4
DBF97	P4264	SSZ	LBF	1	0	F								SHAFT FRAG	4
DBF97	P4265	EQU	PH3	1	34	W		1				B-74		COMPLETE- 4 PIECES	4
DBF97	P4268	BOS	AST	1	35	L		1	KN			L2-55.8 Bp-43.6 Dd-28.5		BROKEN-LATERAL CUT	4
DBF97	P4269	SUS	HUM	1	16	R	DN	6789						DISTAL HALF- 3 PIECES-EPI UNATTACHED	4
DBF97	P4278	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	P4281	SSZ	RIB	1	2	F								PROX SHAFT FRAG	4
DBF97	P4284	BOS	MAX	1	5	R		0			g12			2 PIECES	4
DBF97	P4284	CSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	P4287	BOS	UPM2	1	6	L					F11			COMPLETE	4
DBF97	P4289	CSZ	RIB	1	2	F								SHAFT FRAG-POSSIBLY USED!	4
DBF97	P4290	SSZ	RIB	1	0	F								SHAFT FRAG	4
DBF97	P4292	CSZ	LBF	1	1	F								SHAFT FRAG	3
DBF97	P4293	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	P4298	SSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	P4299	SUS	FIB	1	2	F	DN							DISTAL SHAFT	4
DBF97	P4301	CSZ	TRV	1	6	F								BASE OF SPINE- 4 PIECES	4
DBF97	P4303	BOS	RAD	1	30	R		3						PROX SHAFT FRAG- 4 PIECES	3
DBF97	P4303	BOS	ULN	1	6	F								SHAFT FRAG-PROB SAME LIMB AS ABOVE	4
DBF97	P4306	BOS	LM2	1	17	R					J14			ROOTS BROKEN	3
DBF97	P4310	OVCA	MAN	1	7	R					I6			FRAGMENTED-13 PIECES-LAMB	3
DBF97	P4314	CSZ	UNI	1	1	F								INDET	3



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P4326	BOS	TTH	1	2	F								ENAMEL FRAG	2
DBF97	P4328	CSZ	LBF	1	11	F								SHAFT FRAG	4
DBF97	P4335	OVCA	TIB	1	12	L				DG		SD-13		DISTAL HALF- 4 PIECES-DIST CHEWED	4
DBF97	P4344	SSZ	LBF	1	2	F				DG				SHAFT FRAG-CHEWED	3
DBF97	P4353	BOS	TTH	1	4	F								ENAMEL FRAG	3
DBF97	P4354	CSZ	LBF	1	3	F								SHAFT FRAG- 2 PIECES	3
DBF97	P4354	UNI	UNI	1	0	F								INDET	3
DBF97	P4355	BOS	TTH	1	2	F								ENAMEL FRAG	3
DBF97	P4359	BOS	MAN	1	23	L		5						POST FRAG ASC RAMUS WITH CONDYLE- 6 PIECES	4
DBF97	P4361	CSZ	LBF	1	7	F								SHAFT FRAG	4
DBF97	P4364	BOS	TTH	1	3	F								CUSP FRAG	3
DBF97	P4367	OVCA	HUM	1	11	R		690		DG				SHAFT- 6 PIECES- DIST CHEWED	3
DBF97	P4372	CSZ	LBF	1	7	F								SHAFT FRAG	4
DBF97	P4373	CSZ	RIB	1	3	F				DG				SHAFT FRAG-CHEWED	4
DBF97	P4373	SSZ	LBF	1	3	F								SHAFT FRAG	4
DBF97	P4374	SSZ	RIB	1	2	F								PROX SHAFT FRAG	4
DBF97	P4375	CSZ	UNI	1	7	F								INDET-POSS INN	4
DBF97	P4377	CSZ	LBF	1	3	F								SHAFT FRAG	3
DBF97	P4378	OVCA	MTT	1	1	F				DG				FRAG PROX END-CHEWED	3
DBF97	P4378	SSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	P4386	OVCA	TIB	1	7	L		4		DG				PROX SHAFT-PROX CHEWED	3
DBF97	P4387	SSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	P4389	BOS	MTC	1	26	R				DG				SPLIT SHAFT-DIST END CHEWED-POROUS	3
DBF97	P4390	SSZ	FEM	1	4	F								SHAFT FRAG- 2 PIECES	4
DBF97	P4394	BOS	MTC	1	42	L		1	CH					SPLIT PROX END-SHAFT CHOPPED	4
DBF97	P4396	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	P4397	SSZ	MAN	1	0	F								FRAG	4
DBF97	P4398	CSZ	SCP	1	3	L								CRANIAL MARGIN DISTAL BLADE-CALF?	3
DBF97	P4399	SSZ	LBF	1	1	F								SHAFT FRAG	3
DBF97	P4400	SSZ	LBF	1	1	F								SHAFT FRAG	3
DBF97	P4400	UNI	UNI	1	1	F								INDET	4
DBF97	P4400	UNI	UNI	2	1	F								INDET	4
DBF97	P4401	BOS	TIB	1	21	F								MIDSHAFT	3
DBF97	P4402	CSZ	LBF	1	3	F								SHAFT FRAG- 2 PIECES	3



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P4403	BOS	TTH	1	0	F								ENAMEL FRAG	3
DBF97	P4405	CSZ	LBF	1	4	F								SHAFT FRAG- 2 PIECES	3
DBF97	P4406	CSZ	LBF	1	2	F				DG				SHAFT FRAG-CHEWED-?ANT PROX FRAG BOS MTC?	3
DBF97	P4407	OVCA	UPM3	1	0	R								WELL WORN	3
DBF97	P4408	SSZ	TIB	1	4	F								SHAFT FRAG- 3 PIECES	3
DBF97	P4409	SSZ	LBF	1	1	F		CH						SHAFT FRAG-CHOPPED	4
DBF97	P4410	BOS	PH1	1	7	F								FRAG DISTAL HALF	3
DBF97	P4410	UNI	UNI	1	1	F								INDET	3
DBF97	P4412	BOS	CAL	1	14	L		3						DISTAL END	4
DBF97	P4415	BOS	MTC	1	3	F								FRAG PROX END- 3 PIECES	3
DBF97	P4417	OVCA	UM3	1	5	R					K14			COMPLETE	3
DBF97	P4418	OVCA	MAN	1	1	F								LATERAL FRAG HORI RAMUS- 2 PIECES	4
DBF97	P4419	OVCA	MTC	1	1	F								ANT SHAFT FRAG	4
DBF97	P4420	BOS	MAN	1	16	L		23						DIASTEMAL FRAG- SMALL	3
DBF97	P4420	UNI	UNI	1	1	F								INDET	3
DBF97	P4421	OVCA	HUM	1	9	L	DF	689						DISTAL HALF-EPI DAMAGED	3
DBF97	P4422	CSZ	LBF	1	7	F								SHAFT FRAG- 2 PIECES	4
DBF97	P4423	SSZ	LBF	1	2	F								SHAFT FRAG- 2 PIECES	4
DBF97	P4423	UNI	UNI	1	0	F								INDET	3
DBF97	P4424	OVCA	LM3	1	4	R					K12			COLUMN BROPKEN	3
DBF97	P4427	CSZ	RIB	1	27	F								SHAFT- 9 PIECES	4
DBF97	P4428	BOS	MAN	1	9	R		6						ANGLE-SMALL-IMM?	4
DBF97	P4429	OVCA	UM3	1	6	R					K12			COMPLETE	3
DBF97	P4430	CSZ	UNI	1	3	F				DG				INDET	3
DBF97	P4441	OVCA	HUM	1	9	R	DF	789	KN			BT-28.2 HT-17.3		DISTAL END-EPI CUT LATERALLY- 3 PIECES	4
DBF97	P4443	SSZ	LMV	1	2	F	CNAN	4						CENTRUM	4
DBF97	P4444	EQU	FEM	1	45	R								AND PROX SHAFT FRAG- 3 PIECES	4
DBF97	P4445	SUS	INN	1	7	F				DG				ISCHIAL SHAFT- 4 PIECES-ANT CHEWED	4
DBF97	P4450	BOS	PH1	1	16	L	PF	12		DG				PERIPHERAL DAMAGE-PROX CHEWED	4
DBF97	P4451	OVCA	CAL	1	3	L	PF	12						PROX TWO THIRDS- 3 PIECES	3
DBF97	P4451	UNI	UNI	1	2	F								INDET- 3 PIECES	3
DBF97	P4453	SSZ	LBF	1	0	F								SHAFT FRAG	3
DBF97	P4453	SSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	P4453	UNI	UNI	1	1	F								INDET-PLATE FRAG	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P4459	OVCA	TIB	1	6	F								DISTAL SHAFT FRAG- 5 PIECES	4
DBF97	P4460	SSZ	LBF	1	1	F								SHAFT FRAG-POROUS	4
DBF97	P4460	SSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	P4463	BOS	MAN	1	42	L					I12J8			FRAG- 8 PIECES	3
DBF97	P4466	CSZ	UNI	1	7	F								INDET- 8 PIECES	4
DBF97	P4470	BOS	MAN	1	5	F								POST FRAG ASC RAMUS	4
DBF97	P4473	CSZ	CEV	1	16	F			CH					FRAG NEURAL ARCH WITH ZYGA-POST CHOPPED TRANS	4
DBF97	P4473	CSZ	UNI	1	4	F								INDET	4
DBF97	P4473	SSZ	FEM	1	9	F				DG				SHAFT FRAG-CHEWED	4
DBF97	P4474	CSZ	RIB	1	9	R			CH					PROX SHAFT-CAPUT CHOPPED OFF-SMALL-IMM	4
DBF97	P4475	CSZ	LBF	1	2	F								SHAFT FRAG-POROUS	4
DBF97	P4478	BOS	MTT	1	13	F								POST SHAFT FRAG	4
DBF97	P4481	BOS	UM2	1	26	L					J6			POST CUSP BROKEN	4
DBF97	P4481	CSZ	SKL	1	5	F								INDET	4
DBF97	P4483	BOS	TIB	1	42	L	DF	567				Bd-52		DISTAL END	4
DBF97	P4485	CSZ	UNI	1	4	F								FRAG	4
DBF97	P4485	SSZ	LBF	2	5	F								SHAFT FRAG	4
DBF97	P4485	UNI	UNI	2	0	F								INDET	4
DBF97	P4486	UNI	UNI	1	1	F			B					CALCINED FRAG	4
DBF97	P6014	BOS	LPM3	1	3	R					G10				4
DBF97	P6015	CSZ	LBF	1	4	F				DG				SHAFT FRAG-CHEWED	4
DBF97	P6016	SSZ	LBF	1	4	F			KN	DG				SHAFT FRAG	4
DBF97	P6025	CSZ	RIB	1	14	F								SHAFT FRAG	4
DBF97	P6026	CSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	P6026	OVCA	TIB	1	3	R		4						PROX SHAFT FRAG- 2 PIECES	4
DBF97	P6026	SSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	P6029	CSZ	LBF	1	12	F	PN							FRAG PROX SHAFT- 2 PIECES	4
DBF97	P6031	BOS	LM3	1	24	L					K12			COMPLETE	4
DBF97	P6037	SSZ	LBF	1	3	F				DG				SHAFT FRAG-CHEWED	4
DBF97	P6039	CSZ	LBF	1	4	F								SHAFT FRAG	3
DBF97	P6040	BOS	MTT	1	20	F				DG				PROX SHAFT FRAG-PROX CHEWED- 3 PIECES	4
DBF97	P6041	CSZ	LBF	1	11	F			CH	DG				SHAFT FRAG-CHOPPED AND CHEWED	4
DBF97	P6045	OVCA	MAN	1	5	L		5						POST FRAG ASC RAMUS- 3 PIECES	4
DBF97	P6053	CSZ	UNI	1	12	F								INDET	3



