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Appendix Ia: Total Fragment Counts (Excluding Fish) by Period and Site Type

Site	Domestic Mammals			Wild Mammals						Domestic Birds				Wild Bird	Total	Reference
	cattle	sheep	pig	red	roe	fallow	deer'	boar	rabbit	hare	fowl	goose	duck			
<b>E/M Saxon Village</b>																
New Wintles, Oxfordshire	435	281	104				5			4	3			5	837	Noddle, 1975a
Riby Cross, Yorkshire	902	546	70	1						14	30				1563	Scott, 1994
Spong Hill, Norfolk	634	75	10	5											724	Bond, 1995
West Stow, Suffolk	7873	11148	3903	58	33				10	521	285			89	23920	Crabtree, 1990
<b>Total</b>	<b>9844</b>	<b>12050</b>	<b>4087</b>	<b>64</b>	<b>33</b>		<b>5</b>		<b>10</b>	<b>539</b>	<b>318</b>			<b>94</b>	<b>27044</b>	
<b>% By Category</b>		<b>96</b>					<b>0.5</b>				<b>3</b>			<b>0.5</b>		
<b>E/M Saxon Town</b>																
Maiden Lane, London	2898	861	1547	28						80	61	4		5	5484	West and Rackham, 1993a
Jubilee Hall, London	843	336	365	6	1					24	14				1589	West and Rackham, 1993a
Peabody Buildings, London	63	76	71		1				1	33	15	1		47	308	West and Rackham, 1993b
National Gallery, London	475	661	470	1	2					45	30	2			1686	West and Rackham, 1993b
Abbots Worthy, Hampshire	502	443	108	19						70	17			9	1168	Coy, 1987
Hamwih, Hampshire	23896	14606	6953	12	8					800	353			47	46675	Bourdillon and Coy, 1980
Audlett Drive, Oxfordshire	91	67	15							2	1			1	177	Levitan, 1992
St Aldates, Oxfordshire	69	27	8							6	1				111	Marples, 1977
Ipswich, Suffolk	4282	2206	3130	27	12				1	513	129	9		12	10321	Crabtree, 1996
Ipswich, Suffolk	3408	1809	1973	4	7					397	176	11		24	7809	Jones and Serjeantson, 1983
Caister-on-Sea, Norfolk	305	108	77	13	1				1	52	16	18		8	599	Harman, 1993
Redcastle Furze, Norfolk	407	301	105							19	5			2	839	Wilson, 1995
Fishergate, Yorkshire	8296	3421	1295	2	5			3		603	222			18	13865	O'Connor, 1991
<b>Total</b>	<b>45535</b>	<b>24922</b>	<b>16117</b>	<b>112</b>	<b>37</b>			<b>3</b>	<b>3</b>	<b>2644</b>	<b>1040</b>	<b>45</b>		<b>173</b>	<b>90631</b>	
<b>% By Category</b>		<b>95.5</b>					<b>0.2</b>				<b>4</b>			<b>0.2</b>		
<b>E/M Saxon High Status</b>																
Boltophs, Bramber, Sussex	113	55	98	10						2	1				279	Stevens, 1990
Ramsbury, Wiltshire	339	247	249	20	42									52	949	Coy, 1980
Portchester Castle, Hampshire	5627	2892	1857	318	206					31	33	2		6	11001	Grant, 1975b
Saxon Palaces, Northamptonshire	194	476	151		1					30	29	11		4	900	Harman, 1985b
Lake End Road, Essex	2108	704	1288	9	18			3		198	64	67		34	4495	Powell, 1999
Lot's Hole, Essex	196	111	78					1		10	4	1			401	Powell, 1999
Brandon, Suffolk	13441	24652	9121	50	108				28	1306	964	755		143	50568	Crabtree, 1996
<b>Total</b>	<b>22018</b>	<b>29137</b>	<b>12842</b>	<b>407</b>	<b>375</b>			<b>4</b>	<b>63</b>	<b>1577</b>	<b>1095</b>	<b>836</b>	<b>52</b>	<b>187</b>	<b>68593</b>	
<b>% By Category</b>		<b>93.5</b>					<b>1.2</b>				<b>5</b>			<b>0.3</b>		

Appendix Ia: Total Fragment Counts (Excluding Fish) by Period and Site Type

Site	Domestic Mammals			Wild Mammals						Domestic Birds				Wild Bird	Total	Reference	
	cattle	sheep	pig	red	roe	fallow	deer'	boar	rabbit	hare	fowl	goose	duck				bird
<b>E/M Saxon Religious House</b>																	
North Elmham, Norfolk	2424	2808	2182	3	43					3	37	18	5		17	7540	Noddle, 1980
St Albans, Hertfordshire	136	84	510	2	41						23	11	3		3	813	Crabtree, 1983
Wicken Bonhunt, Essex	5138	3858	20954	16	143					4	3082	2038	147		107	35487	Crabtree, 1996
<b>Total</b>	<b>7698</b>	<b>6750</b>	<b>23646</b>	<b>21</b>	<b>227</b>				<b>7</b>		<b>3142</b>	<b>2067</b>	<b>155</b>		<b>127</b>	<b>43840</b>	
<b>% By Category</b>		<b>87</b>					<b>0.6</b>					<b>12</b>			<b>0.3</b>		
<b>Late Saxon Village</b>																	
Steyning, Sussex	624	1768	260								62	19	23		11	2768	Collected personally
Wharram Percy, Yorksire	299	121	69								96	8				593	Stevens, 1992
West Cotton, Northampton	46	35	28								5	4	1		4	123	Albarella and Davis, 1994
Goltho, Lincolnshire	103	32	10	1	2					1	2	3	1		0	155	Jones and Ruben, 1987
Walton Vicarage, Buckinghamshire	603	497	331	12							20	44			3	1510	Noddle, 1976
<b>Total</b>	<b>1675</b>	<b>2453</b>	<b>698</b>	<b>13</b>	<b>2</b>				<b>2</b>		<b>185</b>	<b>78</b>	<b>25</b>		<b>18</b>	<b>5149</b>	
<b>% By Category</b>		<b>94</b>					<b>0.3</b>					<b>5.5</b>			<b>0.3</b>		
<b>Late Saxon Town</b>																	
Winchester, Hampshire	1411	1176	670	5	4					7	161	6	14		2	3456	Bourdillon, 1992
Winchcombe, Gloucestershire	343	512	76		2						36	5			1	975	Leviton, 1985
West Gate, Gloucestershire	62	68	49	1							3	3	1			187	Maltby, 1979b
Bath, Avon	143	183	51	1										55		433	Grant, 1979
Newbury, Berkshire	485	623	202		1					4	40	14	1		1	1371	Coy, 1996
St Ebbes, Oxfordshire	536	1251	380		8	1				4						2180	Wilson <i>et al.</i> , 1989
St Aldates, Oxfordshire	207	199	61								13	2				482	Marples, 1977
Hereford city, Herefordshire	1648	433	492	84	9	3					58	4	1			2732	Noddle, 1985a
Ipswich, Suffolk	398	114	119								24	5	3		1	664	Jones and Serjeantson, 1983
Brandon Road, Norfolk	1425	1050	483		1	1				1	100	35	15			3111	Jones, 1993
St Nicholas' Street, Noorfolk	112	58	21									1				193	Hutton-MacDonald, 1999
Thetford 1092, Norfolk	919	650	394	4							29	13	3		7	2019	Jones, 1984
Mill Lane, Thetford, Norfolk	548	336	318		3						69	11	11		2	1299	Albarella, 1999
St Martins-at palace plain, Norfolk	1524	1102	1140		2	2			1	5						3776	Cartledge, 1987
Fishergate Norfolk	893	222	216	3							13	10	1			1359	Jones, 1994a
Redcastle Furze, Norfolk	143	106	61													311	Wilson, 1995
St Peters Street, Northamptonshire	162	228	88													479	Harman, 1979b
Coppergate, Yorkshire	17832	7024	4588	91	5			6		9	1217	348	1			31121	O'Connor, 1989a
Skeldergate, Yorkshire	354	129	53	1												537	O'Connor, 1984
Lurk Lane, Yorkshire	4083	1533	1263	1	63			5		6	88	109	3		16	7170	Scott, 1991
Lincoln city, Lincolnshire	1037	449	203	5							63	13			5	1775	Dobney <i>et al.</i> , 1995
<b>Total</b>	<b>34265</b>	<b>17446</b>	<b>10928</b>	<b>196</b>	<b>98</b>	<b>7</b>		<b>11</b>	<b>2</b>	<b>40</b>	<b>1914</b>	<b>579</b>	<b>54</b>	<b>55</b>	<b>35</b>	<b>65630</b>	
<b>% By Category</b>		<b>95.4</b>					<b>0.5</b>					<b>4</b>			<b>0.05</b>		

Appendix Ia: Total Fragment Counts (Excluding Fish) by Period and Site Type

Site	Domestic Mammals			Wild Mammals						Domestic Birds				Wild Bird	Total	Reference	
	cattle	sheep	pig	red	roe	fallow	deer'	boar	rabbit	hare	fowl	goose	duck				bird
<b>Late Saxon High Status</b>																	
Canterbury Castle, Kent	78	91	65													234	King, 1982
Portchester Castle, Hampshire	1029	626	385	74	27					26	511	147	62		225	3112	Grant, 1975b
Facombe Netherton, Hampshire	284	449	405	28	56					18	61	15			49	1365	Sadler, 1990
Cheddar Palaces, Somerset	1806	1064	1288	52	64			2						11		4287	Higgs and Greenwood, 1979
Trowbridge Castle, Wiltshire	718	415	342	10	19						20	7			5	1536	Bourdillon, 1993
Ramsbury, Wiltshire	447	307	353	16	31									99	1	1254	Coy, 1980
Castle Mall, Norfolk	541	236	277		2	1			5		191	22	9		3	1287	Albarella <i>et al.</i> , 1997
Saxon Palaces, Northamptonshire	733	785	349	2	1					3	113	68	19		7	2080	Harman, 1985b
Goltho, Lincolnshire	234	152	177	8	47	25			2	1	36	15	5			702	Jones and Ruben, 1987
<b>Total</b>	<b>5870</b>	<b>4125</b>	<b>3641</b>	<b>190</b>	<b>247</b>	<b>26</b>		<b>2</b>	<b>8</b>	<b>48</b>	<b>932</b>	<b>274</b>	<b>95</b>	<b>110</b>	<b>290</b>	<b>15858</b>	
<b>% By Category</b>	<b>86</b>			<b>3</b>						<b>9</b>				<b>2</b>			
<b>Late Saxon Religious House</b>																	
Lewes Priory, Sussex		5	2								9				1	17	Stevens, 1997
North Elmham, Norfolk	1046	1503	827	1	17				1		44	16	2		7	3464	Noddle, 1980
Westminster Abbey, London	769	535	615	4	18				2	7	205	12	17		36	2220	Rackham, 1994
Eynsham Abbey, Oxfordshire	260	322	261	4	47					8	29	11	9		18	969	Serjeantson <i>et al.</i> , forthcoming
St Albans Abbey, Hertfordshire	104	112	506		35					2	22	8	4		2	795	Crabtree, 1983
Jarrow, Northumberland	319	106	63	1	2						94	56	1		2	644	Noddle, 1987
<b>Total</b>	<b>2498</b>	<b>2583</b>	<b>2274</b>	<b>10</b>	<b>119</b>				<b>3</b>	<b>17</b>	<b>403</b>	<b>103</b>	<b>33</b>		<b>66</b>	<b>8109</b>	
<b>% By Category</b>	<b>90</b>			<b>2</b>						<b>7</b>				<b>1</b>			
<b>Norman Village</b>																	
Brighton Hill South, Hampshire	198	144	98								6				1	447	Coy, 1995
West Cotton, Northamptonshire	760	658	318	1	1					4	68	40	21		43	1914	Albarella and Davis, 1994
Walton Vicarage, Buckinghamshire	726	871	396	20							56	19	2		3	2093	Noddle, 1976
<b>Total</b>	<b>1684</b>	<b>1673</b>	<b>812</b>	<b>21</b>	<b>1</b>					<b>4</b>	<b>130</b>	<b>59</b>	<b>23</b>		<b>47</b>	<b>4454</b>	
<b>% By Category</b>	<b>94</b>			<b>0.5</b>						<b>4.5</b>				<b>1</b>			
<b>Norman Town</b>																	
Kings Lynn, Norfolk	603	715	350			1			1		77	42	5		13	1807	Noddle, 1977
North Street, Lewes, Sussex	614	1699	540	6	16	5					200	13			23	3116	Collected personally
Exeter, Devon	3191	893	445	3	2	2			1	5	204	42	1		26	4815	Maltby, 1979a
Bath, Avon	1023	1115	292	2	1	4										2590	Grant, 1979
St Ebbes, Oxfordshire	1370	3468	1094	3	6									153		5950	Wilspson and Locker, 1989
St Aldates, Oxfordshire	482	313	64								66	15				940	Marples, 1977
Newbury, Berkshire	82	39	25			1			12		37	8	2		1	207	Coy, 1996
Ipswich, Suffolk	295	121	132								32	13	3			596	Jones and Serjeantson, 1983
Brandon Road, Norfolk	1757	1577	687	1					1	1	166	69	8		6	4273	Jones, 1993



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Site	Domestic Mammals			Wild Mammals						Domestic Birds				Wild Bird	Total	Reference	
	cattle	sheep	pig	red	roe	fallow	deer'	boar	rabbit	hare	fowl	goose	duck				bird
<b>Norman Town Continued</b>																	
St Martins-at-palace plain, Norfolk	953	702	660	3	5	7	4			5						2339	Cartledge, 1987
St Nicholas Street, Norfolk	838	937	382	1	1					8	7			6		2347	Hutton MacDonald, 1999
Fishergate Norfolk	952	309	289	1	1							1		2		1705	Jones, 1994a
Redcastle Furze, Norfolk	313	386	149		1					2						851	Wilson, 1995
Coppergate, Yorkshire	1096	384	255	7							50	15				1807	O'Connor, 1989a
General accident, Yorkshire	139	41	33	2				1			11	2		8		237	O'Connor, 1988
Skeldergate, Yorkshire	1223	509	159	6												1900	O'Connor, 1984
Fishergate, Yorkshire	1025	660	237		2			1	1	1	159	40		11		2137	O'Connor, 1991
Lurk Lane, Yorkshire	2535	1887	1061		42	1		7		9	198	61	2	23		5826	Scott, 1991
Eastgate, Yorkshire	2734	4632	810		10	3		7		23	855	662	131	34		9901	Scott, 1992
Lincoln city, Lincolnshire	88	110	26	1							8	13		5		251	Dobney <i>et al.</i> , 1995
<b>Total</b>	<b>21313</b>	<b>20497</b>	<b>7690</b>	<b>36</b>	<b>87</b>	<b>24</b>	<b>4</b>	<b>16</b>	<b>26</b>	<b>64</b>	<b>2287</b>	<b>1077</b>	<b>163</b>	<b>153</b>	<b>158</b>	<b>53595</b>	
<b>% By Category</b>		<b>92</b>					<b>0.5</b>					<b>7</b>			<b>0.5</b>		
<b>Norman High Status</b>																	
Wirral Park, Somerset	175	236	180				29								52	672	Darvill and Coy, 1977
Boltophs, Bramber, Sussex	8	34	27	6	1				1		7			1		85	Stevens, 1990
Pevensey Castle, Sussex	291	366	341	3	5	2		1		6	49	28	10	26		1128	Powell and Serjeantson, <i>forth.</i>
Bramber Castle, Sussex	274	182	254			10			6		87	7				820	Westley, 1977
Guildford Castle, Surrey	79	123	62	1	1	3					11			4		284	Sykes, <i>forthcoming</i>
Carisbrooke Castle	321	882	1030	10		27				131						2401	Smith, 1994
Portchester Castle, Hampshire	136	78	77	1		1					10			2		305	Grant, 1977
Facombe Netherton, Hampshire	333	372	471	611	246	91			30	29	629	164		182		3158	Sadler, 1990
Cheddar Palaces, Somerset	274	95	57	1	22	3								6		458	Higgs and Greenwood, 1979
Trowbridge, Wiltshire	619	771	350	12	14	4				8	96	33		13		1920	Bourdillon, 1993
Bristol Castle, Avon	1237	972	959			93					252	555		202		4270	Noddle, cited in Levitan 1987
Oxford Castle, Oxfordshire	165	328	108								29	2	1	5		638	Marples, 1976
Banbury Castle, Oxfordshire	158	79	78	1	6									68		390	Gamble, 1983
Middleton Stoney, Oxfordshire	78	129	123	192							1055	98		301		1976	Levitan, 1984a
Castle Rising, Norfolk	68	66	59		3	7			10	1	41	7	1	11		274	Jones <i>et al.</i> , 1997
Saxon Palaces, Northamptonshire	48	60	18	1	1					3	15	3	1	1		151	Harman, 1985b
Sandal Castle, Yorkshire	31	16	64	1		5										117	Griffith <i>et al.</i> , 1983
Launceston Castle, Cornwall	54	59	62	3	1					1	5	1		4		190	Albarella and Davis, 1996
Castle Mall, Norfolk	446	264	216			3				2	99	30	9	4		1073	Albarella <i>et al.</i> , 1997
North Elmham, Norfolk	290	291	321	13	5	6			6	1	14	9	2	5		963	Noddle, 1980
Goltho, Lincolnshire	157	334	132	8	24	5			1	9	58	47	4			779	Jones and Ruben, 1987
<b>Total</b>	<b>5242</b>	<b>5737</b>	<b>4989</b>	<b>864</b>	<b>329</b>	<b>260</b>	<b>29</b>	<b>1</b>	<b>54</b>	<b>191</b>	<b>2457</b>	<b>984</b>	<b>28</b>	<b>126</b>	<b>761</b>	<b>22052</b>	
<b>% By Category</b>		<b>72.5</b>					<b>8</b>					<b>16</b>			<b>3.5</b>		

Appendix Ia: Total Fragment Counts (Excluding Fish) by Period and Site Type

Site	Domestic Mammals			Wild Mammals						Domestic Birds				Wild Bird	Total	Reference
	cattle	sheep	pig	red	roe	fallow	deer'	boar	rabbit	hare	fowl	goose	duck			
<b>Norman Religious House</b>																
Battle Abbey, Sussex	8	3	16								1				28	Locker, 1985
Eynsham Abbey, Oxfordshire	1432	908	1325	31	84	6		1	33	217	47	11		34	4129	Serjeantson <i>et al</i> , forthcoming
Jarrow, Northumberland	218	167	159	2						129	27	1		4	707	Noddle, 1987
<b>Total</b>	<b>1658</b>	<b>1078</b>	<b>1500</b>	<b>33</b>	<b>84</b>	<b>6</b>		<b>1</b>	<b>33</b>	<b>346</b>	<b>75</b>	<b>12</b>		<b>38</b>	<b>4864</b>	
<b>% By Category</b>		<b>87</b>						<b>3</b>			<b>9</b>			<b>1</b>		
<b>Angevin Village</b>																
West Cotton, Northamptonshire	291	583	174			1			8	38	10	3		51	1159	Albarella and Davis, 1994
Upton, Gloucestershire	106	452	23					1		8					590	Yealland and Higgs, 1966
Walton Vicarage, Buckinghamshire	645	827	292	22	3					31	18	2		100	1940	Noddle, 1976
<b>Total</b>	<b>1042</b>	<b>1862</b>	<b>489</b>	<b>22</b>	<b>3</b>	<b>1</b>		<b>1</b>	<b>8</b>	<b>77</b>	<b>28</b>	<b>5</b>		<b>151</b>	<b>3689</b>	
<b>% By Category</b>		<b>92</b>						<b>1</b>			<b>3</b>			<b>4</b>		
<b>Angevin Town</b>																
Southampton, Hampshire	145	73	104	3					2	6	2	2		1	338	Noddle, 1975b
Quilter's vault, Hampshire	412	448	118	1				1	0	20	5	1			1006	Bourdillon, 1979
Exeter, Devon	2108	2320	763	9	3	5		1	30	352	135	3		41	5770	Maltby, 1979a
West Gate Gloucestershire	162	91	84							29	9			4	379	Maltby, 1979b
Winchcombe, Gloucestershire	141	185	55		2					11					394	Levitan, 1985
Hereford city, Herefordshire	1006	310	185	20	4	2				13	7	1		1	1549	Noddle, 1985a
Bath, Avon	166	369	76	1		3							26		641	Grant, 1979
George Street, Buckinghamshire	21	28	21							100	1				171	Jones, 1983
St Ebbes, Oxfordshire	1205	2499	580	5	5	5		1	5						4305	Wilson and Locker, 1989
Newbury, Berkshire	229	168	125					13	1	80	37	3		8	664	Coy, 1996
Stert Street, Oxfordshire	46	110	42							39	35				272	Wilson, 1979
St Aldates, Oxfordshire	177	66	19							23	8				293	Marples, 1977
Brandon Road, Suffolk	1051	1066	411	1					4	98	33	5		2	2671	Jones, 1993
St Martins-at-palace plain, Norfolk	2040	1801	1433	4	7	9		2	30	1400					6726	Cartledge, 1987
Alms Lane, Norfolk	80	77	25			1		1	1	28					213	Cartledge, 1985
Lincoln city, Lincolnshire	218	143	42	1						9	31			3	447	Dobney <i>et al.</i> , 1995
General Accident, Yorkshire	4640	1338	732	20	7			2		192	52	4		43	7030	O'Connor, 1988
Lurk Lane, Yorkshire	1068	1339	500			75		2	2	8	220	100	2	30	3346	Scott, 1991
<b>Total</b>	<b>14915</b>	<b>12431</b>	<b>5315</b>	<b>65</b>	<b>28</b>	<b>100</b>		<b>4</b>	<b>21</b>	<b>81</b>	<b>2620</b>	<b>455</b>	<b>21</b>	<b>26</b>	<b>133</b>	<b>36215</b>
<b>% By Category</b>		<b>90</b>						<b>1</b>			<b>8.6</b>			<b>0.4</b>		

Appendix Ia: Total Fragment Counts (Excluding Fish) by Period and Site Type

Site	Domestic Mammals			Wild Mammals						Domestic Birds				Wild Bird	Total	Reference	
	cattle	sheep	pig	red	roe	fallow	deer'	boar	rabbit	hare	fowl	goose	duck				bird
<b>Angevin High Status</b>																	
North Elmham, Norfolk	1025	1063	1225	71	6	22			3	3	10	4	1	7	3440	Noddle, 1980	
Lewes Castle, Sussex	81	240	278	20	18				1					16	638	collected personally	
Guildford Castle, Surrey	99	196	70	2	1	4			1	4	19			19	412	Sykes, forthcoming	
Portchester, Hampshire	192	159	88	9		7					139	12	4	19	629	Grant, 1977	
Ramsbury, Wiltshire	99	96	44											6	245	Coy, 1980	
Trowbridge, Wiltshire	305	339	213	13	3	5				4	33	9		7	931	Bourdillon, 1993	
Oakhampton, Devon	382	422	538	112	36	48				24	178	15	4	26	1785	Maltby, 1982	
Launceston Castle, Cornwall	33	24	42	4	2				1		11	3		3	123	Albarella and Davis, 1996	
Banbury Castle, Oxfordshire	48	67	42		2				9	4	41	6	1	2	222	Wilson, 1976	
Castle Rising, Norfolk	402	297	521	2	9	152			333	96	952	291	5	265	3325	Jones <i>et al.</i> , 1997	
Castle Mall, Norfolk	171	144	62			1			5	2	83	18	3	2	491	Albarella <i>et al.</i> , 1997	
Sandal Castle, Yorkshire	99	49	33	11		115									307	Griffith <i>et al.</i> , 1983	
<b>Total</b>	<b>2936</b>	<b>3096</b>	<b>3156</b>	<b>244</b>	<b>77</b>	<b>354</b>	<b>0</b>		<b>353</b>	<b>137</b>	<b>1466</b>	<b>358</b>	<b>18</b>	<b>6</b>	<b>347</b>	<b>12548</b>	
<b>% By Category</b>		<b>73</b>				<b>9</b>					<b>15</b>			<b>3</b>			
<b>Angevin Religious House</b>																	
Austin Friars, Leicestershire	388	1925	717	2		115			3	5	246	232	17	21	3671	Thawley, 1981	
Battle Abbey, Sussex	83	20	31						1	1	4	1		2	143	Locker, 1985	
Lewes Friary, Sussex	385	754	314				29		8						1490	Collected personally	
St Gregory's Priory, Kent	67	117	83	3	1	1			1	1				90	364	Powell and Serjeantson forthcoming	
Dominican Priory, Oxfordshire	213	194	42		1					2	65	72			589	Harman, 1985a	
Dean Court, Oxfordshire	187	278	43								15	6		1	530	Jones, 1994b	
Eynsham Abbey, Oxfordshire	471	466	541	15	33	1				43	133	68	6	21	1798	Serjeantson <i>et al.</i> , forthcoming	
Dominican Friary, Chester	210	67	148				5			2	12	1		12	457	Morris, 1990	
Fishergate, Yorkshire (Phase 6)	863	476	137								136	36	1	19	1668	O'Connor, 1991	
<b>Total</b>	<b>2867</b>	<b>4297</b>	<b>2056</b>	<b>20</b>	<b>35</b>	<b>117</b>	<b>34</b>		<b>13</b>	<b>54</b>	<b>611</b>	<b>416</b>	<b>24</b>	<b>90</b>	<b>76</b>	<b>10710</b>	
<b>% By Category</b>		<b>86</b>				<b>2.5</b>					<b>10.7</b>			<b>0.8</b>	<b>100</b>		

Appendix Ia: Total Fragment Counts (Excluding Fish) by Period and Site Type

French Sites																	
Site	Domestic Mammals			Wild Mammals						Domestic Birds				Wild Bird	Total	Reference	
	cattle	sheep	pig	red	roe	fallow	deer'	boar	rabbit	hare	fowl	goose	duck				bird
<b>Village</b>																	
Dury, Somme	241	161	85							16	1	1			505	Yvinec, 1999	
<b>% By Category</b>	<b>96</b>									<b>4</b>							
<b>Town</b>																	
Saint-Denis, Paris. ditch 14 771	103	232	257					40		49	9		97	77	864	Morel, 1985	
Saint-Denis, Paris. ditch 14 779	44	123	196						1	30	8		102	23	527	Morel, 1985	
Saint-Denis, Paris. ditch 14 806	69	98	172						3	31	15		97	18	503	Morel, 1985	
Saint-Denis, Paris. ditch 14 807	130	82	171							23	2		31	6	445	Morel, 1985	
Saint-Denis, Paris. ditch 14925	101	220	283							38	3		126	31	802	Morel, 1985	
Saint-Denis, Paris. ditch 14952	60	503	158							50	101		138	83	1093	Morel, 1985	
Rue de Lutece, Paris. 9th century	22	35	63							6	1			10	137	Audoin-Rouzeau, 1989	
Rue de Lutece, Paris. 10th century	230	745	497	2				5					140		1619	Audoin-Rouzeau, 1989	
Rue de Lutece, Paris. 12th century	162	522	121							147	120		194	26	1292	Audoin-Rouzeau, 1989	
Rue de Lutece, Paris. 12th century	269	497	597		1			2	9	274	65		151	20	1885	Audoin-Rouzeau, 1989	
Rue de Lutece, Paris. 12th/13th	46	35	149					1		22	2		7	5	267	Audoin-Rouzeau, 1989	
Rue de Lutece, Paris. 12th/13th	35	92	58					1		45	9		24	8	272	Audoin-Rouzeau, 1989	
Compiègne, Oise Phase I-III	163	86	129	6				7		2	5				398	Yvinec, 1997	
Compiègne, Oise Phase IV	83	119	297	6				1	2	49	21			6	584	Yvinec, 1997	
Compiègne, Oise Phase V	385	372	1056	25	1			14	4	24	20			8	1909	Yvinec, 1997	
Compiègne, Oise Phase VI	121	285	1069	16	3			42	3	160	15	2		3	1719	Yvinec, 1997	
Compiègne, Oise US 1622	33	75	412					4	1	197	13	3		10	748	Yvinec, 1997	
Compiègne, Oise US 1460	116	42	249	1				1		80	3	6		5	503	Yvinec, 1997	
<b>Total</b>	<b>2172</b>	<b>4163</b>	<b>5934</b>	<b>56</b>	<b>5</b>			<b>69</b>	<b>43</b>	<b>29</b>	<b>1227</b>	<b>412</b>	<b>11</b>	<b>1107</b>	<b>339</b>	<b>15567</b>	
<b>% By Category</b>	<b>79</b>							<b>1</b>		<b>18</b>				<b>2</b>			
<b>High Status</b>																	
Chateau de Mayenne, Manche	1063	597	1778	33				300					522		4293	Powell, 1998	
Chateau de Mayenne, Manche	89	42	106	2				8					54		301	Powell, 1998	
Vatteville-la-Rue, Seine Maritime	103	72	221	59	21				1	3	164	7		10	661	Collected personally	
Grand Besle, Normandy	34	35	208	1					1	4	62	4		12	361	Lepiksaar, 1966-68	
Compiègne, Oise Phase VII	73	75	347	6	1			12	1	4	4			2	525	Yvinec, 1997	
Compiègne, Oise US 1056	53	110	413	5	5			17		32	2	2		3	642	Yvinec, 1997	
Douai, Nord	473	866	2136	8	12				10	667	34	47		62	4315	Vadet, 1986	
<b>Total</b>	<b>1888</b>	<b>1797</b>	<b>5209</b>	<b>114</b>	<b>39</b>			<b>337</b>	<b>2</b>	<b>18</b>	<b>929</b>	<b>51</b>	<b>49</b>	<b>576</b>	<b>89</b>	<b>11098</b>	
<b>% By Category</b>	<b>80</b>							<b>5</b>		<b>14</b>				<b>1</b>			
<b>Religious House</b>																	
Charite-sur-Loire, Nièvre	842	1092	1460					23		30	1518	589	71		200	5975	Audoin, 1984
Compiègne, Oise US1505	144	119	302	5	6				1	10	88	13	2		7	697	Yvinec, 1997
<b>Total</b>	<b>986</b>	<b>1211</b>	<b>1762</b>	<b>5</b>	<b>6</b>			<b>23</b>	<b>1</b>	<b>30</b>	<b>1606</b>	<b>602</b>	<b>73</b>	<b>207</b>	<b>6672</b>		
<b>% By Category</b>	<b>59</b>							<b>4</b>		<b>34</b>				<b>3</b>			

Appendix Ibi: Relative Frequencies of the Main Domesticates, by Period and Site Type