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P6055	SSZ	UNI	1	1	F								INDET	3
DBF97	P6057	CSZ	LBF	1	2	F								SHAFT FRAG	3
DBF97	P6062	OVCA	HUM	1	4	L								DISTAL SHAFT FRAG	4
DBF97	P6066	BOS	MAN	1	23	L		5						FRAG WITH CONDYLE- 5 PIECES-POROUS	4
DBF97	P6068	CSZ	LBF	1	7	F								SHAFT FRAG	4
DBF97	P6071	BOS	MAN	1	6	F								FRAG WITH TOOTH ALVEOLUS-2 PIECES	4
DBF97	P6072	BOS	PH1	1	26	L	PF	12						COMPLETE	4
DBF97	P6076	SSZ	FEM	1	2	F				DG				SHAFT FRAG WITH TOOTH MARKS	4
DBF97	P6077	BOS	HUM	1	13	L								DISTAL SHAFT FRAG	3
DBF97	P6077	SSZ	LBF	2	2	F								SHAFT FRAG	4
DBF97	P6078	OVCA	MAN	1	2	L					17			ANT FRAG- 5 PIECES-INC	3
DBF97	P6086	BOS	DUPM	1	2	F					g/h7			ANT CUSP FRAG	4
DBF97	P6094	OVCA	TTH	1	1	F								2 ENAMEL FRAGS	3
DBF97	P6094	UNIB	UNI	1	0	F								FRAG-2 PIECES INDET	4
DBF97	P6098	CSZ	LBF	1	4	F								SHAFT FRAG	3
DBF97	P6100	CSZ	UNI	1	8	F			CH					SHAFT FRAG-CHOPPED - 3 PIECES	4
DBF97	P6101	CSZ	LBF	1	11	F								SHAFT FRAG- 4 PIECES	4
DBF97	P6109	BOS	PH3	1	9	R		1						PROX HALF	4
DBF97	P6111	CSZ	LBF	1	1	F								SHAFT FRAG	3
DBF97	P6113	CSZ	RIB	1	1	F								SHAFT FRAG- 2 PIECES	4
DBF97	P6116	BOS	MTT	1	3	F				DG				PROX SHAFT FRAG-PROX CHEWED	4
DBF97	P6117	UNI	SKL	1	1	F								SHAFT FRAG	4
DBF97	P6122	SSZ	LBF	1	2	F				DG				SHAFT FRAG- 5 PIECES	3
DBF97	P6130	OVCA	MTC	1	8	F						SD-10.5		SHAFT-GRACILE	4
DBF97	P6135	OVCA	TIB	1	8	R								DISTAL HALF SHAFT- 4 PIECES	4
DBF97	P6136	OVCA	MTT	1	6	L		12				Bp-18 Dp-17.2 SD-10.2		PROX END-GRACILE	4
DBF97	P6140	SSZ	LBF	1	1	F								SHAFT FRAG-POROUS	3
DBF97	P6141	SSZ	LBF	1	3	F								SHAFT FRAG	3
DBF97	P6145	SUS	TTH	1	1	F								CUSP FRAG	4
DBF97	P6146	CSZ	LBF	1	6	F								SHAFT FRAG- 5 PIECES	4
DBF97	P6146	CSZ	LBF	2	5	F								SHAFT FRAG	4
DBF97	P6150	OVCA	RAD	1	12	R		3		DG		SD-15.1		SHAFT-BOTH ENDS CHEWED	4
DBF97	P6150	SUS	RAD	1	5	R	PN	3						PROX HALF SHAFT-PROX EPI LOST	3
DBF97	P6153	BOS	LPM3	1	3	L					G10			COMPLETE	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P6154	OVCA	MTP	1	1	F								POST SHAFT FRAG	4
DBF97	P6155	SSZ	FEM	1	2	F				DG				SHAFT FRAG	4
DBF97	P6157	SSZ	RIB	1	0	F								SHAFT FRAG	4
DBF97	P6158	BOS	MAN	1	6	F								VENTRAL FRAG HORI RAMUS	4
DBF97	P6158	CSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	P6161	BOS	MAN	1	10	F								POST FRAG HORI RAMUS- 4 PIECES	4
DBF97	P6162	BOS	CAL	1	16	R	PN			DG				PROX SHAFT-PROX AND DIST ENDS CHEWED	4
DBF97	P6163	OVCA	MAN	1	14	R					K12			FRAG HROI RAMUS WITH M3	4
DBF97	P6165	CSZ	LBF	1	7	F								SHAFT FRAG	4
DBF97	P6166	CSZ	TIB	1	9	F				DG				DISTAL SHAFT FRAG-SL CHEWED	4
DBF97	P6167	BOS	ATL	1	13	F								LATERAL FRAG- 2 PIECES	4
DBF97	P6168	SSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	P6169	SSZ	TRV	1	3	F		1						SPINE	4
DBF97	P6170	BOS	MAN	1	3	L		7			K2			ANT FRAG ASC RAMUS-M3 NOT UP-POSS M2 ALSO-JUV	4
DBF97	P6171	OVCA	MAN	1	3	L		2						DIASTEMAL FRAG	3
DBF97	P6172	BOS	SCP	1	24	L		35		DG				DISTAL BLADE AND NECK-DIST END CHEWED	4
DBF97	P6173	CSZ	MAX	1	4	F								FRAG WITH ALVEOLUS	4
DBF97	P6174	SSZ	TIB	1	1	F								PROX SHAFT FRAG	4
DBF97	P6176	BOS	FEM	1	4	F		4						FRAG ZONE 4	4
DBF97	P6177	BOS	RAD	1	18	R	PF	1		DG				FRAG PROX END-WELL CHEWED	4
DBF97	P6177	CSZ	LBF	1	9	F								SHAFT FRAG	4
DBF97	P6177	CSZ	RIB	1	2	F								SHAFT FRAG	4
DBF97	P6179	BOS	UPM4	1	12	R					H12			COMPLETE	4
DBF97	P6180	CSZ	LBF	1	3	F								SHAFT FRAG	4
DBF97	P6180	SSZ	LBF	1	2	F								SHAFT FRAG	4
DBF97	P6181	CSZ	UNI	1	7	F								FRAG	4
DBF97	P6182	CSZ	RIB	1	2	F								SHAFT FRAG	4
DBF97	P6183	CSZ	RIB	1	4	F								SHAFT FRAG- 3 PIECES	4
DBF97	P6185	CSZ	RIB	1	1	F								SHAFT FRAG	4
DBF97	P6188	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	P6189	BOS	ULN	1	11	R								PROX SHAFT FRAG	3
DBF97	P6191	OVCA	MTC	1	3	F								ANT MIDSHAFT FRAG	4
DBF97	P6192	CSZ	LBF	1	3	F								SHAFT FRAG	4
DBF97	P6193	OVCA	SKL	1	1	R								PREMAXILLA	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	prefer vation
DBF97	P6194	BOS	CAL	1	20	L	PN			DG				PROX SHAFT-PROX AND DIST END CHEWED	4
DBF97	P6202	CSZ	LBF	1	1	F								FRAG	3
DBF97	P6204	CSZ	LBF	1	6	F								SHAFT FRAG - 2 PIECES	3
DBF97	P6208	SUS	SKL	1	2	L								ZYGOMATIC ARCH	4
DBF97	P6209	BOS	LI	1	1	L								SL WEAR DEC?	4
DBF97	P6210	SUS	TIB	1	9	R		3		DG				SPLIT SHAFT FRAG-PROX CHEWED	4
DBF97	P6210	SUS	ULN	1	6	L		3						DISTAL FRAG PROX ARTIC	4
DBF97	P6212	BOS	LI	1	0	L								NO WEAR-DEC?	4
DBF97	P6213	SUS	HUM	1	27	R		690		DG				SHAFT-DIST CHEWED	3
DBF97	P6216	CSZ	SCP	1	3	F								FRAG CAUDAL MARGIN	4
DBF97	P6217	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	P6217	UNI	UNI	1	2	F								INDET	4
DBF97	P6218	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	P6218	UNI	UNI	2	1	F								INDET	4
DBF97	P6219	OVCA	UM2	1	5	R					J12			COMPLETE	4
DBF97	P6220	BOS	MAX	1	8	L					F10			4 FRAGS	4
DBF97	P6220	BOS	SKL	1	2	F								BASIOCCIPITAL FRAG	4
DBF97	P6220	SSZ	LBF	1	1	F								SHAFT FRAG	4
DBF97	P6221	CSZ	UNI	1	3	F			W					DISCARDED UNFISHED CRUDELY WORKED PIN-POSS ANTLER	4
DBF97	P6223	BOS	PH1	1	9	L	PN	2						PROX EPI LOST	4
DBF97	P6224	BOS	RAD	1	82	R	PF	12				Bp-75		PROX END	4
DBF97	P6500	CSZ	TRV	1	9	F		1						SPINE - 2 PIECES-1578	2
DBF97	P6503	UNI	UNI	1	0	F								INDET	4
DBF97	P6505	BOS	TIB	1	47	L	DF	567					Bd-55.3 Dd-41.7	DISTAL END- 1263	4
DBF97	P6506	SSZ	LBF	1	0	F			KN					SHAFT FRAG-CUT-1120	4
DBF97	P6517	CSZ	CEV	1	17	F								LATERAL FRAG WITH ANT ZYGA- 1263	4
DBF97	P6518	OVCA	LM3	1	6	L					K12			COMPLETE-1263	4
DBF97	P6520	CSZ	LBF	1	2	F			B					CHARRED SHAFT FRAG- 1263	4
DBF97	P6520	UNI	UNI	1	1	F								TRV SPINE?- 1263	4
DBF97	P6522	OVCA	RAD	1	9	L				DG		SD-13.8		SHAFT-BOTH ENDS CHEWED-1263	4
DBF97	P6529	SSZ	LBF	1	1	F								SHAFT FRAG-1263	3
DBF97	P6532	CSZ	UNI	1	5	F								INDET-1263	4
DBF97	P6534	OVCA	MTC	1	1	F								SHAFT FRAG-1263	4
DBF97	P6538	OVCA	MTC	1	1	F				DG				SHAFT FRAG-CHEWED-SAME BONE AS P6534- 1263	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P6540	SSZ	LBF	1	1	F								SHAFT FRAG-POROUS-1263	3
DBF97	P6542	OVCA	LPM4	1	1	R					H5			COMPLETE-1263	4
DBF97	P6548	CSZ	LBF	1	1	F								SHAFT FRAG-1263	4
DBF97	P655	OVCA	UM2	1	5	R					J13			COMPLETE	4
DBF97	P6551	SSZ	RIB	1	1	F								SHAFT FRAG - 2 PIECES-1263	4
DBF97	P6553	BOS	LI	1	2	L								WELL WORN-1550	4
DBF97	P6557	CSZ	LBF	1	19	F				DG			P	POSS HORSE FEM-SHAFT FRAG WITH ABCESS HOLE AND BONE GROWTH INSIDE AND OUT-1263	3
DBF97	P6559	BOS	DUP4	1	7	R					h14			COMPLETE-1263	4
DBF97	P656	OVCA	MTT	1	2	L		12				Bp-16.3 Dp-16.8		PROX END- 3 PIECES	4
DBF97	P6562	EQU	LM	1	14	F								SPLIT CUSP- 1263	3
DBF97	P6563	CSZ	UNI	1	12	F				DG				SHAFT? FRAG-CHEWED- 1263	4
DBF97	P6564	SSZ	LBF	1	2	F				DG				SHAFT FRAG-CHEWED- 1263	4
DBF97	P6569	SSZ	TRV	1	1	F								SPINE FRAG - 1567	4
DBF97	P6577	OVCA	UM2	1	3	L					J8			ROOTS LOST-1263	4
DBF97	P6580	CSZ	RIB	1	2	F								SHAFT FRAG-1120	4
DBF97	P6581	OVCA	DLI	1	0	L								SL WEAR-1710	4
DBF97	P6582	OVCA	SKL	1	1	L								PREMAXILLA-1710	4
DBF97	P6583	SSZ	LBF	1	1	F								SHAFT FRAG-1710	4
DBF97	P6585	OVCA	DUPM	1	0	F								ERODED-1710	2
DBF97	P6586	CAN	CEV	1	8	W	CFAF	12345						COMPLETE-1710	4
DBF97	P6586	SSZ	CDV	1	0	F	CNAN	234						CENTRUM-1710	4
DBF97	P6588	SSZ	LBF	1	2	F								SHAFT FRAG-1263	4
DBF97	P6590	OVCA	MAX	1	12	R					GH12I12K8			7 PIECES- 1263	4
DBF97	P6593	CSZ	RIB	1	3	F			CH					SHAFT FRAG-CHOPPED-1263	4
DBF97	P6593	UNI	UNI	1	0	F								INDET-1263	4
DBF97	P6595	SSZ	UNI	1	0	F			B					CHARRED FRAG-1710	4
DBF97	P6596	CSZ	UNI	1	2	F								INDET-1263	3
DBF97	P6597	OVCA	MTT	1	0	F								SHAFT FRAG-V SMALL-POROUS-LAMB-4 PIECES-1710	4
DBF97	P6600	SUS	FIB	1	1	F								SHAFT FRAG-1263	4
DBF97	P6602	SSZ	LBF	1	1	F				DG				SHAFT FRAG-CHEWED-1263	4
DBF97	P6602	SSZ	RIB	1	1	F								SHAFT FRAG-1263	4
DBF97	P6602	SSZ	UNI	1	0	F								INDET-1263	4
DBF97	P6605	SSZ	FEM	1	2	F								SHAFT FRAG-1120	4
DBF97	P6605	SSZ	LBF	1	4	F				DG				SHAFT FRAG-CHEWED-1120	4



site	Conf.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P6606	SSZ	RIB	1	1	F								SHAFT FRAG-3 PIECES-1120	4
DBF97	P6609	OVCA	MTT	1	3	R		1						SPLIT PROX END- 1263	4
DBF97	P6613	CSZ	UNI	1	1	F								FRAG-2 PIECES-1710	3
DBF97	P6616	OVCA	DLP4	1	2	L					h11			COMPLETE-1710	4
DBF97	P6619	OVCA	CAL	1	2	L		2						FARG WITH SUSTENTACULUM-1710	4
DBF97	P6621	OVCA	HUM	1	5	L	DN	69						DISTAL HALF SHAFT-POROUS-LAMB-1710	4
DBF97	P6622	BOS	TTH	1	1	F								ENAMEL FRAG- 2 PIECES- 1710	3
DBF97	P6624	SSZ	LBF	1	1	F			B					CHARRED SHAFT FRAG-1710	4
DBF97	P6626	SSZ	LBF	1	1	F								POROUS-1710	3
DBF97	P6627	OVCA	SKL	1	1	L								ZYGOMATIC FRAG-1710	4
DBF97	P6631	OVCA	MTT	1	1	F								SHAFT FRAG-1710	4
DBF97	P6631	UNI	UNI	1	0	F			B					CHARRED FRAG-1710	3
DBF97	P6634	SSZ	LBF	1	1	F								SHAFT FRAG-1710	4
DBF97	P6637	SUS	INN	1	14	L	EF	7		DG				ISCHIAL SHAFT-POST CHEWED-1120	4
DBF97	P6639	CSZ	LBF	1	4	F				DG				SHAFT FRAG-CHEWED-1120	4
DBF97	P6660	OVCA	TIB	1	8	L	DF	567		DG				DISTAL END-1263	4
DBF97	P6662	SSZ	LBF	2	1	F								SHAFT FRAG-1263	4
DBF97	P6664	BOS	PH2	1	11	R	PF	12						SL DAMAGE-1263	4
DBF97	P6673	SSZ	RIB	1	0	F								PROX SHAFT FRAG-1263	4
DBF97	P6675	CSZ	RIB	1	13	R								PROX SHAFT-2 PIECES-1ST RIB-1263	4
DBF97	P6678	BOS	FEM	1	13	R		4		DG				DISTAL SHAFT FRAG-DIST CHEWED- 2 PIECES-1263	4
DBF97	P6680	BOS	MTP	1	3	F								SHAFT FRAG-1263	4
DBF97	P6680	SSZ	LBF	2	3	F								SHAFT FRAG-1263	4
DBF97	P6683	SSZ	LBF	1	1	F								SHAFT FRAG-1263	4
DBF97	P6684	SSZ	LBF	1	0	F								SHAFT FRAG-1263	3
DBF97	P6689	BOS	DUP3	1	6	R					g12			COMPLETE-1263	4
DBF97	P6690	CSZ	LBF	1	3	F								SHAFT FRAG- 3 PIECES-1263	3
DBF97	P6697	CSZ	UNI	1	1	F								INDET-1263	4
DBF97	P6698	SSZ	LBF	1	1	F								SHAFT FRAG-1263	4
DBF97	P6699	CSZ	LBF	1	3	F								SHAFT FRAG-1263	4
DBF97	P6702	OVCA	RAD	1	11	R	PF	123				Bp-28 Dp-14.5 SD-15.7		PROX HALF-1710	4
DBF97	P6702	OVCA	ULN	1	1	F								SHAFT FRAG-1710	4
DBF97	P6702	SSZ	UNI	1	1	F								INDET-1710	4
DBF97	P6705	OVCA	MAN	1	1	R		5						POST FRAG ASC RAMUS-WITH CONDYLE-SMALL-IMM-1263	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P6716	SSZ	LBF	1	1	F								SHAFT FRAG-1263	3
DBF97	P6718	OVCA	MTC	1	2	F				DG				SHAFT FRAG-CHEWED-1263	4
DBF97	P6721	SSZ	LBF	1	1	F								SHAFT FRAG-1263	4
DBF97	P6727	CSZ	UNI	1	1	F								INDET-1263	3
DBF97	P6733	SSZ	LBF	1	1	F								SHAFT FRAG-1120	4
DBF97	P6734	OVCA	DUP4	1	1	L					h11			CUSP BROKEN-1120	4
DBF97	P6738	UNI	SKL	1	0	F								INDET-4 PIECES-1120	4
DBF97	P6740	BOS	FEM	1	23	F				DG				DISTAL SHAFT FRAG-DIST CHEWED-1120	4
DBF97	P6742	SSZ	LBF	1	1	F								SHAFTFRAG=1120	4
DBF97	P6745	SMA	LBF	1	0	F								SHAFT FRAG-1120	3
DBF97	P6747	SUS	MAX	1	5	F					l11			2 PIECES-1120	4
DBF97	P6750	UNI	UNI	1	1	F								INDET-1120	4
DBF97	P6752	CSZ	HUM	1	24	F	PF	1						PART HEAD-1120	4
DBF97	P6756	SSZ	RIB	1	0	F								SHAFT FRAG- 2 PIECE-1120	4
DBF97	P6757	SSZ	LBF	1	0	F								SHAFT FRAG-1120	4
DBF97	P6761	SUS	FEM	1	6	F						SD-16 SB-19.5		MIDSHAFT-1120	4
DBF97	P6764	OVCA	UM2	1	6	L					J10			COMPLETE-1120	4
DBF97	P6767	SUS	MAN	1	18	R					H8I11J8			FRAGMENTED- 9 PIECES- 1120	4
DBF97	P6768	SSZ	LBF	1	1	F								SHAFT FRAG-1120	4
DBF97	P6769	UNI	UNI	1	1	F			B					CHARRED FRAG-1263	4
DBF97	P6770	SSZ	LBF	1	1	F								SHAFT FRAG-SL POROUS-1120	4
DBF97	P6772	CSZ	LBF	1	4	F								FACET FRAG-POSS CONDYLE OF FEM- 1120	4
DBF97	P6776	SSZ	LBF	1	1	F								SHAFT FRAG-1120	4
DBF97	P6779	CSZ	LBF	1	2	F								SHAFT FRAG-1120	3
DBF97	P6782	CSZ	LBF	1	2	F								SHAFT FRAG-1120	3
DBF97	P6790	BOS	CQ	1	11	F		1		DG				HALF-CHEWED-1263	3
DBF97	P6794	GOOS	FIB	1	1	F								SHAFT FRAG-1120	4
DBF97	P6801	OVCA	UM2	1	4	R					J8			COMPLETE-1120	4
DBF97	P6802	UNI	SKL	1	0	F								INDET-1120	4
DBF97	P6803	OVCA	PH2	1	1	R	PF	12						COMPLETE-1120	4
DBF97	P6804	SSZ	RIB	1	1	F								PROX SHAFT- 2 PIECES-1120	4
DBF97	P6804	UNI	UNI	1	0	F								INDET-1120	4
DBF97	P6806	OVCA	AST	1	2	R		1						ERODED-1120	3
DBF97	P6809	SUS	SKL	1	1	F								POST PARIETAL FRAG-1120	3



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P6823	SSZ	FEM	1	2	F								SHAFT FRAG-1263	4
DBF97	P6833	SUS	MAN	1	3	R					h12			FRAG WITH DP4-1263	3
DBF97	P6834	OVCA	UM2	1	4	R					J12			COMPLETE-1263	4
DBF97	P6836	BOS	MAN	1	35	L		6						POST VENTRAL FRAG HORI RAMUS-M3 PROB UP-1120	4
DBF97	P6838	CSZ	LBF	1	3	F								SHAFT FRAG- 1120	4
DBF97	P6839	SSZ	LBF	1	0	F								SHAFT FRAG-1120	4
DBF97	P6842	CSZ	RIB	1	2	F								SPLIT SHAFT FRAG-1263	3
DBF97	P6843	CSZ	LBF	1	2	F								SHAFT FRAG-1120	4
DBF97	P6844	BOS	SKL	1	1	L								FRAG PREMAXILLA- 1120	4
DBF97	P6846	OVCA	MTC	1	1	F								MIDSHAFT FRAG-1120	4
DBF97	P6849	CSZ	CC	1	1	F								2 PIECES-1120	4
DBF97	P6850	UNI	UNI	1	0	F								INDET-1263	4
DBF97	P6856	OVCA	INN	1	1	L								PUBIC FRAG ACETAB-1263	3
DBF97	P6857	CSZ	LBF	1	4	F								SHAFT FRAG-2 PIECES-1120	4
DBF97	P6858	SSZ	LBF	1	0	F								SHAFT FRAG-1120	4
DBF97	P6862	SSZ	LBF	1	0	F								SHAFT FRAG-1120	4
DBF97	P6865	SUS	TIB	1	18	R		4		DG				PROX SHAFT-PROX CHEWED-1120	4
DBF97	P6866	UNI	UNI	1	1	F				DG				INDET-CHEWED-1120	3
DBF97	P6868	CSZ	UNI	1	4	F								INDET- 3 PIECES-VERY ERODED-1120	2
DBF97	P6870	BOS	UPM2	1	6	R					F11			COMPLETE-1263	4
DBF97	P6874	SSZ	LBF	1	1	F								SHAFT FRAG-1263	4
DBF97	P6875	SUS	MAX	1	10	L					I9J6K3			FRAG WITH M1 AND 2-1263	4
DBF97	P6876	CSZ	UNI	1	1	F								INDET-1263	4
DBF97	P6877	CSZ	UNI	1	2	F				DG				INDET-CHEWED-1263	4
DBF97	P6878	SSZ	SKL	1	1	F								2 PIECES-1120	4
DBF97	P6879	BOS	INN	1	12	R		4		DG				ANT PUBIC FRAG-CHEWED-1120	4
DBF97	P6879	OVCA	MTC	1	7	F				DG				SHAFT-DIST CHEWED- 3 PIECES-1120	4
DBF97	P6884	OVCA	MAX	1	5	R					FGH9			5 PIECES-1120	4
DBF97	P6885	OVCA	UM1	1	4	R					I12			POSS SAME AS P6884-1120	4
DBF97	P6886	UNI	UNI	1	1	F								INDET-1263	2
DBF97	P6889	SSZ	RIB	1	2	F								SHAFT FRAG- 4 PIECE-1120	4
DBF97	P6891	SSZ	LBF	1	4	F								SHAFT FRAG-1120	4
DBF97	P6893	SSZ	LBF	1	1	F								SHAFT FRAG-1120	4
DBF97	P6899	UNI	UNI	1	1	F								CHARRED FRAG-1523	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P6901	BOS	TTH	1	2	F								FRAG BROKEN CUSP-1523	4
DBF97	P6902	CSZ	UNI	1	2	F			B					CHARRED FRAG-1523	4
DBF97	P6904	UNI	UNI	1	1	F								INDET-1523	4
DBF97	P6906	OVCA	TIB	1	2	L				DG				PROX SHAFT FRAG-CHEWED-1523	4
DBF97	P6907	UNI	UNI	1	1	F								INDET-1523	4
DBF97	P6911	OVCA	LM2	1	2	R					J12			CUSPS BROKEN-1710	4
DBF97	P6912	SSZ	ULN	1	0	F								SHAFT FRAG-1523	4
DBF97	P6913	OVCA	HUM	1	7	L		69		DG				DISTAL SHAFT- 2 PIECES-DIST CHEWED- 1523	3
DBF97	P6914	SSZ	LBF	1	1	F								SHAFT FRAG-1120	4
DBF97	P6916	SSZ	RIB	1	1	F								PROX SHAFT-1523	4
DBF97	P6918	SSZ	LBF	1	1	F			B					CHARRED SHAFT FRAG-1523	4
DBF97	P6919	BOS	MTC	1	2	F				DG				ANT SHAFT FRAG-PROX CHEWED-SMALL-IMM?-1523	4
DBF97	P6923	SSZ	RIB	1	0	F								SHAFT FRAG- 1523	4
DBF97	P6928	BOS	DUP3	1	5	R					g7			COMPLETE-1120	4
DBF97	P6929	SUS	UI	1	0	F								1120	4
DBF97	P6936	BOS	PH3	1	15	L		1						SL DAMAGE-1523	4
DBF97	P6936	UNI	UNI	1	1	F								INDET-1120	4
DBF97	P6937	SSZ	LBF	1	1	F			B					CHARRED SHAFT FRAG-TIB?-1523	4
DBF97	P6938	OVCA	RAD	1	8	R				DG		SD-15.8		DISTAL SHAFT-DIST CHEWED-1523	4
DBF97	P6939	OVCA	MTT	1	3	F				DG				SPLIT PROX AND MIDSHAFT- 2 PIECES-PROX CHEWED-1523	4
DBF97	P6940	CSZ	LBF	1	4	F								SHAFT FRAG-POROUS- 2 PIECES- 1523	4
DBF97	P6946	SSZ	LBF	1	1	F								INDET-1120	3
DBF97	P6947	SSZ	TIB	1	2	F								DIST SHAFT FRAG-1120	2
DBF97	P6962	BOS	UM2	1	19	R					J14			ANT CUSP BROKEN-1120	4
DBF97	P6964	SUS	UI	1	0	F								1263	3
DBF97	P6966	OVCA	MTT	1	1	F								SHAFT FRAG-1263	4
DBF97	P6974	SSZ	TIB	1	1	F			B					CALCINED DISTAL SHAFT FRAG-1710	4
DBF97	P6987	UNI	UNI	1	1	F								INDET-1120	4
DBF97	P6993	CSZ	RIB	1	5	F								SHAFT FRAG-1263	4
DBF97	P6998	UNI	SKL	1	1	F								INDET-1710	4
DBF97	P7008	CSZ	LBF	1	6	F								SHAFT FRAG	3
DBF97	P7011	CSZ	LBF	1	15	F								SHAFT FRAG- 3 PIECES	4
DBF97	P7015	OVCA	CAL	1	1	F	PF	1	CH					PROX END-CHOPPED AXIALLY-1561	4
DBF97	P7015	SSZ	LBF	1	0	F								SHAFT FRAG - 2 PIECES-1120	4



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P7016	SSZ	LBF	1	1	F								SHAFT FRAG-1263	4
DBF97	P7017	OVCA	PH2	1	0	F	PF	12						ERODED-1120	3
DBF97	P7021	SSZ	LBF	1	1	F								SHAFT FRAG-1120	4
DBF97	P7023	SSZ	LBF	1	0	F								SHAFT FRAG-1263	4
DBF97	P7024	BOS	MAX	1	11	R					g12			10 PIECES-1120	4
DBF97	P7025	SSZ	LBF	1	1	F								SHAFT FRAG-1263	4
DBF97	P7026	SSZ	TIB	1	1	F								DISTAL SHAFT FRAG- 1120	4
DBF97	P7027	CSZ	SKL	1	6	F								DORSAL FRAG- 3 PIECES-JUV-1120	4
DBF97	P7027	SSZ	LBF	1	1	F								SHAFT FRAG-1120	4
DBF97	P7028	OVCA	SCP	1	6	R		5						CAUDAL MARGIN OF DISTAL BLADE- 2 PIECES-1120	4
DBF97	P7029	SSZ	LBF	1	1	F			B					CHARRED SHAFT FRAG-1120	4
DBF97	P7030	OVCA	MAN	1	11	R		23					GH12	DIASTEMAL FRAG-1120	4
DBF97	P7031	SSZ	RIB	1	1	F								SHAFT-1565	4
DBF97	P7032	UNI	UNI	1	1	F								INDET-1263	4
DBF97	P7034	OVCA	MAN	1	12	R		7					K10	4 PIECES-1120	4
DBF97	P7036	UNI	UNI	1	1	F								INDET-1120	4
DBF97	P7037	UNI	UNI	1	0	F								INDET-1263	4
DBF97	P7039	EQU	LMV	1	72	F	CFAF	12345						3 PIECES-LAST LUMBAR- 1120	4
DBF97	P7039	OVCA	SCP	1	7	L		3						CRANIAL MARGIN OF BLADE WITH SPINE BASE- 3 PIECES-1120	4
DBF97	P7041	CSZ	TRV	1	24	F	AF	34						CENTRUM- 2 PIECES-1120	4
DBF97	P7043	OVCA	UM2	1	5	R					J12			COMPLETE-1120	4
DBF97	P7044	OVCA	UM2	1	5	R					J12			COMPLETE-1120	4
DBF97	P7045	OVCA	SKL	1	0	F			B					CHARRED PREMAXILLA FRAG-1120	4
DBF97	P7048	SSZ	RIB	1	1	F								SHAFT FRAG-1710	4
DBF97	P7049	SUS	MTP	1	3	F	DN	5						DISTAL SHAFT-EPI LOST-1263	4
DBF97	P7053	SSZ	TRV	1	0	F								FRAG SPINE BASE-1120	3
DBF97	P7055	CSZ	UNI	1	9	F				DG				FRAG-POSS SCP-1263	4
DBF97	P7072	EQU	UC	1	8	W								COMPLETE-1566	4
DBF97	P7073	OVCA	SCP	1	8	R		235		DG				DISTAL HALF-GLENOID DAMAGED-CHEWED-1564	4
DBF97	P7074	CSZ	RIB	1	13	F								SHAFT FRAG-1565	4
DBF97	P7079	OVCA	TIB	1	13	L		4				SD0-12.4		MIDSHAFT-3 PIECES-1523	4
DBF97	P7081	CSZ	LBF	1	4	F								SHAFT FRAG-2 PIECES-1564	3
DBF97	P7083	BOS	MTT	1	78	R		12		DG		SD-24		PROX END AND SHAFT-2 PIECES-1710	4
DBF97	P7088	SSZ	LBF	1	0	F				DG				SHAFT FRAG-CHEWED-1565	3



site	Cont.	species	bone	No.	Wt g	side	fusion	zone	butchery	gnawing	toothwear	measurement	Path.	comment	preservation
DBF97	P7091	CSZ	LBF	1	8	F								SHAFT FRAG-1578	4
DBF97	P7092	CSZ	LBF	1	1	F			B					CALCINED SHAFT FRAG-1578	4
DBF97	P7092	UNI	SKL	1	1	F								INDET-2 PIECES-1578	4
DBF97	P7093	OVCA	TIB	1	5	F								DISTAL SHAFT FRAG-1578	4
DBF97	P7094	SSZ	RIB	1	1	F								SHAFT FRAG- 2 PIECES-1578	4
DBF97	P7095	OVCA	MAN	1	10	R		23			gh12			ANT HORI RAMUS-1578	4



27/04/00

The Environmental Archaeology Consultancy

## Market Deeping Bypass

DBF97

Archive Catalogue of Animal Bone  
from the Soil samples



## Market Deeping Bypass – DBF97 Archive Catalogue of Animal Bone from the Soil Samples

Cont	sample	weight	burnt	species	comment	Period
10	4	11		ovca,rod,frog,frto,indet		Sax
10	7	1		indet	?human	Sax
10	12	5 y		ovca,vole,mus,bird,frto,indet	small bird coracoid	Sax
1002	126	4		ovca,indet		EIA
1003	100	6		ovca,arv,frto,indet		Sax
1008	98	0.5		indet		EIA
1008	127	1 y		indet		EIA
1008	246	0.5		indet		EIA
1010	99	18 y		bos,ovca,indet	snail opercula	EIA
1010	124	164 y		bos,sus,ovca,indet		EIA
1017	102	52 y		ovca,can,unib,orc?,rod,indet	?rabbit mtc	M-LIA
1020	103	113 y		unib,ovca,frto,snake,mus,eel,rod,indet		EIA
1022	106	5		sus,indet		EIA
1027	105	29 y		bos,sus,ovca,indet	juv pig	Sax
1052	104	11 y		ovca,frto,indet	freshwater snail, Cochlicopa	Sax
1061	107	6		frog,indet		Sax
1062	108	1		indet		MED
1120	138	15		bos,ovca,rod,mouse,indet	juv cattle	IA?
1120	139	0.5		indet		IA?
1120	140	0		indet		IA?
1120	143	3		ovca,indet		IA?
1120	144	8 y		ovca,indet		IA?
1120	145	0.5		indet		IA?
1120	149	1 y		indet		IA?
1120	155	6 y		indet		IA?
1120	166	1 y		indet		IA?
1120	167	0		indet		IA?
1120	171	17 y		ovca,indet		IA?
1120	188	4 y		indet		IA?
1120	190	1		indet		IA?
1120	191	0		indet		IA?
1120	192	6		sus,ovca,indet		IA?
1120	193	1		indet		IA?
1120	196	7 y		ovca,indet		IA?
1120	200	1 y		rod,indet		IA?
1120	201	3		agr,indet		IA?
1120	202	2		ovca		IA?
1120	203	3 y		ovca,indet		IA?
1120	206	1		sus		IA?
1120	209	2		mouse,indet		IA?
1120	210	2 y		rod,indet		IA?
1120	211	1		indet		IA?
1120	212	1		indet		IA?
1120	213	0		indet		IA?
1120	215	6		sus,rod,indet		IA?
1120	216	3 y		ovca,indet		IA?