Site	Cattle nisp %		Sheep nisp %		Pig nisp %		Reference	
<b>Early/Middle Saxon Village (n=22)</b>								
Bishopstone, Sussex		53		42		5	Gebbles, 1977	
Cassington, Oxfordshire		51		14		35	Wilson, 1962	
Shaken-Oak, Oxfordshire	86	83	17	16	1	1	Jewel, 1968	
Shaken-Oak, Oxfordshire	802	29	1347	48	641	23	Brodrribb <i>et al</i> , 1972	
Old Erringham, Sussex	96	41	107	46	30	13	Westly, 1980	
Cadbury Congresbury, Somerset	612	39	151	25	533	36	Noddle, 1970	
Poundbury, Dorset	57	33	89	52	25	15	Buckland-Wright, 1987	
Bantham, Devon	400	43	337	37	183	20	Coy, 1981	
Latimer, Buckinghamshire	196	82	18	8	24	10	Hamilton, 1971	
Sandtun, Kent	71	39	96	52	16	9	Clutton-Brock, 1976	
Chichley, Buckinghamshire	70	37	106	56	13	7	Jones, 1980	
New Wintles, Oxfordshire	435	53	281	35	104	12	Noddle, 1975a	
Riby Cross Roads, Yorkshire	902	60	546	35	70	5	Scott, 1994	
Mucking, Essex	322	62	66	12	135	26	Done, n.d.	
Spong Hill, Norfolk	634	87	75	10	22	3	Bond, 1995	
West Stow, Suffolk	7873	34	11148	49	3903	17	Crabtree, 1990	
Bonnars lane, Leicestershire	45	27	47	29	73	44	Baxter, 1993	
Marefair, Northamptonshire	75	39	62	32	55	29	Harman, 1979a	
Marefair, Northamptonshire	118	38	114	37	75	25	Harman, 1979a	
Nettleton, Lincolnshire	461	84	52	10	33	6	Berg, 1993	
Crossgates, Yorkshire		86				14	Rutter <i>et al</i> 1958	
Sedgeford, Norfolk	199	29	430	63	55	8	Clutton-Brock, 1976	
<b>Average %</b>		<b>51</b>		<b>32</b>		<b>17</b>		
<b>Early/Middle Saxon Town (n=14)</b>								
Abbots Worthy, Hampshire		502	48	443	42	108	10	Coy, 1987
Hamwih, Hampshire	23896	53	14606	32	6953	15	Bourdillon and Coy, 1980	
Maiden Lane, London	2898	55	861	16	1547	29	West and Rackham, 1993a	
Jubilee Hall, London	843	55	336	22	365	23	West and Rackham, 1993a	
Peaody Buildings, London	63	30	76	36	71	34	West and Rackham, 1993b	
National Gallery, London	475	30	661	41	470	29	West and Rackham, 1993b	
Audlett Drive, Oxfordshire	91	53	67	39	15	8	Levitan, 1992	
St Aldates, Oxfordshire	91	42	109	52	18	9	Marples, 1977	
Brandon Road, Norfolk	1427	66	1050	26	483	8	Jones, 1993	
Caister-On-Sea, Norfolk	305	62	108	22	77	16	Harman, 1993	
Redcastle Furze, Norfolk	407	50	301	37	105	13	Wilson, 1995	
Ipswich, Suffolk	4282	45	2206	23	3130	32	Crabtree, 1996	
Ipswich, Suffolk	3408	48	1809	25	1973	27	Jones and Serjeantson, 1983	
Fishergate, Yorkshire	8296	64	3421	26	1295	10	O'Connor, 1991	
<b>Average %</b>		<b>50</b>		<b>31</b>		<b>19</b>		
<b>Early/Middle High Status (n=13)</b>								
Boltophs, Sussex	113	42	55	21	98	37	Stevens, 1990	
Ramsbury, Wiltshire	339	40	247	30	249	30	Coy, 1980	
Portchester Castle, Hampshire Castle	553	62	197	22	138	16	Grant, 1975b	
Portchester Castle, Hampshire Castle	5074	54	2695	28	1719	18	Grant, 1975b	
Canterbury Cathedral, Kent	601	70	92	11	163	19	Driver, 1990	
St Albans, Hertfordshire	136	18	84	12	510	70	Crabtree, 1983	
Brandon, Suffolk	13441	29	24562	52	9121	19	Crabtree, 1996	
Wicken Bonhunt, Essex	5138	17	3858	13	20954	70	Crabtree, 1996	
Lake End Road, Essex	2108	51	704	17	1288	31	Powell, 1999	
Lot's Hole, Essex	196	51	111	29	78	20	Powell, 1999	
North Elmham, Norfolk	2424	33	2808	38	2182	29	Noddle, 1980	
Saxon Palaces, Northamptonshire	91	25	186	52	81	23	Harman, 1985b	
Saxon Palaces, Northamptonshire	103	22	290	63	70	15	Harman, 1985b	
<b>Average %</b>		<b>39</b>		<b>30</b>		<b>31</b>		

Appendix Ibi: Relative Frequencies of the Main Domesticates, by Period and Site Type

Site	Cattle nisp %		Sheep nisp %		Pig nisp %		Reference
<b>Late Saxon Village (n=10)</b>							
Mawgan Porth, Cornwall	506	45	577	53	37	3	Clutton-Brock, 1997
Walton, Buckinghamshire	603	42	497	35	331	23	Noddle, 1976
Walton Lodge, Buckinghamshire	141	37	175	46	65	17	Sadler, 1989
Wharram Percy, Yorkshire	299	39	401	52	69	9	Stevens, 1992
Marefair, Northamptonshire	130	42	122	40	55	18	Harman, 1979a
West Cotton, Northamptonshire	46	42	35	32	28	26	Albarella and Davis, 1994
Brixworth, Northamptonshire	177	39	224	49	56	12	Coy <i>et al.</i> , 1977
Goltho, Lincolnshire	103	71	32	22	10	7	Jones <i>et al.</i> , 1987
Whitehall, London		42		39		19	Chaplin, 1977
Maxey, Northamptonshire	194	44	191	43	59	13	Seddon <i>et al.</i> , 1964
<b>Average %</b>		<b>44</b>		<b>41</b>		<b>15</b>	
<b>Late Saxon Town (n=35)</b>							
Hereford City, Herefordshire	1648	64	433	17	492	19	Noddle, 1985a
Friars Street, Droitwich	140	49	103	30	93	21	Locker, 1992
Westgate, Gloucestershire	62	35	68	38	49	27	Maltby, 1979b
Winchcombe, Gloucestershire	343	37	512	55	76	8	Levitan, 1985
Upwich, Hereford and Worcester	56	20	212	74	18	6	Meddens, 1997
Winchester, Hampshire	1411	43	1176	36	670	21	Bourdillon, 1992
Victoria Road, Hampshire	152	29	301	58	63	12	Serjeantson, 2000
Steyning, Sussex	192	23	550	67	84	10	Collected personally
Bath, Avon	143	38	183	48	51	13	Grant, 1979
St Aldates, Oxfordshire	143	41	159	45	51	14	Marples, 1977
St Ebbes, Oxfordshire	536	25	1251	58	380	18	Locker, 1989
Ipswich, Suffolk	398	63	114	18	119	19	Jones and Serjeantson, 1983
Brandon Road, Norfolk	1757	48	1574	36	687	16	Jones, 1993
Fishergate, Norfolk	543	75	80	11	99	14	Jones, 1994a
Fishergate, Norfolk	350	58	142	23	117	19	Jones, 1994a
Thetford 1092, Norfolk	919	47	650	33	394	20	Jones, 1984
Mill Lane, Thetford, Norfolk	548	46	336	28	318	26	Albarella, 1999
St Nicholas Street, Norfolk	112	58	58	30	21	11	Hutton-MacDonald, 1999
White Friars, Norfolk	144	39	137	37	89	24	Cartledge, 1994
St Martin, Norfolk	1524	41	1102	29	1140	30	Cartledge, 1981
Redcastle Furze, Norfolk	143	46	106	34	61	20	Wilson, 1995
St Peters Street, Northamptonshire	162	34	228	48	88	18	Harman, 1979b
Woolmonger Street, Northamptonshire		39		52		9	Armitage, 1999
Coppergate, Yorkshire	2256	73	616	20	229	7	O'Connor, 1989a
Coppergate, Yorkshire	1171	64	777	28	230	8	O'Connor, 1989a
Coppergate, Yorkshire	3768	59	1870	30	702	11	O'Connor, 1989a
Coppergate, Yorkshire	3380	65	1007	20	804	15	O'Connor, 1989a
Coppergate, Yorkshire	7257	57	2754	22	2623	21	O'Connor, 1989a
Skeldergate, Yorkshire	460	81	72	13	35	6	O'Connor, 1984
Skeldergate, Yorkshire	354	66	129	24	53	10	O'Connor, 1984
Lurk Lane, Yorkshire	2162	59	882	24	614	17	Scott, 1991
Lurk Lane, Yorkshire	1921	59	651	20	649	20	Scott, 1991
Eastgate, Yorkshire	234	61	104	27	47	12	Scott, 1992
Lincoln City, Lincolnshire	1037	61	449	27	203	12	Dobney <i>et al.</i> , 1995
Flaxengate, Lincolnshire	11301	58	6106	31	2174	11	O'Connor, 1982a
<b>Average %</b>		<b>50</b>		<b>34</b>		<b>16</b>	
<b>Late Saxon High Status (n=17)</b>							
Canterbury Castle, Kent	78	33	91	39	65	28	King, 1982
Canterbury Cathedral, Kent	333	51	163	25	153	24	Driver, 1990
Facombe Netherton, Hampshire	284	25	449	39	405	36	Sadler, 1990
Portchester Castle, Hampshire	1029	50	626	31	385	19	Grant, 1975b
Cheddar Palaces, Somerset	416	45	212	23	291	32	Higgs and Greenwood, 1979

Appendix Ibi: Relative Frequencies of the Main Domesticates, by Period and Site Type

Site	Cattle nisp %		Sheep nisp %		Pig nisp %		Reference
<b>Late Saxon High Status Continued</b>							
Cheddar Palaces, Somerset	1390	43	852	26	997	31	Higgs and Greenwood, 1979
Ramsbury, Wiltshire	447	40	307	29	353	29	Coy, 1980
Trowbridge, Wiltshire	718	49	415	28	342	23	Bourdillon, 1993
Bristol Castle, Avon	150	46	86	26	92	28	Noddle cited in Levitan, 1987
Eynsham Abbey, Oxfordshire	260	31	322	38	261	31	Serjeantson et al forthcoming
Morison Hall, Cleevecland	36	18	146	74	16	8	Gidney, 1990
North Elmham, Norfolk	1046	31	1503	45	827	24	Noddle, 1980
Castle Mall, Norfolk	541	51	236	22	277	26	Alberella <i>et al.</i> , 1997
St Albans, Hertfordshire	104	15	102	14	506	71	Crabtree, 1983
Saxon Palaces, Northamptonshire	733	39	785	42	349	19	Harman, 1985b
Goltho, Lincolnshire	234	42	152	27	177	31	Jones and Ruben, 1987
Jarrow, Northumberland	319	65	106	22	63	13	Noddle, 1987
<b>Average %</b>	<b>40</b>		<b>32</b>		<b>28</b>		
<b>Norman Village (n=8)</b>							
Postern Mill, Wiltshire		53		20		27	Currie, 1993
Eckweek, Avon	72	22	230	71	24	7	Davis, 1991
Walton Vicarage, Buckinghamshire	726	36	871	44	396	20	Noddle, 1976
Walton Road, Buckinghamshire	54	31	94	54	26	15	Sadler, 1989
Walton Road, Buckinghamshire	78	34	120	52	31	14	Sadler, 1989
Brighton Hill South, Hampshire	198	45	144	33	98	22	Coy, 1988
West Cotton, Northamptonshire	760	44	658	38	318	18	Albarella and Davis, 1994
Marefair, Northamptonshire	110	49	63	28	50	22	Harman, 1979a
<b>Average %</b>	<b>39</b>		<b>43</b>		<b>18</b>		
<b>Norman Town (n=43)</b>							
Bath, Avon	1023	42	1115	46	292	12	Grant, 1979
Friars Street, Droitwich	257	49	159	30	110	21	Locker, 1992
Ilchester, Somerset	1483	44	1614	48	250	8	Levitan, 1982
North Street, Sussex		27		53		20	Collected personally
Winchester, Hampshire		36		50		14	Bourdillon, 1992
Winchester, Hampshire		41		35		24	Bourdillon, 1992
Winchester, Hampshire		31		59		10	Bourdillon, 1992
Exeter GS I-II, Devon	320	46	265	38	113	15	Maltby, 1979a
Exeter GS III, Devon	415	46	326	36	161	18	Maltby, 1979a
Trickhay, Devon	821	46	683	38	295	16	Maltby, 1979a
High St, Exeter, Devon		51		28		21	Maltby, 1979a
Billingsgate, London	29	36	38	47	14	17	Armitage, 1978
St Magnus, London 1050-1100	363	57	139	22	132	21	Armitage, 1979
St Magnus, London E12th	133	28	206	44	132	29	Armitage, 1979
Newbury, Berkshire	59	35	69	40	42	25	Coy, 1996
St Aldates, Oxfordshire	53	31	100	58	18	11	Marples, 1977
St Ebbes, Oxfordshire	410	27	844	56	249	17	Wilson and Locker, 1989
St Ebbes, Oxfordshire	36	32	61	54	15	13	Wilson and Locker, 1989
St Ebbes, Oxfordshire	68	15	294	66	84	19	Wilson and Locker, 1989
St Ebbes, Oxfordshire	608	21	1673	58	589	20	Wilson and Locker, 1989
St Ebbes, Oxfordshire	248	25	596	60	157	15	Wilson and Locker, 1989
Culver Street, Colchester	125	51	53	21	68	28	Luff, 1993
Ipswich, Suffolk	295	54	121	22	132	24	Jones and Serjeantson, 1983
Brandon Road, Norfolk	1757	44	1577	39	687	17	Jones, 1993
Fishergate, Norfolk	774	64	219	18	223	18	Jones, 1994a
Fishergate, Norfolk	178	53	90	27	66	20	Jones, 1994a
White Friars, Norfolk	412	46	269	30	216	24	Cartledge, 1994
St Nicholas Street, Norfolk	838	39	937	43	382	18	Hutton-MacDonald, 1999
St Martin, Norfolk	953	41	702	30	660	29	Cartledge, 1981
Redcastle Furze, Norfolk	313	37	386	45	149	18	Wilson, 1995
Kings Lynn, Norfolk	603	36	715	43	350	21	Noddle, 1977

Appendix Ibi: Relative Frequencies of the Main Domesticates, by Period and Site Type

Site	Cattle nisp %		Sheep nisp %		Pig nisp %		Reference
<b>Norman Town Continued</b>							
Woolmongers Street, Northamptonshire		44		48		7	Armitage, 1999
Lincoln City, Lincolnshire	88	39	110	49	26	12	Dobney <i>et al.</i> , 1995
Flaxengate, Lincolnshire	8521	47	7593	42	2028	11	O'Connor, 1982a
Skeldergate, Yorkshire SkN	289	80	55	15	18	5	O'Connor, 1984
Skeldergate, Yorkshire SkZ	585	62	261	28	81	9	O'Connor, 1984
Skeldergate, Yorkshire SkK	349	58	193	32	60	10	O'Connor, 1984
General Accident, Yorkshire	139	65	41	19	33	15	O'Connor, 1988
Coppergate, Yorkshire 5Cf 1 and 2	1096	63	384	22	255	15	O'Connor, 1989a
Fishergate, Yorkshire	1025	53	660	34	237	12	O'Connor, 1991
Eastgate, Yorkshire (Phase 3)	206	55	122	32	46	12	Scott, 1992
Eastgate, Yorkshire (Phase 4)	741	34	126	56	210	10	Scott, 1992
Lurk Lane, Yorkshire	2535	46	1887	34	1061	19	Scott, 1991
<b>Average %</b>		<b>44</b>		<b>39</b>		<b>17</b>	
<b>Norman High Status (n=27)</b>							
Pevensey Castle, Sussex	291	29	366	37	341	34	Powell and Serjeantson forthcoming
Guildford Castle, Surrey	79	30	126	47	62	23	Collected personally
Canterbury Cathedral, Kent	1227	49	823	33	365	18	Driver, 1990
Carisbrooke Castle, Isle of Wight	87	11	425	51	318	38	Smith, 1994
Carisbrooke Castle, Isle of Wight	46	22	50	24	116	54	Smith, 1994
Carisbrooke Castle, Isle of Wight	26	15	55	32	90	53	Smith, 1994
Carisbrooke Castle, Isle of Wight	162	16	352	35	506	50	Smith, 1994
Facombe Netherton, Hampshire	333	28	372	32	471	40	Sadler, 1990
Portchester Castle, Hampshire	136	47	78	27	77	27	Grant, 1977
Cheddar Palaces, Somerset	274	64	95	22	57	13	Higgs and Greenwood, 1979
Wirral Park, Somerset	175	30	236	40	180	30	Darvill and Coy, 1977
Yatesbury, Wiltshire		36		44		20	Collected personally
Trowbridge, Wiltshire	619	36	771	44	342	20	Bourdillon, 1993
Launceston Castle, Cornwall	54	31	59	34	62	35	Albarella and Davis, 1996
Middleton Stony, Oxfordshire	78	24	123	37	129	39	Levitan, 1984a
Oxfordshire Castle, Oxfordshire	165	27	328	54	108	18	Marples, 1976
Banbury Castle, Oxford	158	50	79	25	78	25	Gamble, 1983
Eynsham Abbey, Oxfordshire	1432	39	908	25	1325	36	Serjeantson <i>et al.</i> , forthcoming
Bristol Castle, Avon	1237	39	972	31	959	30	Noddle, cited in Levitan 1987a
Castle Rising Castle, Norfolk	68	35	66	34	59	31	Albarella <i>et al.</i> , 1997
North Elmham, Norfolk	290	32	291	32	321	36	Noddle, 1980
Castle Mall, Norfolk	446	51	208	24	216	25	Albarella <i>et al.</i> , 1997
Saxon Palaces, Northamptonshire	48	39	60	42	18	19	Harman, 1979b
Goltho, Lincolnshire	146	24	328	55	127	21	Jones and Ruben, 1987
Sandal Castle, Yorkshire	31	28	16	15	64	57	Griffith <i>et al.</i> , 1983
Prudhoe Castle, Northumberland	192	54	147	41	16	5	Davis, 1987
Jarrow, Northumberland	218	40	167	31	159	29	Noddle, 1987
<b>Average %</b>		<b>34</b>		<b>35</b>		<b>31</b>	
<b>Angevin Village (n=10)</b>							
Postern Mill, Wiltshire		51		29		20	Currie, 1993
Walton Vicarage, Buckinghamshire	645	37	827	47	292	16	Noddle, 1976
Walton Road, Buckinghamshire	22	38	22	38	14	24	Sadler, 1989
Upton, Gloucestershire	106	18	452	78	23	4	Noddle, 1969
Brighton Hill South, Hampshire	296	36	404	49	126	15	Coy, 1988
West Cotton, Northamptonshire	760	44	658	38	318	18	Albarella and Davis, 1994
Lydden, Northamptonshire	122	33	161	44	82	23	Grant, 1971
Marefair, Northamptonshire	193	25	484	64	80	11	Harman, 1979a
Brixworth, Northamptonshire	371	28	773	59	162	12	Coy <i>et al.</i> , 1977
Castle Lane, Northamptonshire	455	31	904	61	123	8	Jones <i>et al.</i> , 1985
<b>Average %</b>		<b>34</b>		<b>51</b>		<b>15</b>	



Appendix Ibi: Relative Frequencies of the Main Domesticates, by Period and Site Type

Site	Cattle		Sheep		Pig		Reference
	nisp	%	nisp	%	nisp	%	
<b>Angevin Town (n=33)</b>							
Steyning, Sussex	186	52	112	31	62	17	
North Street, Sussex	161	27	316	52	123	20	Collected personally
Bell Street, Surrey	75	36	99	47	35	17	Isles <i>et al.</i> , 1995
Southampton, Hampshire	145	45	73	23	104	32	Noddle, 1975b
Bath, Avon	166	27	369	60	76	12	Grant, 1979
Quilters Vault, Hampshire	412	43	442	45	118	12	Bourdillon, 1979
Mary-Le-Port, Avon	660	48	715	43	133	9	Noddle, 1985b
Priory Barn, Somerset		32		59		9	Levitan, 1984b
Exeter, Devon	114	48	124	42	59	20	Maltby, 1979a
Exeter, Devon	257	35	349	47	135	18	Maltby, 1979a
George Street, Buckinghamshire	313	45	277	40	106	15	Jones, 1983
Cheap Sreet, Berkshire	96	27	205	58	52	15	Coy, 1986
Newbury, Berkshire	230	37	302	49	86	14	Coy, 1996
St Aldates, Oxfordshire	260	38	382	55	46	7	Marples, 1977
Old Gaol sites, Oxfordshire	84	39	107	50	24	11	Wilson, 1975
The Hamel, Oxfordshire	257	30	435	51	158	19	Wilson, 1980
Stert Street, Oxfordshire	46	23	110	56	42	21	Wilson, 1979
Queens Street, Oxfordshire	63	40	69	44	26	16	Wilson <i>et al.</i> 1983
Hereford City, Hereford	1006	63	387	25	185	12	Noddle, 1985a
Friars Street, Droitwich	90	44	64	32	48	24	Locker, 1992
St Peters Lane, Leicestershire	490	43	468	41	174	15	Gidney, 1991
St Martin, Norfolk	2040	39	1801	34	1433	27	Cartledge, 1981
White Friars, Norfolk	59	39	57	37	37	24	Cartledge, 1994
Alms Lane, Norfolk	80	44	77	42	25	14	Cartledge, 1985
St Peters St, Northants	1042	30	2006	59	377	11	Harman, 1979b
Flaxengate, Lincoln	1022	49	813	39	240	12	O'Connor, 1982a
Lurk Lane, Yorkshire	1068	36	1339	46	500	17	Scott, 1991
Eastgate, Yorkshire	93	33	168	60	18	6	Scott, 1992
Eastgate, Yorkshire	300	27	725	65	83	7	Scott, 1992
Eastgate, Yorkshire	214	35	352	58	45	7	Scott, 1992
General Accident, Yorkshire	709	76	130	14	87	9	O'Connor, 1988
General Accident, Yorkshire	3350	68	988	20	569	12	O'Connor, 1988
General Accident, Yorkshire	581	66	219	25	76	9	O'Connor, 1988
<b>Average %</b>		<b>41</b>		<b>44</b>		<b>15</b>	
<b>AngevinHigh Stauts (n=24)</b>							
Bramber Castle, Sussex	274	39	182	25	254	36	Westley, 1977
Lewes Friary, Sussex	385	26	754	51	314	21	Collected personally
Lewes Castle, Sussex	81	12	240	37	278	42	Collected personally
Guildford Castle, Surrey	99	27	196	54	70	19	Collected personally
St Gregorys Priory, Kent	67	25	117	44	83	31	Powell and Serjeantson, forthcoming.
Canterbury Cathedral, Kent	474	40	482	40	235	20	Driver, 1990
Canterbury Cathedral, Kent	1258	47	938	35	495	18	Driver, 1990
Portchester Castle, Hampshire	192	44	159	36	88	20	Grant, 1977
Trowbridge, Wiltshire	305	36	339	39	213	25	Bourdillon, 1993
Benhams Garage, Somerset	1346	48	1316	47	125	4	Levitan, 1984b
Ramsbury, Wiltshire	99	42	96	40	44	18	Coy, 1980
Greyfriars, Avon	168	44	166	44	47	12	Noddle, cited in Levitan 1987a
Oakhampton Castle, Devon	382	28	422	31	538	40	Maltby, 1982
Dominican Priory, Oxfordshire	213	47	194	43	42	9	Harman, 1985a
Dean Court, Oxfordshire	187	37	278	55	43	8	Jones, 1994b
Eynsham Abbey, Oxfordshire	471	32	466	32	541	37	Serjeantson <i>et al.</i> , forthcoming
Banbury Castle, Oxfordshire	48	30	67	43	42	27	Wilson, 1976
North Elmham, Norfolk	1025	31	1063	32	1225	37	Noddle, 1980
Castle Rising, Norfolk	402	33	297	24	521	43	Jones <i>et al.</i> , 1997
Castle Mall, Norfolk	171	47	133	36	62	17	Alberella <i>et al.</i> , 1997
Austin Friars, Leicester	388	13	1925	64	717	24	Thawley, 1981
Dominican Friary, Chester	210	49	67	16	148	35	Morris, 1990
Sandal Castle, Yorkshire	99	55	49	27	33	18	Griffith <i>et al.</i> , 1983
Fishergate, Yorkshire (Phase 6)	863	59	476	32	137	9	O'Connor, 1991
<b>Average %</b>		<b>37</b>		<b>39</b>		<b>23</b>	

Appendix Ibi: Relative Frequencies of the Main Domesticates, by Period and Site Type

Site	Cattle nisp %		Sheep nisp %		Pig nisp %		Reference
<b>Pre-conquest village (n=5)</b>							
Saleux, Somme HMA	404	54	225	30	124	16	Yvinec, 1999
Saleux, Somme IX-X	69	48	56	39	18	13	Yvinec, 1999
Villiers-le-sec		39		26		35	Audoin-Rouzeu, 1993
Villiers-le-sec		45		27		28	Audoin-Rouzeu, 1993
Villiers-le-sec		51		25		24	Audoin-Rouzeu, 1993
<b>Average %</b>		<b>47</b>		<b>29</b>		<b>23</b>	
<b>Post-conquest Village (n=2)</b>							
Saleux, Somme XI	89	49	70	38	23	13	Yvinec, 1999
Dury, Somme	297	50	198	33	105	17	Yvinec, 1999
<b>Average %</b>		<b>50</b>		<b>35</b>		<b>15</b>	
<b>Pre-conquest Town (n=8)</b>							
Amiens, Somme LHZ2	630	43	289	19	566	38	Yvinec, 1999
Amiens, Somme ALHZ4	45	40	50	44	18	16	Yvinec, 1999
Rue de Lutece, Paris	22	18	35	29	63	53	Audoin-Rouzeu, 1993
Rue de Lutece, Paris	230	15	745	51	497	34	Audoin-Rouzeu, 1993
Compiègne, Oise Phase I-III	163	43	86	23	129	34	Yvinec, 1997
Compiègne, Oise Phase IV	83	17	119	24	297	59	Yvinec, 1997
Compiègne, Oise Phase V	385	21	372	21	1056	58	Yvinec, 1997
Compiègne, Oise Phase VI	121	8	285	19	1069	73	Yvinec, 1997
<b>Average %</b>		<b>26</b>		<b>29</b>		<b>46</b>	
<b>Post-conquest Town (n=7)</b>							
Rue de Lutece, Paris	162	20	522	65	121	15	Audoin-Rouzeu, 1993
Rue de Lutece, Paris	269	20	497	36	597	44	Audoin-Rouzeu, 1993
Rue de Lutece, Paris	46	20	35	15	149	65	Audoin-Rouzeu, 1993
Parc St Julien, Nord		44		29		27	Lepetz <i>et al</i> , 1997
Parc St Julien, Nord		17		56		27	Lepetz <i>et al</i> , 1997
Compiègne, Oise US 1622	33	6	75	14	412	79	Yvinec, 1997
Compiègne, Oise US 1460	116	29	42	10	249	61	Yvinec, 1997
<b>Average %</b>		<b>22</b>		<b>32</b>		<b>45</b>	
<b>Pre-conquest High Status (n=2)</b>							
Chateau de Mayenne, Manche	21	30	15	17	91	52	Powell, 1998
Comble, Somme PII		32		30		38	Yvinec, 1999
<b>Average %</b>		<b>31</b>		<b>24</b>		<b>45</b>	
<b>Post-conquest High Status (n=10)</b>							
Compiègne, Oise Phase VII	73	15	75	15	347	70	Yvinec, 1997
Compiègne, Oise US 1056	53	9	110	19	413	72	Yvinec, 1997
Compiègne, Oise US1505	144	25	119	21	302	53	Yvinec, 1997
Douai, Nord	473	14	866	25	2136	61	Vadet, 1986
Charite-sur-Loire, Nièvre		24		31		46	Audoin, 1984
Chateau de Mayenne, Manche	998	33	537	18	1491	49	Powell, 1998
Chateau de Mayenne, Manche	59	16	54	15	244	68	Powell, 1998
Chateau de Mayenne, Manche	1	3	2	6	29	91	Powell, 1998
Grand Besle, Normandy	34	12	35	13	208	75	Lepiksaar, 1966-1968
Vatteville, Normandy	103	26	72	18	221	56	Collected personally
<b>Average %</b>		<b>18</b>		<b>18</b>		<b>64</b>	

Appendix Ibi: Relative Frequencies of the Main Domesticates, by Period and Site Type

<b>French Totals</b>			
<b>Village</b>	<b>Cattle</b>	<b>Sheep</b>	<b>Pig</b>
Pre-Conquest (n=5)	237	147	116
Post-Conquest (n=2)	99	71	30
<b>Average %</b>	<b>48</b>	<b>31</b>	<b>21</b>
<b>Town</b>			
Pre-Conquest (n=8)	205	230	365
Post-Conquest (n=7)	156	225	318
<b>Average %</b>	<b>24</b>	<b>30</b>	<b>46</b>
<b>High Status</b>			
Pre-Conquest (2)	62	47	90
Post-Conquest (10)	177	181	641
<b>Average %</b>	<b>20</b>	<b>19</b>	<b>61</b>

Appendix Ic: Total Fragment Counts and Relative Frequencies of Domestic Chickens, Geese and Ducks. By Period and Site type.

Site	fowl	goose	duck	Reference
<b>E/M Saxon Village</b>				
New Wintles, Oxfordshire	4	3		Noddle, 1975a
Riby Cross, Yorkshire	14	30		Scott, 1994
West Stow, Suffolk	521	285	27	Crabtree, 1990
<b>Total</b>	<b>539</b>	<b>318</b>	<b>27</b>	<b>884</b>
<b>%</b>	<b>61</b>	<b>36</b>	<b>3</b>	
<b>E/M Saxon Town</b>				
Abbots Worthy, Hampshire	70	17		Coy, 1987
Hamwih, Hampshire	800	353		Bourdillon and Coy, 1980
Maiden Lane, London	80	61	4	West and Rackham, 1993a
Jubilee Hall, London	24	14		West and Rackham, 1993a
Peabody Buildings, London	33	15	1	West and Rackham, 1993b
National Gallery, London	45	30	2	West and Rackham, 1993b
Audlett Drive, Oxfordshire	2	1		Levitani, 1992
St Aldates, Oxfordshire	6	1		Marples, 1977
Ipswich, Suffolk	513	129	9	Crabtree, 1996
Ipswich, Suffolk	397	176	11	Jones and Serjeantson, 1983
Caister-on-Sea, Norfolk	52	16	18	Harman, 1993
Redcastle Furze, Norfolk	19	5		Wilson, 1995
Fishergate, Yorkshire	603	222		O'Connor, 1991
<b>Total</b>	<b>2644</b>	<b>1040</b>	<b>45</b>	<b>3729</b>
<b>%</b>	<b>71</b>	<b>28</b>	<b>1</b>	
<b>E/M Saxon High Status</b>				
Boltophs, Bramber, Sussex	2	1		Stevens, 1990
Portchester, Hampshire	31	33	2	Grant, 1975b
Lake End Road, Essex	198	64	67	Powell, 1999
Lot's Hole, Essex	10	4	1	Powell, 1999
Saxon Palaces, Northampton	30	29	11	Harman, 1985b
Brandon, Suffolk	1306	964	755	Crabtree, 1996
<b>Total</b>	<b>1577</b>	<b>1095</b>	<b>836</b>	<b>3508</b>
<b>%</b>	<b>45</b>	<b>31</b>	<b>24</b>	
<b>E/M Saxon Religious House</b>				
North Elmham, Norfolk	37	18	5	Noddle, 1980
St Albans, Hertfordshire	23	11	3	Crabtree, 1983
Wicken Bonhunt, Essex	3082	2038	147	Crabtree, 1996
<b>Total</b>	<b>3142</b>	<b>2067</b>	<b>155</b>	<b>5364</b>
<b>%</b>	<b>59</b>	<b>38</b>	<b>3</b>	

Early/Middle Saxon Total				
<b>Total</b>	<b>7902</b>	<b>4520</b>	<b>1036</b>	<b>13458</b>
<b>%</b>	<b>59</b>	<b>34</b>	<b>7</b>	

Appendix Ic: Total Fragment Counts and Relative Frequencies of Domestic Chickens, Geese and Ducks. By Period and Site type.

Site	fowl	goose	duck	Reference
<b>Late Saxon Village</b>				
Steyning, Sussex	62	19	23	Collected personally
Wharram Percy, Yorkshire	96	8		Stevens, 1992
West Cotton, Northampton	5	4	1	Albarella and Davis, 1994
Goltho, Lincolnshire	2	3	1	Jones and Ruben, 1987
Walton, Buckingham	20	44		Noddle, 1976
<b>Total</b>	<b>185</b>	<b>78</b>	<b>25</b>	<b>288</b>
<b>%</b>	<b>64</b>	<b>27</b>	<b>9</b>	
<b>Late Saxon Town</b>				
Winchester, Hampshire	161	6	14	Bourdillon, 1992
Wincombe, Gloucestershire	36	5		Levitan, 1985
West Gate, Gloucestershire	3	3	1	Maltby, 1979b
Newbury, Berkshire	40	14	1	Coy, 1997
St Aldates, Oxfordshire	13	2		Marples, 1977
Hererford city, Hereford	58	4	1	Noddle, 1985a
Ipswich, Suffolk	24	5	3	Jones and Serjeantson, 1983
Brandon Road, Norfolk	100	35	15	Jones, 1993
St Nicholas' Street, Norfolk		1		Hutton-MacDonald, 1999
Mill Lane, Thetford, Norfolk	69	11	11	Albarella, 1999
Thetford 1092, Norfolk	29	13	3	Jones, 1984
Fishergate Norfolk	13	10	1	Jones, 1994a
Lincoln city, Lincolnshire	63	13		Dobney <i>et al.</i> , 1995
Coppergate, Yorkshire	1217	348	1	O'Connor, 1989a
Lurk Lane, Yorkshire	88	109	3	Scott, 1991
<b>Total</b>	<b>1914</b>	<b>579</b>	<b>54</b>	<b>2547</b>
<b>%</b>	<b>75</b>	<b>23</b>	<b>2</b>	
<b>Late Saxon Hi. Status</b>				
Portchester, Hampshire	511	147	62	Grant, 1975b
Facombe Netherton, Hampshire	61	15		Sadler, 1990
Trowbridge Castle, Wiltshire	20	7		Bourdillon, 1993
Castle Mall, Norfolk	191	22	9	Albarella <i>et al.</i> , 1997
Saxon Palaces, Northampton	113	68	19	Harman, 1985b
Goltho, Lincolnshire	36	15	5	Jones and Ruben, 1987
<b>Total</b>	<b>932</b>	<b>274</b>	<b>95</b>	<b>1301</b>
<b>%</b>	<b>72</b>	<b>21</b>	<b>7</b>	
<b>Late Sax. Religious House</b>				
Lewes Priory, Sussex	9			Stevens, 1997
North Elmham, Norfolk	44	16	2	Noddle, 1980
Westminster Abbey, Lodon	205	12	17	Rackham, 1994
Eynsham Abbey, Oxfordshire	29	11	9	Serjeantson <i>et al.</i> , forthcoming
St Albans Abbey, Hertfordshire	22	8	4	Crabtree, 1983
Jarrow, Northumberland	94	56	1	Noddle, 1987
<b>Total</b>	<b>403</b>	<b>103</b>	<b>33</b>	<b>539</b>
<b>%</b>	<b>75</b>	<b>19</b>	<b>6</b>	

<b>Late Saxon Total</b>				
<b>Total</b>	<b>3343</b>	<b>1015</b>	<b>192</b>	
<b>%</b>	<b>75</b>	<b>22</b>	<b>4</b>	

Appendix Ic: Total Fragment Counts and Relative Frequencies of Domestic Chickens, Geese and Ducks. By Period and Site type.

Site	fowl	goose	duck	Reference
<b>Norman Village</b>				
Brighton Hill South, Hampshire	6			Coy, 1995
West Cotton, Northamptonshire	68	40	21	Albarella and Davis, 1994
Walton Vicarage, Buckinghamshire	56	19	2	Noddle, 1976
<b>Total</b>	<b>130</b>	<b>59</b>	<b>23</b>	<b>212</b>
<b>%</b>	<b>61</b>	<b>28</b>	<b>11</b>	
<b>Norman Town</b>				
Kings Lynn, Norfolk	77	42	5	Noddle, 1977
North Street, Lewes, Sussex	200	13		Collected personally
Exeter, Devon	204	42	1	Maltby, 1979a
St Aldates, Oxfordshire	66	15		Marples, 1977
Newbury, Berkshire	37	8	2	Coy, 1996
Ipswich, Suffolk	32	13	3	Jones and Serjeantson, 1983
Brandon Road, Norfolk	166	69	8	Jones, 1993
St Nicholas Street, Norfolk	111	49	7	Hutton MacDonald, 1999
Fishergate Norfolk	113	33	4	Jones, 1994aa
Lincoln city, Lincolnshire	8	13		Dobney <i>et al.</i> , 1995
Coppergate, Yorkshire	50	15		O'Connor, 1989a
General Accident, Yorkshire	11	2		O'Connor, 1988
Fishergate, Yorkshire	159	40		O'Connor, 1991
Lurk Lane, Yorkshire	198	61	2	Scott, 1991
Eastgate, Yorkshire	855	662	131	Scott, 1992
<b>Total</b>	<b>2287</b>	<b>1077</b>	<b>163</b>	<b>3527</b>
<b>%</b>	<b>65</b>	<b>30</b>	<b>5</b>	
<b>Norman High Status</b>				
Boltophs, Bramber, Sussex	7			Stevens, 1990
Pevensey Castle, Sussex	49	28	10	Powell and Serjeantson, forthcoming
Bramber Castle, Sussex	87	7		Westley, 1977
Guildford Castle, Surrey	11			Sykes, forthcoming
Portchester, Hampshire	10			Grant, 1977
Facombe Netherton, Hampshire	629	164		Sadler, 1990
Trowbridge, Wiltshire	96	33		Bourdillon, 1994
Bristol Castle, Avon	252	555		Noddle, cited in Levitan, 1987a
Oxford Castle, Oxfordshire	29	2	1	Marples, 1976
Middleton Stoney, Oxfordshire	1055	98		Levitan, 1984a
Castle Rising, Norfolk	41	7	1	Jones <i>et al.</i> , 1997
Saxon Palaces, Northamptonshire	15	3	1	Harman, 1985b
Launceston Castle, Cornwall	5	1		Albarella and Davis, 1996
Castle Mall, Norfolk	99	30	9	Albarella <i>et al.</i> , 1997
North Elmham, Norfolk	14	9	2	Noddle, 1980
Golfho, Lincolnshire	58	47	4	Jones and Ruben, 1987
<b>Total</b>	<b>2457</b>	<b>984</b>	<b>28</b>	<b>3469</b>
<b>%</b>	<b>71</b>	<b>28</b>	<b>1</b>	
<b>Norman Religious House</b>				
Battle Abbey, Sussex		1		Locker, 1985
Eynsham Abbey, Oxfordshire	217	47	11	Serjeantson <i>et al.</i> , forthcoming
Jarrow, Northumberland	129	27	1	Noddle, 1987
<b>Total</b>	<b>346</b>	<b>75</b>	<b>12</b>	<b>433</b>
<b>%</b>	<b>80</b>	<b>17</b>	<b>3</b>	
<b>Norman Total</b>				
<b>Total</b>	<b>5220</b>	<b>2195</b>	<b>226</b>	<b>7641</b>
<b>%</b>	<b>68</b>	<b>29</b>	<b>3</b>	

Appendix Ic: Total Fragment Counts and Relative Frequencies of Domestic Chickens, Geese and Ducks. By Period and Site type.

Site	fowl	goose	duck	Reference
<b>Angevin Village</b>				
West Cotton, Northamptonshire	38	10	3	Albarella and Davis, 1994
Upton, Gloucestershire	8			Yealland and Higgs, 1966
Walton Vicarage, Buckinghamshire	31	18	2	Noddle, 1976
<b>Total</b>	<b>77</b>	<b>28</b>	<b>5</b>	<b>110</b>
<b>%</b>	<b>70</b>	<b>25</b>	<b>5</b>	
<b>Angevin Town</b>				
Southampton, Hampshire	6	2	2	Noddle, 1975b
Quilter's vault, Hampshire	20	5	1	Bourdillon, 1979
Exeter, Devon	352	135	3	Maltby, 1979a
West Gate Gloucestershire	29	9		Maltby, 1979b
Winchcombe, Gloucestershire	11			Levitan, 1985
Hereford city, Herefordshire	13	7	1	Noddle, 1985a
George Street, Buckinghamshire	100	1		Jones, 1983
Newbury, Berkshire	80	37	3	Coy, 1996
Stert Street, Oxfordshire	39	35		Wilson, 1979
St Aldates, Oxfordshire	23	8		Marples, 1977
Brandon Road, Norfolk	98	33	5	Jones, 1993
St Martins-at-palace plain, Norfolk	1400			Cartledge, 1987
Lincoln city, Lincolnshire	9	31		Dobney <i>et al.</i> , 1995
General Accident, Yorkshire	192	52	4	O'Connor, 1988
Lurk Lane, Yorkshire	220	100	2	Scott, 1991
<b>Total</b>	<b>2592</b>	<b>455</b>	<b>21</b>	<b>3068</b>
<b>%</b>	<b>84</b>	<b>15</b>	<b>1</b>	
<b>Angevin Hi Stat.</b>				
Baynard's Castle, London	419	205	32	Bramwell, 1975
North Elmham, Norfolk	10	4	1	Noddle, 1980
Guildford Castle, Surrey	19			Sykes, forthcoming
Portchester, Hampshire	139	12	4	Grant, 1977
Trowbridge, Wiltshire	33	9		Bourdillon, 1993
Oakhampton, Devon	178	15	4	Maltby, 1982
Launceston Castle, Cornwall	11	3		Albarella and Davis, 1996
Banbury Castle, Oxfordshire	41	6	1	Wilson, 1976
Castle Rising, Norfolk	952	291	5	Jones <i>et al.</i> , 1997
Castle Mall, Norfolk	83	18	3	Albarella <i>et al.</i> , 1997
<b>Total</b>	<b>1885</b>	<b>563</b>	<b>50</b>	<b>2498</b>
<b>%</b>	<b>75</b>	<b>23</b>	<b>2</b>	
<b>Angevin Religious House</b>				
Austin Friars, Leicestershire	246	232	17	Thawley, 1981
Battle Abbey, Sussex	4	1		Locker, 1985
Dean Court, Oxfordshire	15	6		Jones, 1994b
Dominican Priory, Oxford	65	72		Harman, 1985a
Eynsham Abbey, Oxfordshire	133	68	6	Serjeantson <i>et al.</i> , forthcoming
Dominican Friary, Chester	12	1		Morris, 1990
Fishergate, Yorkshire (phase 6)	136	36	1	O'Connor, 1991
<b>Total</b>	<b>611</b>	<b>416</b>	<b>24</b>	<b>1051</b>
<b>%</b>	<b>58</b>	<b>40</b>	<b>2</b>	
<b>Angevin Total</b>				
<b>Total</b>	<b>5168</b>	<b>1462</b>	<b>100</b>	<b>6730</b>
<b>%</b>	<b>77</b>	<b>22</b>	<b>1</b>	

Appendix Ic: Total Fragment Counts and Relative Frequencies of Domestic Chickens, Geese and Ducks. By Period and Site type.

French Sites				
Site	fowl	goose	duck	Reference
<b>Village</b>				
Dury, Somme	16	1	1	Yvinec, 1999
%	<b>89</b>	<b>5.5</b>	<b>5.5</b>	
<b>Town</b>				
Saint-Denis ditch 14 771	49	9		Morel, 1985
Saint-Denis ditch 14 779	30	8		Morel, 1985
Saint-Denis ditch 14 806	31	15		Morel, 1985
Saint-Denis ditch 14 807	23	2		Morel, 1985
Saint-Denis ditch 14925	38	3		Morel, 1985
Saint-Denis ditch 14952	50	101		Morel, 1985
Rue de Lutece 9th century	6	1		Audoin-Rouzeau, 1989
Rue de Lutece 10th century				Audoin-Rouzeau, 1989
Rue de Lutece 12th century	147	120		Audoin-Rouzeau, 1989
Rue de Lutece 12th century	274	65		Audoin-Rouzeau, 1989
Rue de Lutece 12th/13th	22	2		Audoin-Rouzeau, 1989
Rue de Lutece 12th/13th	45	9		Audoin-Rouzeau, 1989
Compiègne, Oise Phase I-III	2	5		Yvinec, 1997
Compiègne, Oise Phase IV	49	21		Yvinec, 1997
Compiègne, Oise Phase V	24	20		Yvinec, 1997
Compiègne, Oise Phase VI	160	15	2	Yvinec, 1997
Compiègne, Oise US 1622	197	13	3	Yvinec, 1997
Compiègne, Oise US 1460	80	3	6	Yvinec, 1997
<b>Total</b>	<b>1227</b>	<b>412</b>	<b>11</b>	<b>1650</b>
%	<b>74</b>	<b>25</b>	<b>1</b>	
<b>High Status</b>				
Chateau de Mayenne, Manche				Powell, 1998
Vatteville-la-Rue, Normandy	164	7		Collected personally
Grand Besle, Normandy	62	4		Lepiksaar, 1966-68
Compiègne, Oise Phase VII	4	4		Yvinec, 1997
Compiègne, Oise US 1056	32	2	2	Yvinec, 1997
Douai, Nord	667	34	47	Vadet, 1986
<b>Total</b>	<b>703</b>	<b>40</b>	<b>49</b>	<b>792</b>
%	<b>90</b>	<b>5</b>	<b>5</b>	
<b>Religious House</b>				
Saint Avit-Senieur, Dordogne	18			Gautier, 1972
Charite-sur-Loire, Nièvre	1518	589	71	Audoin, 1984
Compiègne, Oise US1505	88	13	2	Yvinec, 1997
<b>Total</b>	<b>1624</b>	<b>602</b>	<b>73</b>	<b>2299</b>
%	<b>71</b>	<b>26</b>	<b>3</b>	



Appendix Idi: Total Fragment Counts and Frequencies of Fish (as a percentage of the total assemblage) by Period and Site Type.

Site	Domestic Mammal	Wild Mammal	Domestic Bird	Wild Bird	Fish	Total	% Fish	Reference
<b>Town Sites</b>								
<b>Early/Middle Saxon (n=6)</b>								
Maiden Lane, London	5306	28	145	5	2945	8429	35	Locker, 1993a
Jubilee Hall, London	1544	7	38		200	1789	11	Locker 1993a
Peabody Buildings, London	210	2	49	47	186	494	38	Locker, 1993b
Hamwih, Hampshire	45455	20	1153	47	1290	47965	3	Bourdillon and Coy, 1980
Redcastle Furze, Norfolk	813		24	2	63	902	7	Nicholson, 1995
Fishergate, Yorkshire	13012	10	825	18	1126	14991	8	O'Connor, 1991
<b>Average %</b>							<b>17</b>	
<b>Late Saxon (n=6)</b>								
Thetford 1092, Norfolk	1963	4	45	7	162	2181	7	Jones, 1984
St Martins-at palace plain, Norfolk	3766	10			4097	7873	52	Locker, 1987
Fishergate Norfolk	1331	4	24		94	1453	6	Locker, 1994
Redcastle Furze, Norfolk	310	1			47	358	3	Nicholson, 1995
Lurk Lane, Yorkshire	6879	75	200	16	2	7172	0.02	Scott, 1991
Lincoln city, Lincolnshire	1689	5	76	5	1471	3246	45	Dobney <i>et al.</i> , 1995
<b>Average %</b>							<b>19</b>	
<b>Norman (n=7)</b>								
Exeter, Devon	4529	13	247	26	414	5229	8	Maltby, 1979a
Redcastle Furze, Norfolk	848	3			274	1125	24	Nicholson, 1995
St Martins-at-palace plain	2315	24			1154	3493	33	Locker, 1987
Fishergate, Yorkshire	1922	5	199	11	1995	4132	48	Locker, 1994
Lurk Lane, Beverley, Yorkshire	5483	59	261	23	23	5849	0.4	Scott, 1991
Eastgate, Beverley, Yorkshire	8176	43	1648	34	3519	13420	26	Scott, 1992
Lincoln city, Lincolnshire	224	1	21	5	162	413	39	Dobney <i>et al.</i> , 1995
<b>Average %</b>							<b>25</b>	
<b>Angevin Town (n=3)</b>								
Exeter, Devon	5191	48	490	41	130	5900	2	Maltby, 1979a
Lurk Lane, Beverley, Yorkshire	2907	87	322	30	19	3365	0.5	Scott, 1991
Lincoln city, Lincolnshire	403	1	40	3	415	862	48	Dobney <i>et al.</i> , 1995
<b>Average %</b>							<b>17</b>	
<b>High Status Sites</b>								
<b>Early/Middle Saxon (n=2)</b>								
Saxon Palaces, Northamptonshire	821	5	70	4	11	911	1.2	Harman, 1985b
Lake End Road, Essex	4100	32	329	34	26	4521	0.6	Powell, 1999
<b>Average %</b>							<b>0.9</b>	
<b>Late Saxon (n=2)</b>								
Castle Mall, Norfolk	1054	8	222	3	4266	5553	77	Albarella <i>et al.</i> , 1997
Saxon Palaces, Northamptonshire	1867	6	200	7	18	2098	0.8	Harman, 1985b
<b>Average %</b>							<b>39</b>	
<b>Norman (n=7)</b>								
Boltophs, Bramber, Sussex	69	8	7	1	38	123	31	Stevens, 1990
Pevensey Castle, Sussex	998	17	87	26	55	1183	5	Powell and Serjeantson, forthcoming
Wirral Park, Somerset	591	29	52		72	744	9.6	Darvill and Coy, 1977
Launceston Castle, Cornwall	175	5	6	4	10	200	5	Smith, 1995
Castle Mall, Norfolk	926	5	138	4	1643	2716	60	Locker, 1997
Middleton Stoney, Oxfordshire	330	192	1153	301	32	2008	2	Levitan, 1984a
Saxon Palaces, Northamptonshire	126	5	19	1	222	373	60	Harman, 1985b
<b>Average %</b>							<b>25</b>	
<b>Angevin High Status (n=4)</b>								
Guildford Castle, Surrey	365	12	19	16	5	417	1	Ingrem, forthcoming
Trowbridge, Wiltshire	857	25	42	7	43	974	4	Bourdillon, 1993
Launceston Castle, Cornwall	99	7	14	3	106	229	46	Smith, 1995
Castle Mall, Norfolk	377	8	104	2	1427	1918	7	Locker, 1997
<b>Average %</b>							<b>15</b>	

Appendix Idi: Total Fragment Counts and Frequencies of Fish (as a percentage of the total assemblage) by Period and Site Type.

Site	Domestic Mammal	Wild Mammal	Domestic Bird	Wild Bird	Fish	Total	% Fish	Reference
<b>Religious Houses</b>								
<b>Early/Middle Saxon</b>								
<b>Insufficient Data</b>								
<b>Late Saxon (n=3)</b>								
Lewes Priory, Sussex	7		9	1	928	951	<b>98</b>	Stevens, 1997
Westminster Abbey, London	1919	31	234	36	9354	11574	<b>81</b>	Rackham, 1994
Eynsham Abbey, Oxfordshire	843	59	49	18	5	974	<b>5</b>	Serjeantson <i>et al.</i> , forthcoming
<b>Average %</b>							<b>61</b>	
<b>Norman (n=2)</b>								
Battle Abbey, Sussex	27		1		227	255	<b>89</b>	Locker, 1985
Eynsham Abbey, Oxfordshire	3665	155	275	34	1811	5940	<b>30</b>	Serjeantson <i>et al.</i> , forthcoming
<b>Average %</b>							<b>60</b>	
<b>Angevin (n=5)</b>								
Austin Friars, Leicester	3030	125	495	21	128	3799	<b>3</b>	Thawley, 1981
Battle Abbey, Sussex	134	2	5	2	5	148	<b>3</b>	Locker, 1985
St Gregory's Priory, Kent	267	7	90		166	530	<b>31</b>	Powell and Serjeantson forthcoming
Eynsham Abbey, Oxfordshire	1478	92	207	21	447	2245	<b>20</b>	Serjeantson <i>et al.</i> , forthcoming
Fishergate, Yorkshire (phase 6)	1476		173	19	2223	3891	<b>57</b>	O'Connor, 1991
<b>Average %</b>							<b>23</b>	
<b>French Sites</b>								
<b>Town (n=13)</b>								
Saint-Denis, Paris, ditch 14952	3002	44	950	238	518	4752	<b>11</b>	Morel, 1985
Rue de Lutece, Paris. 9th century	120		7	10	9	146	<b>6</b>	Audoin-Rouzeau, 1989
Rue de Lutece, Paris. 10th century	1472	7	140		121	1740	<b>7</b>	Audoin-Rouzeau, 1989
Rue de Lutece, Paris. 12th century	805		461	26	129	1421	<b>9</b>	Audoin-Rouzeau, 1989
Rue de Lutece, Paris. 12th century	1363	12	490	20	252	2137	<b>12</b>	Audoin-Rouzeau, 1989
Rue de Lutece, Paris. 12th/13th	230	1	31	5	12	279	<b>4</b>	Audoin-Rouzeau, 1989
Rue de Lutece, Paris. 12th/13th	185	1	78	8	25	297	<b>8.5</b>	Audoin-Rouzeau, 1989
Compiègne, Oise Phase I-III	378	13	7		2	400	<b>0.5</b>	Yvinec, 1997
Compiègne, Oise Phase IV	499	9	70	6	79	663	<b>12</b>	Yvinec, 1997
Compiègne, Oise Phase V	1813	44	44	8	12	1921	<b>0.6</b>	Yvinec, 1997
Compiègne, Oise Phase VI	1475	64	177	3	1817	3536	<b>52</b>	Yvinec, 1997
Compiègne, Oise US 1622	520	5	213	10	1204	1952	<b>62</b>	Yvinec, 1997
Compiègne, Oise US 1460	407	2	89	5	118	621	<b>19</b>	Yvinec, 1997
<b>Average %</b>							<b>16</b>	
<b>High Status (n=5)</b>								
Chateau de Mayenne, Manche	3438	333	522		20	4313	<b>0.5</b>	Powell, 1998
Chateau de Mayenne, Manche	237	10	54		56	357	<b>16</b>	Powell, 1998
Compiègne, Oise Phase VII	495	20	8	2	2	527	<b>0.4</b>	Yvinec, 1997
Compiègne, Oise US 1056	576	27	36	3	4	646	<b>0.6</b>	Yvinec, 1997
Grand Besle, Normandy	277	6	66	12	14	375	<b>4</b>	Lepiksaar, 1966-68
<b>Average %</b>							<b>4</b>	
<b>Religious House</b>								
Charite-sur-Loire, Nièvre	3394	203	2178	200	455	6430	<b>7</b>	Audoin, 1984
Compiègne, Oise US1505	565	22	103	7	51	748	<b>7</b>	Yvinec, 1997
<b>Average %</b>							<b>7</b>	

Appendix Idii: Fragment counts and relative frequencies of the most archaeologically abundant fish taxa (British sites only).

Site	eel	herring	smelt	sprat	mackrel	cod	haddock	gadoid	ling	hake	whiting	plaice	flounder	flatfish	roach	cyprinid	salmon	perch	trout	pike	Reference	
<b>E/M Saxon Village</b>	<b>Insufficient Data</b>																					
<b>E/M Saxon Town</b>																						
Hamwih, Hampshire	592	1			4						5		583				2				Bourdillon & Coy, 1980	
Maiden Lane, London	2558	151				5	28		2	1	2	35	5	29	4	89	22			12	Locker, 1993a	
Jubilee Hall, London	79	7										12		9	85	1				1	Locker, 1993a	
Peabody Buildings, London	68	39				1			2	3	8	25	6		20	1				3	Locker, 1993b	
Redcastle Furze, Norfolk	17	22																		1	Nicholson, 1995	
Fishergate, Yorkshire	365	59				8	1							8		66	3		2	12	O'Connor, 1991	
<b>Total</b>	<b>3679</b>	<b>279</b>			<b>4</b>	<b>14</b>	<b>29</b>		<b>2</b>	<b>3</b>	<b>10</b>	<b>55</b>	<b>613</b>	<b>43</b>	<b>13</b>	<b>260</b>	<b>29</b>		<b>2</b>	<b>29</b>	<b>5064</b>	
<b>% By Category</b>	<b>73</b>	<b>5.5</b>			<b>0.07</b>	<b>0.2</b>	<b>0.5</b>				<b>0.2</b>	<b>1</b>	<b>12</b>	<b>0.8</b>	<b>0.2</b>	<b>5</b>	<b>0.5</b>		<b>0.03</b>	<b>0.5</b>		
<b>E/M Saxon High Status</b>	<b>Insufficient Data</b>																					
<b>E/M Saxon Religious House</b>	<b>Insufficient Data</b>																					
<b>Late Saxon Village</b>	<b>Insufficient Data</b>																					
<b>Late Saxon Town</b>																						
Newbury, Berkshire	4	4																			Coy, 1997	
Brandon Road, Norfolk						5		5														Jones, 1993
Thetford 1092, Norfolk	5	16				27	1								9							Jones, 1984
St Martins-at palace plain, Norfolk	170	1928	21		7	93	7	110		46	35	1	22		7				2			Locker, 1987
Alms Lane, Norfolk	1	14			3	8		1		2												Jones and Scott, 1985
Fishergate Norfolk	3	45			8	3		14		7	11		1									Locker, 1994
Redcastle Furze, Norfolk	15	23																		1		Nicholson, 1995
Fishergate, Yorkshire	275	122	6			2	8						5		112	2				3		O'Connor, 1991
Lincoln city, Lincolnshire	99		2				2							14	295	3	79			18		Dobney <i>et al.</i> , 1995
<b>Total</b>	<b>572</b>	<b>2152</b>	<b>29</b>		<b>18</b>	<b>138</b>	<b>18</b>	<b>130</b>		<b>55</b>	<b>46</b>	<b>1</b>	<b>28</b>	<b>14</b>	<b>423</b>	<b>5</b>	<b>79</b>	<b>2</b>	<b>22</b>	<b>3732</b>		
<b>% By Category</b>	<b>15</b>	<b>58</b>	<b>1</b>		<b>0.4</b>	<b>4</b>	<b>0.4</b>	<b>3.5</b>		<b>1.5</b>	<b>1</b>	<b>0.02</b>	<b>1</b>	<b>0.3</b>	<b>11</b>	<b>0.1</b>	<b>2</b>	<b>0.05</b>	<b>1</b>			
<b>Late Saxon High Status</b>																						
Facombe Netherton, Hampshire																			2			Sadler, 1990
Castle Mall, Norfolk	739	2358	5	3	65	389	10	429	1	64	1		33	3	4	1				13		Locker, 1997
Saxon Palaces, Northamptonshire	5	1				1							2									Harman, 1985b
<b>Total</b>	<b>744</b>	<b>2359</b>	<b>5</b>	<b>3</b>	<b>65</b>	<b>390</b>	<b>10</b>	<b>429</b>	<b>1</b>	<b>64</b>	<b>1</b>		<b>35</b>	<b>3</b>	<b>4</b>	<b>1</b>			<b>2</b>	<b>13</b>	<b>4129</b>	
<b>% By Category</b>	<b>18</b>	<b>57</b>	<b>0.1</b>	<b>0.1</b>	<b>2</b>	<b>9</b>	<b>0.2</b>	<b>10</b>	<b>0.02</b>	<b>2</b>	<b>0</b>		<b>1</b>	<b>0.1</b>	<b>0.1</b>	<b>0</b>			<b>0.05</b>	<b>0.3</b>		

Appendix Idii: Fragment counts and relative frequencies of the most archaeologically abundant fish taxa (British sites only).

Site	eel	herring	smelt	sprat	mackrel	cod	haddock	gadoid	ling	hake	whiting	plaice	flounder	flatfish	roach	cyprinid	salmon	perch	trout	pike	Reference
<b>Late Saxon Religious House</b>																					
Westminster Abbey, London	571	2923	1614			57	19		1		806	221	53	1221	64	646	81			198	Rackham, 1994
Eynsham Abbey, Oxfordshire								2										1		2	Serjeantson <i>et al.</i> , forth
Lewes Priory, Sussex	24	103				366					40	374					5				Stevens, 1997
<b>Total</b>	<b>595</b>	<b>3026</b>	<b>1614</b>			<b>423</b>	<b>19</b>	<b>2</b>	<b>1</b>		<b>846</b>	<b>595</b>	<b>53</b>	<b>1221</b>	<b>64</b>	<b>646</b>	<b>86</b>	<b>1</b>		<b>200</b>	<b>9392</b>
<b>% By Category</b>	<b>6</b>	<b>32</b>	<b>17</b>			<b>5</b>	<b>0.2</b>	<b>0.02</b>	<b>0.01</b>		<b>9</b>	<b>6</b>	<b>0.5</b>	<b>13</b>	<b>0.7</b>	<b>7</b>	<b>0.9</b>	<b>0.01</b>		<b>2</b>	
<b>Norman Village</b>	<b>Insufficient Data</b>																				
<b>Norman Town</b>																					
Exeter, Devon	8					1		1		5	6			3							Maltby, 1979a
Brandon Road, Norfolk						1		7						1							Jones, 1993
St Martins-at-Palace Plain, Norfolk	16	495			4	35	1	54			22	7		1						1	Locker, 1987
Fishergate Norfolk	181	248	25		11	35	2	4			2	32	13	11		1					Locker, 1994
Redcastle Furze, Norfolk	64	78																			Nicholson, 1995
Alms Lane, Norfolk		34			1	2		1													Jones and Scott, 1985
General Accident, Yorkshire	9	14			1	7		2								2	1	1			O'Connor, 1988
Fishergate, Yorkshire	729	491	11			72	7						1	10		71	8		2	22	O'Connor, 1991
Eastgate, Yorkshire	710	913			2	1040	99	223	27		10	7	1	25	1	103	19	24	1	73	Scott, 1992
Lincoln city, Lincolnshire	7														1	19					Dobney <i>et al.</i> , 1995
<b>Total</b>	<b>1724</b>	<b>2273</b>	<b>36</b>		<b>19</b>	<b>1193</b>	<b>109</b>	<b>292</b>	<b>27</b>	<b>5</b>	<b>40</b>	<b>46</b>	<b>15</b>	<b>51</b>	<b>2</b>	<b>196</b>	<b>28</b>	<b>25</b>	<b>4</b>	<b>95</b>	<b>6180</b>
<b>% By Category</b>	<b>27</b>	<b>37</b>	<b>0.5</b>		<b>0.2</b>	<b>19</b>	<b>2</b>	<b>5</b>	<b>0.4</b>	<b>0.1</b>	<b>0.7</b>	<b>0.7</b>	<b>0.2</b>	<b>0.8</b>	<b>0.03</b>	<b>3</b>	<b>0.5</b>	<b>0.5</b>	<b>0.06</b>	<b>1.5</b>	
<b>Norman High Status</b>																					
Trowbridge, Wiltshire	15	59														1					Bourdillon, 1994
Castle Mall, Norfolk	75	949	6		25	336	7	94			68	2		31		3	2			7	Locker, 1997
Saxon Palaces, Northamptonshire					1	81	2	99	22			1					1			1	Harman, 1985b
Launceston Castle, Cornwall										5											Smith, 1995
<b>Total</b>	<b>90</b>	<b>1008</b>	<b>6</b>		<b>26</b>	<b>417</b>	<b>9</b>	<b>192</b>	<b>22</b>	<b>5</b>	<b>68</b>	<b>3</b>		<b>31</b>		<b>4</b>	<b>3</b>			<b>8</b>	<b>1892</b>
<b>% By Category</b>	<b>5</b>	<b>53</b>	<b>0.3</b>		<b>1</b>	<b>22</b>	<b>1</b>	<b>10</b>	<b>1</b>	<b>0.2</b>	<b>4</b>	<b>0.1</b>		<b>1.6</b>		<b>0.2</b>	<b>0.1</b>			<b>0.4</b>	
<b>Norman Religious House</b>																					
St Albans Abbey, Hertfordshire	4	4			1	31	1	6				7		17			4			9	Crabtree, 1983
Eynsham Abbey, Oxfordshire	256	1090			5	19	4	5	2		8	13		3	4	39	8	1		157	Serjeantson <i>et al.</i> , forth
Battle Abbey, Sussex	2					5	2		1		5	24		3							Locker, 1985
<b>Total</b>	<b>262</b>	<b>1094</b>			<b>6</b>	<b>55</b>	<b>7</b>	<b>11</b>	<b>3</b>		<b>13</b>	<b>44</b>		<b>23</b>	<b>4</b>	<b>39</b>	<b>12</b>	<b>1</b>		<b>166</b>	<b>1744</b>
<b>% By Category</b>	<b>15</b>	<b>63</b>			<b>0.3</b>	<b>3</b>	<b>0.4</b>	<b>0.6</b>	<b>0.2</b>		<b>0.8</b>	<b>3</b>		<b>1</b>	<b>0.2</b>	<b>2</b>	<b>0.7</b>	<b>0.06</b>		<b>10</b>	

Appendix Idii: Fragment counts and relative frequencies of the most archaeologically abundant fish taxa (British sites only).