Cont.	sample	weight	burnt	species	comment	Period
1120	218	3	y	vole,mouse,indet		IA?
1120	219	3	y	indet		IA?
1120	220	2		rod,indet		IA?
1120	222	1		vole,indet		IA?
1120	224	1		ovca,indet		IA?
1120	228	2		indet		IA?
1120	230	0.5		bos,indet		IA?
1120	235	0		indet		IA?
1120	237	0.5		indet		IA?
1120	238	9	y	ovca,sus,bird,indet	small bird cor	IA?
1120	239	0		indet		IA?
1120	240	4		sus,rod,indet		IA?
1122	110	11	y	har,fish,indet	fish ray-indet	ALL
1126	111	54		bos,sus,frog,frto,indet		MIA
1126	162	1		ovca,indet		MIA
1127	112	5	y	Frog, common toad,frto,ovca,sus,indet	juv pig	MIA
1139	118	0		rod,indet		E-MIA
1141	120	21	y	sus,mus,snake,ovca,indet		E-MIA
1176	115	6		ssz	unfused centrum	E-MIA
12	5	8	y	sus,ovca,indet		Rom
1203	170	3		ovca,indet		IA?
1207	148	58		bos,ovca,agr,frto,sus,indet		Sax
1209	116	4		indet		EIA
1222	119	24	y	ovca,sus,arv,mus,indet		ALL
1234	125	2		indet		EIA
1234	128	0.5	y	indet		EIA
1235	129	0.5		indet		EIA
1237	117	1		indet		E-MIA
1253	152	2		ovca,indet		IA(PRE
1263	146	19		bos,ovca,indet		IA?
1263	147	1	y	indet		IA?
1263	151	4	y	ovca,indet	juv	IA?
1263	154	2	y	indet		IA?
1263	156	0.5	y	frto,indet		IA?
1263	157	7	y	indet		IA?
1263	158	6	y	frto,arv,sus,indet		IA?
1263	159	2		indet		IA?
1263	160	1		indet		IA?
1263	161	1		indet		IA?
1263	163	16	y	Frog,frto,ovca,indet		IA?
1263	164	4	y	indet		IA?
1263	169	4		bos,indet		IA?
1263	172	22	y	bos,ovca,indet		IA?
1263	176	0		indet		IA?
1263	179	12		indet		IA?
1263	180	0		indet		IA?
1263	181	13	y	agr,ovca,mus,frog,indet		IA?
1263	182	5		ovca,indet		IA?
1263	183	8	y	ovca,indet		IA?
1263	184	22	y	ovca,rod,agr,vole,indet		IA?



Cont	sample	weight	burnt	species	comment	Period
1312	199	50	y	bos,sus,ovca,indet		IA?
1315	130	32		bos,indet	large frag fem	E-MIA
1316	136	0		indet		E-MIA
1335	132	98		sus,indet	vert frags-poss part fragmented skel spec not known	Sax
1346	133	3		indet		Rom
1359	135	12	y	ovca,cf grass snake,rod,indet	3 snake vert	E-MIA
1361	198	2	y	vole,indet		EIA
1362	199	37	y	ovca,sus,rod,mouse,indet	neonate pig	EIA
14	6	29	y	ovca,frto,frog,common frog, man,rod,mus,		Rom
1405	136	10		sus,indet		EIA
1407	185	4	y	indet		IA?
1417	174	5	y	ovca,common frog,frto,rod,indet		Sax
1418	175	9	y	sus,eel,arv,indet	eel vert burnt	Sax
1420	178	19	y	sus,ovca,indet		MIA
1421	177	121	y	bos,ovca,sus,arv,frto,indet		ALL
1445	186	1		indet		IA
1450	197	25	y	sus,ovca,indet		ROM?
1508	225	3		sus,indet		E-MIA
1510	232	29	y	sus,ovca,indet		Sax
1510	233	2		bos,indet		Sax
1510	234	6		bird,indet	?gssz cmc	Sax
1539	241	1		rod,indet		Rom
1560	242	5	y	ovca,indet		E-MIA
18	9	46	y	man,indet	probably mainly human	Rom
183	61	12	y	ovca,sus,common toad,indet	dec inc sheep	E-MIA
2	1	16		man,mouse,indet		Sax
21	20	12		man	skull frgas	Sax
22	7	7	y	sus,avr,rod,common toad,indet		Sax
22	8	10		ovca,arv,frto,indet	?poss baby fem	Sax
22	16	12		vole,indet		Sax
26	10	7	y	common frog, frog,frto,indet		Rom
27	87	2		indet		Rom
31	20	13		man,mouse	juv-teeth-prob grave	Sax
33	17	40		man,frto,indet		IA
4	1	24	y	indet	mainly burnt	Rom
5	2	37		ovca,man,rod,indet	some indet probably human	Rom
536	63	43	y	bos,ovca,sus,frog,frto,rod,arv,aran,indet		Rom
546	19	66	y	sus,bos,ovca,unib,frog,frto,agr,indet		Sax
546	79	3		chkz,indet		Sax
690	21	3	y	mus,indet		?
692	23	6		sus,vole	sus dlpm4	ALL
692	25	35	y	man,ovca,sus,bird,arv,indet	small bird scap	ALL
694	22	50	y	ovca,sus,rod,arv?,frto,indet		ALL
695	24	0		frog,ndet		E-MIA
7	11	12		fel,rod,indet		Sax
701	27	14	y	bos,sus,bird,mouse,indet	oyster frag,small bird	ALL
703	26	29	y	sus,ovca,vole,rod,arv,ovca,bird,arg,frog,frto, bos,indet	fish vert (poss trout?)	Sax?
703	28	78	y	bos,sus,ovca,bird,frto,indet	bird 3rd phal	Sax?
703	29	40	y	bos,ovca,can,sus,agr,frog,common frog,cf smooth newt,indet		Sax?



Cont.	sample	weight	burnt	species	comment	Period
703	32	24	y	ovca,avr,frog,common		Sax?
703	33	30	y	ovca,sus,toad, frog,frto,mouse,indet		Sax?
703	34	19	y	sus,ovca,arv,frog,frto,agr,rod,fish,indet	?cyprinid?	Sax?
703	35	20	y	frog,common frog,frto,arv,ovca,bird,indet	small bird uln	Sax?
705	36	1		indet		E-MIA
707	38	2	y	indet		E-MIA
709	37	1		ovca,arv,indet		E-MIA
713	30	35		ovca,sus,bos,mus,must,indet	large polecat?	ALL
715	40	0		indet		LNEBA
718	46	34	y	ovca,frto,rod,indet		M-LIA
720	47	55	y	bos,sus,ovca,rod,indet	juv sheep	M-LIA
723	59	2		indet		EIA?
724	39	74		frog,common frog,frto,ovca,agr,aran,bos,rod,indet	oyster frag	Rom
725	42	3		sus,frog,frto,rod,indet		Rom
734	43	10	y	can,ovca,vole,indet	juv sheep	Rom
739	44	34		bos,indet		EIA
744	49	10	y	sus,ovca,indet		Rom
748	50	7	y	bos,sus,indet		IA
749	52	0		indet		LNEBA
751	51	17		sus,ovca,indet		Sax?
754	53	1		indet		IA
756	54	1	y	indet		IA
765	55	2		mus,indet		IA
767	56	1		rod,indet		IA
768	58	29	y	ovca,sus,common frog,indet		M-LIA
770	57	2		indet		Rom?
782	62	16		ovca,indet	sheep-imm	ALL
782	64	2	y	indet		ALL
789	71	18	y	bos,sus,ovca,indet	juv cattle,juv sheep	E-MIA
8	3	5		snake,avr,mus,frto,rod,indet		Sax
80	18	13		indet		Sax
801	72	2	y	bos,agr,indet		E-MIA
826	68	3	y	ovca,common toad,frog,frto,rod,indet		Rom
856	69	48		bos,sus,frog,frto,ovca,indet		EIA?
867	74	29		ovca,sus,toad,frto,can,indet		IA
870	178	0		indet		E-MIA
882	75	52	y	ovca,bos,bird,indet	bird feet and ses	Rom?
895	76	9	y	cf grass snake,frog,frto,vole,indet		Rom
897	77	26		ovca,sus,indet		E-MIA
897	78	9	y	rod,frto,mus,indet	at least 3 mice	E-MIA
9	13	2		baby?,indet		Sax
903	81	54	y	bos,sus,ovca,indet		Sax?
904	80	28	y	ovca,bos,rod,indet		M-LIA
904	90	2	y	ovca,indet		M-LIA
906	79	1		indet		E-MIA
908	82	3		indet		E-MIA
914	92	63	y	bos,ovca,sus,mus,rod,indet		Sax
917	70	4		frog,frto,indet		IA
931	84	10	y	bird,indet	small bird cor,tib	IA
941	83	3	y	rod,eel,bird,indet	bird cmc	IA



Cont.	sample	weight	burnt	species	comment	Period
947	85	2		ovca		EIA
949	245	1		ovca,indet	juv sheep	EIA
950	86	1	y	indet		EIA
950	123	175	y	bos,ovca,sus,indet	juv sheep	EIA
967	89	10	y	ovca,rod,indet		E-MIA?
969	87	15	y	ovca,indet		Sax?
969	88	17	y	ovca,indet	sheep-juv	Sax?
985	91	7		ovca,sus,indet		E-MIA?
988	93	27	y	mole,mouse,vole,indet		Sax
990	94	4	y	indet		Nat
991	95	10	y	ovca,frog,frto,indet		Sax
993	101	37	y	bos,sus,rod,frog,unib, indet	neonate/piglet,med bird fem frag	Sax
994	96	0		indet		M-LIA
995	97	29	y	ovca,sus,rod,frto,vole,fish,bird,indet	small bird mandible,indet med fish frag	EIA
997	91	16	y	ovca,rod,indet		E-MIA



Appendix 15

Report on the environmental archaeology on the  
Market Deeping bypass report by Val Fryer

by

Val Fryer



**CHARRED AND WATERLOGGED PLANT MACROFOSSILS AND OTHER  
REMAINS FROM THE MARKET DEEPING BYPASS, LINCOLNSHIRE ( SITES  
DBF 97, DBEA 97, DBEB 97, DBB 97 AND DBD 97).**

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12/98

### **Introduction**

Excavations on several small sites on the route of the Market Deeping By-Pass, carried out by Archaeological Project Services, uncovered a diverse range of features, mostly of later prehistoric to Roman date. Fox Covert Farm (site DBF 97) produced the largest collection of samples, from contexts including ditches, pits, post-holes and layers of Iron Age date, graves of possible Roman to Saxon date and isolated later features.

### **Methods**

The samples were processed in a bulk sieving/flotation tank on site, collecting the flots in a 500 micron mesh sieve. An initial rapid scan of the dried flots from Fox Covert Farm (DBF 97) showed that most samples were largely composed of silt and modern intrusive roots and seeds, but that twenty seven contained at least some charred cereal remains and/or seeds. In view of the paucity of archaeobotanical reports from rural sites of Iron Age-Roman date in Lincolnshire, it was decided to analyse these samples despite the very low density of material. A rapid scan of samples from a further four small sites produced an additional five samples thought to be worth analysing.

All flots were sorted under a binocular microscope at low power (x10). Plant macrofossils and other remains extracted are recorded on Tables 1 - 5. Counts of cereal grains refer to whole grains or embryo ends. Tabulated material was preserved by charring unless otherwise stated. Identifications of the macrofossils were made by comparison with modern reference specimens. Nomenclature follows Stace (1991). Modern contaminants including fibrous roots, seeds/fruits, chaff and arthropods were present in all samples.

In view of the very low density of charred plant macrofossils in flots from the site, it was suspected during assessment that retrieval by flotation might have been poor, due to impregnation with mineral compounds and/or silt coating. This could have increased the density of the material and prevented it from floating off. Charred material sorted from the non-floating residues of these samples was therefore examined. Some cereal grains were noted in the residues, but it appeared that the densities of charred macrofossils in the fills were genuinely low.

### **Cereals**

Charred grains and/or chaff were present in all samples analysed from Fox Covert Farm and from sample 8, site DBD 97. Preservation was poor to moderate; both grains and chaff were often fragmentary and abraded. Specimens from samples 46, 63, 107 and 232 had a heavy coating of fine silt.



Grains of oats (*Avena* sp.), barley (*Hordeum* sp.), including an asymmetrical lateral grain of six-row barley (*H. vulgare*), and wheat (*Triticum* sp.) were recovered. Glume bases of both emmer (*T. dicoccum*), narrow and with a prominent primary keel, and spelt (*T. spelta*), broader and with strong venation, were also noted. The main cereal represented was barley, with a total of 52 grains, compared to 29 grains of wheat and 2 of oats. Obviously, however, these counts are far too small to provide any reliable indication of the relative importance of these crops in the arable economy.

### Wild flora

Charred seeds/fruits of weed species were noted at a low to moderate density in thirteen samples and included *Atriplex* sp. (orache), *Bromus* sp. (brome), *Chenopodium album* (fat-hen), indeterminate grasses, *Medicago/Trifolium/Lotus* sp. (medick/clover/trefoil) and *Rumex* sp. (dock).

Samples 111 and 8 (the latter from site DBD97) contained waterlogged assemblages with a wider range of weed taxa. One seed of *Papaver somniferum* (opium poppy) was noted in the Iron Age context 1126 (sample 111). This need not represent more than a plant growing as a weed, though intentional cultivation is possible. Seeds/fruits of wetland and aquatic plants were also present, and were common in DBD97, sample 8. Macrofossils of tree or scrub species were extremely rare but included three fruitstones of *Rubus* sect. *Glandulosus* (bramble) in sample 111, and single seeds of possible *Malus/Pyrus* (apple/pear) type in sample 1, site DBED 97 and *Sambucus nigra* (elderberry) in sample 8 site DBD 97.

### Other macrofossils

Charcoal fragments were present at varying densities in all but two samples. Other plant macrofossils included fragments of charred and waterlogged root, rhizome or stem and indeterminate fruitstone and inflorescence fragments, mosses, seeds, thorns and twigs. The fragments of black porous 'cokey' material, black tarry material and siliceous globules are probably residues from the combustion of organic materials at very high temperatures. Other macrofossils included mineral replaced and waterlogged arthropods, small mammal or amphibian bones, large mammal bone fragments, burnt or fired clay and vitrified material, the latter two possibly the residues from small localised industrial processes.

Mollusc shells, including burnt specimens, were only noted in two samples; single burnt shells of *Ena* sp. and *Vertigo* sp. were present in sample 46 (fill of pit 717); and shells of *Lymnaea* sp., *Trichia hispida* group and *Valvata cristata* in sample 111 (from the secondary fill of ditch 1125).

### Sample composition

Numbers of charred plant macrofossils in the flots were generally very low, and the rarity of charred material in the residues demonstrated that this was not a consequence of poor retrieval. This implies either that there was no large-scale cereal processing on these sites at all, or that the features sampled were peripheral to any such activity.