Site	eel	herring	smelt	sprat	mackrel	cod	haddock	gadoid	ling	hake	whiting	plaice	flounder	flatfish	roach	cyprinid	salmon	perch	trout	pike	Reference
<b>Angevin Village</b>	<b>Insufficient Data</b>																				
<b>Angevin Town</b>																					
Exeter, Devon	27					11	4	3	1	27	22			13			3				Maltby, 1979a
Newbury, Berkshire	1					3		2	1			4									Coy, 1997
Stert Street Oxford	19			1	3		4								1			1		8	Wheeler, 1979
Brandon Road, Norfolk						8	1	6	1												Jones, 1993
St Martins-at-Palace plain, Norfolk	55	379	4		15	7	3	8			25	20	2	8			1				Locker, 1987
Alms Lane, Norfolk																					Jones and Scott, 1985
General accident	826	857	18			37	7	102			1		1	4	3	58	7	4	3	12	O'Connor, 1988
Lincoln city, Lincolnshire	52		0					11						2	5	52	8	1		2	Dobney <i>et al.</i> , 1995
<b>Total</b>	980	1236	22	1	18	66	19	132	3	27	48	24	3	27	9	110	19	6	3	22	2775
<b>% By Category</b>	<b>35</b>	<b>44</b>	<b>1</b>	<b>0.03</b>	<b>0.6</b>	<b>2</b>	<b>1</b>	<b>5</b>	<b>0.1</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0.3</b>	<b>4</b>	<b>1</b>	<b>0.2</b>	<b>0.1</b>	<b>1</b>	
<b>Angevin High Status</b>																					
Guildford Castle, Surrey	24	11			5	18	16	19			63	17		3		5	5				Ingrem, forthcoming
Castle Mall, Norfolk	33	566	3		10	309	12	256	6		65	7		41		7	3			1	Locker, 1997
Trowbridge, Wiltshire	13	26			1											2	1				Bourdillon, 1993
Launceston Castle	7					13	1		5	47											Smith, 1995
<b>Total</b>	77	603	3		16	340	29	275	11	47	128	24		44		14	9			1	1621
<b>% By Category</b>	<b>5</b>	<b>37</b>	<b>0.1</b>		<b>1</b>	<b>21</b>	<b>1.7</b>	<b>17</b>	<b>0.6</b>	<b>3</b>	<b>8</b>	<b>1.4</b>		<b>2.7</b>		<b>0.8</b>	<b>0.5</b>			<b>0.1</b>	
<b>Angevin Religious House</b>																					
Battle Abbey							1	1													Locker, 1985
Eynsham Abbey, Oxford	109	229				8	2	10	4		3	5		2	4	13		3		42	Serjeantson <i>et al.</i> , forth
St Mary's, Clerkwell	6	30				2	4				26	10	4	4							Locker, 1996
Cleeve Abbey, Somerset	2	3			1		7	6		3	8	7									Locker, 1989
Austin Friars, Leicester	1					65	19		22			15		1			1				Thawley, 1981
Fishergate, Yorkshire 6a	305	491	10			21	22	7			15		1	23		86	8	5	3	22	O'Connor, 1991
<b>Total</b>	423	753	10		1	96	55	24	26	3	52	37	5	30	4	99	9	8	3	64	1702
<b>% By Category</b>	<b>25</b>	<b>44</b>	<b>0.5</b>		<b>0.05</b>	<b>5.6</b>	<b>3</b>	<b>1.4</b>	<b>1.5</b>	<b>0.2</b>	<b>3</b>	<b>2</b>	<b>0.3</b>	<b>2</b>	<b>0.2</b>	<b>6</b>	<b>0.5</b>	<b>0.5</b>	<b>0.2</b>	<b>4</b>	

Appendix 1e: Fragment counts and relative frequencies of the most archaeologically abundant wild bird taxa (French and British sites).

Site	Wild Birds																		Reference
	duck	goose	swan	heron	crane	bittern	curlew	pigeon	peafowl	woodcock	partridge	pheasant	grouse	plover	lapwing	snipe	godwit	small bird	
<b>E/M Saxon Village</b>																			
West Stow, Suffolk	4	2	2	1	30					1				6	1	1		10	Crabtree, 1990
<b>% By Category</b>	<b>7</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>52</b>					<b>2</b>				<b>10</b>	<b>2</b>	<b>2</b>		<b>17</b>	
<b>E/M Saxon Town</b>																			
Hamwih, Hampshire	4									2								7	Bourdillon and Coy, 1980
Maiden Lane, London	1	4																	West and Rackham, 1993a
Caister-on-Sea, Norfolk	4	1	1					2											Harman, 1993
Ipswich, Suffolk			1					3											Crabtree, 1996
Ipswich, Suffolk	11				1			8										1	Jones and Serjeantson, 1983
Fishergate, Yorkshire								1				1						14	O'Connor, 1991
<b>Total</b>	<b>20</b>	<b>5</b>	<b>2</b>		<b>1</b>			<b>14</b>		<b>2</b>		<b>1</b>						<b>22</b>	<b>67</b>
<b>% By Category</b>	<b>30</b>	<b>7</b>	<b>3</b>		<b>1.5</b>			<b>21</b>		<b>3</b>		<b>1.5</b>						<b>33</b>	
<b>E/M Saxon High Status</b>																			
Portchester Castle, Hampshire						2	1	2			1								Eastham, 1975
Saxon Palaces, Northamptonshire		1																	Harman, 1985b
Lake End Road, Essex								18		15				1				2	Powell, 1999
Lot's Hole, Essex								1											Powell, 1999
Brandon, Suffolk	77		11		19	1		3										1	Crabtree, 1996
<b>Total</b>	<b>77</b>	<b>1</b>	<b>11</b>		<b>19</b>	<b>3</b>	<b>1</b>	<b>24</b>		<b>15</b>	<b>1</b>			<b>1</b>				<b>3</b>	<b>156</b>
<b>% By Category</b>	<b>49</b>	<b>0.5</b>	<b>7</b>		<b>12</b>	<b>2</b>	<b>0.5</b>	<b>15</b>		<b>10</b>	<b>0.5</b>			<b>0.5</b>				<b>2</b>	
<b>E/M Saxon Monastic</b>																			
St Albans, Hertfordshire					1									2					Crabtree, 1983
North Elmham, Norfolk	8	4			2		1	1						1					Noddle, 1980
Wicken Bonhunt, Essex	17	1	2		26	1		50	2					2					Crabtree, 1996
<b>Total</b>	<b>25</b>	<b>5</b>	<b>2</b>		<b>29</b>	<b>1</b>	<b>1</b>	<b>51</b>	<b>2</b>					<b>5</b>					<b>121</b>
<b>% By Category</b>	<b>21</b>	<b>4</b>	<b>1.5</b>		<b>24</b>	<b>1</b>	<b>1</b>	<b>42</b>	<b>1.5</b>					<b>4</b>					
<b>Late Saxon Village</b>																			
West Cotton, Northamptonshire								2											Albarella and Davis, 1994
Walton Vicarage, Buckinghamshire					1									1					Bramwell, 1976
<b>Total</b>					<b>1</b>			<b>2</b>						<b>1</b>					<b>4</b>
<b>% By Category</b>					<b>25</b>			<b>50</b>						<b>25</b>					

Appendix Ie: Fragment counts and relative frequencies of the most archaeologically abundant wild bird taxa (French and British sites).

Site	Wild Birds																		Reference
	duck	goose	swan	heron	crane	bittern	curlew	pigeon	peafowl	woodcock	partridge	pheasant	grouse	plover	lapwing	snipe	godwit	small bird	
<b>Late Saxon Town</b>																			
Steyning, Sussex					2			6											Collected personally Coy, 1997 Jones and Serjeantson, 1983 Jones, 1984 Albarella, 1999 O'Connor, 1989a Dobney <i>et al.</i> , 1995
Newbury, Berkshire																			
Ipswich, Suffolk													1						
Thetford 1092, Norfolk	4				1				2										
Mill Lane, Thetford, Norfolk	1																		
Coppergate, Yorkshire		36	1		6			17		1			9	31					
Lincoln city, Lincolnshire	1	4								1									
<b>Total</b>	<b>6</b>	<b>40</b>	<b>1</b>		<b>9</b>			<b>23</b>	<b>2</b>	<b>2</b>		<b>1</b>	<b>10</b>	<b>31</b>				<b>125</b>	
<b>% By Category</b>	<b>4.8</b>	<b>32</b>	<b>0.8</b>		<b>7</b>			<b>18</b>	<b>2</b>	<b>2</b>		<b>0.8</b>	<b>8</b>	<b>25</b>					
<b>Late Saxon High Status</b>																			
Portchester Castle, Hampshire	16							94	15					3			3	Eastham, 1975 Bourdillon, 1993 Albarella <i>et al.</i> , 1997 Harman, 1985b	
Trowbridge Castle, Wiltshire										2									
Castle Mall, Norfolk									2										
Saxon Palaces, Northamptonshire	1		1						4										
<b>Total</b>	<b>17</b>		<b>1</b>					<b>94</b>	<b>21</b>	<b>2</b>				<b>3</b>			<b>3</b>	<b>141</b>	
<b>% By Category</b>	<b>12</b>		<b>1</b>					<b>67</b>	<b>15</b>	<b>1</b>				<b>2</b>			<b>2</b>		
<b>Late Saxon Ecclesiastical</b>																			
Westminster Abbey, London	8	4			1			5		8						1		Rackham, 1994 Crabtree, 1983 Serjeantson <i>et al.</i> , forth. Bramwell, 1980 Noddle, 1987	
St Albans, Hertfordshire					1					1									
Eynsham Abbey, Oxfordshire							1	9		5				1	1				
North Elmham, Northampton	3				1			1									1		
Jarrow, Northumberland																	2		
<b>Total</b>	<b>11</b>	<b>4</b>			<b>3</b>		<b>1</b>	<b>15</b>		<b>14</b>				<b>1</b>	<b>2</b>		<b>11</b>	<b>62</b>	
<b>% By Category</b>	<b>18</b>	<b>6</b>			<b>5</b>		<b>1.5</b>	<b>24</b>		<b>23</b>				<b>1.5</b>	<b>3</b>		<b>18</b>		
<b>Norman Village</b>																			
Boltophs, Bramber, Sussex								1										Stevens, 1990 Albarella and Davis, 1997 Bramwell, 1976	
West Cotton, Northampton								23									3		
Walton Vicarage, Buckinghamshire	1										1			2					
<b>Total</b>	<b>1</b>							<b>24</b>			<b>1</b>			<b>2</b>			<b>3</b>	<b>31</b>	
<b>% By Category</b>	<b>3</b>							<b>77</b>			<b>3</b>			<b>6</b>			<b>10</b>		

Appendix 1e: Fragment counts and relative frequencies of the most archaeologically abundant wild bird taxa (French and British sites).

Site	Wild Birds																		Reference
	duck	goose	swan	heron	crane	bittern	curlew	pigeon	peafowl	woodcock	partridge	pheasant	grouse	plover	lapwing	snipe	godwit	small bird	
<b>Norman Town</b>																			
North Street, Lewes, Sussex					1		9		3									2	
Exeter, Devon							3	3	16									2	
Newbury, Berkshire									1										
Brandon Road, Norfolk		1			1		1												
Kings Lynn, Norfolk	6	2					1	1			1		1	2	1		1	1	
St Nichola's Street, Norfolk	2										1						1	1	
Fishergate Norfolk	5								2									1	
Lincoln city, Lincolnshire	3	1						1											
Coppergate, Yorkshire		8																	
General Accident, Yorkshire	6								1					1					
Fishergate, Yorkshire								1						1				8	
Lurk Lane, Yorkshire			2	1				1	1					3				2	
Eastgate, Yorkshire	11	1	1	1	1			2	1	1		1						9	
<b>Total</b>	<b>33</b>	<b>13</b>	<b>3</b>	<b>2</b>	<b>3</b>		<b>4</b>	<b>19</b>	<b>1</b>	<b>25</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>7</b>	<b>1</b>		<b>2</b>	<b>25</b>	
<b>% By Category</b>	<b>23</b>	<b>9</b>	<b>2</b>	<b>1</b>	<b>2</b>		<b>3</b>	<b>13</b>	<b>1</b>	<b>18</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>1</b>		<b>1</b>	<b>18</b>	
<b>Norman High Status</b>																			
Launceston Castle, Cornwall									6		1							3	
Guildford Castle, Surrey									2									2	
Carisbrooke Castle, I.O.W	12							2	2										
Wirral Park, Somerset	2		2																
Portchester Castle, Hampshire	1																		
Trowbridge, Wiltshire	1							1		8						1			
Castle Rising, Norfolk	1		2	1	1			1						1				3	
Castle Mall, Norfolk	2		1	1				2										2	
North Elmham, Norfolk	3							1											
Saxon Palaces, Northamptonshire														1					
<b>Total</b>	<b>22</b>		<b>5</b>	<b>2</b>	<b>1</b>			<b>7</b>	<b>2</b>	<b>16</b>	<b>1</b>			<b>2</b>			<b>1</b>	<b>10</b>	
<b>% By Category</b>	<b>32</b>		<b>7</b>	<b>3</b>	<b>1.5</b>			<b>10</b>	<b>3</b>	<b>23</b>	<b>1.5</b>			<b>3</b>			<b>1.5</b>	<b>14.5</b>	



Appendix 1e: Fragment counts and relative frequencies of the most archaeologically abundant wild bird taxa (French and British sites).

Site	Wild Birds																		Reference
	duck	goose	swan	heron	crane	bittern	curlew	pigeon	peafowl	woodcock	partridge	pheasant	grouse	plover	lapwing	snipe	godwit	small bird	
<b>Norman Ecclesiastical</b>																			
Eynsham Abbey, Oxfordshire	2	1			2			16		6				5		6		1	Sejeantson <i>et al</i> , forth
St Albans, Herefordshire	2	1		1	1			13		4								20	Crabtree, 1983
Jarrow, Northumberland								1							1			1	Noddle, 1987
<b>Total</b>	4	2		1	3			30		10				5	1	6		22	<b>84</b>
<b>% By Category</b>	5	2		1	4			36		12				6	1	7		26	
<b>Angevin Village</b>																			
Walton Vicarage, Buckinghamshire					13			87											Bramwell, 1976
West Cotton, Northamptonshire								41										2	Albarella and Davis, 1994
<b>Total</b>					13			128										2	<b>143</b>
<b>% By Category</b>					9			90										1	
<b>Angevin Town</b>																			
Southampton, Hampshire	2																		Bramwell, 1975a
Newbury, Berkshire	1																		Coy, 1996
Exeter, Devon	1							3		32								2	Maltby, 1979a
West Gate Gloucestershire								2											Maltby, 1979b
Winchcombe, Gloucestershire																			Levitan, 1985
Hereford city, Herefordshire	1								1	1				2				1	Noddle, 1985a
Brandon Road, Norfolk					1														Jones, 1993
General Accident, Yorkshire	6	3			1													6	O'Connor, 1988
Lurk Lane, Yorkshire		2	1	1						1					1				Scott, 1991
Lincoln city, Lincolnshire	3																		Dobney <i>et al.</i> , 1995
<b>Total</b>	14	5	1	1	2			5	1	34				2	1			9	75
<b>% By Category</b>	19	6	1	1	3			8	1	45				3	1			12	

Appendix Ie: Fragment counts and relative frequencies of the most archaeologically abundant wild bird taxa (French and British sites).

Site	Wild Birds																		Reference	
	duck	goose	swan	heron	crane	bittern	curlew	pigeon	peafowl	woodcock	partridge	pheasant	grouse	plover	lapwing	snipe	godwit	small bird		
<b>Angevin High Status</b>																				
North Elmham, Norfolk	3						1							1					1	Bramwell, 1980
Guildford Castle, Surrey										4	9								4	Sykes, forthcoming
Baynard's Castle, London			10				7			5							3		4	Bramwell, 1975b
Portchester Castle, Hampshire										3									1	Grant, 1977
Oakhampton, Devon							1												8	Maltby, 1982
Launceston Castle, Cornwall			1							5				4						Albarella and Davis, 1996
Castle Mall, Norfolk	1						1				1									Albarella <i>et al.</i> , 1997
Castle Rising, Norfolk	20		12	8			23	22	25	22				25					6	Jones <i>et al.</i> , 1997
<b>Total</b>	<b>24</b>		<b>23</b>	<b>8</b>			<b>24</b>	<b>31</b>	<b>25</b>	<b>39</b>	<b>10</b>			<b>30</b>		<b>3</b>		<b>24</b>	<b>241</b>	
<b>% By Category</b>	<b>10</b>		<b>10</b>	<b>3</b>			<b>10</b>	<b>13</b>	<b>10</b>	<b>16</b>	<b>4</b>			<b>12</b>		<b>1</b>		<b>10</b>		
<b>Angevin Monastic</b>																				
Battle Abbey, Sussex								1												Locker, 1985
Eynsham Abbey, Oxfordshire	1							3		6					1					Serjeantson <i>et al.</i> , forth.
Dean Court, Oxfordshire								1												Jones, 1994b
Austin Friars, Leicestershire				1	1			4			4								3	Thawley, 1981
Fishergate, Yorkshire 6a	1							5						1					6	O'Connor, 1991
<b>Total</b>	<b>2</b>			<b>1</b>	<b>1</b>			<b>14</b>		<b>6</b>	<b>4</b>			<b>1</b>	<b>1</b>			<b>9</b>	<b>39</b>	
<b>% By Category</b>	<b>5</b>			<b>2.6</b>	<b>2.6</b>			<b>36</b>		<b>15</b>	<b>10</b>			<b>2.6</b>	<b>2.6</b>			<b>23</b>		

Appendix Ie: Fragment counts and relative frequencies of the most archaeologically abundant wild bird taxa (French and British sites).

Site	Wild Birds																		Reference
	duck	goose	swan	heron	crane	bittern	curlew	pigeon	peafowl	woodcock	partridge	pheasant	grouse	plover	lapwing	snipe	godwit	small bird	
<b>Town</b>																			
Saint-Denis, Paris. ditch 14 771	6		9					3			3	23							
Saint-Denis, Paris. ditch 14 779	2							1			1	19						Morel, 1985	
Saint-Denis, Paris. ditch 14 806	5							5			1	7						Morel, 1985	
Saint-Denis, Paris. ditch 14 807	12											6						Morel, 1985	
Saint-Denis, Paris. ditch 14925	7											24						Morel, 1985	
Saint-Denis, Paris. ditch 14952	10							19				49						Morel, 1985	
Rue de Lutece, Paris. 9th century		2		1				3										Audoin-Rouzeau, 1989	
Rue de Lutece, Paris. 12th century	4							8										Audoin-Rouzeau, 1989	
Rue de Lutece, Paris. 12th century	4			1				2			4							Audoin-Rouzeau, 1989	
Rue de Lutece, Paris. 12th/13th	2							1										Audoin-Rouzeau, 1989	
Rue de Lutece, Paris. 12th/13th	3										2							Audoin-Rouzeau, 1989	
Compiègne, Oise Phase IV	2								1									Audoin-Rouzeau, 1989	
Compiègne, Oise Phase V			1		2													1 Yvinec, 1997	
Compiègne, Oise Phase VI	1										2							1 Yvinec, 1997	
Compiègne, Oise US 1622									3									Yvinec, 1997	
Compiègne, Oise US 1460			2															2 Yvinec, 1997	
<b>Total</b>	58	2	12	2	2			42		4	13	128						4	
<b>%</b>	22	0.7	4.4	0.7	0.7			14.7		2	4.8	48						2	
<b>High Status</b>																			
Vatteville, Seine Maritime	1		3	1				1		2	1							Collected personally	
Grand Besle, Normandy	4			1						1	2							Lepiksaar, 1966-68	
Compiègne, Oise U2453					1				36									17 Yvinec, 1997	
Compiègne, Oise Phase VII					2													Yvinec, 1997	
Compiègne, Oise US 1056					1													Yvinec, 1999	
Douai, Nord	1			8	19			21		5	2				1			2 Vadet, 1986	
<b>Total</b>	6		3	10	23			22	36	8	5				1			19	
<b>%</b>	4.5		2	7.5	17			17	27	6	4				1			14	
<b>Ecclesiastical</b>																			
Compiègne, Oise US1505					1													1 Yvinec, 1997	
Saint Avit-Senieur, Dordogne				1	46						1							Gautier, 1972	
Charite-sur-Loire, Nièvre	4							47		4	29	1						35 Audoin, 1984	
<b>Total</b>	4			1	47			47		4	30	1						36	
<b>%</b>	2			1	27.5			27.5		2	18	1						21	

Appendix Ifi: Frequencies of Wild Animals (as a percentage of the mammal assemblage)  
for French Sites.

Site	% Wild	Reference
<b>Village</b>		
Dury, Somme	0	Yvinec, 1999
'French Sites'	0.7	Yvinec, 1993
<b>Total</b>	<b>0.7</b>	
<b>Average%</b>	<b>0.35</b>	
<b>Town</b>		
'French Towns'	0.1	Yvinec, 1993
Compiègne, Oise Phase I-III	1.6	Yvinec, 1997
Compiègne, Oise Phase IV	3.3	Yvinec, 1997
Compiègne, Oise Phase V	1.7	Yvinec, 1997
Compiègne, Oise Phase VI	3.4	Yvinec, 1997
Compiègne, Oise US 1622	0.9	Yvinec, 1997
Compiègne, Oise US 1460	0.5	Yvinec, 1997
<b>Total</b>	<b>11.5</b>	
<b>Average%</b>	<b>1.6</b>	
<b>High Status</b>		
Chateau de Mayenne, Manche	4	Powell, 1998
Chateau de Mayenne, Manche	8.8	Powell, 1998
Vatteville, Seine-Maritime	17.5	Collected personally
Grand Besle, Normandy	1.2	Lepiksaar, 1966-68
Compiègne, Oise Phase VII	3.8	Yvinec, 1997
Compiègne, Oise US 1056	4.4	Yvinec, 1997
Douai, Nord PIV A	2.2	Yvinec, 1993
Douai, Nord P IV BC	1.6	Yvinec, 1993
Douai, Nord P III	2	Yvinec, 1993
Douai, Nord S14	1.3	Yvinec, 1993
Ecuelle-Ravanne	20	Yvinec, 1993
Maison forte de Mauny	6.2	Yvinec, 1993
<b>Total</b>	<b>69</b>	
<b>Average%</b>	<b>5.6</b>	
<b>Religious House</b>		
Charite-sur-Loire, Nièvre	5.6	Audoin, 1984
'French Sites'	1.8	Yvinec, 1993
Compiègne, Oise US1505	3.7	Yvinec, 1997
<b>Total</b>	<b>11.1</b>	
<b>Average%</b>	<b>3.7</b>	

Appendix Ifii: Relative frequencies of the wild mammal taxa, by period and site type. British and French sites

Site	Wild Mammals						Reference
	red	roe	fallow	boar	rabbit	hare	
<b>E/M Saxon Village</b>							
Riby Cross Roads, Yorkshire	1						Scott, 1994
Spong Hill, Norfolk	5						Bond, 1995
West Stow, Suffolk	58	33				10	Crabtree, 1990
<b>Total</b>	<b>64</b>	<b>33</b>				<b>10</b>	<b>107</b>
<b>% By Category</b>	<b>60</b>	<b>31</b>				<b>9</b>	
<b>E/M Saxon Town</b>							
Maiden Lane, London	28						West and Rackham, 1993a
Jubilee Hall, London	6	1					West and Rackham, 1993a
Peabody Buildings, London		1				1	West and Rackham, 1993b
National Gallery, London	1	2					West and Rackham, 1993b
Itchen Abbas Road, Hampshire	19						Coy, 1987
Hamwih, Hampshire	12	8					Bourdillon and Coy, 1980
Ipswich, Suffolk	27	12				1	Crabtree, 1996
Ipswich, Suffolk	4	7					Jones and Serjeantson, 1983
Caister-on-Sea, Norfolk	13	1				1	Harman, 1993
Fishergate, Yorkshire	2	5		3			O'Connor, 1991
<b>Total</b>	<b>112</b>	<b>37</b>		<b>3</b>		<b>3</b>	<b>155</b>
<b>% By Category</b>	<b>72</b>	<b>24</b>		<b>2</b>		<b>2</b>	
<b>E/M Saxon High Status</b>							
Boltophs, Bramber, Sussex	10						Stevens, 1990
Ramsbury, Wiltshire	20	42					Coy, 1980
Portchester, Hampshire	318	206				29	Grant, 1975b
Saxon Palaces, Northampton		1				4	Harman, 1985b
Lake End Road, Essex	9	18		3		2	Powell, 1999
Lot's Hole, Essex				1			Powell, 1999
Brandon Suffolk	50	108				28	Crabtree, 1996
<b>Total</b>	<b>407</b>	<b>375</b>		<b>4</b>		<b>63</b>	<b>849</b>
<b>% By Category</b>	<b>48</b>	<b>44</b>		<b>0.5</b>		<b>7.5</b>	
<b>E/M Saxon Religious House</b>							
North Elmham, Norfolk	3	43				3	Noddle, 1980
St Albans, Hertfordshire	2	41					Crabtree, 1983
Wicken Bonhunt, Essex	16	143				4	Crabtree, 1996
<b>Total</b>	<b>21</b>	<b>227</b>				<b>7</b>	<b>255</b>
<b>% By Category</b>	<b>8</b>	<b>89</b>				<b>3</b>	
<b>Late Saxon Village</b>							
Steyning, Sussex						1	Collected personally
West Cotton, Northamptonshire							Albarella and Davis, 1994
Goltho, Lincolnshire	1	2				1	Jones and Ruben, 1987
Walton Vicarage, Buckinghamshire	12						Noddle, 1976
<b>Total</b>	<b>13</b>	<b>2</b>				<b>2</b>	<b>17</b>
<b>% By Category</b>	<b>76</b>	<b>12</b>				<b>12</b>	
<b>Late Saxon Town</b>							
Winchester, Hampshire	5	4				7	Bourdillon, 1992
Winchcombe, Gloucestershire		2					Levitan, 1985
West Gate, Gloucestershire	1						Maltby, 1979b
Bath, Avon	1						Grant, 1979
Newbury, Berkshire		1				4	Coy, 1997
St Ebbes, Oxfordshire		8	1			4	Wilson and Locker, 1989
St Aldates, Oxfordshire							Marples, 1977
Hereford city, Herefordshire	84	9	3				Noddle, 1985a
Brandon Road, Norfolk		1	1		1		Jones, 1993
St Nicholas' Street, Norfolk						1	Hutton-MacDonald, 1999
Thetford 1092, Norfolk	4						Jones, 1984
Mill Lane, Thetford, Norfolk		3					Albarella, 1999
St Martins-at palace plain, Norfolk		2	2		1	5	Cartledge, 1987
Fishergate, Norfolk	3					1	Jones, 1994a
Redcastle Furze, Norfolk						1	Wilson, 1995
St Peters Street, Northampton						1	Harman, 1979b
Lincoln city, Lincolnshire	5						Dobney <i>et al.</i> , 1995
Coppergate, Yorkshire	91	5		6		9	O'Connor, 1989a
Skeldergate, Yorkshire	1						O'Connor, 1984
Lurk Lane, Yorkshire	1	63		5		6	Scott, 1991
<b>Total</b>	<b>196</b>	<b>98</b>	<b>7</b>	<b>11</b>	<b>2</b>	<b>39</b>	<b>353</b>
<b>% By Category</b>	<b>55.5</b>	<b>28</b>	<b>2</b>	<b>3</b>	<b>0.5</b>	<b>11</b>	

Appendix Ifii: Relative frequencies of the wild mammal taxa, by period and site type. British and French sites

Site	Wild Mammals						Reference
	red	roe	fallow	boar	rabbit	hare	
<b>Late Saxon Hi. Status</b>							
Portchester, Hampshire	74	27				26	Grant, 1975b
Facombe Netherton, Hampshire	28	56				18	Sadler, 1990
Cheddar Palaces, Somerset	52	64		2			Higgs and Greenwood, 1979
Trowbridge castle, Wiltshire	10	19					Bourdillon, 1993
Ramsbury, Wiltshire	16	31					Coy, 1980
Castle Mall, Norfolk		2	1		5		Albarella <i>et al.</i> , 1997
Goltho, Lincolnshire	8	47	25		2	1	Jones and Ruben, 1987
Saxon Palaces, Northamptonshire	2	1				3	Harman, 1985b
<b>Total</b>	<b>190</b>	<b>247</b>	<b>26</b>	<b>2</b>	<b>7</b>	<b>48</b>	<b>520</b>
<b>% By Category</b>	<b>36</b>	<b>48</b>	<b>5</b>	<b>1</b>	<b>1</b>	<b>9</b>	
<b>Late Sax. Religious House</b>							
North Elmham, Norfolk	1	17			1		Noddle, 1980
Westminster Abbey, London	4	18			2	7	Rackham, 1994
Eynsham Abbey, Oxfordshire	4	47				8	Serjeantson <i>et al.</i> , forthcoming
St Albans Abbey, Hertfordshire		35				2	Crabtree, 1983
Jarrow, Northumberland	1	2					Noddle, 1987
<b>Total</b>	<b>10</b>	<b>119</b>			<b>3</b>	<b>17</b>	<b>149</b>
<b>% By Category</b>	<b>7</b>	<b>80</b>			<b>2</b>	<b>11</b>	
<b>Norman Village</b>							
West Cotton, Northamptonshire	1	1				4	Albarella and Davis, 1994
Walton Vicarage, Buckinghamshire	20						Noddle, 1976
<b>Total</b>	<b>21</b>	<b>1</b>				<b>4</b>	<b>26</b>
<b>% By Category</b>	<b>81</b>	<b>4</b>				<b>15</b>	
<b>Norman Town</b>							
Kings Lynn, Norfolk			1		1		Noddle, 1977
North Street, Lewes, Sussex	6	16	5				Collected personally
Exeter, Devon	3	2	2		1	5	Maltby, 1979a
Bath, Avon	2	1	4				Grant, 1979
St Ebbes, Oxfordshire	3	6				9	Wilson and Locker, 1989
Newbury, Berkshire			1		12		Coy, 1996
Brandon Road, Norfolk	1				1	1	Jones, 1993
St Martins-at-palace plain, Norfolk	3	5	7			5	Cartledge, 1987
St Nicholas' Street, Norfolk	1	1			8	7	Hutton MacDonald, 1999
Fishergate Norfolk	1	1				1	Jones, 1994a
Redcastle Furze, Norfolk		1			2		Wilson, 1995
Lincoln city, Lincolnshire	1						Dobney <i>et al.</i> , 1995
Coppergate, Yorkshire	7						O'Connor, 1989a
General Accident, Yorkshire	2			1			O'Connor, 1988
Skeldergate, Yorkshire	6					3	O'Connor, 1984
Fishergate, Yorkshire		2		1	1	1	O'Connor, 1991
Lurk Lane, Yorkshire		42	1	7		9	Scott, 1991
Eastgate, Yorkshire		10	3	7		23	Scott, 1992
<b>Total</b>	<b>36</b>	<b>87</b>	<b>24</b>	<b>16</b>	<b>26</b>	<b>64</b>	<b>253</b>
<b>% By Category</b>	<b>14</b>	<b>35</b>	<b>10</b>	<b>6</b>	<b>10</b>	<b>25</b>	
<b>Norman Hi. Status</b>							
Boltophs, Bramber, Sussex	6	1			1		Stevens, 1990
Pevensey Castle, Sussex	3	5	2	1		6	Powell and Serjeantson, forthcoming
Bramber Castle, Sussex			10		6		Westley, 1977
Guildford Castle, Surrey	1	1	3				Sykes, forthcoming
Carisbrooke Castle, Isle of Wight	10		27			131	Smith, 1994
Portchester, Hampshire	1		1				Grant, 1977
Facombe Netherton, Hampshires	611	246	91		30	29	Sadler, 1990
Cheddar Palaces, Somerset	1	22	3				Higgs and Greenwood, 1979
Launceston castle, Cornwall	3	1				1	Albarella and Davis, 1996
Trowbridge, Wiltshire	12	14	4			8	Bourdillon, 1994
Bristol Castle, Avon			93				Noddle, cited in Levitan 1987a
Banbury Castle, Oxfordshire	1	6					Gamble, 1983
Middleton Stoney, Oxfordshire	192						Levitan, 1984a
Castle Rising, Norfolk		3	7		10	1	Jones <i>et al.</i> , 1997
Saxon Palaces, Northamptonshire	1	1				3	Harman, 1985b
Sandal Castle, Yorkshire	1		5				Griffith <i>et al.</i> , 1983
Castle Mall, Norfolk			3			2	Albarella <i>et al.</i> , 1997
North Elmham, Norfolk	13	5	6		6	1	Noddle, 1980
Goltho, Lincolnshire	8	24	5		1	9	Jones and Ruben, 1987
<b>Total</b>	<b>964</b>	<b>329</b>	<b>260</b>	<b>1</b>	<b>54</b>	<b>191</b>	<b>1799</b>
<b>% By Category</b>	<b>54</b>	<b>18</b>	<b>14</b>	<b>0.05</b>	<b>3</b>	<b>11</b>	

Appendix Ifii: Relative frequencies of the wild mammal taxa, by period and site type. British and French sites

Site	Wild Mammals						Reference
	red	roe	fallow	boar	rabbit	hare	
<b>Norman Religious House</b>							
Eynsham Abbey, Oxfordshire	31	84	6		1	33	Serjeantson <i>et al.</i> , forthcoming Noddle, 1987
Jarrow, Northumberland	2						
<b>Total</b>	<b>33</b>	<b>84</b>	<b>6</b>		<b>1</b>	<b>33</b>	<b>157</b>
<b>% By Category</b>	<b>21</b>	<b>54</b>	<b>4</b>		<b>0.6</b>	<b>21</b>	
<b>Angevin Village</b>							
West Cotton, Northamptonshire			1			8	Albarella and Davis, 1994
Upton, Gloucestershire					1		Yealand and Higgs, 1966
Walton Vicarage, Buckinghamshire	22	3					Noddle, 1976
<b>Total</b>	<b>22</b>	<b>3</b>	<b>1</b>		<b>1</b>	<b>8</b>	<b>35</b>
<b>% By Category</b>	<b>63</b>	<b>9</b>	<b>2.5</b>		<b>2.5</b>	<b>23</b>	
<b>Angevin Town</b>							
Southampton, Hampshire	3					2	Noddle, 1975b
Quilter's Vault, Hampshire	1				1	0	Bourdillon, 1979
Exeter, Devon	9	3	5		1	30	Maltby, 1979a
Winchcombe, Gloucestershire		2					Levitan, 1985
Hereford city, Herefordshire	20	4	2				Noddle, 1985a
Bath, Avon	1		3				Grant, 1979
St Ebbes, Oxfordshire	5	5	5		1	5	Wilson and Locker, 1989
Newbury, Berkshire					13	1	Coy, 1996
Brandon Road, Norfolk	1					4	Jones, 1993
St Martins-at-palace plain, Norfolk	4	7	9		2	30	Cartledge, 1987
Alms Lane, Norfolk			1		1	1	Cartledge, 1985
Lincoln city, Lincolnshire	1						Dobney <i>et al.</i> , 1995
General Accident, Yorkshire	20	7		2			O'Connor, 1988
Lurk Lane, Yorkshire			75	2	2	8	Scott, 1991
<b>Total</b>	<b>65</b>	<b>28</b>	<b>100</b>	<b>4</b>	<b>21</b>	<b>81</b>	<b>299</b>
<b>% By Category</b>	<b>22</b>	<b>10</b>	<b>33</b>	<b>1</b>	<b>7</b>	<b>27</b>	
<b>Angevin Hi Stat.</b>							
North Elmham, Norfolk	71	6	22		3	3	Noddle, 1980
Lewes Castle, Sussex	20	18			1		collected personally
Guildford Castle, Surrey	2	1	4		1	4	Sykes, forthcoming
Portchester, Hampshire	9		7				Grant, 1977
Trowbridge, Wiltshire	13	3	5			4	Bourdillon, 1993
Oakhampton, Devon	112	36	48			24	Maltby, 1982
Launceston Castle, Cornwall	4	2			1		Albarella and Davis, 1996
Banbury Castle, Oxfordshire		2			9	4	Wilson, 1976
Castle Rising, Norfolk	2	9	152		333	96	Jones <i>et al.</i> , 1997
Castle Mall, Norfolk			1		5	2	Albarella <i>et al.</i> , 1997
Sandal Castle, Yorkshire	11		115				Griffith <i>et al.</i> , 1983
<b>Total</b>	<b>244</b>	<b>77</b>	<b>354</b>		<b>353</b>	<b>137</b>	<b>1165</b>
<b>% By Category</b>	<b>21</b>	<b>7</b>	<b>30</b>		<b>30</b>	<b>12</b>	
<b>Angevin Religious House</b>							
Austin Friars, Leicestershire	2		115		3	5	Thawley, 1981
Battle Abbey, Sussex					1	1	Locker, 1985
Lewes Friary, Sussex					8		Collected personally
St Gregory's Priory	3	1	1		1	1	Powell and Serjeantson forthcoming
Dominican Priory, Oxford		1				2	Harman, 1985a
Eynsham Abbey, Oxford	15	33	1			43	Serjeantson <i>et al.</i> , forthcoming
Dominican Friary, Chester						2	Morris, 1990
<b>Total</b>	<b>20</b>	<b>35</b>	<b>117</b>		<b>13</b>	<b>54</b>	<b>239</b>
<b>% By Category</b>	<b>8</b>	<b>15</b>	<b>49</b>		<b>5</b>	<b>23</b>	

Appendix Ifii: Relative frequencies of the wild mammal taxa, by period and site type British and French sites

	NISP			%			Total NISP
	red	roe	fallow	red	roe	fallow	
<b>Village</b>							
Early/Middle Saxon	64	33		66	34		97
Late Saxon	13	2		87	13		15
Norman	21	1		95	5		22
Angevin	22	3	1	85	12	3	26
<b>Town</b>							
Early/Middle Saxon	112	37		75	25		149
Late Saxon	196	98	7	65	33	2	301
Norman	36	87	24	24	59	16	147
Angevin	65	28	100	34	14	52	193
<b>High Status</b>							
Early/Middle Saxon	407	375		52	48		782
Late Saxon	190	247	26	41	53	6	463
Norman	964	329	260	62	21	17	1553
Angevin	244	77	354	36	11	53	675
<b>Religious</b>							
Early/Middle Saxon	21	227		8	92		248
Late Saxon	10	119		8	92		129
Norman	33	84	6	27	68	5	123
Angevin	20	35	117	12	20	68	172

French Data	Wild Mammals						Reference
	red	roe	fallow	boar	rabbit	hare	
<b>Town</b>							
Saint-Denis, Paris. ditch 14 771					40		Morel, 1985
Saint-Denis, Paris. ditch 14 779						1	Morel, 1985
Saint-Denis, Paris. ditch 14 806						3	Morel, 1985
Rue de Lutece, Paris. 10th century	2					5	Audoin-Rouzeau, 1989
Rue de Lutece, Paris. 12th century			1			2	Audoin-Rouzeau, 1989
Rue de Lutece, Paris. 12th/13th						1	Audoin-Rouzeau, 1989
Rue de Lutece, Paris. 12th/13th						1	Audoin-Rouzeau, 1989
Compiègne, Oise Phase I-III	6				7		Yvinec, 1997
Compiègne, Oise Phase IV	6				1	2	Yvinec, 1997
Compiègne, Oise Phase V	25	1			14	4	Yvinec, 1997
Compiègne, Oise Phase VI	16	3			42	3	Yvinec, 1997
Compiègne, Oise US 1622					4	1	Yvinec, 1997
Compiègne, Oise US 1460	1				1		Yvinec, 1997
<b>Total</b>	<b>56</b>	<b>5</b>		<b>69</b>	<b>43</b>	<b>29</b>	<b>202</b>
<b>%</b>	<b>28</b>	<b>3</b>		<b>34</b>	<b>21</b>	<b>14</b>	
<b>High Status</b>							
Chateau de Mayenne, Manche	33			300			Powell, 1998
Chateau de Mayenne, Manche	2			8			Powell, 1998
Vatteville, Seine Maritime	59	21			1	3	Collected personally
Grand Besle, Normandy	1					4	Lepiksaar, 1966-68
Compiègne, Oise Phase VII	6	1		12		1	Yvinec, 1997
Compiègne, Oise US 1056	5	5		17			Yvinec, 1997
Douai, Nord	8	12				10	Vadet, 1986
<b>Total</b>	<b>114</b>	<b>39</b>		<b>337</b>	<b>2</b>	<b>18</b>	<b>510</b>
<b>%</b>	<b>22</b>	<b>8</b>		<b>66</b>	<b>0.5</b>	<b>3.5</b>	
<b>Religious House</b>							
Saint Avit-Senieur, Dordogne	1	1			3	13	Gautier, 1972
Charite-sur-Loire, Nièvre						30	Audoin, 1984
Compiègne, Oise US1505	5	6		1		10	Yvinec, 1997
<b>Total</b>	<b>6</b>	<b>7</b>		<b>1</b>	<b>33</b>	<b>173</b>	<b>220</b>
<b>%</b>	<b>2</b>	<b>3</b>		<b>1</b>	<b>15</b>	<b>79</b>	





Appendix IIa: Dental ageing data for 1) early/middle Saxon, 2) late Saxon, 3) Norman and 4) Angevin Cattle

1) Early/Middle Saxon Cattle	Stage					Reference
	1	2	3	4	5	
<b>Village</b>						
West Stow, Suffolk	40	52	68	28	102	Crabtree, 1990
Mucking, Essex			2	3		Done, n.d.
Total	40	52	70	31	102	
%	13	18	24	11	34	
<b>Town</b>						
Hamwih, Hampshire	15	53	89	78	183	Bourdillon and Coy, 1980
Redcastle Furze, Norfolk	1	2	1	1	2	Wilson, 1995
Ipswich, Suffolk		15	26	12	47	Crabtree, 1996
Ipswich, Suffolk	5	8	18	9	15	Jones and Serjeantson (1983)
Fishergate, Yorkshire	2	2	6	9	2	O'Connor, 1991
Total	23	80	140	109	249	
%	4	13	23	18	42	
<b>High Status</b>						
Boltophs, Sussex		1	4	4	1	Stevens, 1990
Wicken Bonhunt, Essex	1	6	6	11	76	Crabtree, 1996
Lake End Road, Essex	9	18	37	38	27	Powell, 1998
Brandon, Suffolk	1	11	7	11	70	Crabtree, 1996
Total	11	36	54	64	174	
%	3	11	16	19	51	
<b>Early/Middle Saxon Totals</b>	<b>% Kill-off</b>					<b>Number of Mandibles</b>
<b>Village</b>	87	69	45	34	0	295
<b>Town</b>	96	83	60	42	0	601
<b>High Status</b>	97	86	70	51	0	339
<i>E/M Saxon Average</i>	93	79	58	42	0	1235

2) Late Saxon Cattle	Stage					Reference
	1	2	3	4	5	
<b>Village</b>						
West Cotton, Northampton	2	3	1		2	Albarella and Davis, 1994
Wharram Percy, Yorkshire	2		1	2	2	Stevens, 1992
Marefair, Northampton				5		Harman, 1979a
	4	3	2	7	4	
%	20	15	10	35	20	
<b>Town</b>						
Steyning, Sussex	2		1		4	Collected personally
Thetford 1092, Norfolk	1	4	2		5	Jones, 1984
Fishergate, Norfolk		1	3	4	3	Jones, 1994a
Fishergate, Norfolk			3	5	9	Jones, 1994a
Coppergate, Yorkshire	2	4	11	25	2	O'Connor, 1989a
Coppergate, Yorkshire		4	15	21	7	O'Connor, 1989a
Coppergate, Yorkshire		1	6	21		O'Connor, 1989a
Coppergate, Yorkshire		2	12	34	3	O'Connor, 1989a
Brandon Road, Norfolk		1	9	5	20	Jones, 1993
Winchester, Hampshire			4	3	9	Bourdillon, 1992
Ipswich, Suffolk		1	1		2	Jones and Serjeantson, 1983
Lincoln City, Lincolnshire		1	8	19	17	Dobney <i>et al.</i> , 1995
Eastgate, Yorkshire	1		1	2		Scott, 1992
Total	6	19	76	139	81	
%	2	6	24	43	25	
<b>High Status</b>						
Facombe Netherton, Hampshire	1		1	1	8	Sadler, 1990
Portchester Castle, Hampshire	1	1	19	14	45	Grant, 1975b
Trowbridge, Wiltshire			2	3	4	Bourdillon, 1993
Catle Mall, Norwich	2	2	4	15	13	Albarella, 1997
Total	4	33	26	33	70	
%	2	20	16	20	42	
<b>Late Saxon Totals</b>	<b>% Kill-off</b>					<b>Number of Mandibles</b>
<b>Village</b>	80	65	55	20	0	20
<b>Town</b>	98	92	68	25	0	321
<b>High Status</b>	98	78	62	42	0	166
<i>Average</i>	92	78	62	29	0	507

Appendix IIa: Dental ageing data for 1) early/middle Saxon, 2) late Saxon,  
3) Norman and 4) Angevin Cattle

3) Norman Cattle	Stage					Reference
	1	2	3	4	5	
<b>Village</b>						
West Cotton, Northampton	3	10	5	19	24	Albarella and Davis, 1994
Marefair, Northampton			2	5	1	Harman, 1979a
Walton Road, Buckinghamshire			4	6		Sadler, 1989
Total	3	10	11	30	25	
%	4	13	14	38	31	
<b>Town</b>						
St Nicholas Street, Norfolk	1	1	3	1	5	Hutton-MacDonald, 1999
General Accident, Yorkshire			1	2		O'Connor, 1988
Coppergate, Yorkshire			3	4	1	O'Connor, 1989a
Exeter, Devon		1	2	15	4	Maltby, 1979a
Brandon Road, Norfolk		2	4	5	14	Jones, 1993
St Ebbes, Oxford	2	1	3	1	3	Wilson and Locker, 1989
St Ebbes, Oxford		2	4	2	1	Wilson and Locker, 1989
Ipswich, Suffolk		1	1		1	Jones and Serjeantson, 1983
Lincoln City, Lincolnshire			1		2	Dobney <i>et al.</i> , 1995
Eastgate, Yorkshire				1		Scott, 1992
Total	3	8	22	31	31	
%	3	8	23	33	33	
<b>High Status</b>						
Portchester Castle, Hampshire				1	6	Grant, 1977
Facombe Netherton, Hampshire		1	1	5	21	Sadler, 1990
Trowbridge, Wiltshire	1	1	1	2	2	Bourdillon, 1993
Castle Rising Castle, Norfolk					6	Jones <i>et al.</i> , 1997
Castle Mall, Norfolk			7	16	14	Albarella, 1997
Total	1	2	9	24	49	
%	1	2	11	28	58	
	% Kill-off					Number of Mandibles
Norman Village	96	83	69	31	0	79
Norman Town	97	89	66	33	0	95
Norman High Status	99	97	86	58	0	85
Average	97	90	74	41	0	259

4) Angevin Cattle	Stage					Reference
	1	2	3	4	5	
<b>Village</b>	Insufficient Data					
<b>Town</b>						
General Accident, Yorkshire	1	1	4	16	12	O'Connor, 1988
General Accident, Yorkshire				7	3	O'Connor, 1988
Exeter, Devon		1	1	1	3	Maltby, 1979
St Ebbes, Oxford	1		9	2	3	Wilson and Locker, 1989
Eastgate, Yorkshire		1	1	1		Scott, 1992
Lincoln City, Lincolnshire				5	3	Dobney <i>et al.</i> , 1995
Total	2	3	15	32	24	
%	3	4	20	42	31	
<b>High Status</b>						
Facombe Netherton, Hampshire	16	1	2	6	18	Sadler, 1990
Portchester Castle, Hampshire	1		1	12	13	Grant, 1977
Castle Mall, Norfolk			1	3	5	Albarella <i>et al.</i> , 1997
Total	17	1	4	21	36	
%	22	1	5	27	45	
	% Kill-off					Number of Mandibles
Village						
Town	97	93	73	31	0	76
High Status	78	77	72	45	0	79
Average	88	85	73	38	0	155

Appendix IIb: Dental ageing data for 1) Early/Middle Saxon, 2) Late Saxon, 3) Norman and 4) Angevin Sheep

1) Early/Middle Saxon sheep	Stage					Reference
	1	2	3	4	5	
<b>Village</b>						
Marefair, Northampton		1	6	6		Harman, 1979a
West Stow, Suffolk	6	39	18	36	1	Crabtree, 1990
Mucking, Essex	1	3		4		Done, n.d
Total	7	43	24	46	1	
%	6	35	20	38	1	
<b>Town</b>						
Hamwih, Hampshire	22	75	102	252	216	Bourdillon 1988
Redcastle Furze, Norfolk	3	12	12	17		Wilson, 1995
Ipswich, Suffolk	5	36	11	48		Crabtree, 1996
Ipswich, Suffolk	10	38	23	28		Jones and Serjeantson, 1983
Fishergate, Yorkshire	1	5	9	20		O'Connor, 1991
Total	41	166	157	365	216	
%	4	17	17	39	23	
<b>High-Status</b>						
Boltophs, Sussex	1	1	1	1	1	Stevens, 1990
Lake End Road	1	16	16	37	6	Powell, 1999
Brandon, Suffolk	3	6	18	69	4	Crabtree, 1996
Wicken Bonhunt, Essex	9	8	5	77	1	Crabtree, 1996
Total	14	31	40	184	12	
%	5	11	14	66	4	
<b>Early/Middle Saxon Totals</b>	<b>% Kill-off</b>					<b>Number of Mandibles</b>
<b>Village</b>	94	59	39	1	0	121
<b>Town</b>	96	79	62	23	0	945
<b>High Status</b>	95	84	70	4	0	281
<i>Average</i>	95	74	57	9	0	1347

2) Late Saxon Sheep	Stage					Reference
	1	2	3	4	5	
<b>Village</b>						
West Cotton, Northampton		1	1	4		Albarella and Davis, 1994
Wharram Percy, Yorkshire	6	9	9	15		Stevens, 1992
Marefair, Northampton				6		Harman, 1979a
Total	6	10	10	24		
%	12	20	20	48		
<b>Town</b>						
Winchcombe		2	5	7		Levitan, 1985
Steyning, Sussex	2	7	5	39		Collected personally
St Ebbes, Oxford			1	1		Wilson and Locker, 1989
St Ebbes, Oxford	9	3	40	50		Wilson and Locker, 1989
St Magnus, London		3	1	5		Armitage, 1979
Thetford 1092, Norfolk	2	2	16	43		Jones, 1984
Brandon Road, Norfolk	2	2	16	43		Jones, 1993
Lincoln City, Lincolnshire			4	12		Dobney <i>et al.</i> , 1995
Thetford 1092, Norfolk		1	12	7	1	Jones, 1984
Coppergate, Yorkshire	1		8	51		O'Connor, 1989a
Coppergate, Yorkshire	6	11	12	36		O'Connor, 1989a
Coppergate, Yorkshire	1	1	5	13		O'Connor, 1989a
Coppergate, Yorkshire		4	12	18		O'Connor, 1989a
Fishergate, Norfolk	1		4	4		Jones, 1994a
Winchester, Hampshire	9	1	4	34		Bourdillon, 1992
Ipswich, Suffolk		1	1	3		Jones and Serjeantson, 1983
Eastgate, Yorkshire			2	2		Scott, 1992
Total	33	38	148	368	1	
%	6	6	25	63	0	

Appendix IIb: Dental ageing data for 1) Early/Middle Saxon, 2) Late Saxon,  
3) Norman and 4) Angevin Sheep

2) Late Saxon Sheep (continued)	Stage					Reference
	1	2	3	4	5	
<b>High-Status</b>						
Eynsham Abbey, Oxford	1	5	2	9	1	Serjeantson <i>et al.</i> , forthcoming
Castle Mall, Norfolk	5	2	9	34		Albarella <i>et al.</i> , 1997
Portchester Castle, Hampshire	10	28	42	162	1	Grant, 1975b
Facombe Netherton, Hampshire	2	4	2	10		Sadler, 1990
Trowbridge, Wiltshire		3	2	12		Bourdillon, 1993
Total	18	42	57	227	2	
%	5	12	16	66	1	
<b>Late Saxon Totals</b>						
	% Kill-off					Number of Mandibles
<b>Village</b>	88	68	48	0	0	50
<b>Town</b>	94	88	63	0	0	588
<b>High-Status</b>	95	83	67	1	0	346
Average	92	80	59	0.3	0	

3) Norman Sheep	Stage					Reference
	1	2	3	4	5	
<b>Village</b>						
West Cotton, Northampton	1	8	12	77	2	Albarella and Davis, 1994
Boltophs, Sussex				2	2	Stevens, 1990
Mairefair, Northampton				3		Harman, 1979a
Walton Road, Buckinghamshire	1	3	6	14		Sadler, 1989
Total	2	11	18	96	4	
%	2	8	14	73	3	
<b>Town</b>						
The Hamel, Oxford		5	6	7		Wilson, 1980
St Magnus, Lodon			2	5		Armitage, 1979
St Nicholas Street, Norfolk	1	7		17	2	Hutton-MacDonald, 1999
Brandon Road, Norfolk	1	1	20	61	1	Jones, 1993
Redcastle Furze, Norfolk	1	1	14	50		Wilson, 1995
Bath, Avon	6	3	7	15		Grant, 1979
Steyning, Sussex	3	7	12	68	4	Collected personally
Exeter, Devon	4	16	9		2	Maltby, 1979a
Coppergate, Yorkshire			3	5		O'Connor, 1989a
St Ebbes, Oxford	4	4	20	28		Wilson and Locker, 1989
Ipswich, Suffolk				4		Jones and Serjeantson, 1983
Lincoln City, Lincolnshire			1	6		Dobney <i>et al.</i> , 1995
Fishergate, Yorkshire		1	1	1		O'Connor, 1991
Eastgate, Yorkshire	2	2	5	19	3	Scott, 1992
Total	22	47	100	286	12	
%	5	10	21	61	3	
<b>High-Status</b>						
Castle Rising Castle, Norfolk				4	2	Jones <i>et al.</i> , 1997
Castle Mall, Norfolk	2	2	5	17	1	Albarella <i>et al.</i> , 1997
Eynsham Abbey, Oxford	2	4	17	20	11	Serjeantson <i>et al.</i> , forthcoming
Portchester Castle, Hampshire	4	3	8	30	1	Grant, 1977
Facombe Netherton, Hampshire	2	2	1	6		Sadler, 1990
Trowbridge, Wiltshire		2	4	6		Bourdillon, 1993
Yatesbury, Wiltshire		2	10	15	3	Sykes, forthcoming
Guildford Castle, Surrey	1	1		3		Collected personally
Total	11	16	45	101	18	
%	6	8	24	53	9	
<b>Norman Totals</b>						
	% Kill-off					Number of Mandibles
<b>Village</b>	98	90	76	3	0	131
<b>Town</b>	95	85	64	3	0	467
<b>High-Status</b>	94	86	62	9	0	191
Average	96	87	67	5	0	

Appendix IIb: Dental ageing data for 1) Early/Middle Saxon, 2) Late Saxon,  
3) Norman and 4) Angevin Sheep

4) Angevin Sheep	Stage					Reference
	1	2	3	4	6	
<b>Village</b>						
Marefair, Northampton	1		6	27	1	Harman, 1979a
%	3		17	77	3	
<b>Town</b>						
General Accident, Yorkshire		1	2	27		O'Connor, 1988
General Accident, Yorkshire				4	2	O'Connor, 1988
Exeter, Devon	12	26	36	6	13	Maltby, 1979a
St Ebbes, Oxford	9	9	26	74	3	Wilson and Locker, 1989
The Hamel, Oxford		3	6	46	3	Wilson, 1980
Dean Court, Oxford			4	13	1	Jones, 1994b
George Street, Buckinghamshire	1		4	6		Jones, 1983
Lincoln City, Lincolnshire			2	6		Dobney <i>et al.</i> , 1995
Eastgate, Yorkshire	4	1	11	11	5	Scott, 1992
Total	26	40	91	193	27	
%	7	11	24	51	7	
<b>High Status</b>						
Eynsham Abbey, Oxford	2			8	1	Serjeantson <i>et al.</i> , forthcoming
Castle Mall, Norfolk	1		5	14	1	Albarella <i>et al.</i> , 1997
Facombe Netherton, Hampshire	1	1	1	25	3	Sadler, 1990
Portchester Castle, Hampshire	4	1	3	12		Grant, 1977
Guildford Castle, Surrey	5	1	2	12	1	Collected personally
Canterbury Cathedral, Kent		2	3	4		Driver, 1990
Trowbridge, Wiltshire		2		1		Bourdillon, 1993
Total	13	7	14	76	6	
%	11	6	12	66	5	
<b>Angevin Totals</b>						
	% Kill-off					Number of Mandibles
<b>Village</b>	97	97	80	3	0	35
<b>Town</b>	93	82	58	7	0	377
<b>High Status</b>	89	83	71	5	0	116
<i>Average</i>	93	87	70	5	0	528

Appendix IIc: Dental sgeing Data for 1) Early/Middle Saxon, 2) Late Saxon,  
3) Norman and 4) Angevin Pigs

1) Early/Middle Saxon Pigs	Stage					Reference
	1	2	3	4	5	
<b>Village</b>						
West Stow, Suffolk	42	44	87	135	7	Crabtree, 1990
Mucking, Essex	1	7		1		Done, n.d.
Marefair, Northampton		1	2	3	1	Harman, 1979a
Total	43	52	89	139	8	
%	13	16	27	42	2	
<b>Town</b>						
Hamwih, Hampshire	6	90	136	117	84	Bourdillon, 1988
Ipswich, Suffolk	14	22	26	20	3	Crabtree, 1996
Ipswich, Suffolk	3	18	30	52	0	Jones and Serjeantson, 1983
Fishergate, Yorkshire	0	8	0	10	0	O'Connor, 1991
Total	23	138	192	199	87	
%	4	22	30	31	13	
<b>High Status</b>						
Lake End Road	7	37	41	44	2	Powell, 1999
Brandon, Suffolk	31	20	21	25	2	Crabtree, 1996
Wicken Bonhunt, Essex	18	60	93	118	33	Crabtree, 1996
St Albans,	1	5	11	21	10	Crabtree, 1983
Total	57	122	166	208	47	
%	9	20	28	35	8	
<b>Early/Middle Saxon Totals</b>	<b>% Kill-off</b>					<b>Number of Mandibles</b>
<b>Village</b>	87	71	44	2	0	331
<b>Town</b>	96	74	44	13	0	639
<b>High Status</b>	91	71	43	8	0	600
<i>Average</i>	91	72	44	8	0	

2) Late Saxon Pigs	Stage					Reference
	1	2	3	4	5	
<b>Village</b>						
Wharram Percy, Yorkshire		1	4	1		Stevens, 1992
Marefair, Northampton			1	4		Harman, 1979a
Total		1	5	5		
%	0	10	45	45	0	
<b>Town</b>						
Steyning, Sussex	1	3	4	1		Collected personally
St Magnus, London				4	5	Armitage, 1979
St Ebbes, Oxford	1	7	11	8		Wilson and Locker, 1989
Coppergate, Yorkshire, period 3	2	7	13	16		O'Connor, 1989a
Coppergate, Yorkshire, period 4		8	15	9		O'Connor, 1989a
Coppergate, Yorkshire, period 5a	1	7	19	14		O'Connor, 1989a
Coppergate, Yorkshire, period 5b		7	28	15		O'Connor, 1989a
Brandon Road, Norfolk		8	11	9	3	Jones, 1993
Thetford 1092, Norfolk	1	7	12	6	5	Jones, 1984
Winchester, Hampshire	2	6	17	8	6	Bourdillon, 1992
Ipswich, Suffolk		1	3			Jones and Serjeantson, 1983
Lincoln City, Lincolnshire		3	2	4		Dobney <i>et al.</i> , 1995
Total	8	64	135	94	19	
%	3	20	42	29	6	
<b>Late Saxon High Status</b>						
Eynsham Abbey, Oxford	1	7	11	8		Serjeantson <i>et al.</i> , forthcoming
Castle Mall, Norfolk	3	10	16	6	2	Albarella <i>et al.</i> , 1997
Facombe Netherton, Hampshire	1	3	9	5	5	Sadler, 1990
Portchester Castle, Hampshire	5	13	53	39	14	Grant, 1975b
Trowbridge, Wiltshire		2	17	6	3	Bourdillon, 1993
Total	10	35	106	64	24	
%	4	15	44	27	10	
<b>Late Saxon Totals</b>	<b>% Kill-off</b>					<b>Number of Mandibles</b>
<b>Village</b>	100	90	45	0	0	11
<b>Town</b>	97	77	35	6	0	320
<b>High Status</b>	96	81	37	10	0	239
<i>Average</i>	97	83	37	3	0	

Appendix IIc: Dental sgeing Data for 1) Early/Middle Saxon, 2) Late Saxon,  
3) Norman and 4) Angevin Pigs

3) Norman Pigs	Stage					Reference
	1	2	3	4	5	
<b>Village</b>						
West Cotton, Northampton	3	11	16	6		Albarella and Davis, 1994
Marefair, Northampton	0	0	0	2		Harman, 1979a
Total	3	11	16	8		
%	8	29	42	21	0	
<b>Town</b>						
Exeter, Devon	5	6	38	13	8	Maltby, 1979a
St Nicholas Street, Norfolk	2	5	1			Hutton-MacDonald, 1999
Fishergate, Norfolk		5	4	9		Jones, 1994a
Red Castle Furze, Norfolk	9		14	2		Wilson, 1995
Coppergate, Yorkshire			2	4		O'Connor, 1989a
Fishergate, Yorkshire		1		1		O'Connor, 1991
Brandon Road, Norfolk		9	17	12	4	Jones, 1993
General Accident, Yorkshire		1				O'Connor, 1988
St Magnus, London			1	3	6	Armitage, 1979
St Ebbes, Oxford	2	1	7	3		Wilson and Locker, 1989
Ipswich, Suffolk		3	5	1		Jones and Serjeantson, 1983
Lincoln City, Lincolnshire				1		Dobney <i>et al.</i> , 1995
Eastgate, Yorkshire	3	3	6			Scott, 1992
Total	21	34	95	49	18	
%	10	16	44	22	8	
<b>High Status</b>						
Eynsham Abbey, Oxford	10	7	44	41		Serjeantson <i>et al.</i> , forthcoming
Castle Mall, Norfolk	4	13	21	5		Albarella <i>et al.</i> , 1997
Portchester Castle, Hampshire	1	2	4	3	1	Grant, 1977
Facombe Netherton, Hampshire	9	2	7	4	4	Sadler, 1990
Trowbridge, Wiltshire	2	6	12	1		Bourdillon, 1993
Guildford Castle, Surrey	1		1	1		Collected personally
Total	27	30	89	55	5	
%	13	15	43	27	2	
<b>Norman Totals</b>	% Kill-off					Number of Mandibles
<b>Village</b>	92	63	21	0	0	38
<b>Town</b>	90	74	30	8	0	217
<b>High Status</b>	87	72	29	2	0	206
<i>Average</i>	90	70	27	3	0	461

4) Angevin Pigs	Stage					Reference
	1	2	3	4	5	
<b>Village</b>						
Marefair, Northampton		1	3	3	3	Harman, 1979a
%		10	30	30	30	
<b>Town</b>						
General Accident, Yorkshire			14	9		O'Connor, 1988
General Accident, Yorkshire		2	1	2		O'Connor, 1988
Exeter, Devon	2	4	17	3	5	Maltby, 1979a
St Ebbes, Oxford	1	9	8	5		Wilson and Locker, 1989
St Magnus, London			3	5	1	Armitage, 1979
Lincoln City, Lincolnshire			1	2		Dobney <i>et al.</i> , 1995
Eastgate, Yorkshire	3	7	1			Scott, 1992
Total	6	22	45	26	6	
%	6	21	43	25	5	
<b>High Status</b>						
Facombe Netherton, Hampshire	3	5	12	21	7	Sadler, 1990
Portchester Castle, Hampshire	1	4	4	6	1	Grant, 1977
Guildford Castle, Surrey	6	17	24	6	3	Collected personally
Eynsham Abbey, Oxford		2	14	15	1	Serjeantson <i>et al.</i> , forthcoming
Castle Mall, Norfolk	2	2	4	1	1	Albarella <i>et al.</i> , 1997
Trowbridge, Wiltshire			6	1		Bourdillon, 1993
Total	12	30	64	50	13	
%	7	18	38	30	7	
<b>Angevin Totals</b>	% Kill-off					Number of Mandibles
<b>Village</b>	100	90	60	30	0	46
<b>Town</b>	94	73	30	5	0	105
<b>High Status</b>	93	75	37	7	0	169
<i>Average</i>	96	79	42	14	0	320