Only one sample (46) gave a reasonably large count, which might potentially be interpretable. A total of 40 grains, 3 chaff elements and 79 weed seeds were present, giving a grain to chaff



ratio of 13:1 and a weed to grain ratio of 1.9:1. This sample could reflect the accidental combustion of a semi-cleaned crop during drying, or the deliberate burning of cereal processing waste in conditions precluding the survival of delicate chaff elements, for example in a well aerated fire.

The macrofossil assemblages from waterlogged contexts were composed mainly of weed, grassland wetland and aquatic species, with very few remains of trees and shrubs. Locally open vegetation of poorly-drained weedy grassland, with some standing water in deep features, appears to be represented.

### Reference

Stace, C., 1991      *A New Flora of the British Isles*. Cambridge University Press.

### Key to Tables

x    = 0-10 specimens  
xx   = 10-100 specimens  
xxx = 100+ specimens  
fg = fragment  
w = waterlogged  
tf = testa fragment  
coty = cotyledon



D'A  
65<sup>7</sup>

21      44<sup>1/2</sup>      64      64      64

Sample No.	67	78	83	97	102	103
Context No.	824	897	941	995	1017	1020
<b>Cereals</b>						
<i>Avena</i> sp. (grains)				1cf		1cf
Cereal indet. (grains)	1	3	2	3	2	7
<i>Hordeum</i> sp. (grains)	2	1		6	3	4
<i>H. vulgare</i> L. (grains)				1cf		
<i>Triticum</i> sp. (grains)	1cf	1				1
(glume bases)					1	
<b>Herbs</b>						
<i>Atriplex</i> sp.				1		1cf
Chenopodiaceae indet.				1		1
<i>Malva</i> sp.				1cf		
<i>Medicago/Trifolium/Lotus</i> sp.				1cf		
Small Poaceae indet.		1				
<i>Rumex</i> sp.				1	1	
<i>Vicia/Lathyrus</i> sp.					1cf	
<b>Wetland plants</b>						
<i>Carex</i> sp.				1	1cf	1cf
<i>Eleocharis</i> sp.				1		
<b>Other plant macrofossils</b>						
Charcoal <2mm	xx	xxx	x	xx	xxx	xx
Charcoal >2mm		x			x	
Charred root/rhizome/stem						
Indet. seeds				2		
<b>Other</b>						
Black porous 'cokey' material				x	x	
Mineral replaced arthropods	x					
Siliceous globules						
Small mammal/amphibian bone						x
Vitrified material				xx	x	x
<b>Sample volume (litres)</b>						
Volume of flot (litres)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
% flot sorted	100%	100%	100%	100%	100%	100%

Table 1. Charred plant macrofossils and other remains from Early Iron Age features, site DBF 97, Lincolnshire.



Sample No.	22	40	46	47	53	58	63	69	111	238
Context No.	694	115	718	720	754	768	536	856	1126	1120
<b>Cereals</b>										
Cereal indet. (grains)			12	2	1	2		2		
<i>Hordeum</i> sp. (grains)		1cf	16		1cf	3+1cf		1		
(rachis nodes)							1cf			
<i>Triticum</i> sp. (grains)	1		12	1			2		3	1
(glume bases)			1							
(spikelet bases)			1						1	
<i>T. spelta</i> L.(glume bases)			1							
<b>Herbs</b>										
<i>Aethusa cynapium</i> L.									2cffgw	
<i>Anagallis arvensis</i> L.									1w	
<i>Anthemis cotula</i> L.			1						2w	
Apiaceae indet.									3cfw	
<i>Arctium lappa</i> L.									1w	
Asteraceae indet.									45w	
<i>Atriplex</i> sp.			3							
<i>Bromus</i> sp.			6+4fg							
<i>Carduus</i> sp.									41w	
<i>Chenopodium album</i> L.			2						9w	1
<i>C. ficifolium</i> Smith			1cf						1w	
<i>C. polyspermum</i> L.									2cfw	
Chenopodiaceae indet.			7						6w	1
<i>Cirsium</i> sp.									2w	
<i>Euphrasia/Odontites</i> sp.			1							
<i>Fallopia convolvulus</i> (L.)A.Love									1+3fw	
<i>Galeopsis tetrahit</i> L.									2+1fgw	
<i>Heracleum sphondylium</i> L.									1fgw	
<i>Hyoscyamus niger</i> L.									26	
<i>Lamium album</i> L.									16cfw	
<i>Lapsana communis</i> L.									5w	
<i>Malva</i> sp.			1cffg							
<i>Medicago/Trifolium/Lotus</i> sp.			6							1cf
<i>Papaver somniferum</i> L.									1w	
<i>Persicaria maculosa/lapathifolia</i>									18w	
Small Poaceae indet.			7							
Large Poaceae indet.			5+2fg							
<i>Polygonum aviculare</i> L.									15w	
Polygonaceae indet.									5w	
<i>Potentilla</i> sp.									1w	
<i>Prunella vulgaris</i> L.									1cfw	
<i>Ranunculus</i> sp.									3w	
<i>R. acris/repens/bulbosus</i>									2w	
<i>R. parviflorus</i> L.									1w	
<i>Rumex</i> sp.			6						8w	
<i>Sonchus asper</i> (L.) Hill									5w	
<i>S. oleraceus</i> L.									19+6fgw	
<i>Stellaria media</i> (L.)Villars									21w	
<i>Thlaspi arvense</i> L.									5w	
<i>Torilis japonica</i> (Houtt)DC									2cffgw	
<i>Tripleurospermum inodorum</i> (L.)Sultz-Bip			6							
<i>Urtica dioica</i> L.									476w	
<i>U. urens</i> L.									4w	

Table 2. Plant macrofossils and other remains from Middle to Late Iron Age features, site DBF 97, Lincolnshire.



<i>Valerianella dentata</i> (L.)Pollich							1				
<i>Vicia/Lathyrus</i> sp.			6+1coty								
Wetland/aquatic plants											
<i>Apium graveolens</i> L.										8w	
<i>Carex</i> sp.			2							1w	
<i>Eleocharis</i> sp.			1cf							2w	
<i>Lycopus europæus</i> L.										1w	
<i>Mentha</i> sp.										1w	
<i>Polygonum minor</i> (Hudson)Opiz.										3w	
<i>Ranunculus</i> ssp. <i>Batrachium</i> (D.C.)A.Gray										14w	
Trees/shrubs											
<i>Rubus</i> sect. <i>Glandulosus</i> Wimmer & Grab.										2+1fgw	
Other plant macrofossils											
Charcoal <2mm	xx	x	xx	x	x		x	x	x	xx	
Charred root/rhizome/stem			x	x							
Indet. fruit stone frags.										1w	
Indet. moss										xw	
Indet. seeds			17	1			2	1		1w	
Indet. thorns										2w	
Waterlogged root/rhizome/stem										xxx	
Molluscs											
<i>Ena</i> sp.			1b								
<i>Lymnaea</i> sp.										1cf	
<i>Trichia hispida</i> group										1	
<i>Valvata cristata</i>										1	
<i>Vertigo</i> sp.			1b								
Other											
Black porous 'cokey' material			x		x						
Bone	x										
Burnt/fired clay			x								
Mineral replaced arthropods							x				
Small mammal/amphibian bone							x	x			
Siliceous globules			x	x			x	x			x
Soil concretions	xxx										
Vitrified material			x				x	x			x
Waterlogged arthropods										xxx	
Sample volume (litres)											
Volume of flot (litres)	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1
% flot sorted	100%	100%	100%	100%	100%	100%	100%	100%	100%	50%	100%

Table 2. Plant macrofossils and other remains from Middle to Late Iron Age features, site DBF 97, Lincolnshire.



Sample No.	1	5	6	16	232
Context No.	OO2	O12	O14	O22	1510
<b>Cereals</b>					
Cereal indet. (grains)	3			1	1
<i>Hordeum</i> sp. (grains)				1cf	2
<i>Triticum</i> sp. (grains)		1			
(glume bases)			1		
<i>T. dicoccum</i> Schubl. (glume bases)				1cf	
<b>Herbs</b>					
Asteraceae indet.				1	
<i>Bromus</i> sp.	1cf				
Small Poaceae indet.	1cf				
Large Poaceae indet.		1		1	
<i>Rumex</i> sp.		1		1	
<b>Wetland plants</b>					
<i>Carex</i> sp.			1cf		
<b>Other plant macrofossils</b>					
Charcoal <2mm	xx	xx	x	xx	xx
Charred root/rhizome/stem				x	
Indet. seeds			1		
<b>Other</b>					
Black tarry material			x		x xb
Bone					
Siliceous globules		x		x	x
Soil concretions			xxx	xxx	
Small mammal/amphibian bone			x		
Vitrified material/slag		x			
<b>Sample volume (litres)</b>					
Volume of flot (litres)	<0.1	<0.1	<0.1	<0.1	<0.1
% flot sorted	100%	100%	100%	100%	100%

Table 3. Charred plant macrofossils and other remains from the Roman and later grave fills, site DBF 97, Lincolnshire.



Sample No.	32	33	88	92	107	108	199
Context No.	703	703	969	914	1061	1062	1362
<b>Cereals</b>							
Cereal indet. (grains)		1	1	2			
<i>Hordeum</i> sp. (grains)	1cf		3cf	1cf	1	1	1+1cf
<i>Triticum</i> sp. (grains)	2	1	2				
<b>Herbs</b>							
<i>Atriplex</i> sp.			5		2		
Chenopodiaceae indet.	1cf		2		1		
<i>Fallopia convolvulus</i> (L.)A.Love					2cfff		
<i>Galium aparine</i> L.			1		2		
<i>Medicago/Trifolium/Lotus</i> sp.			1				
Small Poaceae indet.			3		2		
Large Poaceae indet.			1		1		
<i>Rumex</i> sp.			1		1		
<i>Silene</i> sp.					1		
<i>Stellaria media</i> (L.)Villars					2		
<i>Vicia/Lathyrus</i> sp.					1cfcoty		
<b>Wetland plants</b>							
<i>Carex</i> sp.	1cf	1					
<i>Eleocharis</i> sp.		1					
<b>Other plant macrofossils</b>							
Charcoal <2mm	x	xx	xx	x	x		xx
Charred root/rhizome/stem				x			
Indet. seeds			1		2		
<b>Other</b>							
Black tarry material	x					x	x
Siliceous globules		x		x	x		
Vitrified material			xx	x			x
Sample volume (litres)							
Volume of flot (litres)	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1
% flot sorted	100%	100%	100%	100%	100%	100%	100%

Table 4. Charred plant macrofossils from other Roman and later features, site DBF 97, Lincolnshire.



Site code	DBEA 97	DBEB 97	DBB 97	DBD 97	DBD 97
Sample No.	1	1	12	2	8
Context No.	004	004	116	009	105
Date	LBA	Mid NEO	?EBA	LBA	R2-3
<b>Cereals</b>					
Cereal indet. (grains)					1
<b>Herbs</b>					
<i>Aethusa cynapium</i> L.					14w
<i>Aphanes arvensis</i> L.					1w
<i>Arctium lappa</i> L.					1cffgw
<i>Atriplex</i> sp.					45w
<i>Carduus</i> sp.					2cfw
<i>Centaurea</i> sp.					1w
<i>Chenopodium album</i> L.					7w
<i>C. polyspermum</i> L.					2cfw
Chenopodiaceae indet.					42w
<i>Cirsium</i> sp.					67w
<i>Fallopia convolvulus</i> (L.)A.Love					6cffgw
<i>Fumaria officinalis</i> L.					1w
<i>Galeopsis tetrahit</i> L.					3+6fgw
<i>Heracleum sphondylium</i> L.					1fgw
<i>Hyoscyamus niger</i> L.					1+1fgw
<i>Lamium</i> sp.					4w
<i>L. album</i> L.					12w
<i>Leontodon</i> sp.					1w
Small Poaceae indet.					1w
Large Poaceae indet.					1w+2
<i>Polygonum aviculare</i> L.					11+7fgw
<i>Prunella vulgaris</i> L.					4w
<i>Ranunculus acris/repens/bulbosus</i>					25w
<i>Rumex</i> sp.					16+4fgw
<i>Scandix pecten-veneris</i> L.					1+1cfw
<i>Sonchus asper</i> (L.)Hill					6w
<i>Stellaria</i> sp.					1w
<i>S. media</i> (L.)Villars			1		1w
<i>Taraxacum</i> sp.					1w
<i>Thlaspi arvense</i> L.					3+1fgw
<i>Urtica dioica</i> L.					15w
<i>Viola</i> sp.					3w
<b>Wetland and aquatic plants</b>					
<i>Apium graveolens</i> L.					63w
<i>Carex</i> sp.				1	6w
<i>Lemna</i> sp.					16w
<i>Ranunculus</i> ssp. <i>Batrachium</i> (D.C.)A.Gray					10w
<i>Rorippa nasturtium-aquaticum</i> (L.)Hayek					1w
<b>Trees/shrubs</b>					
<i>Malus/Pyrus</i> sp.		1cf			
<i>Sambucus nigra</i> L.					1w
<b>Other plant macrofossils</b>					
Charcoal <2mm	xx	x	xx	x	x
Charred root/rhizome/stem		x		x	
Characeae indet.					1w
Indet. fruit stone frags.		1			
Indet. inflorescence frags.		xcf			
Indet. moss					x
Indet. seeds	1	2	2		12w
Indet. twigs					xx
Waterlogged root/rhizome/stem					xxx
<b>Other</b>					
Black porous 'cokey' material		x			
Mineralised concretions			xxcf	xxcf	
Vitrified material			x		
Waterlogged arthropods					xx
Sample Volume (litres)					1
Volume of flot (litres)	<0.1	<0.1	<0.1	<0.1	
% flot sorted	100%	100%	100%	100%	<10%

Table 5. Plant macrofossils and other remains from prehistoric and later contexts, the small sites, Deeping Bypass, Lincolnshire.



Appendix 16

Assessment of the palynology on the  
Market Deeping bypass by Patricia Wiltshire

by

Patricia E.J. Wiltshire



## **Market Deeping Bypass**

**Assessment of potential of palaeochannel and ditch sediments,  
and a palaeosol for palynological analysis**

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## Introduction

A total of six 50 cm monoliths were obtained from sections for palynological analysis. Two monoliths of putative pre-Late Bronze Age date were obtained from a palaeochannel (DBEA). A monolith was obtained from an Iron Age ditch and a palaeosol, while two monoliths were taken from a Roman Ditch. The aim of the assessment was to assess the palynomorph abundance and preservation with a view to further analysis for each period.

## Methods

Standard methods were used for concentration of palynomorphs from the deposits. All palynomorphs encountered in 15 standard traverses of prepared slides were identified. No attempt was made to count palynomorphs and indication of abundance is given by the number of '+' signs with '+' representing presence and '+++' representing relative high abundance for the specific deposit.

## Results

The results are shown in the accompanying table. Plant palynomorphs were very sparse in the Iron Age and Roman deposits, so much so that no further analysis would be warranted. However, the basal monolith of putative pre-Late Bronze Age date was relatively polleniferous and could yield information on the local and wider environment if further analysis were agreed.