Appendix II: Dental Ageing Data for French Sites

Number of Mandibles						
Site	Stage					Reference
	1	2	3	4	5	
<b>Cattle</b>						
Dury, Somme (Village)			1	4	4	Yvinec, 1999
Compiègne, Oise (Town)			1	3	8	Yvinec, 1997
Vatteville, Seine Maritime (High Status)	2	1		2	4	Collected personally
<b>Sheep</b>						
Dury, Somme (Village)	1	3	8	13	10	Yvinec, 1999
Compiègne, Oise (Town)		3	12	13	3	Yvinec, 1997
Vatteville, Seine Maritime (High Status)	3			3		Collected personally
Douai, Nord (High Status)	9	9	19	2		Vadet, 1986
<b>Pigs</b>						
Dury, Somme (Village)		3	4		1	Yvinec, 1999
Compiègne, Oise (Town)	27	11	2	4		Yvinec, 1997
Compiègne, Oise (High Status)	29	14	7	5	2	Yvinec, 1997
Vatteville, Seine Maritime (High Status)		10	44	19	1	Collected personally
Douai, Nord (High Status)	57	83	19	41	41	Vadet, 1986

Kill-off Data (% Alive)						
Site	Stage					Reference
	1	2	3	4	5	
<b>Cattle</b>						
Dury, Somme (Village)	100	100	89	44.5	0	Yvinec, 1999
Compiègne, Oise (Town)	100	100	92	67	0	Yvinec, 1997
Vatteville, Seine Maritime (High Status)	78	67	67	45	0	Collected personally
<b>Sheep</b>						
Dury, Somme (Village)	97	88	65	27	0	Yvinec, 1999
Compiègne, Oise (Town)	100	90	52	10	0	Yvinec, 1997
Vatteville and Douai (High Status)	73	53	11	0	0	Collected personally and Vadet, 1986
<b>Pigs</b>						
Dury, Somme (Village)	100	62	12	12	0	Yvinec, 1999
Compiègne, Oise (Town)	39	14	9	0	0	Yvinec, 1997
Vatteville, Seine Maritime (High Status)	77	48	29	12	0	Collected personally and Vadet, 1986



Appendix IIIa: Body Part Data for Late Saxon and Norman Cattle from

1) Villages, 2) Towns and 3) High-Status Sites

1) Villages	Horn	Mand	Scap	Hum	Rad	Pelv	Fem	Tib	Meta	Phal	Reference
<b>Late Saxon</b>											
Maxey, Northamptonshire	1	13	4	3	7	5	5	3	4	1	Seddon <i>et al.</i> , 1964
Goltho, Lincolnshire	6	10	2	2	6	1	2	1	11	0	Jones and Ruben, 1987
Wharram Percy, Yorkshire	0	4	6	4	3	9	4	3	10	3	Stevens, 1992
<b>Total</b>	7	27	12	9	16	15	11	7	25	4	
	26	100	44	33	59	56	41	26	93	15	
<b>Norman</b>											
Brighton Hill South, Hampshire	1	7	4	5	3	7	6	3	2	2	Coy, 1995
Walton Road, Buckinghamshire	2	8	4	4	4	1	3	2	2	1	Sadler, 1989
West Cotton, Northamptonshire		29	19	13	18	30	7	27	20	9	Albarella and Davis, 1994
<b>Total</b>	3	44	27	22	25	38	16	32	24	12	
	7	100	61	50	57	86	36	73	55	27	

2) Towns	Horn	Mand	Scap	Hum	Rad	Pelv	Fem	Tib	Meta	Phal	Reference
<b>Late Saxon a)</b>											
Thetford 1092, Norfolk	188	27	18	14	19	12	9	13	25	3	Jones, 1984
<b>Total</b>	100	14	9	7	10	6	5	7	13	1	
<b>Late Saxon b)</b>											
Winchester, Hampshire	17	40	45	42	40	39	38	38	23	4	Bourdillon, 1992
Ipsich, Suffolk	6	24	10	14	17	23	9	12	9	1	Jones and Serjeantson, 1983
Redcastle Furze, Norfolk	5	25	20	9	8	11	6	8	11	3	Wilson, 1995
Redcastle Furze, Norfolk	1	20	5	3	4	5	1	3	4	2	Wilson, 1995
St Peters Street, Northamptonshire		4	11	9	8	10	7	12	5	1	Harman, 1979b
Waterfront, Lincolnshire	4	8	3	4	6	6	3	7	8	1	Dobney <i>et al.</i> , 1995
Wigford, Lincolnshire	33	62	9	9	16	17	8	10	31	2	Dobney <i>et al.</i> , 1995
Flaxengate, Lincolnshire	7	36	30	13	54		12	24	30	12	O'Connor, 1982a
Fishergate, Yorkshire 3c	7	11	6	8	7	8	6	7	8	4	O'Connor, 1991
Fishergate, Yorkshire 3c	3	6	5	4	4	4	3	3	2	2	O'Connor, 1991
Coppergate, Yorkshire 15311	4	8	6	12	7	7	7	7	10		Bond and O'Connor, 1999
<b>Total</b>	87	244	150	127	171	130	100	131	141	32	
	36	100	61	52	70	53	40	54	58	13	
<b>Norman</b>											
Bath, Avon	13	8	9	11	14	24	20	22	14	4	Grant, 1979
Westgate, Gloucestershire	0	11	7	5	5	5	7	7	5	1	Maltby, 1979b
Brandon Road, Norfolk	12	24	22	15	23	16	9	17	26	6	Jones, 1993
Hereford City, Herefordshire	6	3	2	3	2		3	2	4	1	Noddle, 1985a
North Street, Sussex	4	7	3	14	10	6	11	18	9	2	Collected personally
Wigford, Lincolnshire	17	13	1	9	15	7	9	5	11	1	Dobney <i>et al.</i> , 1995
Flaxengate, Lincolnshire	7	17	35	22	38		11	14	11	8	O'Connor, 1982a
Coppergate, Yorkshire 5981	4	6	6	11	8	14	12	8	6		Bond and O'Connor, 1999
Coppergate, Yorkshire 16734	8	11	12	11	13	20	19	14	10		Bond and O'Connor, 1999
<b>Total</b>	71	100	97	101	128	92	101	107	96	23	
	55	78	76	79	100	72	78	84	75	18	

3) High Status	Horn	Mand	Scap	Hum	Rad	Pelv	Fem	Tib	Meta	Phal	Reference
<b>Late Saxon</b>											
Canterbury Castle, Sussex	3	3	3	3	5	4	3	2	5	1	King, 1982
North Elmham, Norfolk		108	34	49	36	34	44	45	28	2	Noddle, 1980
Faccombe Netherton, Hampshire	5	9	7	15	6	5	12	13	7	1	Sadler, 1990
Portchester Castle, Hampshire	99	139	65	80	77	96	55	83	98	12	Grant, 1975b
Goltho, Lincolnshire	6	18	6	10	7	9	4	8	13	1	Jones and Ruben, 1987
Eynsham Abbey, Oxfordshire (2f)	1	7	11	7	4	5	8	8	8	2	Serjeantson <i>et al.</i> , forth.
Castle Mall, Norfolk		17	14	19	12	14	5	28	19	9	Albarella <i>et al.</i> , 1997
St Albans, Hertfordshire	0	2	6	5	5	7	5	5	1	1	Crabtree, 1983
<b>Total</b>	114	303	146	188	152	174	136	192	179	29	
	38	100	48	62	50	58	45	64	59	10	
<b>Norman</b>											
Prudhoe Castle, Northumberland		1	2	1	3		1	5	1		Davis, 1987
Sandal Castle, Yorkshire		5		2	1		1	6	2		Griffith <i>et al.</i> , 1983
Goltho, Lincolnshire	2	9	18	12	19	10	30	10	26	8	Jones and Ruben, 1987
North Elmham, Norfolk		8	8	17	9	10	10	10	12	1	Noddle, 1980
Castle Mall, Norfolk period 2		3	15	12	8	11	4	13	16	6	Albarella <i>et al.</i> , 1997
Castle Mall, Norfolk period 3		6	4	1	1	2	1	2	3	1	Albarella <i>et al.</i> , 1997
Faccombe Netherton, Hampshire	2	21	13	9	10	7	15	8	11	7	Sadler, 1990
Pevensey Castle, Sussex	2	6	5	5	4	6	4	8	4	2	Powell and Serjeantson, forth.
Carisbrooke Castle, Isle of Wight		1	6	5	4	5	5	5	6		Smith, 1994
Carisbrooke Castle, Isle of Wight		3	7	10	8	14	10	10	2		Smith, 1994
Carisbrooke Castle, Isle of Wight		0	1	6	2	2	2	3	2		Smith, 1994
Eynsham Abbey, Oxford (3a)	2	23	13	10	10	11	8	9	23	2	Serjeantson <i>et al.</i> , forth.
Eynsham Abbey, Oxford (3b)	6	34	22	10	10	10	21	10	20	2	Serjeantson <i>et al.</i> , forth.
<b>Total</b>	14	120	114	100	89	88	112	99	128	29	
	11	94	89	78	69	68	87	77	100	22	

Appendix IIIb: Body Part Data for Late Saxon and Norman Sheep from  
1) Village, 2) Town and 3) High Status sites

1) Villages	Horn	Mand	Scap	Hum	Rad	Fem	Tib	Meta	Phal	Reference
<b>Late Saxon</b>										
Maxey, Northamptonshire	1	13	4	7	4	5	13	4	1	Seddon <i>et al.</i> , 1964 Stevens, 1992
Wharram Percy, Yorkshire		25	8	13	4	7	18	7	2	
<b>Total</b>	<b>1</b>	<b>38</b>	<b>12</b>	<b>20</b>	<b>8</b>	<b>12</b>	<b>31</b>	<b>11</b>	<b>3</b>	
	<b>3</b>	<b>100</b>	<b>32</b>	<b>53</b>	<b>21</b>	<b>32</b>	<b>82</b>	<b>29</b>	<b>8</b>	
<b>Norman Village</b>										
Brighton Hill South, Hampshire	1	8	2	4	7	2	10	6	1	Coy, 1988
Walton Road, Buckinghamshire	2	8	1	8	6	5	12	8	1	Sadler, 1989
West Cotton, Northamptonshire		43	9	15	13	5	24	10	3	Albarella and Davis, 1994
<b>Total</b>	<b>3</b>	<b>59</b>	<b>12</b>	<b>27</b>	<b>26</b>	<b>12</b>	<b>46</b>	<b>24</b>	<b>5</b>	
	<b>5</b>	<b>100</b>	<b>20</b>	<b>46</b>	<b>44</b>	<b>20</b>	<b>78</b>	<b>41</b>	<b>8</b>	

2) Towns	Horn	Mand	Scap	Hum	Rad	Fem	Tib	Meta	Phal	Reference
<b>Late Saxon a)</b>										
Wigford, Lincolnshire	2	18	10	8	15	6	16	20	1	Dobney <i>et al.</i> , 1995
<b>Total</b>	<b>10</b>	<b>90</b>	<b>50</b>	<b>40</b>	<b>75</b>	<b>30</b>	<b>80</b>	<b>100</b>	<b>5</b>	
<b>Late Saxon b)</b>										
Bath, Avon	3	3	3	3	4	1	2	2	1	Grant, 1979
Westgate, Gloucestershire		5	2	2	3	1	6	4		Maltby, 1979b
Thetford 1092, Norfolk	22	25	39	20	28	12	25	12	2	Jones, 1984
Hereford city, Herefordshire	3	6	4	3	5	2	6	4	1	Noddle, 1985a
Winchester, Hampshire	10	42	27	19	33	10	45	30	1	Bourdillon, 1992
Ipswich, Suffolk,	6	5	1	4	10	3	6	4	1	Jones and Serjeantson, 1983
St Peters Street, Northamptonshire		4	11	9	8	7	12	5	1	Harman, 1979b
Flaxengate, Lincolnshire	4	33	34	32	31	5	29	33	2	O'Connor, 1982a
Fishergate, Yorkshire	5	10	5	4	5	5	5	6	1	O'Connor, 1991
<b>Total</b>	<b>53</b>	<b>133</b>	<b>126</b>	<b>96</b>	<b>127</b>	<b>46</b>	<b>136</b>	<b>100</b>	<b>10</b>	
	<b>39</b>	<b>98</b>	<b>93</b>	<b>71</b>	<b>93</b>	<b>34</b>	<b>100</b>	<b>74</b>	<b>7</b>	
<b>Norman</b>										
Bath, Avon	25	25	17	24	22	7	9	18	1	Grant, 1979
Brandon Road, Norfolk	19	54	29	20	22	9	4	36	1	Jones, 1993
Redcastle Furze, Norfolk	14	59	8	15	14	3	13	12	2	Wilson, 1995
Hereford city, Herefordshire	2	4	2	3	5	3	8	5	1	Noddle, 1985a
North Street, Sussex	33	44	13	28	23	32	51	44	3	Collected personally
Wigford, Lincolnshire	5	15	9	7	13	1	7	9	1	Dobney <i>et al.</i> , 1995
Flaxengate, Lincolnshire	21	88	52	59	77	16	72	48	4	O'Connor, 1982a
Copperghate, Yorkshire 16612	4	6	5	16	9	7	12	7		Bond and O'Connor 1999
<b>Total</b>	<b>123</b>	<b>295</b>	<b>135</b>	<b>172</b>	<b>185</b>	<b>78</b>	<b>176</b>	<b>179</b>	<b>13</b>	
	<b>42</b>	<b>100</b>	<b>46</b>	<b>58</b>	<b>63</b>	<b>26</b>	<b>60</b>	<b>61</b>	<b>4</b>	

3) High Status	Horn	Mand	Scap	Hum	Rad	Fem	Tib	Meta	Phal	Reference
<b>Late Saxon</b>										
North Elmham, Norfolk		170	54	54	78	25	128	22	7	Noddle, 1980
Castle Mall, Norfolk (Phase 1)		21	7	9	8	3	17	8	2	Albarella <i>et al.</i> , 1997
Canterbury Castle, Kent	2	6	5	2	6	1	9	4		King, 1982
Facombe Netherton, Hampshire	3	16	8	12	34	9	34	12	1	Sadler, 1990
Portchester Castle, Hampshire	52	268	42	56	50	23	50	45	1	Grant, 1975b
Morrison Hall, Cleveveland	0	4	13	7	14	1	13	1	1	Gidney, 1990
Goltho, Lincolnshire	5	10	5	10	10	1	24	2	0	Jones and Ruben, 1987
Eynsham Abbey, Oxfordshire (2f)	1	9	9	11	20	6	23	4	1	Serjeantson <i>et al.</i> , forth.
St Albans, Hertfordshire	1	10	4	4	10	3	14	4	1	Crabtree, 1983
<b>Total</b>	<b>64</b>	<b>514</b>	<b>147</b>	<b>165</b>	<b>230</b>	<b>72</b>	<b>312</b>	<b>102</b>	<b>14</b>	
	<b>12</b>	<b>100</b>	<b>29</b>	<b>32</b>	<b>45</b>	<b>14</b>	<b>61</b>	<b>20</b>	<b>3</b>	
<b>Norman</b>										
Facombe Netherton, Hampshire	1	11	17	16	35	6	32	6	1	Sadler, 1990
Portchester Castle, Hampshire		3	2	1	2	1	1	3	1	Grant, 1977
Goltho, Lincolnshire	3	15	12	29	29	7	38	3		Jones and Ruben, 1987
North Elmham, Norfolk		22	5	12	13	9	28	9	1	Noddle, 1980
Castle Mall, Norfolk (Phase 2)		9	8	9	6	2	14	7	1	Albarella <i>et al.</i> , 1997
Castle Mall, Norfolk (Phase 3)		3	2	3	2	1	4	2	1	Albarella <i>et al.</i> , 1997
Eynsham Abbey, Oxfordshire (3a)	2	15	13	15	29	13	38	5	1	Serjeantson <i>et al.</i> , forthcoming
Eynsham Abbey, Oxfordshire (3b)	4	19	13	16	21	8	48	7	1	Serjeantson <i>et al.</i> , forthcoming
Guildford Castle, Surrey	0	0	0	2	6	1	4	4	1	Collected personally
Pevensy Castle, Sussex	2	9	6	10	19	4	18	8	1	Powell and Serjeantson, forth.
Carisbrooke Castle, Isle of Wight		1	34	22	37	18	32	2		Smith, 1994
Carisbrooke Castle, Isle of Wight			5	3	7	2	4	1		Smith, 1994
Carisbrooke Castle, Isle of Wight		1	17	35	36	16	18			Smith, 1994
<b>Total</b>	<b>12</b>	<b>108</b>	<b>134</b>	<b>173</b>	<b>242</b>	<b>88</b>	<b>279</b>	<b>57</b>	<b>9</b>	
	<b>4</b>	<b>39</b>	<b>48</b>	<b>62</b>	<b>87</b>	<b>32</b>	<b>100</b>	<b>20</b>	<b>3</b>	

Appendix IIIc: Body Part Data for late Saxon and Norman Pigs from  
1) Villages, 2) Towns and 3) High Status sites

1) Villages	Mand	Scap	Hum	Rad	Pelv	Fem	Tib	Meta	Phal	Reference
<b>Late Saxon</b>										
Maxey, Northamptonshire	3	4	1	1		1	1	1	1	Seddon <i>et al.</i> , 1964 Stevens, 1992
Wharram Percy, Yorkshire	3	2	2	2	2		1	2	1	
<b>Total</b>	<b>6</b>	<b>6</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>2</b>	
	<b>100</b>	<b>100</b>	<b>50</b>	<b>50</b>	<b>33</b>	<b>16</b>	<b>33</b>	<b>50</b>	<b>33</b>	
<b>Norman</b>										
Brighton Hill South, Hampshire	8	3	4	2	2	2	3	1	1	Coy, 1988 Sadler, 1989 Albarella and Davis, 1994
Walton Road, Buckinghamshire	2	2	1			2	1	1	1	
West Cotton, Northamptonshire	14	5	4		4	1	5	2	2	
<b>Total</b>	<b>24</b>	<b>10</b>	<b>9</b>	<b>2</b>	<b>6</b>	<b>5</b>	<b>9</b>	<b>4</b>	<b>4</b>	
	<b>100</b>	<b>42</b>	<b>38</b>	<b>8</b>	<b>25</b>	<b>21</b>	<b>38</b>	<b>17</b>	<b>17</b>	

2) Towns	Mand	Scap	Hum	Rad	Pelv	Fem	Tib	Meta	Phal	Reference
<b>Late Saxon</b>										
Thetford 1092, Norfolk	50	10	7	9	7	5	14	7	1	Jones, 1984
Red Castle, Norfolk	9	4	1	2	3	1	3	1	1	Wilson, 1995
Winchester, Hampshire	38	23	16	12	12	12	16	9	1	Bourdillon, 1992
Ipswich, Suffolk	11	5	5	5	5	1	8	2	1	Jones and Serjeantson, 1983
St Peters Street, Northamptonshire	8	7	5	1	3	3	4	2	1	Harman, 1979b
Lincoln City, Lincolnshire	15	6	7	12	8	5	8	3	1	Dobney <i>et al.</i> , 1995
Flaxengate, Lincolnshire	27	13	13	29		2	5	9	1	O'Connor, 1982a
Fishergate, Yorkshire 3c	3	2	2	3	5	2	3	1	1	O'Connor, 1991
<b>Total</b>	<b>161</b>	<b>70</b>	<b>56</b>	<b>73</b>	<b>43</b>	<b>31</b>	<b>61</b>	<b>34</b>	<b>8</b>	
	<b>100</b>	<b>43</b>	<b>35</b>	<b>45</b>	<b>27</b>	<b>19</b>	<b>38</b>	<b>21</b>	<b>5</b>	
<b>Norman Town</b>										
Bath, Avon	10	8	6	7	4	2	2	4	1	Grant, 1979
Brandon Road, Norfolk	33	11	12	12	4	8	16	7	1	Jones, 1993
Red Castle, Norfolk	25	5	3	1	3		8	4		Wilson, 1995
Westgate, Gloucestershire	2	2	5	4	5	4	3	1		Maltby, 1979b
Brighton Hill South, Hampshire	8	3	4	2	2	2	3	1	1	Coy, 1988
Noth Street, Sussex	8	3	15	12	7	8	12	6	1	Collected personally
Lincoln City, Lincolnshire	10	3	7	7	2	3	5	1	1	Dobney <i>et al.</i> , 1995
Coppergate, Yorkshire 16612	9	5	6	6	5	6	10			Bond and O'Connor, 2000
<b>Total</b>	<b>105</b>	<b>40</b>	<b>58</b>	<b>51</b>	<b>32</b>	<b>33</b>	<b>59</b>	<b>24</b>	<b>5</b>	
	<b>100</b>	<b>38</b>	<b>55</b>	<b>48</b>	<b>30</b>	<b>31</b>	<b>56</b>	<b>23</b>	<b>5</b>	

3) High Status	Mand	Scap	Hum	Rad	Pelv	Fem	Tib	Meta	Phal	Reference
<b>Late Saxon</b>										
St Albans, Hertfordshire	35	22	12	4	4	9	8	3	1	Crabtree, 1983
Canterbury Castle, Kent	7	3	2	3	1	3	6	1		King, 1982
Facombe Netherton, Hampshire	23	8	13	4	5	10	10	4	1	Sadler, 1990
Portchester Castle, Hampshire	248	30	27	21	33	8	23	12	1	Grant, 1975b
North Elmham, Norfolk	67	33	39	10	33	17	25	7	1	Noddle, 1980
Eynsham Abbey, Oxfordshire (2f)	12	10	5	6	9	3	9	4	1	Serjeantson <i>et al.</i> , forth.
Castle Mall, Norfolk	17	8	9	6	7	3	16	11	2	Albarella <i>et al.</i> , 1997
Goltho, Lincolnshire	37	2	8	4	3	1	6	2	1	Jones and Ruben, 1987
<b>Total</b>	<b>446</b>	<b>116</b>	<b>115</b>	<b>58</b>	<b>95</b>	<b>54</b>	<b>103</b>	<b>44</b>	<b>8</b>	
	<b>100</b>	<b>26</b>	<b>25</b>	<b>13</b>	<b>21</b>	<b>12</b>	<b>23</b>	<b>2</b>	<b>2</b>	
<b>Norman</b>										
Goltho, Lincolnshire	30	4	6	7	3		9	3		Jones and Ruben 1987
Facombe Netherton, Hampshire	24	13	17	11	14	11	14	7	2	Sadler, 1990
Sandal Castle, Yorkshire	5		8	5		2	6	4		Griffith <i>et al.</i> , 1983
North Elmham, Norfolk	19	8	16	6	6	5	14	3	1	Noddle, 1980
Castle Mall, Norfolk	12	4	6	5	7	3	11	9	2	Albarella <i>et al.</i> , 1997
Pevensy Castle, Sussex	10	6	8	5	4	6	9	4	1	Powell and Serjeantson, forth.
Eynsham Abbey, Oxfordshire (3a)	25	14	13	18	20	8	29	17	5	Serjeantson <i>et al.</i> , forthcoming
Eynsham Abbey, Oxfordshire (3b)	87	36	41	28	33	22	47	27	3	Serjeantson <i>et al.</i> , forthcoming
Carisbrooke Castle, Isle of Wight	25	9	9	16	9	27	9	1		Smith, 1994
Carisbrooke Castle, Isle of Wight	12	8	12	3	3	3	8			Smith, 1994
Carisbrooke Castle, Isle of Wight		7	4	7		4		1		Smith, 1994
Carisbrooke Castle, Isle of Wight	61	24	38	25	13	13	18			Smith, 1994
<b>Total</b>	<b>310</b>	<b>133</b>	<b>178</b>	<b>136</b>	<b>112</b>	<b>104</b>	<b>174</b>	<b>76</b>	<b>14</b>	
	<b>100</b>	<b>43</b>	<b>57</b>	<b>44</b>	<b>36</b>	<b>34</b>	<b>56</b>	<b>25</b>	<b>5</b>	

Appendix IIIId: Body Part Data for 1) Saxon, 2) Norman, 3) Angevin,  
4) French and 5) German Deer. NR = not recorded

1) Saxon Deer	Ant	Mand	Scap	Hum	Rad	Pelv	Fem	Tib	Ast	Calc	MC	MT	Phal	Reference
<b>Roe Deer</b>														
St Albans Abbey	1	6	2	2	3	3	2	3	1	1	3	3	1	Crabtree, 1983
Eynsham Abbey	1	6	6	4	2	3	1	7		1	7	11	1	Serjeantson <i>et al.</i> , forth
Goltho		1			1									Jones and Ruben, 1987
Facombe Netherton	1	2	1	3	3	1	2	6		1	1	5		Sadler, pers. com.
Portchester Castle	3	14	9	8	7	1	3	11	2	1	6	9		Collected personally
Cheddar Palaces			2	3	6			1			7	7		Collected personally
<b>Red Deer</b>														
Eynsham Abbey		2		1	2		1	1				1	1	Serjeantson <i>et al.</i> , forth
Goltho										1				Jones and Ruben, 1987
Facombe Netherton	1		1	2	1	1		2	1	1	2		1	Sadler, pers. com.
Portchester Castle	6	5	4	5	7	3	6	18	4	3	20	20	2	Collected Personally
Cheddar Palaces				1		1		2			1			Collected Personally
<b>Total MNE</b>	13	36	25	29	32	13	15	51	8	9	47	56	6	
<b>% MNI</b>	23	64	45	52	57	23	27	91	14	16	84	100	11	

2) Norman Deer	Ant	Mand	Scap	Hum	Rad	Pelv	Fem	Tib	Ast	Calc	MC	MT	Phal	Reference
<b>Roe Deer</b>														
Eynsham Abbey	1	2	1		1	1	1	7		2	3	4	1	Serjeantson <i>et al.</i> , forth
Goltho 1000-1080		3	1	2	5			2		2	4	4		Jones and Ruben, 1987
Goltho 1080-1150	1		1	1	1	2		5			1	1		Jones and Ruben, 1987
Facombe Netherton	4	5			1			1	1		7	9	3	Sadler, pers. com.
Portchester Castle	2	2	1	4	1			2	1		1	4	1	Collected Personally
<b>Red Deer</b>														
Eynsham Abbey							2	2		1				Serjeantson <i>et al.</i> , forth
Goltho 1000-1080	2						1	1	1	1				Jones and Ruben, 1987
Goltho 1080-1150	1						1		2	2				Jones and Ruben, 1987
Facombe Netherton	3	6	1	2	4	2	4	5	7	5	23	22	11	Sadler, pers. com.
Portchester Castle	3	2	1	1	3			4	2		5	8	1	Collected Personally
<b>Fallow Deer</b>														
Guildford Castle							1	1						Collected Personally
Goltho 1000-1080		3	1	1	1			3		1	1	3		Jones and Ruben, 1987
Goltho 1080-1150		1						1		1		1		Jones and Ruben, 1987
Facombe Netherton	1	1					1	1	1	1	4	2	2	Sadler, pers. com.
Castle Rising		1						1	1					Jones <i>et al.</i> , 1997
Cheddar Palaces												1		Collected Personally
<b>Total MNE</b>	18	26	7	11	17	5	11	36	16	16	49	59	19	
<b>% MNI</b>	31	44	12	19	29	8	19	61	27	27	83	100	32	

3) Angevin Deer	Ant	Mand	Scap	Hum	Rad	Pelv	Fem	Tib	Ast	Calc	MC	MT	Phal	Reference
<b>Roe Deer</b>														
Guildford Castle		1	2		1		1	1	2		2	2		Collected Personally
Eynsham Abbey	1	2	1		4	1	2	9			5	4	1	Serjeantson <i>et al.</i> , forth
Facombe Netherton		1						2			1	4	1	Sadler, pers. com.
Launceston Castle			1	1		NR					1	2	1	Albarella and Davis, 1996
<b>Red Deer</b>														
Guildford Castle				1	1	1	3	5	5	3	1	1	1	Collected Personally
Eynsham Abbey	1	1	2		4	1	5	2		1		1	1	Serjeantson <i>et al.</i> , forth
Facombe Netherton	1	1				1				1	1		1	Sadler, pers. com.
Launceston Castle						NR		1	2	2				Albarella and Davis, 1996
Sandal Castle			NR		1		1	1	NR	NR	3	2	NR	Griffith <i>et al.</i> , 1983
<b>Fallow Deer</b>														
Guildford Castle				2	1	7	5	15	10	6		8	1	Collected Personally
Eynsham Abbey	1				1			1				2		Serjeantson <i>et al.</i> , forth
Facombe Netherton	3	3	1	2	3	2	3	9	3	1	3	7	2	Sadler, pers. com.
Launceston Castle				1		NR	1	6	10	3	1	4	1	Albarella and Davis, 1996
Sandal Castle		2	NR	2	5	NR	4	6	NR	NR	7	34	NR	Griffith <i>et al.</i> , 1983
Castle Rising	2	4	2	2	4	4	6	13	5	4		23	2	Jones <i>et al.</i> , 1997
Okehampton Castle	4		1	1	2	2	3	4	NR	NR	1	4	NR	Maltby, 1982
<b>Total MNE</b>	13	15	10	12	27	19	34	75			26	98		
<b>% MNI</b>	13	15	11	13	28	21	35	72			27	100		

Appendix IIIId: Body Part Data for 1) Saxon, 2) Norman, 3) Angevin,  
4) French and 5) German Deer. NR = not recorded

<b>Vatteville deer</b>	Ant	Mand	Scap	Hum	Rad	Pelv	Fem	Tib	Ast	Calc	MC	MT	Phal	Reference
12th century	2		2	3	2	2	3	5	2	1	1	4	1	Collected Personally
% MNI	40		40	60	40	40	60	100	40	20	20	80	20	
13th-15th century	4	4		1	3	1	2	4	3	3	2	3	1	Collected Personally
% MNI	100	100		25	75	25	50	100	75	75	50	75	25	

<b>German Deer</b>	Ant	Mand	Scap	Hum	Rad	Pelv	Fem	Tib	Ast	Calc	MC	MT	Phal	Reference
Munsterberg	1	1		2	1	1	1	1		1	2			Schmidt-Pauly, 1980
Hochstetten	2		1	1	1		1	4		1	1	1	1	Schmidt-Pauly, 1980
Unterregenchbach (Red)	11	10	13	18	21	9	22	30	2	11	9	7	2	Kuhnhold, 1971
Unterregenchbach (Roe)	1	4		2	1	1	2	1	1		2	1		Kuhnhold, 1971
Unterregenchbach (Red)	4	5	17	21	12	7	15	24			6	7	1	Schatz, 1963
Unterregenchbach (Roe)					2		1	1						Schatz, 1963
Schiedberg (Red)	4	3	1	4	6	3	1	2	4	2	5	5	1	Kupper, 1972
Schiedberg (Roe)	1													Kupper, 1972
Heuneburg (Red)	2			1		1	1			1				McEaney-Schneider, 1979
Heuneburg (Roe)												1		McEaney-Schneider, 1979
<b>Total MNE</b>	26	23	32	49	44	22	44	63	7	16	25	22	5	
<b>% MNI</b>	41	37	51	78	70	35	70	100	11	25	40	35	8	

Appendix IVa: Metrical data for 1) early/middle Saxon, 2) late Saxon,  
3) Norman and 4) Angevin Cattle metapodials