### DBEA (pre-Late Bronze Age)

Very few pollen grains or spores were found in the upper 50 cm of the sequence (see attached table) but the lower sediments were polleniferous. The assemblage suggests mixed woodland with ferns, dominated by *Alnus* (alder), *Quercus*, and *Corylus* (hazel). However, either the woodland canopy had been opened considerably, or the area surrounding the palaeochannel had been cleared of dense growths of trees, and the absence of *Tilia* (lime) may have significance. A relatively large number of open habitat herbs were recorded and *Calluna* (heather) was also present in the catchment. This suggests that open, well-illuminated areas were available. There was sufficient light around the channel to allow *Sparganium*-type (e.g. bur-reed) and *Typha latifolia* (greater reedmace) to grow, with *Filipendula* (meadowsweet) and Cyperaceae (sedges) probably fringing the channel. These plants indicate wet conditions and the presence of standing water. The abundance of iron pyrite framboids provides further evidence of stagnant water at the site and it is likely that plant litter was decaying at the water/sediment interface (see Wiltshire *et al.*, 1994). The presence of people is also indicated by the high frequency of microscopic charcoal.

The upper sediments contained very low numbers of palynomorphs although *Alnus*, *Quercus*, and some open habitat herbs were present. Aquatics and plants of wet soil were absent and this, along with an absence of iron pyrite and very sparse, corroded pollen and plant spores, suggests that the channel had become quite dry. The drying may have been seasonal but was probably sufficient to raise redox potential in the sediments so that iron pyrite failed to form and plant palynomorphs decomposed.



DBF/97/231 (Iron Age)

Microscopic charcoal was abundance but pollen and spores were exceedingly sparse. Only pollen of open habitat herbs was found and although the data are too insubstantial for firm conclusions to drawn, it would seem that the area was dominated by open, weedy grassland.

DBF/97/244 (Iron Age)

The local vegetation was probably very similar to that recorded by sample 231 although *Betula* (birch) was present in the catchment. Cereal-type pollen was found at 20 cm and this might indicate that crops were being grown or processed locally. Palynomorphs were too sparse for further analysis.

DBD/97/1-9/2-9 (Roman)

Palynomorphs were sparse and degraded but *Alnus*, *Betula*, and *Quercus* were recorded. However, the most abundant pollen was that of herbs of weedy grassland and broken soils. Cereal-type pollen was also found in several levels. The ditch seems to have contained water early in its life and *Lemna* (duckweed) was found in the basal deposits. One interesting find was that of *Cannabis*-type (hemp or hop). Hop is often found in fen woodland today, but with the lack of evidence for the proximity of wet woodland, it is possible that the pollen was derived from a hemp crop. It is even possible that the ditch had been used for hemp retting but the poor state of palynomorphs precludes further investigation.

Conclusion

Both the Iron Age and Roman deposits contained insufficient palynomorphs to warrant further detailed analysis of the sediments. However, the sparse data obtained in this assessment would suggest that the area was dominated by weedy grassland during these periods. Cereals and hemp may have been grown in Roman times.

Only the basal deposits of putative pre-Late Bronze Age date could yield meaningful data. The great difference between the upper and lower sediments may have been due to a drying out of the upper layers so that palynomorphs became decomposed. However, the difference is so marked that there may be an hiatus in the sequence. The pollen spectra of the lower deposits indicate that the environs of the channel were dominated by mixed woodland with *Alnus*, *Corylus*, and *Quercus* the most abundant trees. However, open areas were available, allowing weedy grassland and even heathers to establish. The absence of *Tilia* from the sequence might suggest that the deposits accumulated in the *late* rather than *earlier* Bronze Age since this tree appears to have dominated much of south east England and the east Midlands during the earlier Bronze Age.

o cereal-type pollen was found but microscopic charcoal was present in every sample and probably attests to the presence of people in the locality. The channel itself contained stagnant water and supported emergent plants such as sedges, reedmace and bur-reed.



#### Further work

Palynological analysis is only feasible in the basal deposits of DBEA (Tin 2-9). Details of the Bronze Age landscape around the channel and of the opening up of the woodland could be achieved by higher resolution sampling. Estimates of organic content and palynomorph concentrations, coupled with radiocarbon dating, would give information on pollen influx and colluviation as well as rates of sedimentation within the channel. No evidence of farming was found in the assessment but this may be because of the cursory nature of the evaluation. Adequate dating of the sequence would provide valuable information on the nature of the Bronze Age landscape in Lincolnshire, and would provide a useful comparison with the pattern of forest cover known to have prevailed in East Anglia and other parts of eastern England.

#### Brief method statement

Pollen counting should be carried out on Monolith DBEA (2-9) with sampling at 2 cm intervals. Measurement of organic content should be carried out on each pollen sample, and sediment from key horizons should be subjected to radiocarbon estimation. As many radiocarbon dates as can be afforded should be obtained so that the higher resolution pollen counting is matched by a greater degree of reliability in the dating of the sequence.

#### Estimate of cost

1. Preparation of 25 samples (with addition of exotics)
2. Loss-on-ignition of 25 samples
3. Pollen counting (minimum 400 grains)
4. Data processing and pollen diagram construction
5. Submission of detailed report

Palynological work (excluding radiocarbon dates) Total cost = £2,400

The price of a radiocarbon estimate depends on the laboratory where the work is done and whether AMS or standard estimates are obtained. AMS range between £250- £350 each, while standard dates are about £156 each. There is usually a longer wait (at least 5 months) for standard dates and larger amounts of carbon are necessary.







Appendix 17

Identification of charcoal  
from site 4 on the Market Deeping bypass

by

Rowena Gale



## MARKET DEEPING BYPASS, DBF 97: CHARCOAL IDENTIFICATION

Rowena Gale, Folly Cottage, Chute Cadley, Andover, Hants SP11 9EB

16<sup>th</sup> September 1999

Fifteen samples of charcoal from an Iron Age site were examined and identified to genus level. The charcoal represented the following groups:

- Group 25, irregular hollow
- Group 64, from pit/ ditch terminal
- Group 74, from hearth, early-mid Iron Age
- Group 75, shallow pit in an Iron Age roundhouse

Suitable charcoal for radiocarbon dating was selected from the hearth material in Group 74 (indicated with an asterisk\* on Table 1).

### Materials and methods

The charcoal was mostly fairly abundant, and although generally firm in texture, intrusive deposits had permeated most fragments leaving sediments overlying the cell walls and obscuring diagnostic details. Consequently it was sometimes difficult to identify the charcoal securely to a particular genus. Large samples were subsampled as follows:

Group 25 – sample 104 (50%), sample 148 (50%); Group 64 – sample 92 (50%), sample 96 (50%), sample 102 (50%), sample 103 (25%); Group 75 – sample 242 (50%).

Samples were prepared for examination using standard methods. Fragments from each sample were fractured to expose fresh transverse surfaces and sorted into groups based on the anatomical features observed using a x20 hand lens. Representative fragments from each sample were selected for detailed study at high magnification. These were fractured to expose the tangential and radial planes, supported in washed sand, and examined using a Nikon Labophot microscope at magnifications of up to x400. The anatomical structures were matched to prepared reference slides. When possible the maturity (i.e. heartwood/ sapwood) of the wood was assessed.

### RESULTS

The results of the charcoal analysis are summarized in Table 1. The anatomical structure of the charcoal was consistent with the taxa or groups of taxa given below. It should be noted that the anatomical structure of some related taxa can not be distinguished with any certainty, for example, members of the Pomoideae (*Crataegus*, *Malus*, *Pyrus* and *Sorbus*), and Salicaceae (*Salix* and *Populus*). Classification follows that of *Flora Europaea* (Tutin, Heywood *et al* 1964-80).

Aceraceae. *Acer* sp., maple

Betulaceae. *Alnus* sp., alder

Corylaceae. *Corylus* sp., hazel



Fagaceae. *Quercus* sp., oak

Oleaceae. *Fraxinus* sp., ash

Rosaceae. Subfamilies:

Pomoideae which includes *Crataegus* sp., hawthorn; *Malus* sp., apple; *Pyrus* sp., pear; *Sorbus* spp., rowan, wild service and whitebeam. These taxa are anatomically indistinguishable.

Prunoideae: *P. spinosa*, blackthorn.

Salicaceae. *Salix* sp., willow and *Populus* sp., poplar. These taxa are anatomically similar.

### Environmental evidence

The site lies on a slight "island" in the floodplain of the river Welland. As might be anticipated, wetland species (alder and willow/ poplar) were present in many of the charcoal deposits, although slightly less frequently or absent in samples from Group 74. Blackthorn and the hawthorn group were dominant in most samples, suggesting their frequency in the environment, perhaps as scrub or thicket, or growing in hedgerows. Oak, often from wood mature enough to have developed heartwood (i.e. probably exceeding 20 years of age), was also common and occurred in most samples. Maple and ash were also recorded, although interestingly, not from the hearth residues in Group 74. In general the charcoal deposits from Group 74 were rather more degraded than those from the other groups, and poor preservation may have resulted in the loss of some taxa.

The charcoal analysis suggests an open landscape, with marginal or light woodland including oak, ash and maple, and possibly thickets of scrubby blackthorn, hawthorn and hazel, with alder and willow on the wetter land.

### References

Tutin, T.G., Heywood, V.H. *et al.* 1964-80 *Flora Europaea*, 1-5, Cambridge



**Table 1.** Market Deeping Bypass: charcoal

Key. r: roundwood (diameter &lt;20mm); s: sapwood; h: heartwood; u: unknown maturity.

\* material suitable for radiocarbon dating.

<i>Cont</i>	<i>Samp</i>	<i>Acer</i>	<i>Alnus</i>	<i>Corylus</i>	<i>Fraxinus</i>	Pomoideae	<i>Prunus</i>	<i>Quercus</i>	Salicaceae
<b>Group 25, irregular hollow</b>									
1052	104	?1	3 lor→	31	-	29	12	4s,h,u	18
1027	105	-	1	-	1	-	-	6r,h	45
1207	148	6	-	14	-	66	21	13r,h	-
<b>Group 64, from pit/ ditch terminal</b>									
914	92	1	2	3	16	18	26	2h	1
994	96	-	-	-	-	59	8	-	-
995	97	1	5	4	1	35	30	11s,h	1
1017	102	16	6	10	1	37	31	6h	-
1020	103	2	-	29	-	28	36	35h	-
<b>Group 74, from hearth, early-mid Iron Age</b>									
1176	115	-	-	-	-	-	-	1s*,3h	-
1141	120	-	14*	2*	-	15*	20r*	-	-
1141	121	-	-	3*	-	-	?1*	-	-
1358	134	-	-	-	-	2*	-	-	-
1359	135	-	-	-	-	3*	21r*	4h	-
1508	225	-	-	-	-	?1*	-	-	-
<b>Group 75, shallow pit in Iron Age roundhouse</b>									
1560	242	-	1+26or→	26	17sh	48r	1	1u	21



Appendix 18

Report on the geophysical survey  
undertaken on Site 8 + possibly Site 10.

by

Engineering Archaeological Services



*Survey Commissioned  
by  
Archaeological Project Services*

*Surveyed  
by  
John Price  
Engineering Archaeological Services Ltd.*

*registered in England  
Nº 2869678*

*Market Deeping  
By-Pass*

*Geophysical Survey*

*March 1997*



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*Copyright*



# Market Deeping Geophysical Survey - Introduction:

NGR

Site 10 DBI97 Trench 23 Centred On TF 158 126  
Site 8 DBB97 A15 Junction Centred On TF 134 113

## *Location And Topography*

Two areas were surveyed. The first at Deeping Common (Trench 23) and the second at Towngate (A15 junction). At both sites the ground was level, under winter cereals and the soils were sandy loam overlying gravels.

## *Archaeological Background*

Trench 23 - Two evaluation trenches had revealed areas with pits which contained burnt clay.

Towngate - Aerial photographs show a number of linear features and two 'ring ditches' on or close to the by-pass easement. Evaluation trenches had located the 'ring ditches' which were quite substantial.

## *Aims Of Survey*

Trench 23 - It was hoped that the magnetometer survey would help define the nature of the known archaeology and detect and locate any possible features and activity areas thus defining the extent of the site revealed by the evaluation trenches.

Towngate - It was hoped that geophysical survey would locate precisely the 'ring ditches' observed in the evaluation trenches and define any associated features.

## *Summary Of Results*

Trench 23 - No archaeological features were detected.

Towngate - Resistivity survey detected one of the ring ditches at the west end of the area.



## Market Deeping Geophysical Survey -Results:

### *Survey Results:*

#### *Area*

*Trench 23 - An area of 1 Ha was surveyed in detail with the Gradiometer including 1 grid of high resolution survey (sample interval 0.25m and traverse interval 0.5m).*

*Towngate - An area of 0.54 Ha was surveyed in detail with the gradiometer and an area of 0.4 Ha using the Resistivity meter - a 'multiplexed' twin probe array was used with probe spacings of 0.5 and 1.0m.*

#### *Display*

*The results are displayed as Grey Scale Image.*

### *Results:*

#### *Trench 23:*

*No archaeological features were detected, however, a number of areas were noted where the response was relatively noisy, these are illustrated in magenta on the interpretation (Figure 3). It is possible that the distribution of these noisy areas relates to the archaeological features observed in the evaluation trenches, however the southernmost of these areas does seem to be centered on a field access where brick rubble was in evidence.*

*The high resolution survey detected no archaeological features but striations in the data printout clearly are the result of modern ploughing.*

#### *Towngate:*

*The gradiometer survey detected a single linear feature running the length of the survey area illustrated in green on the interpretation (Figure 7). This is almost certainly a feature of agricultural origin, possibly 'ridge and furrow'. No indication was found for either of the 'ring ditches'. A band of high readings along the southern edge of the survey area was caused by the proximity of temporary accommodation being erected by the contractors.*

*The resistivity survey detected clearly the western 'ring ditch' but not the eastern one, this is illustrated in red on the interpretation. Two possible pits were noted on the south-eastern edge of the 'ring ditch'*

*Three linear features were detected, illustrated in green, which are probably 'ridge and furrow'.*



## Market Deeping Geophysical Survey -Results:

### *Magnetic Susceptibility*

*Soil samples were taken from random locations in the fields in order to assess the magnetic susceptibility of the soils. No sub-soil sample was obtained for comparison.*

*The susceptibilities as measured are quite reasonable and one would expect a reasonable response from archaeological features given these values.*

Sample	Volume susceptibility $\chi_v$	Mass susceptibility $\chi_m$
T23/Grid 5	42	42.4
T23/Grid 6	40	40
T23/Grid 7	19	17.1
T23/Grid 10	36	36.7
A15/Grid 2	61	56
A15/Grid 4	62	61.4
A15/Grid 6	50	47.2

### *Conclusions*

*It is a fundamental axiom of archaeological geophysics that the absence of features in the survey data does not mean that there is no archaeology present in the survey area only that the techniques used have not detected it.*

*No archaeology was detected at the Trench 23 site.*

*At Towngate one of the 'ring ditches' was detected by resistivity survey but not by magnetometry even though apparent 'ridge and furrow' responded to the technique.*