<b>1a) Metacarpal Measurements for Early/Middle Saxon Cattle</b>			
<b>GL</b>	<b>SD</b>	<b>Site</b>	<b>Source of Information</b>
178	28.3	Hamwih, Hampshire	ABMAP
187	30.2	Hamwih, Hampshire	ABMAP
194	28.9	Hamwih, Hampshire	ABMAP
188	32.4	Hamwih, Hampshire	ABMAP
192	29.7	Hamwih, Hampshire	ABMAP
181	27.6	Hamwih, Hampshire	ABMAP
183	39.2	Hamwih, Hampshire	ABMAP
213	29.5	Hamwih, Hampshire	ABMAP
219	32.3	Hamwih, Hampshire	ABMAP
196	.	Hamwih, Hampshire	ABMAP
175	24.9	Hamwih, Hampshire	ABMAP
211	.	Hamwih, Hampshire	ABMAP
178.2	38.5	Hamwih, Hampshire	ABMAP
194.9	.	Hamwih, Hampshire	ABMAP
187.6	.	Hamwih, Hampshire	ABMAP
163.1	.	Hamwih, Hampshire	ABMAP
202.5	32.1	Hamwih, Hampshire	ABMAP
203.7	39.2	Hamwih, Hampshire	ABMAP
174	.	Hamwih, Hampshire	ABMAP
194.5	28.2	Hamwih, Hampshire	ABMAP
185.3	.	Hamwih, Hampshire	ABMAP
194	.	Hamwih, Hampshire	ABMAP
180	28.2	Hamwih, Hampshire	ABMAP
184.5	29.5	Hamwih, Hampshire	ABMAP
201	.	Hamwih, Hampshire	ABMAP
183	.	Hamwih, Hampshire	ABMAP
198.8	30	Hamwih, Hampshire	ABMAP
183	27.9	Hamwih, Hampshire	ABMAP
187.5	32	Hamwih, Hampshire	ABMAP
204	.	Hamwih, Hampshire	ABMAP
198	.	Hamwih, Hampshire	ABMAP
204	35.8	Hamwih, Hampshire	ABMAP
179	29.7	Hamwih, Hampshire	ABMAP
191	32.9	Hamwih, Hampshire	ABMAP
176	26.3	Hamwih, Hampshire	ABMAP
191	33.6	Hamwih, Hampshire	ABMAP
188	35.6	Hamwih, Hampshire	ABMAP
186.5	29.6	Hamwih, Hampshire	ABMAP
173	32.2	Hamwih, Hampshire	ABMAP
193.5	32.5	Hamwih, Hampshire	ABMAP
184	27.3	Hamwih, Hampshire	ABMAP
196.1	28.7	Hamwih, Hampshire	ABMAP
182.4	28.1	Hamwih, Hampshire	ABMAP
183.8	27.8	Hamwih, Hampshire	ABMAP
198	.	Hamwih, Hampshire	ABMAP
197.6	34.7	Hamwih, Hampshire	ABMAP
187.5	.	Hamwih, Hampshire	ABMAP
180.7	27.5	Hamwih, Hampshire	ABMAP
182	.	Hamwih, Hampshire	ABMAP
187.4	.	Hamwih, Hampshire	ABMAP
182.1	28	Hamwih, Hampshire	ABMAP
173	.	North Elmham	Noddle, 1980
175	27.5	North Elmham	Noddle, 1980
177	30	North Elmham	Noddle, 1980
177	.	North Elmham	Noddle, 1980
185	26	North Elmham	Noddle, 1980
185	34.5	North Elmham	Noddle, 1980
185	28.5	North Elmham	Noddle, 1980
187	36.5	North Elmham	Noddle, 1980
190	.	North Elmham	Noddle, 1980
192	34	North Elmham	Noddle, 1980
193	35	North Elmham	Noddle, 1980

Appendix IVa: Metrical data for 1) early/middle Saxon, 2) late Saxon,  
3) Norman and 4) Angevin Cattle metapodials

<b>1a (continued) Metacarpal Measurements for Early/Middle Saxon Cattle</b>			
<b>GL</b>	<b>SD</b>	<b>Site</b>	<b>Source of Information</b>
193	37	North Elmham	Noddle, 1980
193	32	North Elmham	Noddle, 1980
195	34	North Elmham	Noddle, 1980
198	36.5	North Elmham	Noddle, 1980
198	37	North Elmham	Noddle, 1980
199	34.5	North Elmham	Noddle, 1980
200	35	North Elmham	Noddle, 1980
200	38.5	North Elmham	Noddle, 1980
208	36	North Elmham	Noddle, 1980
210	.	North Elmham	Noddle, 1980
201	.	Ramsbury	ABMAP
209	35.5	Ramsbury	ABMAP
201	.	Ramsbury	ABMAP
209	35.5	Ramsbury	ABMAP
193	27	Ramsbury	ABMAP
191	30.7	Ramsbury	ABMAP
193	29.6	Itchen Abbas Road	ABMAP

<b>1b) Metatarsal Measurements for Early/Middle Saxon Cattle</b>			
<b>GL</b>	<b>SD</b>	<b>Site</b>	<b>Source of Information</b>
226.5	30.4	Hamwih, Hampshire	ABMAP
215.5	29.6	Hamwih, Hampshire	ABMAP
209.2	25.2	Hamwih, Hampshire	ABMAP
213	20.7	Hamwih, Hampshire	ABMAP
208.5	27.7	Hamwih, Hampshire	ABMAP
212	22	Hamwih, Hampshire	ABMAP
200	22.4	Hamwih, Hampshire	ABMAP
191	31	Hamwih, Hampshire	ABMAP
228	.	Hamwih, Hampshire	ABMAP
199.9	31.2	Hamwih, Hampshire	ABMAP
221.2	29.8	Hamwih, Hampshire	ABMAP
221.4	27.1	Hamwih, Hampshire	ABMAP
230.8	23.9	Hamwih, Hampshire	ABMAP
215.2	.	Hamwih, Hampshire	ABMAP
231.4	.	Hamwih, Hampshire	ABMAP
204.6	23.9	Hamwih, Hampshire	ABMAP
227	27.9	Hamwih, Hampshire	ABMAP
189	.	Hamwih, Hampshire	ABMAP
235	28	Hamwih, Hampshire	ABMAP
223	.	Hamwih, Hampshire	ABMAP
231	27.9	Hamwih, Hampshire	ABMAP
231	24.3	Hamwih, Hampshire	ABMAP
219	.	Hamwih, Hampshire	ABMAP
239	.	Hamwih, Hampshire	ABMAP
228	.	Hamwih, Hampshire	ABMAP
217	25.3	Hamwih, Hampshire	ABMAP
213.5	.	Hamwih, Hampshire	ABMAP
223	27.2	Hamwih, Hampshire	ABMAP
209	26.1	Hamwih, Hampshire	ABMAP
204	24.1	Hamwih, Hampshire	ABMAP
217	29.7	Hamwih, Hampshire	ABMAP
213	23.9	Hamwih, Hampshire	ABMAP
217	30.8	Hamwih, Hampshire	ABMAP
224	26.1	Hamwih, Hampshire	ABMAP
208	.	Hamwih, Hampshire	ABMAP
198	.	Hamwih, Hampshire	ABMAP
205	24.9	Hamwih, Hampshire	ABMAP
201	24	Hamwih, Hampshire	ABMAP
216.5	24	Hamwih, Hampshire	ABMAP
215.5	23.6	Hamwih, Hampshire	ABMAP
245	31.5	Hamwih, Hampshire	ABMAP
199	.	North Elmham	Noddle, 1980

Appendix IVa: Metrical data for 1) early/middle Saxon, 2) late Saxon,  
3) Norman and 4) Angevin Cattle metapodials

<b>1b (continued) Metatarsal Measurements for Early/Middle Saxon Cattle</b>			
<b>GL</b>	<b>SD</b>	<b>Site</b>	<b>Source of Information</b>
210	.	North Elmham	Noddle, 1980
212	26.5	North Elmham	Noddle, 1980
212	29	North Elmham	Noddle, 1980
213	24	North Elmham	Noddle, 1980
213	25	North Elmham	Noddle, 1980
214	27	North Elmham	Noddle, 1980
214	27	North Elmham	Noddle, 1980
215	26	North Elmham	Noddle, 1980
215	26	North Elmham	Noddle, 1980
217	27	North Elmham	Noddle, 1980
220	28	North Elmham	Noddle, 1980
220	28	North Elmham	Noddle, 1980
224	28.5	North Elmham	Noddle, 1980
225	30	North Elmham	Noddle, 1980
225	30	North Elmham	Noddle, 1980
226	31	North Elmham	Noddle, 1980
227	31.5	North Elmham	Noddle, 1980
227	32.5	North Elmham	Noddle, 1980
230	32	North Elmham	Noddle, 1980
230	31	North Elmham	Noddle, 1980
230	28	North Elmham	Noddle, 1980
232	30	North Elmham	Noddle, 1980
233	29	North Elmham	Noddle, 1980
234	30	North Elmham	Noddle, 1980
237	29	North Elmham	Noddle, 1980
237	29	North Elmham	Noddle, 1980
240	32	North Elmham	Noddle, 1980
221	23.5	Ramsbury	ABMAP
209	23.2	Ramsbury	ABMAP

<b>2a) Metacarpal Measurements for Late Saxon Cattle</b>			
<b>GL</b>	<b>SD</b>	<b>Site</b>	<b>Source of Information</b>
195.4	.	Hamwih, Hampshire	ABMAP
190.6	.	Hamwih, Hampshire	ABMAP
185.6	.	Hamwih, Hampshire	ABMAP
176.6	31.6	Hamwih, Hampshire	ABMAP
176.3	26	Hamwih, Hampshire	ABMAP
193.1	.	Hamwih, Hampshire	ABMAP
191.5	35.8	Hamwih, Hampshire	ABMAP
180	.	Hamwih, Hampshire	ABMAP
172.5	27.7	Sussex Road, Winchester	ABMAP
190.7	.	Sussex Road, Winchester	ABMAP
199.6	.	Sussex Road, Winchester	ABMAP
173.2	28.8	Sussex Road, Winchester	ABMAP
195.3	31.9	Sussex Road, Winchester	ABMAP
174.2	27.3	Sussex Road, Winchester	ABMAP
176.3	27.6	Sussex Road, Winchester	ABMAP
174.5	29.5	Sussex Road, Winchester	ABMAP
183.4	.	Sussex Road, Winchester	ABMAP
185	.	Sussex Road, Winchester	ABMAP
184	.	Sussex Road, Winchester	ABMAP
173.1	29.3	Sussex Road, Winchester	ABMAP
.	27	Deansway 1, Hereford	ABMAP
177.8	26.9	West Cotton, Northants	ABMAP
197.7	35.1	Lincoln	Dobney <i>et al.</i> , 1995
181.2	34.5	Lincoln	Dobney <i>et al.</i> , 1995
166.1	25.3	Lincoln	Dobney <i>et al.</i> , 1995
179	26.4	Lincoln	Dobney <i>et al.</i> , 1995
185.5	27.9	Lincoln	Dobney <i>et al.</i> , 1995
186.3	27.7	Lincoln	Dobney <i>et al.</i> , 1995
187.7	27.1	Lincoln	Dobney <i>et al.</i> , 1995



Appendix IVa: Metrical data for 1) early/middle Saxon, 2) late Saxon,  
3) Norman and 4) Angevin Cattle metapodials

2a (continued) Metacarpal Measurements for Late Saxon Cattle			
GL	SD	Site	Source of Information
184.8	27	Lincoln	Dobney <i>et al.</i> , 1995
184.6	31.1	Lincoln	Dobney <i>et al.</i> , 1995
187.7	29.5	Lincoln	Dobney <i>et al.</i> , 1995
179.9	29.2	Lincoln	Dobney <i>et al.</i> , 1995
180.5	27	Lincoln	Dobney <i>et al.</i> , 1995
183.1	30.9	Lincoln	Dobney <i>et al.</i> , 1995
180.6	31.6	Lincoln	Dobney <i>et al.</i> , 1995
187.7	32.7	Lincoln	Dobney <i>et al.</i> , 1995
180.5	26.6	Lincoln	Dobney <i>et al.</i> , 1995
183	35	Lincoln	Dobney <i>et al.</i> , 1995
193.7	30.2	Lincoln	Dobney <i>et al.</i> , 1995
188.5	27.2	Lincoln	Dobney <i>et al.</i> , 1995
.	29.1	North Suburbs, Winchester	ABMAP
.	33.2	East Suburbs, Winchester	ABMAP
.	29.7	Winchester Defences	ABMAP
.	29.7	Winchester Defences	ABMAP
167	29	North Elmham	Noddle, 1980
172	33	North Elmham	Noddle, 1980
183	29	North Elmham	Noddle, 1980
183	33.7	North Elmham	Noddle, 1980
187	32	North Elmham	Noddle, 1980
187	33.5	North Elmham	Noddle, 1980
190	29.5	North Elmham	Noddle, 1980
192	28.5	North Elmham	Noddle, 1980
203	.	North Elmham	Noddle, 1980
176	28	Walton, Aylesbury	ABMAP
177.5	27	Victoria Road, Hampshire	ABMAP
.	27.1	Victoria Road, Hampshire	ABMAP
.	28.3	Henleys Garage, Hampshire	ABMAP
.	32.1	Henleys Garage, Hampshire	ABMAP
.	32.7	Henleys Garage, Hampshire	ABMAP
.	25.2	Henleys Garage, Hampshire	ABMAP
.	27.3	Henleys Garage, Hampshire	ABMAP
.	26.7	Henleys Garage, Hampshire	ABMAP
.	26.1	Henleys Garage, Hampshire	ABMAP
.	26.8	Henleys Garage, Hampshire	ABMAP
.	24.4	Henleys Garage, Hampshire	ABMAP
.	26.6	Lombard Street, London	ABMAP
167	.	Brandon Road, Norfolk	Jones, 1993
167.5	.	Brandon Road, Norfolk	Jones, 1993
176	.	Brandon Road, Norfolk	Jones, 1993
176.5	.	Brandon Road, Norfolk	Jones, 1993
178	.	Brandon Road, Norfolk	Jones, 1993
180	.	Brandon Road, Norfolk	Jones, 1993
183	.	Brandon Road, Norfolk	Jones, 1993
186	.	Brandon Road, Norfolk	Jones, 1993
186.5	.	Brandon Road, Norfolk	Jones, 1993
187.5	.	Brandon Road, Norfolk	Jones, 1993
189	.	Brandon Road, Norfolk	Jones, 1993
191.5	.	Brandon Road, Norfolk	Jones, 1993
192.5	.	Brandon Road, Norfolk	Jones, 1993
197.5	.	Brandon Road, Norfolk	Jones, 1993

Appendix IVa: Metrical data for 1) early/middle Saxon, 2) late Saxon,  
3) Norman and 4) Angevin Cattle metapodials

2b) Metatarsal Measurements for Late Saxon Cattle			
GL	SD	Site	Source of Information
190	.	Hamwih, Hampshire	ABMAP
208.2	25.1	Hamwih, Hampshire	ABMAP
201.2	22.8	Hamwih, Hampshire	ABMAP
199.3	.	Hamwih, Hampshire	ABMAP
.	25	Hamwih, Hampshire	ABMAP
.	29.1	Hamwih, Hampshire	ABMAP
.	22.6	Hamwih, Hampshire	ABMAP
.	25.6	Hamwih, Hampshire	ABMAP
.	23.9	Hamwih, Hampshire	ABMAP
217	28.4	Sussex Road, Winchester	ABMAP
212.5	22.9	Sussex Road, Winchester	ABMAP
200.8	22	Sussex Road, Winchester	ABMAP
195.3	22.3	Sussex Road, Winchester	ABMAP
187	.	Sussex Road, Winchester	ABMAP
207	.	Sussex Road, Winchester	ABMAP
199.9	.	Sussex Road, Winchester	ABMAP
209.9	28.5	New Road, Winchester	ABMAP
221.1	21.5	West Cotton	ABMAP
197.8	21.2	Lincoln	Dobney <i>et al.</i> , 1995
207.3	24.6	Lincoln	Dobney <i>et al.</i> , 1995
200	22.8	Lincoln	Dobney <i>et al.</i> , 1995
190.1	21.1	Lincoln	Dobney <i>et al.</i> , 1995
210.5	23	Lincoln	Dobney <i>et al.</i> , 1995
197.5	21	Lincoln	Dobney <i>et al.</i> , 1995
184.1	19.6	Lincoln	Dobney <i>et al.</i> , 1995
198.5	22.5	Lincoln	Dobney <i>et al.</i> , 1995
207.3	22.9	Lincoln	Dobney <i>et al.</i> , 1995
199	23.4	Lincoln	Dobney <i>et al.</i> , 1995
215.7	25.6	Lincoln	Dobney <i>et al.</i> , 1995
195	.	Lincoln	Dobney <i>et al.</i> , 1995
215.5	25.2	Lincoln	Dobney <i>et al.</i> , 1995
205.2	22.7	Lincoln	Dobney <i>et al.</i> , 1995
204.8	25.3	Lincoln	Dobney <i>et al.</i> , 1995
195.4	21.5	Lincoln	Dobney <i>et al.</i> , 1995
181.6	20.4	Lincoln	Dobney <i>et al.</i> , 1995
213.6	27.2	Lincoln	Dobney <i>et al.</i> , 1995
.	24.8	Winchester Defences	ABMAP
.	22.7	Winchester Defences	ABMAP
.	21.4	Winchester Defences	ABMAP
195	23	North Elmham	Noddle, 1980
202	.	North Elmham	Noddle, 1980
207	24	North Elmham	Noddle, 1980
212	26.5	North Elmham	Noddle, 1980
214	27.5	North Elmham	Noddle, 1980
221	28.5	North Elmham	Noddle, 1980
245	32.5	North Elmham	Noddle, 1980
215	29	Walton, Aylesbury	ABMAP
195	22	Walton, Aylesbury	ABMAP
207	24	Walton, Aylesbury	ABMAP
191.5	24.3	Victoria Road, Hampshire	ABMAP
.	26.1	Henleys Garage, Hampshire	ABMAP
.	24	Henleys Garage, Hampshire	ABMAP
.	24.9	Henleys Garage, Hampshire	ABMAP
.	24.4	Henleys Garage, Hampshire	ABMAP
.	21.2	Henleys Garage, Hampshire	ABMAP
.	25.3	Henleys Garage, Hampshire	ABMAP
.	24.1	Henleys Garage, Hampshire	ABMAP
.	25.2	Henleys Garage, Hampshire	ABMAP
.	22.8	Henleys Garage, Hampshire	ABMAP
.	22.5	Henleys Garage, Hampshire	ABMAP
.	26.1	Henleys Garage, Hampshire	ABMAP

Appendix IVa: Metrical data for 1) early/middle Saxon, 2) late Saxon,  
3) Norman and 4) Angevin Cattle metapodials

3a) Metacarpal Measurements for Norman Cattle			
GL	SD	Site	Source of Information
176.2	31.1	Sussex Road, Winchester	ABMAP
173.4	27.1	Sussex Road, Winchester	ABMAP
.	25.3	Sussex Road, Winchester	ABMAP
.	31.6	Sussex Road, Winchester	ABMAP
.	28.4	Sussex Road, Winchester	ABMAP
.	29.7	Sussex Road, Winchester	ABMAP
184.5	26.5	Southampton New Town	ABMAP
178.4	28.4	Southampton New Town	ABMAP
194.8	32.8	Southampton New Town	ABMAP
188	30.2	Southampton New Town	ABMAP
188	.	Southampton New Town	ABMAP
190.7	30.8	Southampton New Town	ABMAP
190.4	.	Southampton New Town	ABMAP
175	25.2	Southampton New Town	ABMAP
183	31.9	Southampton New Town	ABMAP
176	28.5	Southampton New Town	ABMAP
174	27.4	Southampton New Town	ABMAP
181	26.3	Southampton New Town	ABMAP
188.7	32.6	Southampton New Town	ABMAP
173.4	23.7	Southampton New Town	ABMAP
160.6	25	Southampton New Town	ABMAP
189.2	30.4	Southampton New Town	ABMAP
191	33.9	Southampton New Town	ABMAP
175.5	.	Southampton New Town	ABMAP
167	31.8	Southampton New Town	ABMAP
.	36	Southampton New Town	ABMAP
.	24.2	Southampton New Town	ABMAP
.	27.4	Southampton New Town	ABMAP
.	26.3	Southampton New Town	ABMAP
175.6	26.7	Deansway 1, Hereford	ABMAP
181.6	34.3	Deansway 1, Hereford	ABMAP
174.7	29	Deansway 1, Hereford	ABMAP
173.8	26.9	Deansway 1, Hereford	ABMAP
179	26.6	Eckweek, Avon	ABMAP
178.7	25.9	West Cotton	ABMAP
181.7	25.9	West Cotton	ABMAP
179.7	32.7	West Cotton	ABMAP
174.4	27.2	West Cotton	ABMAP
171.8	27.6	West Cotton	ABMAP
191	31.6	West Cotton	ABMAP
160.5	22.1	West Cotton	ABMAP
186.2	30.6	West Cotton	ABMAP
171.7	26.2	West Cotton	ABMAP
187.1	29.1	West Cotton	ABMAP
190.6	33	West Cotton	ABMAP
193.2	26.5	West Cotton	ABMAP
193.8	27	West Cotton	ABMAP
173.1	26.4	West Cotton	ABMAP
193.8	32.7	West Cotton	ABMAP
193.6	33.5	West Cotton	ABMAP
183.4	27.3	West Cotton	ABMAP
182.2	30.6	West Cotton	ABMAP
185.4	30.1	West Cotton	ABMAP
193.2	33.9	West Cotton	ABMAP
180.6	30	West Cotton	ABMAP
168.6	31.3	West Cotton	ABMAP
184.1	30	West Cotton	ABMAP
185.2	30.5	West Cotton	ABMAP
185.7	29.5	West Cotton	ABMAP
170	33	North Elmham	Noddle, 1980
173	32.5	North Elmham	Noddle, 1980
192	28	Walton, Aylesbury	ABMAP

Appendix IVa: Metrical data for 1) early/middle Saxon, 2) late Saxon,  
3) Norman and 4) Angevin Cattle metapodials

3a (continued) Metacarpal Measurements for Norman Cattle			
GL	SD	Site	Source of Information
178	32	Walton, Aylesbury	ABMAP
176	27.9	Abbey Wharf, Reading	ABMAP
172	27.3	Abbey Wharf, Reading	ABMAP
161	28	Abbey Wharf, Reading	ABMAP
168	.	Abbey Wharf, Reading	ABMAP
.	30.5	Bishops Waltham	ABMAP
180	.	Brandon Road, Norfolk	Jones, 1993
180	.	Brandon Road, Norfolk	Jones, 1993
180	.	Brandon Road, Norfolk	Jones, 1993
182	.	Brandon Road, Norfolk	Jones, 1993
182	.	Brandon Road, Norfolk	Jones, 1993
187.5	.	Brandon Road, Norfolk	Jones, 1993
191	.	Brandon Road, Norfolk	Jones, 1993
192.5	.	Brandon Road, Norfolk	Jones, 1993
194	.	Brandon Road, Norfolk	Jones, 1993
198	.	Brandon Road, Norfolk	Jones, 1993

3b) Metatarsal Measurements for Norman Cattle			
GL	SD	Site	Source of Information
199	21	Southampton New Town	ABMAP
198	22	Southampton New Town	ABMAP
199	25	Southampton New Town	ABMAP
212	25	Southampton New Town	ABMAP
210	24	Southampton New Town	ABMAP
190	.	Southampton New Town	ABMAP
203	25	Southampton New Town	ABMAP
208	22	Southampton New Town	ABMAP
195	23	Southampton New Town	ABMAP
204	.	Southampton New Town	ABMAP
219	25	Southampton New Town	ABMAP
200	26	North Elmham	Noddle, 1980
204	26	North Elmham	Noddle, 1980
197	24	Walton, Aylesbury	ABMAP
207	24	Walton, Aylesbury	ABMAP
210	24	Brighton Hill South	ABMAP
187	21	Trowbridge, Wiltshire	ABMAP
195	26	Trowbridge, Wiltshire	ABMAP
223	25	Trowbridge, Wiltshire	ABMAP

4a) Metacarpal Measurements for Angevin Cattle			
GL	SD	Site	Source of Information
165	28.1	Launceston Castle	ABMAP
156.1	24.9	Launceston Castle	ABMAP
162.8	29.1	Launceston Castle	ABMAP
165	29.2	Launceston Castle	ABMAP
.	30.8	West Cotton	ABMAP
.	28.1	West Cotton	ABMAP
.	33.9	West Cotton	ABMAP
.	20.1	West Cotton	ABMAP
187	28.2	Lincoln	Dobney <i>et al.</i> , 1995
178.8	26.5	Lincoln	Dobney <i>et al.</i> , 1995
178.2	27.9	Lincoln	Dobney <i>et al.</i> , 1995
.	.	Lincoln	Dobney <i>et al.</i> , 1995
179.1	30.4	Lincoln	Dobney <i>et al.</i> , 1995
181.6	35.8	Lincoln	Dobney <i>et al.</i> , 1995
162.5	27.2	Lincoln	Dobney <i>et al.</i> , 1995
175	30	Walton, Aylesbury	ABMAP
190	25	Walton, Aylesbury	ABMAP
170	29	Walton, Aylesbury	ABMAP
170	26	Walton, Aylesbury	ABMAP
172	29	Walton, Aylesbury	ABMAP
160	.	Walton, Aylesbury	ABMAP

Appendix IVa: Metrical data for 1) early/middle Saxon, 2) late Saxon,  
3) Norman and 4) Angevin Cattle metapodials

4a (continued) Metacarpal Measurements for Angevin Cattle			
GL	SD	Site	Source of Information
177	.	Walton, Aylesbury	ABMAP
.	30.9	Abbey Wharf, Reading	ABMAP
.	29.6	Abbey Wharf, Reading	ABMAP

4b) Metatarsal Measurements for Angevin Cattle			
GI	SD	Site	Source of Information
197	26.8	Southampton New Town	ABMAP
201.5	.	Southampton New Town	ABMAP
206.5	25.3	Southampton New Town	ABMAP
197.5	20.9	Southampton New Town	ABMAP
201.4	.	Southampton New Town	ABMAP
179.4	19.4	Launceston Castle	ABMAP
182.6	21.6	Launceston Castle	ABMAP
184.8	21.8	Launceston Castle	ABMAP
196	24.1	Launceston Castle	ABMAP
194	23.3	Launceston Castle	ABMAP
183.1	21.1	Launceston Castle	ABMAP
201.2	22.6	West Cotton	ABMAP
211	22.6	West Cotton	ABMAP
209.3	22.5	West Cotton	ABMAP
208.4	22.5	West Cotton	ABMAP
203.1	21.3	West Cotton	ABMAP
202.2	21.9	West Cotton	ABMAP
199.8	22.6	West Cotton	ABMAP
193	20.1	West Cotton	ABMAP
204	24.5	West Cotton	ABMAP
213.3	23.2	West Cotton	ABMAP
206	22.4	West Cotton	ABMAP
217.3	26.1	West Cotton	ABMAP
221.8	21.4	West Cotton	ABMAP
216.4	24.6	West Cotton	ABMAP
213.1	24.1	West Cotton	ABMAP
200.4	21	West Cotton	ABMAP
209	23	North Street, Lewes	Collected Personally
.	21.6	North Street, Lewes	Collected Personally
188	21.7	North Street, Lewes	Collected Personally
215	25	North Street, Lewes	Collected Personally
200.3	22.9	North Street, Lewes	Collected Personally
191	21.8	North Street, Lewes	Collected Personally
189	19	North Street, Lewes	Collected Personally
190	23	North Street, Lewes	Collected Personally
220	23	North Street, Lewes	Collected Personally
206	22.6	North Street, Lewes	Collected Personally
203	23.8	North Street, Lewes	Collected Personally
211	28.8	North Street, Lewes	Collected Personally
201	20.8	North Street, Lewes	Collected Personally
206	23.6	North Street, Lewes	Collected Personally
207	26.9	North Street, Lewes	Collected Personally
163	.	North Elmham	Noddle, 1980
225	.	North Elmham	Noddle, 1980
200	22	North Elmham	Noddle, 1980
195	23.5	North Elmham	Noddle, 1980
200	24	North Elmham	Noddle, 1980
190	24.5	North Elmham	Noddle, 1980
195	24	North Elmham	Noddle, 1980
203	24.9	Abbey Wharf, Reading	ABMAP
208	24.1	Abbey Wharf, Reading	ABMAP
186	19.6	Abbey Wharf, Reading	ABMAP
203	22.3	Abbey Wharf, Reading	ABMAP
205	24	Abbey Wharf, Reading	ABMAP
193	23.3	Abbey Wharf, Reading	ABMAP

Appendix IVb: Metrical Data for 1) early/middle Saxon, 2) late Saxon,  
3) Norman and 4) Angevin Sheep Metapodia

1a) Metacarpal Measurements for Early/Middle Saxon Sheep			
GI	SD	Site	Source of Information
133.7	14.1	Hamwih, Hampshire	ABMAP
117.3	13	Hamwih, Hampshire	ABMAP
126.6	14.3	Hamwih, Hampshire	ABMAP
135.6	15.3	Hamwih, Hampshire	ABMAP
124.5	15.1	Hamwih, Hampshire	ABMAP
106.9	12.3	Hamwih, Hampshire	ABMAP
131.6	13.6	Hamwih, Hampshire	ABMAP
135.1	14.1	Hamwih, Hampshire	ABMAP
126.8	14.4	Hamwih, Hampshire	ABMAP
113.3	10.8	Hamwih, Hampshire	ABMAP
120	14.6	Hamwih, Hampshire	ABMAP
132.3	13.9	Hamwih, Hampshire	ABMAP
124.2	.	Hamwih, Hampshire	ABMAP
135.5	.	Hamwih, Hampshire	ABMAP
139.3	.	Hamwih, Hampshire	ABMAP
134.5	15.5	Hamwih, Hampshire	ABMAP
130.2	14.7	Hamwih, Hampshire	ABMAP
140.3	.	Hamwih, Hampshire	ABMAP
136.1	15.2	Hamwih, Hampshire	ABMAP
120.2	13.8	Hamwih, Hampshire	ABMAP
139.8	16	Hamwih, Hampshire	ABMAP
136.6	14.9	Hamwih, Hampshire	ABMAP
141.4	14.8	Hamwih, Hampshire	ABMAP
120.4	.	Hamwih, Hampshire	ABMAP
131.3	14.5	Hamwih, Hampshire	ABMAP
139.6	15.7	Hamwih, Hampshire	ABMAP
127	.	Hamwih, Hampshire	ABMAP
136.1	.	Hamwih, Hampshire	ABMAP
125.1	.	Hamwih, Hampshire	ABMAP
120.8	13.9	Hamwih, Hampshire	ABMAP
131.1	15.3	Hamwih, Hampshire	ABMAP
128.6	.	Hamwih, Hampshire	ABMAP
134.3	.	Hamwih, Hampshire	ABMAP
128.9	.	Hamwih, Hampshire	ABMAP
126.8	16.4	Hamwih, Hampshire	ABMAP
120.7	12.8	Hamwih, Hampshire	ABMAP
128.6	.	Hamwih, Hampshire	ABMAP
132.3	13.2	Hamwih, Hampshire	ABMAP
132.6	14.2	Hamwih, Hampshire	ABMAP
126.5	14.7	Hamwih, Hampshire	ABMAP
127.7	15.1	Hamwih, Hampshire	ABMAP
130	13.4	Hamwih, Hampshire	ABMAP
130	.	Hamwih, Hampshire	ABMAP
135.5	15.6	Hamwih, Hampshire	ABMAP
130	.	Hamwih, Hampshire	ABMAP
116.7	.	Hamwih, Hampshire	ABMAP
122.4	.	Hamwih, Hampshire	ABMAP
126.5	12.8	Hamwih, Hampshire	ABMAP
127.9	14.9	Hamwih, Hampshire	ABMAP
116.9	.	Hamwih, Hampshire	ABMAP
111.6	12.8	Hamwih, Hampshire	ABMAP
129.5	14.8	Hamwih, Hampshire	ABMAP
134.6	15	Hamwih, Hampshire	ABMAP
130.8	13.5	Hamwih, Hampshire	ABMAP
130.7	16	Hamwih, Hampshire	ABMAP
124.9	12.2	Hamwih, Hampshire	ABMAP
131.7	15.1	Hamwih, Hampshire	ABMAP
129.8	13.7	Hamwih, Hampshire	ABMAP
121	.	Hamwih, Hampshire	ABMAP
131.4	14.8	Hamwih, Hampshire	ABMAP
127.8	.	Hamwih, Hampshire	ABMAP
133.1	14	Hamwih, Hampshire	ABMAP

Appendix IVb: Metrical Data for 1) early/middle Saxon, 2) late Saxon,  
3) Norman and 4) Angevin Sheep Metapodia