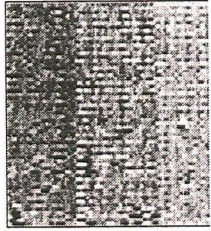


Market Deeping Bypass  
Trench 23

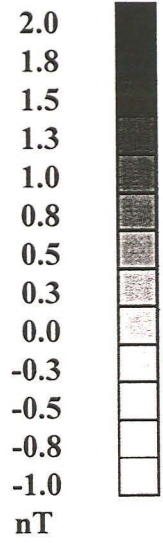
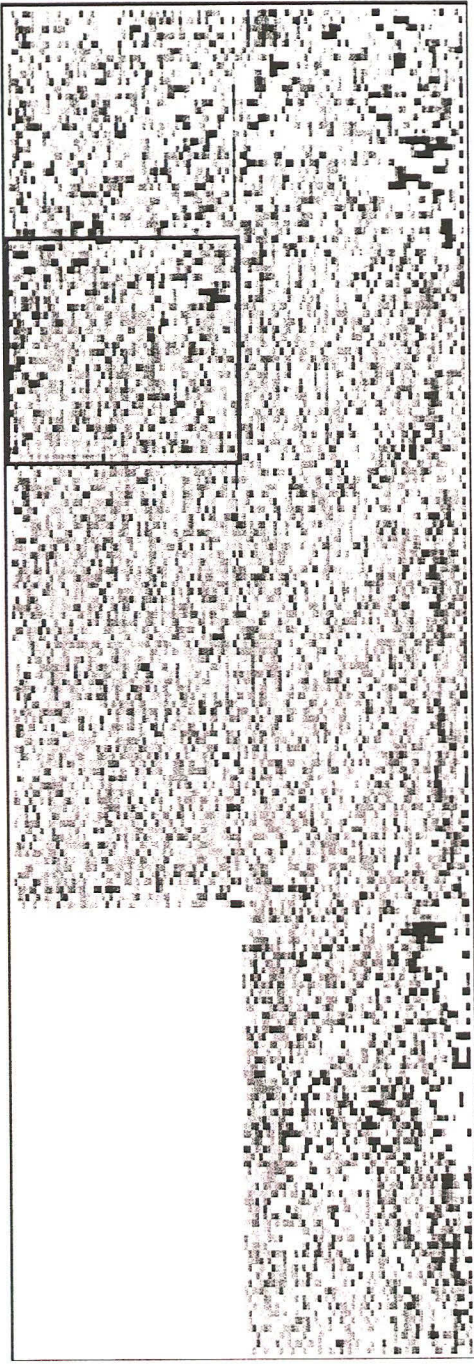
Scale 1:2500

Figure 1





High  
Resolution

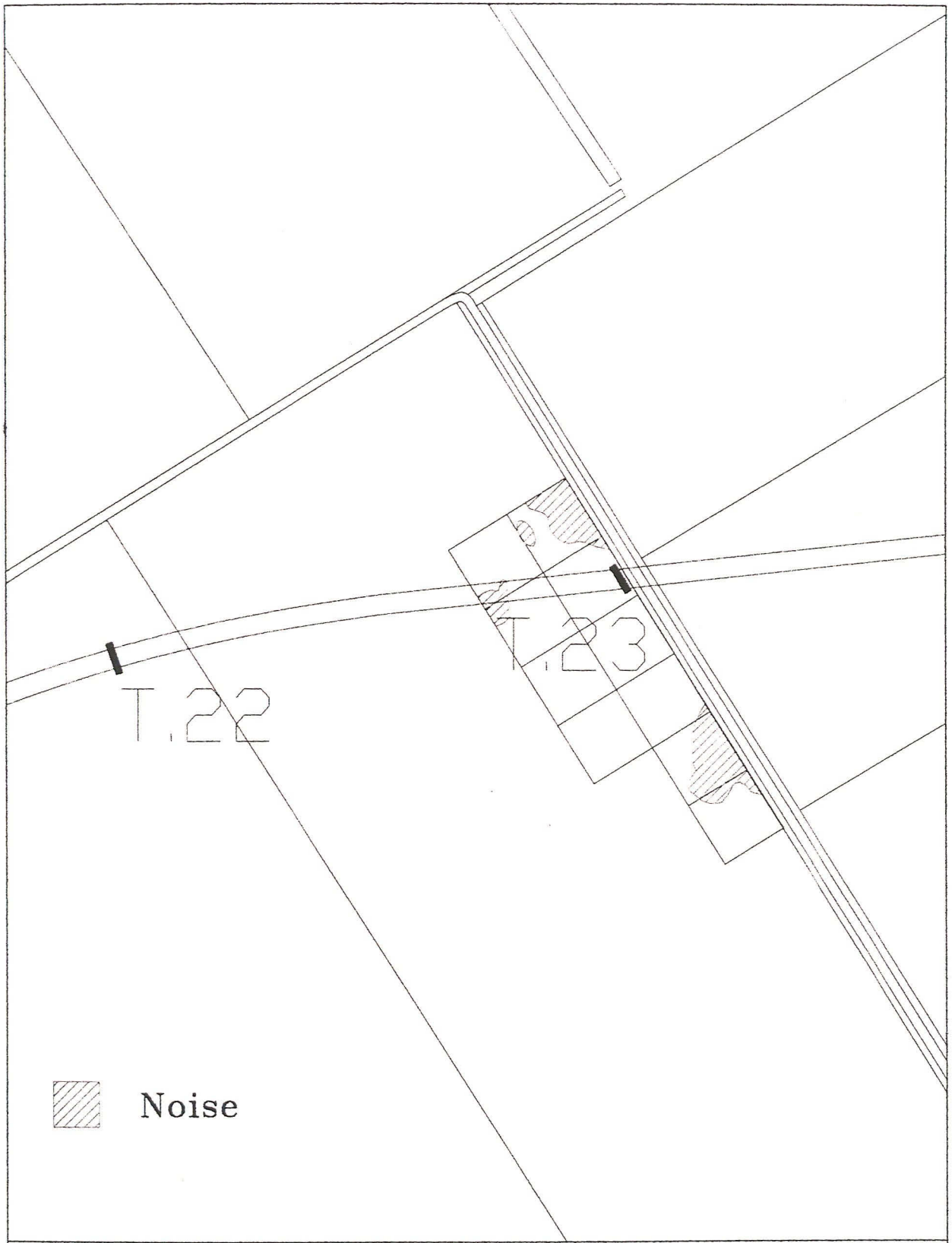


**Market Deeping  
Area 1 - Magnetometer Data**

**Scale 1:1000**

**Figure 2**



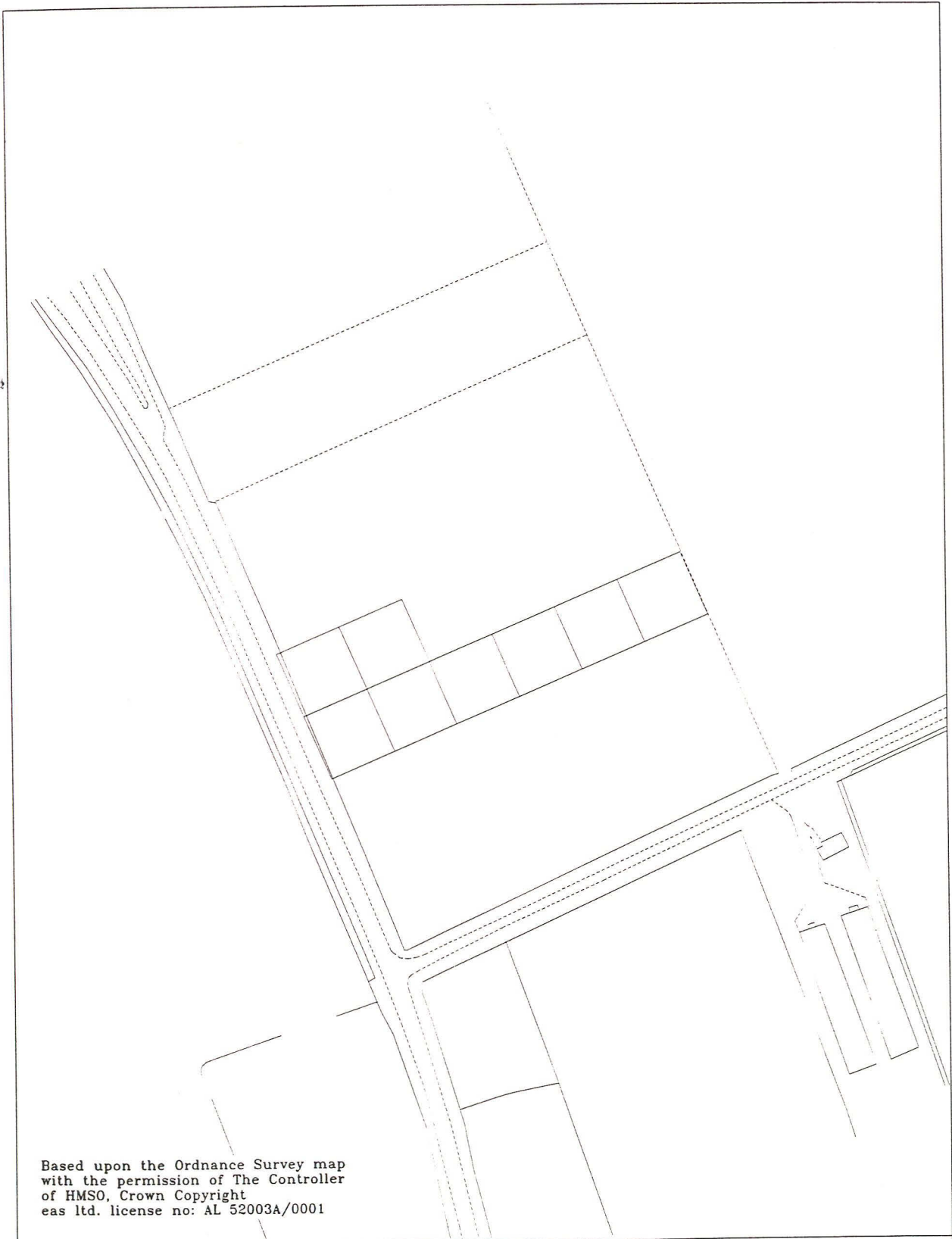


Market Deeping Bypass  
Trench 23

Scale 1:2500

Figure 3





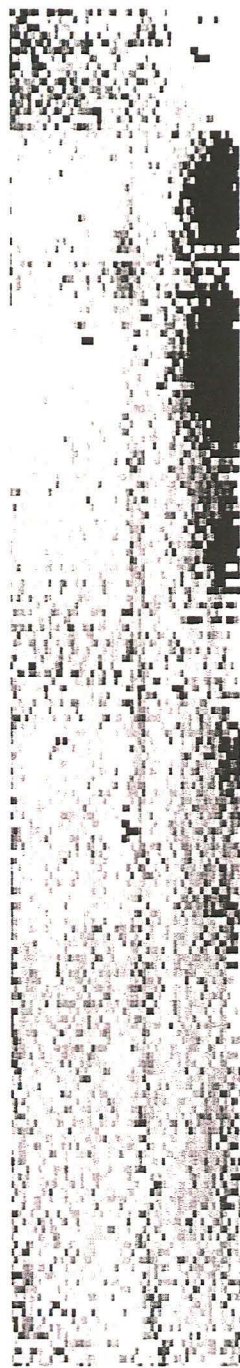
Based upon the Ordnance Survey map  
with the permission of The Controller  
of HMSO, Crown Copyright  
eas ltd. license no: AL 52003A/0001

Market Deeping Bypass  
A15 Junction

Scale 1:2500

Figure 4





4.3  
3.5  
2.8  
2.1  
1.4  
0.7  
0.0  
-0.7  
-1.4  
-2.1  
-2.8  
-3.5  
-4.3  
nT

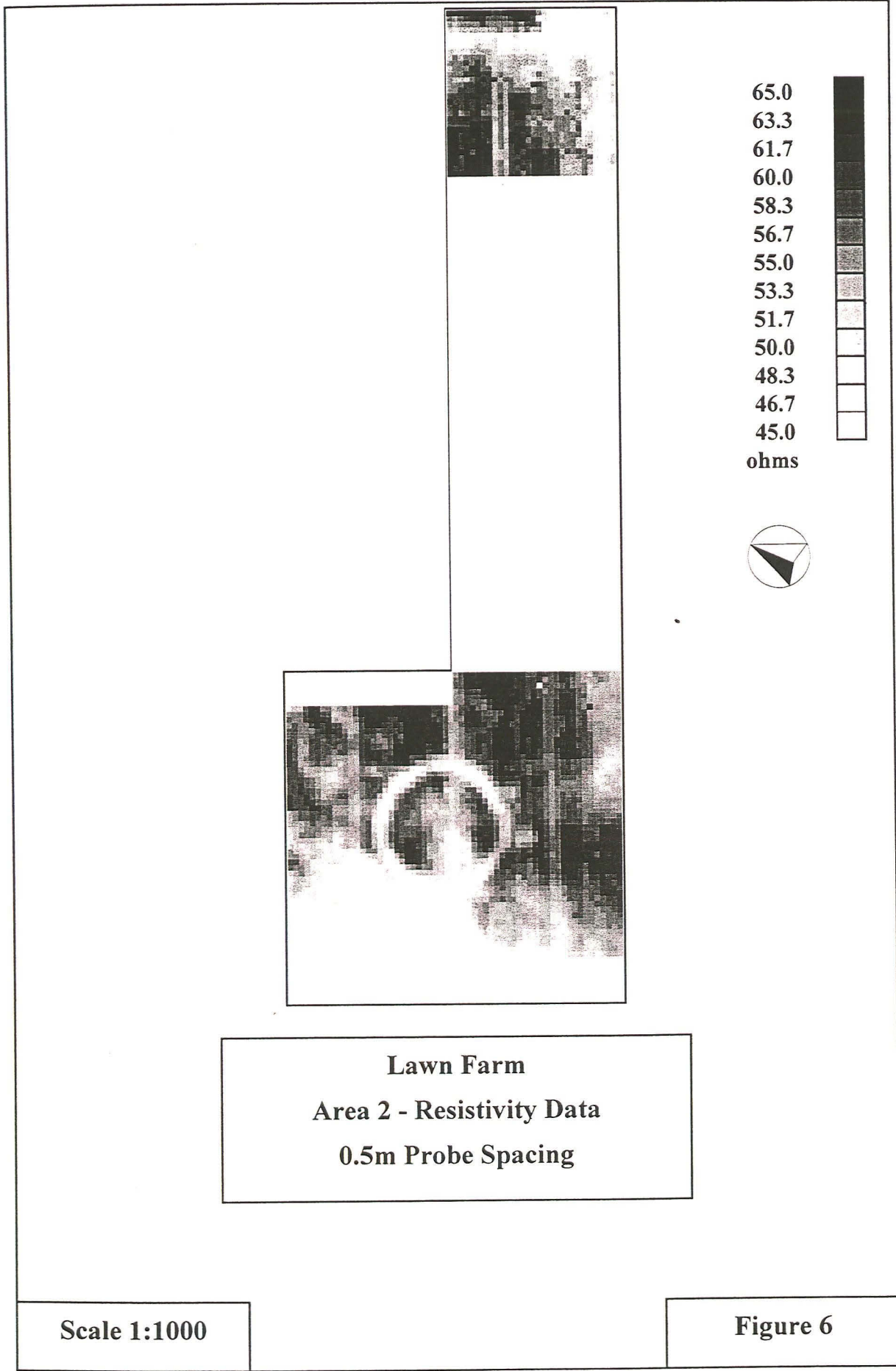


Market Deeping  
Area 2- Magnetometer Data

Scale 1:1000

Figure 5



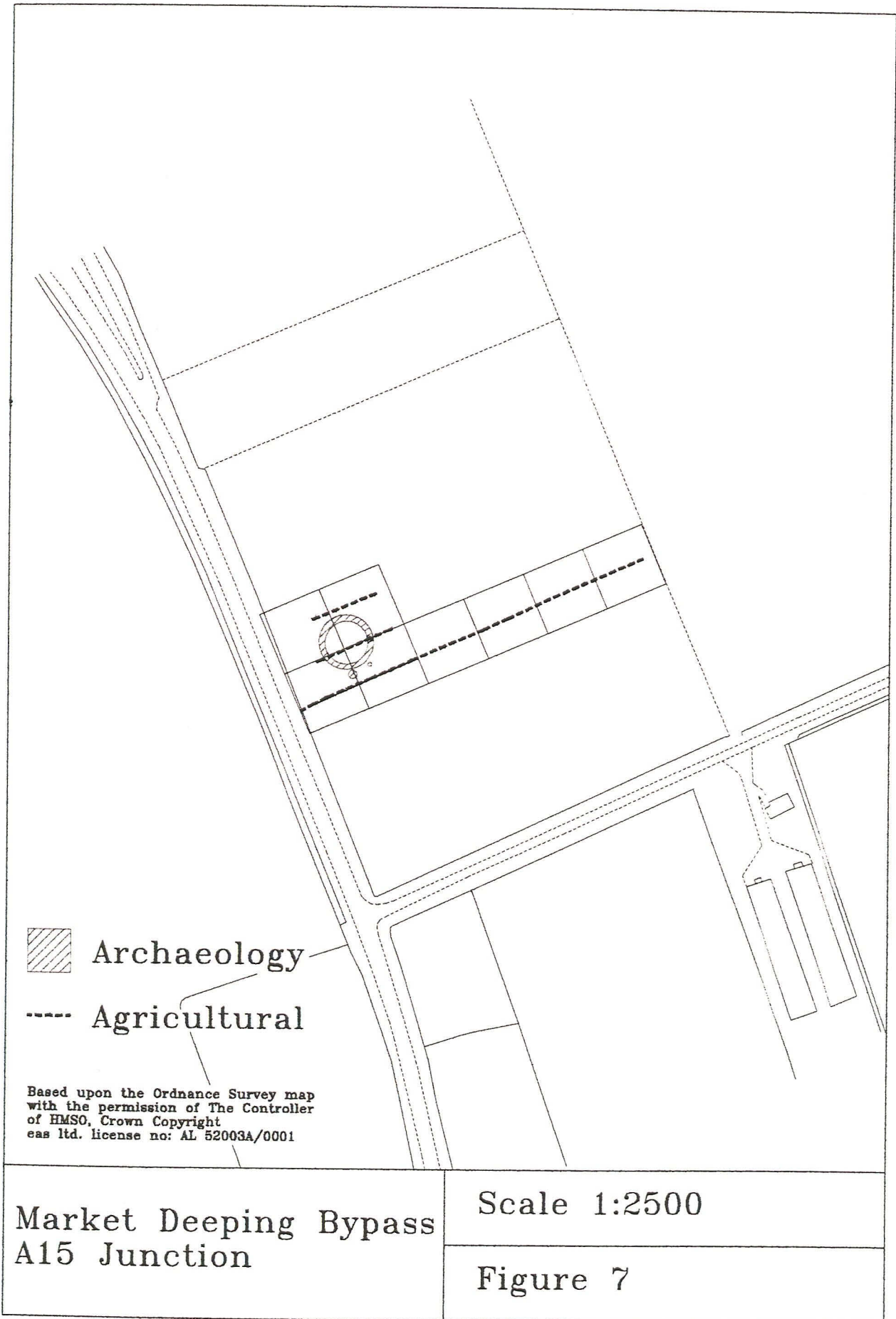


**Lawn Farm**  
**Area 2 - Resistivity Data**  
**0.5m Probe Spacing**

**Scale 1:1000**

**Figure 6**







# Market Deeping Geophysical Survey -Technical Information:

## **Techniques Of Geophysical Survey:**

### **Magnetometry:**

*This relies on variations in soil magnetic susceptibility and magnetic remanance which often result from past human activities. Using a Fluxgate Gradiometer these variations can be mapped, or a rapid evaluation of archaeological potential can be made by scanning.*

### **Resistivity:**

*This relies on variations in the electrical conductivity of the soil and subsoil which in general is related to soil moisture levels. As such, results can be seasonally dependant. Slower than Magnetometry this technique is best suited to locating positive features such as buried walls that give rise to high resistance anomalies.*

*The depth at which features are detected is dependant on the probe spacing. A probe separation of 0.5m will detect features between 0.5 and 1m while a probe separation of 1.0m will detect features between 1 and 2m.*

### **Magnetic Susceptibility:**

*Variations in soil magnetic susceptibility occur naturally but can be greatly enhanced by human activity. Information on the enhancement of magnetic susceptibility can be used to ascertain the suitability of a site for magnetic survey and for targeting areas of potential archaeological activity when extensive sites need to be investigated. Very large areas can be rapidly evaluated and specific areas identified for detailed survey by gradiometer.*

### **Instrumentation:**

- 1. Fluxgate Gradiometer - Geoscan Fm36**
- 2. Resistance Meter - Geoscan Rm4/DI10**
- 3. Magnetic Susceptibility Meter - Bartington Ms2**

## **Methodology:**

*For Gradiometer and Resistivity Survey 20m x 20m or 30m x 30m grids are laid out over the survey area. Gradiometer readings are logged at either 0.5m or 1m intervals along traverses 1m apart. Resistance meter readings are logged at 1m intervals. Data is down-loaded to a laptop computer in the field for initial configuration and analysis. Final analysis is carried out back at base.*

*For scanning transects are laid out at 10m intervals. Any anomalies noticed are where possible traced and recorded on the location plan.*

*For Magnetic Susceptibility Survey a large grid is laid out and readings logged at 10m intervals along traverses 10m apart, data is again configured and analysed on a laptop computer.*

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Appendix 19

Report on the radiocarbon dating of charcoal in hearth group 74  
on Site 4 on the  
Market Deeping bypass

by

Beta Analytic Radiocarbon dating laboratory





Consistent Accuracy  
Delivered On Time.

**Beta Analytic Inc.**  
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Miami, Florida 33155 USA  
Tel: 305 667 5167  
Fax: 305 663 0964  
beta@radiocarbon.com  
www.radiocarbon.com

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**MR. DARDEN HOOD**  
Co-directors

**Mr. Ronald Hatfield**  
Laboratory Manager

**Mr. Christopher Patrick**  
**Ms. Teresa Zilko-Miller**  
Associate Managers

February 25, 2000

Dr. Dale Trimble  
Archaeological Project Services  
The Old School  
Cameron Street, Heckington  
Sleaford, Lincs NG34 9RW  
UK



Dear Dr. Trimble:

Please find enclosed the radiocarbon dating result for one charcoal sample (DBF97 Sample 1) which was received for radiometric counting on January 18. Pretreatment, C14 content measurement and age calculation went normally. The quoted errors represent 1 sigma statistics. Since these errors cannot include uncertainties outside of those which can be quantified during measurement, it is best to consider them as minimum quotes.

The two sigma calibrated range is Cal BC 845 to 415 (Cal BP 2795 to 2365). A publication quality calendar calibration print out is enclosed. It was calculated using the newest calibration data as published in *Radiocarbon*, Vol. 40, No. 3, 1998 using the cubic spline fit mathematics as published by Talma and Vogel, *Radiocarbon*, Vol. 35, No. 2, pg 317-322, 1993: A Simplified Approach to Calibrating C14 Dates. Results are reported both as cal BC and cal BP. Note that calibration for samples beyond about 10,000 years is still very subjective. The calibration data beyond about 13,000 years is a "best fit" compilation of modeled data and, although an improvement on the accuracy of the radiocarbon date, should be considered illustrative. It is very likely that calibration data beyond 10,000 years will change in the future. Because of this, it is always important to quote the original BP dates and these references in your publications so that future refinements can be applied to your results.

The calendar calibration printouts are now available via email. If you are using Windows, we can send them to you via Windows metafile. With some email software, this can be opened by clicking on the file. Elsewise, you can save the file and then insert it into your word processor as a picture. If you are interested to receive printout by email, let us know and we'll send it to you.

Our invoice is enclosed. Please, forward it to the appropriate office or send VISA charge authorization. Thank you. As always, if you have any questions or would like to discuss the results, don't hesitate to contact me.

Sincerely,

**BETA****BETA ANALYTIC INC.**

DR. M.A. TAMERS and MR. D.G. HOOD

UNIVERSITY BRANCH  
4985 S.W. 74 COURT  
MIAMI, FLORIDA, USA 33155  
PH: 305/667-5167 FAX: 305/663-0964  
E-MAIL: beta@radiocarbon.com**REPORT OF RADIOCARBON DATING ANALYSES**

Dr. Dale Trimble

Report Date: February 25, 2000

Archaeological Project Services

Material Received: January 18, 2000

Sample Data	Measured Radiocarbon Age	<sup>13</sup> C / <sup>12</sup> C Ratio	Conventional Radiocarbon Age (*)
a-139038	2570 +/- 80 BP	-25.0* o/oo	2570 +/- 80* BP

SAMPLE #: DBF97 Sample 1

ANALYSIS: radiometric-standard

MATERIAL/PRETREATMENT:(charred material): acid/alkali/acid

COMMENT: the sample was given extended counting time

NOTE: It is important to read the calendar calibration information and to use the calendar calibrated results (reported separately) when interpreting these results in AD/BC terms.

Dates are reported as RCYBP (radiocarbon years before present, "present" = 1950A.D.). By International convention, the modern reference standard was 95% of the C14 content of the National Bureau of Standards' Oxalic Acid & calculated using the Libby C14 half life (5568 years). Quoted errors represent 1 standard deviation statistics (68% probability) & are based on combined measurements of the sample, background, and modern reference standards.

Measured C13/C12 ratios were calculated relative to the PDB-1 international standard and the RCYBP ages were normalized to -25 per mil. If the ratio and age are accompanied by an (\*), then the C13/C12 value was estimated, based on values typical of the material type. The quoted results are NOT calibrated to calendar years. Calibration to calendar years should be calculated using the Conventional C14 age.



Appendix 19

Report on the radiocarbon dating of charcoal in hearth group 74  
on Site 4 on the  
Market Deeping bypass

by

Beta Analytic Radiocarbon dating laboratory

# CALIBRATION OF RADIOCARBON AGE TO CALENDAR YEARS

(Variables: est. C13/C12=-25;lab. mult=1)

Laboratory number: Beta-139038

Conventional radiocarbon age<sup>1</sup>: 2570±80 BP

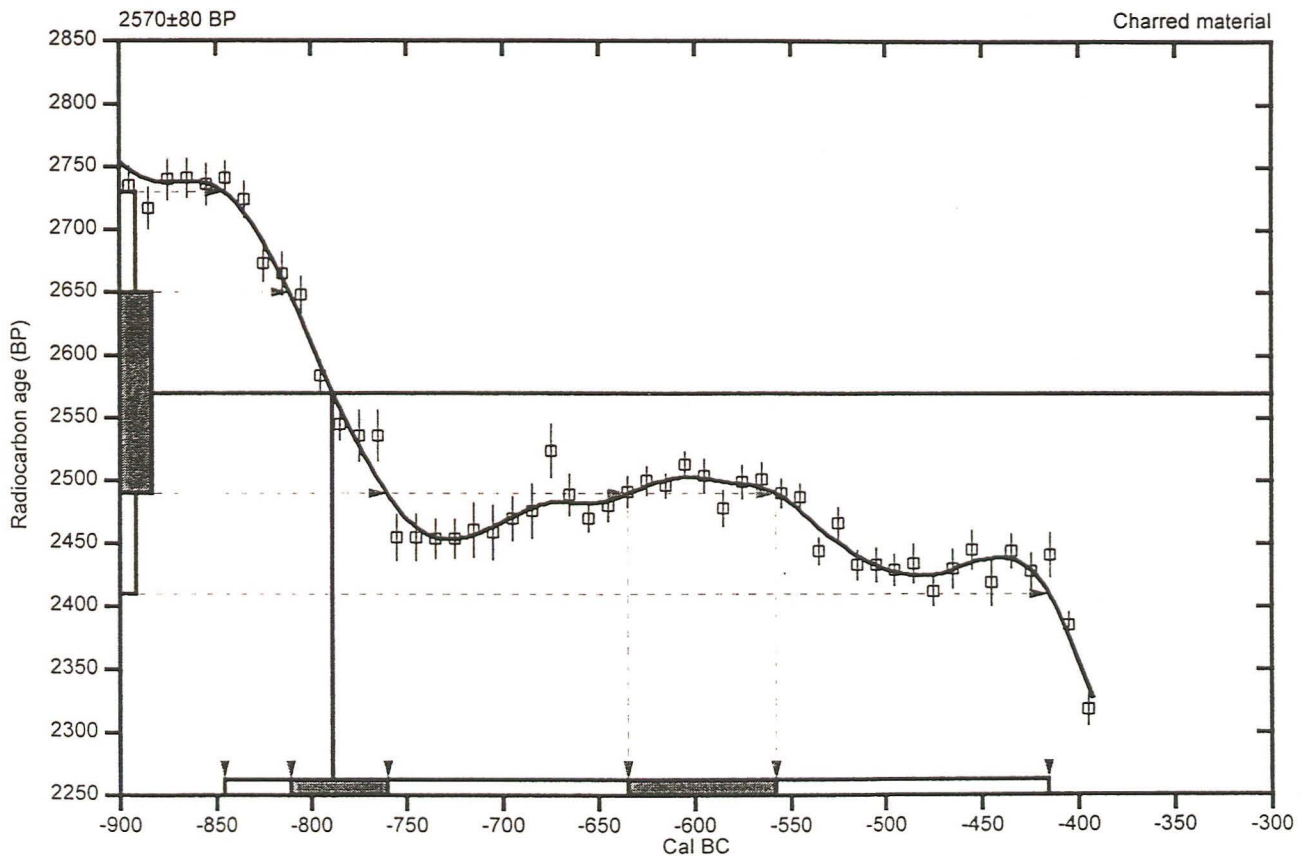
2 Sigma calibrated result: Cal BC 845 to 415 (Cal BP 2795 to 2365)  
(95% probability)

<sup>1</sup> C13/C12 ratio estimated

Intercept data

Intercept of radiocarbon age  
with calibration curve: Cal BC 790 (Cal BP 2740)

1 Sigma calibrated results: Cal BC 810 to 760 (Cal BP 2760 to 2710) and  
Cal BC 635 to 560 (Cal BP 2585 to 2510)



## References:

### Database used

INTCAL98

### Calibration Database

### Editorial Comment

Stuiver, M., van der Plicht, H., 1998, *Radiocarbon* 40(3), p. xii-xiii

### INTCAL98 Radiocarbon Age Calibration

Stuiver, M., et al., 1998, *Radiocarbon* 40(3), p. 1041-1083

### Mathematics

### A Simplified Approach to Calibrating C14 Dates

Talma, A. S., Vogel, J. C., 1993, *Radiocarbon* 35(2), p. 317-322

## Beta Analytic Radiocarbon Dating Laboratory

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