<b>1a (continued) Metacarpal Measurements for Early/Middle Saxon Sheep</b>			
<b>GL</b>	<b>SD</b>	<b>Site</b>	<b>Source of Information</b>
121.7	.	Hamwih, Hampshire	ABMAP
119.2	14.6	Hamwih, Hampshire	ABMAP
116.5	12.6	Hamwih, Hampshire	ABMAP
132.1	14.1	Hamwih, Hampshire	ABMAP
124.4	13.7	Hamwih, Hampshire	ABMAP
114.1	13.4	Hamwih, Hampshire	ABMAP
138.7	14.5	Hamwih, Hampshire	ABMAP
124.7	15	Hamwih, Hampshire	ABMAP
122.2	13	Hamwih, Hampshire	ABMAP
125.9	.	Hamwih, Hampshire	ABMAP
129.9	14.4	Hamwih, Hampshire	ABMAP
129.2	15.1	Hamwih, Hampshire	ABMAP
120.1	14	Hamwih, Hampshire	ABMAP
123	14.1	Hamwih, Hampshire	ABMAP
125.8	14.4	Hamwih, Hampshire	ABMAP
128.6	14.5	Hamwih, Hampshire	ABMAP
112.2	12.7	Hamwih, Hampshire	ABMAP
127.3	13.4	Hamwih, Hampshire	ABMAP
127	14.5	Hamwih, Hampshire	ABMAP
127.7	13.8	Hamwih, Hampshire	ABMAP
132.7	15.8	Hamwih, Hampshire	ABMAP
116	13	Hamwih, Hampshire	ABMAP
121.1	13	Hamwih, Hampshire	ABMAP
128.8	.	Hamwih, Hampshire	ABMAP
126.1	13.6	Hamwih, Hampshire	ABMAP
128	14.1	Hamwih, Hampshire	ABMAP
119.9	.	Hamwih, Hampshire	ABMAP
133	14.8	Hamwih, Hampshire	ABMAP
127.8	15.7	Hamwih, Hampshire	ABMAP
130.6	14.9	Hamwih, Hampshire	ABMAP
129.3	14.1	Hamwih, Hampshire	ABMAP
119.6	13.5	Hamwih, Hampshire	ABMAP
111	13.1	Hamwih, Hampshire	ABMAP
119.5	13.7	Hamwih, Hampshire	ABMAP
128.4	13.9	Hamwih, Hampshire	ABMAP
120.2	.	Hamwih, Hampshire	ABMAP
113.3	12.3	Hamwih, Hampshire	ABMAP
133.3	15.6	Hamwih, Hampshire	ABMAP
129.3	13.8	Hamwih, Hampshire	ABMAP
122	14.6	Hamwih, Hampshire	ABMAP
132	15	Hamwih, Hampshire	ABMAP
129.2	.	Hamwih, Hampshire	ABMAP
121.5	14.5	Hamwih, Hampshire	ABMAP
133.1	15.1	Hamwih, Hampshire	ABMAP
108.6	15	Hamwih, Hampshire	ABMAP
115.4	13.2	Hamwih, Hampshire	ABMAP
130.6	14.5	Hamwih, Hampshire	ABMAP
119.8	12.1	Hamwih, Hampshire	ABMAP
122.4	12.8	Hamwih, Hampshire	ABMAP
121	13.3	Hamwih, Hampshire	ABMAP
132.2	15.4	Hamwih, Hampshire	ABMAP
134.4	13.9	Hamwih, Hampshire	ABMAP
.	13.5	Hamwih, Hampshire	ABMAP
.	13	Hamwih, Hampshire	ABMAP
.	14.1	Hamwih, Hampshire	ABMAP
.	14.7	Hamwih, Hampshire	ABMAP
.	13.8	Hamwih, Hampshire	ABMAP
107.5	.	North Elmham	Noddle, 1980
112	15	North Elmham	Noddle, 1980
117	13	North Elmham	Noddle, 1980
126	15.5	North Elmham	Noddle, 1980
131	.	North Elmham	Noddle, 1980

Appendix IVb: Metrical Data for 1) early/middle Saxon, 2) late Saxon,  
3) Norman and 4) Angevin Sheep Metapodia

<b>1b) Metatarsal Measurements for Early/Middle Saxon Sheep</b>			
<b>GI</b>	<b>SD</b>	<b>Site</b>	<b>Source of Information</b>
141.4	.	Hamwih, Hampshire	ABMAP
146.2	.	Hamwih, Hampshire	ABMAP
143.6	13.1	Hamwih, Hampshire	ABMAP
144.4	13.1	Hamwih, Hampshire	ABMAP
131.4	12.9	Hamwih, Hampshire	ABMAP
136.6	13.3	Hamwih, Hampshire	ABMAP
144.5	12.7	Hamwih, Hampshire	ABMAP
147.8	14.1	Hamwih, Hampshire	ABMAP
140.8	12.5	Hamwih, Hampshire	ABMAP
122.7	10.3	Hamwih, Hampshire	ABMAP
138.7	12.6	Hamwih, Hampshire	ABMAP
160.8	13.7	Hamwih, Hampshire	ABMAP
127.2	11.6	Hamwih, Hampshire	ABMAP
139	12.5	Hamwih, Hampshire	ABMAP
144.2	.	Hamwih, Hampshire	ABMAP
142.2	.	Hamwih, Hampshire	ABMAP
143.4	.	Hamwih, Hampshire	ABMAP
125.8	.	Hamwih, Hampshire	ABMAP
137.2	.	Hamwih, Hampshire	ABMAP
131.1	12.6	Hamwih, Hampshire	ABMAP
129.4	.	Hamwih, Hampshire	ABMAP
147.3	.	Hamwih, Hampshire	ABMAP
136.6	12.2	Hamwih, Hampshire	ABMAP
130.3	12.9	Hamwih, Hampshire	ABMAP
142.7	.	Hamwih, Hampshire	ABMAP
132.4	12.7	Hamwih, Hampshire	ABMAP
133.4	12.9	Hamwih, Hampshire	ABMAP
148.5	12.7	Hamwih, Hampshire	ABMAP
140.6	12.9	Hamwih, Hampshire	ABMAP
130.5	.	Hamwih, Hampshire	ABMAP
126.8	11.5	Hamwih, Hampshire	ABMAP
140.3	.	Hamwih, Hampshire	ABMAP
130.7	11.5	Hamwih, Hampshire	ABMAP
138	13.8	Hamwih, Hampshire	ABMAP
138	.	Hamwih, Hampshire	ABMAP
123.2	11.9	Hamwih, Hampshire	ABMAP
138.7	11.3	Hamwih, Hampshire	ABMAP
146.9	13.7	Hamwih, Hampshire	ABMAP
143.8	12	Hamwih, Hampshire	ABMAP
135.8	13.4	Hamwih, Hampshire	ABMAP
141.6	11.6	Hamwih, Hampshire	ABMAP
139.3	13.9	Hamwih, Hampshire	ABMAP
128.3	.	Hamwih, Hampshire	ABMAP
142.5	13.1	Hamwih, Hampshire	ABMAP
132	13.2	Hamwih, Hampshire	ABMAP
140.3	12.2	Hamwih, Hampshire	ABMAP
139.1	12.8	Hamwih, Hampshire	ABMAP
154.5	13	Hamwih, Hampshire	ABMAP
137.6	13	Hamwih, Hampshire	ABMAP
147.5	12.6	Hamwih, Hampshire	ABMAP
133.7	12.2	Hamwih, Hampshire	ABMAP
136.4	11.9	Hamwih, Hampshire	ABMAP
132	12.8	Hamwih, Hampshire	ABMAP
133.3	12.4	Hamwih, Hampshire	ABMAP
138	12.4	Hamwih, Hampshire	ABMAP
145.8	13.1	Hamwih, Hampshire	ABMAP
133.1	.	Hamwih, Hampshire	ABMAP
131.5	14.4	Hamwih, Hampshire	ABMAP
134.1	12.8	Hamwih, Hampshire	ABMAP
126.5	11.7	Hamwih, Hampshire	ABMAP
136.3	11.5	Hamwih, Hampshire	ABMAP
147.9	13.4	Hamwih, Hampshire	ABMAP



Appendix IVb: Metrical Data for 1) early/middle Saxon, 2) late Saxon,  
3) Norman and 4) Angevin Sheep Metapodia

<b>1b (continued) Metatarsal Measurements for Early/Middle Saxon Sheep</b>			
<b>GL</b>	<b>SD</b>	<b>Site</b>	<b>Source of Information</b>
111.2	.	Hamwih, Hampshire	ABMAP
137.9	12.7	Hamwih, Hampshire	ABMAP
128.5	13.4	Hamwih, Hampshire	ABMAP
127.6	12.6	Hamwih, Hampshire	ABMAP
148.9	12.1	Hamwih, Hampshire	ABMAP
130.3	13.1	Hamwih, Hampshire	ABMAP
132	12.9	Hamwih, Hampshire	ABMAP
131.8	.	Hamwih, Hampshire	ABMAP
131.8	12.9	Hamwih, Hampshire	ABMAP
147.5	12.8	Hamwih, Hampshire	ABMAP
132.2	.	Hamwih, Hampshire	ABMAP
138.6	12.7	Hamwih, Hampshire	ABMAP
146	13.8	Hamwih, Hampshire	ABMAP
140.3	12.8	Hamwih, Hampshire	ABMAP
141.7	13.1	Hamwih, Hampshire	ABMAP
126.3	.	Hamwih, Hampshire	ABMAP
128.3	12.6	Hamwih, Hampshire	ABMAP
137.3	13.9	Hamwih, Hampshire	ABMAP
132.7	12.2	Hamwih, Hampshire	ABMAP
137	12.9	Hamwih, Hampshire	ABMAP
143.8	13.4	Hamwih, Hampshire	ABMAP
145.9	12.2	Hamwih, Hampshire	ABMAP
135.8	12.8	Hamwih, Hampshire	ABMAP
133	12.9	Hamwih, Hampshire	ABMAP
125.6	11.7	Hamwih, Hampshire	ABMAP
148.5	13.4	Hamwih, Hampshire	ABMAP
139	13.4	Hamwih, Hampshire	ABMAP
135.7	.	Hamwih, Hampshire	ABMAP
144.4	13	Hamwih, Hampshire	ABMAP
129.9	.	Hamwih, Hampshire	ABMAP
127	.	Hamwih, Hampshire	ABMAP
140.4	.	Hamwih, Hampshire	ABMAP
142.1	12.8	Hamwih, Hampshire	ABMAP
140.2	13.1	Hamwih, Hampshire	ABMAP
144	.	Hamwih, Hampshire	ABMAP
143.8	13.8	Hamwih, Hampshire	ABMAP
132.2	12.6	Hamwih, Hampshire	ABMAP
135.5	11.5	Hamwih, Hampshire	ABMAP
130.8	11.5	Hamwih, Hampshire	ABMAP
142.7	12.6	Hamwih, Hampshire	ABMAP
129.9	13	Hamwih, Hampshire	ABMAP
130.7	12	Hamwih, Hampshire	ABMAP
139.5	12.6	Hamwih, Hampshire	ABMAP
142.2	13.7	Hamwih, Hampshire	ABMAP
134.5	12.4	Hamwih, Hampshire	ABMAP
113.6	11.3	Hamwih, Hampshire	ABMAP
148.3	12.7	Hamwih, Hampshire	ABMAP
136.8	13	Hamwih, Hampshire	ABMAP
.	12.6	Hamwih, Hampshire	ABMAP
.	13.6	Hamwih, Hampshire	ABMAP
.	13.5	Hamwih, Hampshire	ABMAP
.	13	Hamwih, Hampshire	ABMAP
.	13.4	Hamwih, Hampshire	ABMAP
.	11.7	Hamwih, Hampshire	ABMAP
.	11.6	Hamwih, Hampshire	ABMAP
.	12.5	Hamwih, Hampshire	ABMAP
.	11.7	Hamwih, Hampshire	ABMAP
.	13	Hamwih, Hampshire	ABMAP
.	12.5	Hamwih, Hampshire	ABMAP
.	14.1	Hamwih, Hampshire	ABMAP
.	11.8	Hamwih, Hampshire	ABMAP
.	12.2	Hamwih, Hampshire	ABMAP

Appendix IVb: Metrical Data for 1) early/middle Saxon, 2) late Saxon,  
3) Norman and 4) Angevin Sheep Metapodia

.	12.6	Hamwih, Hampshire	ABMAP
.	12.9	Hamwih, Hampshire	ABMAP
115	12	North Elmham	Noddle, 1980
115.5	13	North Elmham	Noddle, 1980
126	12	North Elmham	Noddle, 1980
135	13	North Elmham	Noddle, 1980

2a) Metacarpal Measurements for Late Saxon Sheep			
GI	SD	Site	Source of Information
121.5	14.3	Hamwih, Hampshire	ABMAP
127.6	.	Hamwih, Hampshire	ABMAP
131	15.5	Hamwih, Hampshire	ABMAP
126.1	15.3	Hamwih, Hampshire	ABMAP
127.5	15.3	Hamwih, Hampshire	ABMAP
121.2	13.6	Hamwih, Hampshire	ABMAP
129.5	14.7	Hamwih, Hampshire	ABMAP
127.3	14	Hamwih, Hampshire	ABMAP
136.3	14.2	Hamwih, Hampshire	ABMAP
128.4	14.8	Hamwih, Hampshire	ABMAP
113.7	12.8	Hamwih, Hampshire	ABMAP
123.3	14.1	Hamwih, Hampshire	ABMAP
132.2	15.2	Hamwih, Hampshire	ABMAP
128.2	.	Hamwih, Hampshire	ABMAP
131.2	14.3	Hamwih, Hampshire	ABMAP
130.6	.	Hamwih, Hampshire	ABMAP
.	16.9	Hamwih, Hampshire	ABMAP
.	13.6	Hamwih, Hampshire	ABMAP
122.8	13	Hamwih, Hampshire	ABMAP
123.3	16	Sussex Road, Winchester	ABMAP
125.9	12.9	Sussex Road, Winchester	ABMAP
114.3	12	Sussex Road, Winchester	ABMAP
116.5	14.3	Sussex Road, Winchester	ABMAP
123.3	14.7	Sussex Road, Winchester	ABMAP
121.7	14.2	Sussex Road, Winchester	ABMAP
122.5	15.2	Sussex Road, Winchester	ABMAP
108.7	12.7	Sussex Road, Winchester	ABMAP
134	16.2	Sussex Road, Winchester	ABMAP
111.3	12.1	Sussex Road, Winchester	ABMAP
118.1	12.5	Sussex Road, Winchester	ABMAP
122.3	13.9	Sussex Road, Winchester	ABMAP
111.4	12.2	Sussex Road, Winchester	ABMAP
115.9	14.1	Sussex Road, Winchester	ABMAP
128.4	14.6	Sussex Road, Winchester	ABMAP
118	14.4	Sussex Road, Winchester	ABMAP
124.3	.	Sussex Road, Winchester	ABMAP
121.2	13.1	Sussex Road, Winchester	ABMAP
121.4	13	Sussex Road, Winchester	ABMAP
105.4	12.6	Sussex Road, Winchester	ABMAP
118.6	14.5	Sussex Road, Winchester	ABMAP
.	13.8	Sussex Road, Winchester	ABMAP
.	12.9	Sussex Road, Winchester	ABMAP
.	13.3	Sussex Road, Winchester	ABMAP
.	15.8	Sussex Road, Winchester	ABMAP
.	12.4	Sussex Road, Winchester	ABMAP
.	14.8	Sussex Road, Winchester	ABMAP
.	14.8	Sussex Road, Winchester	ABMAP
.	13.9	Sussex Road, Winchester	ABMAP
.	13.9	Sussex Road, Winchester	ABMAP
.	13.2	Sussex Road, Winchester	ABMAP
.	14.2	Sussex Road, Winchester	ABMAP
124	13	New Road, Winchester	ABMAP
126.9	15.2	Lincoln	Dobney <i>et al.</i> , 1995
122.9	14.1	Lincoln	Dobney <i>et al.</i> , 1995

Appendix IVb: Metrical Data for 1) early/middle Saxon, 2) late Saxon,  
3) Norman and 4) Angevin Sheep Metapodia

<b>2a (continued) Metacarpal Measurements for Late Saxon Sheep</b>			
<b>GI</b>	<b>SD</b>	<b>Site</b>	<b>Source of Information</b>
138.2	12.8	Lincoln	Dobney <i>et al.</i> , 1995
107.7	13.4	Lincoln	Dobney <i>et al.</i> , 1995
125.6	14.5	Lincoln	Dobney <i>et al.</i> , 1995
131.8	14.4	Lincoln	Dobney <i>et al.</i> , 1995
134	14.4	Lincoln	Dobney <i>et al.</i> , 1995
130.7	15.4	Lincoln	Dobney <i>et al.</i> , 1995
133.5	14.32	Lincoln	Dobney <i>et al.</i> , 1995
121.6	13.1	Lincoln	Dobney <i>et al.</i> , 1995
126.5	14.6	Lincoln	Dobney <i>et al.</i> , 1995
.	13.8	Lincoln	Dobney <i>et al.</i> , 1995
.	14.8	Lincoln	Dobney <i>et al.</i> , 1995
.	13.9	Lincoln	Dobney <i>et al.</i> , 1995
.	14.7	North Suburbs, Winchester	ABMAP
.	14.6	North Suburbs, Winchester	ABMAP
.	13.4	North Suburbs, Winchester	ABMAP
.	14.2	North Suburbs, Winchester	ABMAP
.	14.2	East Suburbs, Winchester	ABMAP
.	14.8	Winchester Defences	ABMAP
112	14	North Elmham	Noddle, 1980
112	13	North Elmham	Noddle, 1980
124	12	North Elmham	Noddle, 1980
125	.	North Elmham	Noddle, 1980
131	.	North Elmham	Noddle, 1980

<b>2b) Metatarsal Measurements for Late Saxon Sheep</b>			
<b>GI</b>	<b>SD</b>	<b>Site</b>	<b>Source of Information</b>
130	.	Hamwih, Hampshire	ABMAP
145.4	.	Hamwih, Hampshire	ABMAP
139.2	13.8	Hamwih, Hampshire	ABMAP
125.9	12.2	Hamwih, Hampshire	ABMAP
142.1	.	Hamwih, Hampshire	ABMAP
129.3	12.6	Hamwih, Hampshire	ABMAP
137.8	.	Hamwih, Hampshire	ABMAP
121.8	12.1	Hamwih, Hampshire	ABMAP
139.8	12.5	Hamwih, Hampshire	ABMAP
138.8	.	Hamwih, Hampshire	ABMAP
134	11.3	Hamwih, Hampshire	ABMAP
123.9	.	Hamwih, Hampshire	ABMAP
130.6	.	Hamwih, Hampshire	ABMAP
135.7	.	Hamwih, Hampshire	ABMAP
139.7	.	Hamwih, Hampshire	ABMAP
132.1	.	Hamwih, Hampshire	ABMAP
137.7	.	Hamwih, Hampshire	ABMAP
134.5	.	Hamwih, Hampshire	ABMAP
132.6	.	Hamwih, Hampshire	ABMAP
132	.	Hamwih, Hampshire	ABMAP
131.2	.	Hamwih, Hampshire	ABMAP
133.6	.	Hamwih, Hampshire	ABMAP
.	13.1	Hamwih, Hampshire	ABMAP
.	13.1	Hamwih, Hampshire	ABMAP
.	13.4	Hamwih, Hampshire	ABMAP
.	12.8	Hamwih, Hampshire	ABMAP
.	11.3	Hamwih, Hampshire	ABMAP
123.6	12.3	Sussex Road, Winchester	ABMAP
134	12.7	Sussex Road, Winchester	ABMAP
129	10.3	Sussex Road, Winchester	ABMAP
130.2	12.2	Sussex Road, Winchester	ABMAP
125	12.3	Sussex Road, Winchester	ABMAP
106.7	11.4	Sussex Road, Winchester	ABMAP
120	11.6	Sussex Road, Winchester	ABMAP
126	12.2	Sussex Road, Winchester	ABMAP

Appendix IVb: Metrical Data for 1) early/middle Saxon, 2) late Saxon,  
3) Norman and 4) Angevin Sheep Metapodia

<b>2b) Metatarsal Measurements for Late Saxon Sheep</b>			
<b>GL</b>	<b>SD</b>	<b>Site</b>	<b>Source of Information</b>
119.1	10.3	Sussex Road, Winchester	ABMAP
122.7	16.1	Sussex Road, Winchester	ABMAP
128	11.6	Sussex Road, Winchester	ABMAP
124.8	11.1	Sussex Road, Winchester	ABMAP
.	12.8	Sussex Road, Winchester	ABMAP
.	13.1	Sussex Road, Winchester	ABMAP
.	11.4	Sussex Road, Winchester	ABMAP
.	11.7	Sussex Road, Winchester	ABMAP
.	11.8	Sussex Road, Winchester	ABMAP
.	12.1	Sussex Road, Winchester	ABMAP
.	12.6	Sussex Road, Winchester	ABMAP
.	11.3	Sussex Road, Winchester	ABMAP
.	11.6	Sussex Road, Winchester	ABMAP
.	11.5	Sussex Road, Winchester	ABMAP
148.3	14.4	Lincoln	Dobney <i>et al.</i> , 1995
133.2	10	Lincoln	Dobney <i>et al.</i> , 1995
136.1	12.5	Lincoln	Dobney <i>et al.</i> , 1995
135.4	11.6	Lincoln	Dobney <i>et al.</i> , 1995
.	12.8	North Suburbs, Winchester	ABMAP
.	11.2	North Suburbs, Winchester	ABMAP
.	11.7	North Suburbs, Winchester	ABMAP
.	12.7	North Suburbs, Winchester	ABMAP
.	11.5	North Suburbs, Winchester	ABMAP
.	10.5	North Suburbs, Winchester	ABMAP
.	9.1	North Suburbs, Winchester	ABMAP
.	10.6	North Suburbs, Winchester	ABMAP
.	11.4	North Suburbs, Winchester	ABMAP
.	12.4	North Suburbs, Winchester	ABMAP
.	12.2	North Suburbs, Winchester	ABMAP
.	12.2	North Suburbs, Winchester	ABMAP
.	10.9	East Suburbs, Winchester	ABMAP
.	12.9	East Suburbs, Winchester	ABMAP
.	11.9	East Suburbs, Winchester	ABMAP
.	12.9	East Suburbs, Winchester	ABMAP
.	11	Winchester Defences	ABMAP
.	11.9	Winchester Defences	ABMAP
.	11.5	Winchester Defences	ABMAP
.	9.8	Winchester Defences	ABMAP
115	14	North Elmham	Noddle, 1980
127	14	North Elmham	Noddle, 1980
120	12	Walton, Aylesbury	ABMAP
117	11	Walton, Aylesbury	ABMAP
.	10.8	Ramsbury	ABMAP
.	9.9	Itchen Abbas Road	ABMAP
.	10.2	Itchen Abbas Road	ABMAP

<b>3a) Metacarpal Measurements for Norman Sheep</b>			
<b>GL</b>	<b>SD</b>	<b>Site</b>	<b>Source of Information</b>
117.7	13	Sussex Road, Winchester	ABMAP
112.6	11.9	Sussex Road, Winchester	ABMAP
115.8	13.8	Sussex Road, Winchester	ABMAP
119.5	14.8	Sussex Road, Winchester	ABMAP
121.7	14.6	Sussex Road, Winchester	ABMAP
.	12.2	Sussex Road, Winchester	ABMAP
.	12.4	Sussex Road, Winchester	ABMAP
.	12.8	Sussex Road, Winchester	ABMAP
.	13.2	Sussex Road, Winchester	ABMAP
.	13.9	Sussex Road, Winchester	ABMAP
.	13.1	Sussex Road, Winchester	ABMAP
.	12.1	Sussex Road, Winchester	ABMAP
133.4	14.6	Southampton New Town	ABMAP

Appendix IVb: Metrical Data for 1) early/middle Saxon, 2) late Saxon,  
3) Norman and 4) Angevin Sheep Metapodia

<b>3a) Metacarpal Measurements for Norman Sheep</b>			
<b>GI</b>	<b>SD</b>	<b>Site</b>	<b>Source of Information</b>
126.3	15.3	Southampton New Town	ABMAP
121.2	13.2	Southampton New Town	ABMAP
120.3	14	Southampton New Town	ABMAP
126.1	.	Southampton New Town	ABMAP
127.6	14.4	Deansway 1, Hereford	ABMAP
113	11.4	Eckweek, Avon	ABMAP
109	.	Eckweek, Avon	ABMAP
124	13.5	North Elmham	Noddle, 1980
105	13	Walton, Aylesbury	ABMAP
107	13	Walton, Aylesbury	ABMAP

<b>3b) Metatarsal Measurements for Norman Sheep</b>			
<b>GI</b>	<b>SD</b>	<b>Site</b>	<b>Source of Information</b>
115.6	.	Sussex Road, Winchester	ABMAP
124	11.9	Sussex Road, Winchester	ABMAP
116.2	10.2	Sussex Road, Winchester	ABMAP
118.4	11.3	Sussex Road, Winchester	ABMAP
116.3	10.3	Sussex Road, Winchester	ABMAP
.	10.8	Sussex Road, Winchester	ABMAP
.	11.4	Sussex Road, Winchester	ABMAP
.	11.1	Sussex Road, Winchester	ABMAP
.	11.2	Sussex Road, Winchester	ABMAP
.	12.8	Sussex Road, Winchester	ABMAP
.	11.8	Sussex Road, Winchester	ABMAP
.	11.7	Sussex Road, Winchester	ABMAP
.	11.9	Sussex Road, Winchester	ABMAP
.	11.5	New Road Einchester	ABMAP
122.4	.	Southampton New Town	ABMAP
126.5	.	Southampton New Town	ABMAP
127.5	.	Southampton New Town	ABMAP
127.2	.	Southampton New Town	ABMAP
132	12.4	Lincoln	Dobney <i>et al.</i> , 1995
132	12.4	Lincoln	Dobney <i>et al.</i> , 1995
116	11.5	North Elmham	Noddle, 1980
117	10.5	Walton, Aylesbury	ABMAP
117	11.5	North Elmham	Noddle, 1980
120	12	Walton, Aylesbury	ABMAP
112.8	.	Crowder Terrace	ABMAP
.	11.3	Crowder Terrace	ABMAP
.	11	Crowder Terrace	ABMAP
118.6	12.1	Brighton Hill South, Hants	ABMAP
133.7	12.9	Brighton Hill South, Hants	ABMAP

<b>4a) Metacarpal Measurements for Angevin Sheep</b>			
<b>GI</b>	<b>SD</b>	<b>Site</b>	<b>Source of Information</b>
111.3	14.5	Southampton New Town	ABMAP
105.7	11.8	Southampton New Town	ABMAP
105.8	12.8	Southampton New Town	ABMAP
114	11.4	Southampton New Town	ABMAP
112.3	13.9	Southampton New Town	ABMAP
110.8	12	Southampton New Town	ABMAP
113	12.9	Southampton New Town	ABMAP
120	13.1	Southampton New Town	ABMAP
118	13.2	Southampton New Town	ABMAP
118	13.1	Southampton New Town	ABMAP
110.2	12.2	Southampton New Town	ABMAP
116.2	14.1	Southampton New Town	ABMAP
104.8	14	Southampton New Town	ABMAP
111.8	13.4	Deansway 1, Hereford	ABMAP
127.6	13.4	Deansway 1, Hereford	ABMAP

Appendix IVb: Metrical Data for 1) early/middle Saxon, 2) late Saxon,  
3) Norman and 4) Angevin Sheep Metapodia

4a) Metacarpal Measurements for Angevin Sheep			
GL	SD	Site	Source of Information
130.9	13.9	Deansway 1, Hereford	ABMAP
116.4	14.1	Deansway 1, Hereford	ABMAP
116.7	12.9	Deansway 1, Hereford	ABMAP
109.3	15.7	Deansway 1, Hereford	ABMAP
113.7	11	Launceston Castle	ABMAP
116.3	11.2	Launceston Castle	ABMAP
101.1	11.1	Launceston Castle	ABMAP
115	12	Launceston Castle	ABMAP
116.1	12	Launceston Castle	ABMAP
113.6	12.9	Launceston Castle	ABMAP
112.4	13	Launceston Castle	ABMAP
121	14	Eckweek, Avon	ABMAP
122.3	12.5	West Cotton	ABMAP
108.8	12.9	West Cotton	ABMAP
119.1	13.4	West Cotton	ABMAP
130.5	14	West Cotton	ABMAP
119.3	12.8	West Cotton	ABMAP
126.1	13.8	West Cotton	ABMAP
112.9	12.7	West Cotton	ABMAP
114.5	13.4	Lincoln	Dobney <i>et al.</i> , 1995
121	12.1	North Street, Lewes	Collected Personally
.	12	North Street, Lewes	Collected Personally
.	11.5	North Street, Lewes	Collected Personally
120	13.5	North Street, Lewes	Collected Personally
.	12	North Street, Lewes	Collected Personally
.	13.8	North Street, Lewes	Collected Personally
118	13.5	North Street, Lewes	Collected Personally
120	13.7	North Street, Lewes	Collected Personally
.	12.9	North Street, Lewes	Collected Personally
122	13.6	North Street, Lewes	Collected Personally
.	13.8	North Street, Lewes	Collected Personally
.	13.4	North Street, Lewes	Collected Personally
.	14.3	North Street, Lewes	Collected Personally
.	14	North Street, Lewes	Collected Personally
.	14.3	North Street, Lewes	Collected Personally
.	14.3	North Street, Lewes	Collected Personally
123	14	North Elmham	Noddle, 1980
120	14	Walton, Aylesbury	ABMAP
103	11	Walton, Aylesbury	ABMAP

4b) Metatarsal Measurements for Angevin Sheep			
GL	SD	Site	Source of Information
125	11.3	Sussex Road, Winchester	ABMAP
119	10.7	Southampton New Town	ABMAP
123.5	11	Southampton New Town	ABMAP
121	11.9	Southampton New Town	ABMAP
114.3	10.5	Southampton New Town	ABMAP
130	12.4	Southampton New Town	ABMAP
123	11.9	Southampton New Town	ABMAP
118.2	9.8	Launceston Castle	ABMAP
119.9	10.4	Launceston Castle	ABMAP
145	12.6	Launceston Castle	ABMAP
133.3	11.3	Launceston Castle	ABMAP
118	10.3	Eckweek, Avon	ABMAP
126.7	11.6	West Cotton	ABMAP
129.6	10.6	West Cotton	ABMAP
134.8	10.3	West Cotton	ABMAP
122	10.5	West Cotton	ABMAP
.	11.7	North Street, Lewes	Collected Personally
132	11.6	North Street, Lewes	Collected Personally
.	11.2	North Street, Lewes	Collected Personally

Appendix IVb: Metrical Data for 1) early/middle Saxon, 2) late Saxon,  
3) Norman and 4) Angevin Sheep Metapodia

<b>4b (continued) Metatarsal Measurements for Angevin Sheep</b>			
<b>GI</b>	<b>SD</b>	<b>Site</b>	<b>Source of Information</b>
.	11.3	North Street, Lewes	Collected Personally
138	11.6	North Street, Lewes	Collected Personally
131	11.1	North Street, Lewes	Collected Personally
.	11.6	North Street, Lewes	Collected Personally
.	12.2	North Street, Lewes	Collected Personally
139	12.3	North Street, Lewes	Collected Personally
115	12	North Elmham	Noddle, 1980
118	11	North Elmham	Noddle, 1980
135	11	North Elmham	Noddle, 1980
135	11.5	North Elmham	Noddle, 1980
125	11.5	Walton, Aylesbury	ABMAP
130	12.5	North Elmham	Noddle, 1980
120	12	Walton, Aylesbury	ABMAP
.	11.5	Guildford Castle	ABMAP
.	10.3	Guildford Castle	ABMAP
.	10.7	Guildford Castle	ABMAP
126.5	10.4	Guildford Castle	ABMAP
120	10.3	Guildford Castle	ABMAP
122	11	Christchurch, Dorset	ABMAP

Appendix IVbii: Metrical Data for Horn Cores from Modern and Archaeological Sheep.

Breed	FP	TP	BA	BB	Sex	Group
Mouflon	53	42	53	40	Male	Primitive
Mouflon	53	47	52	42	Male	Primitive
Mouflon	39	37	46	36	Male	Primitive
Mouflon	39	37	39	48	Male	Primitive
Mouflon	50	28	29	22	Female	Primitive
Mouflon	50	29	31	22	Female	Primitive
Mouflon	31	43	54	38	Male	Primitive
Mouflon	31	46	49	37	Male	Primitive
Mouflon	39	41	42	30	Male	Primitive
Mouflon	39	38	37	28	Male	Primitive
Mouflon	47	55	51	37	Male	Primitive
Mouflon	47	47	49	37	Male	Primitive
Mouflon	53	52	56	40	Male	Primitive
Mouflon	53	44	52	42	Male	Primitive
Mouflon	41	31	39	28	Male	Primitive
Mouflon	41	35	39	28	Male	Primitive
Mouflon	39	38	40	28	Male	Primitive
Mouflon	39	34	38	27	Male	Primitive
Mouflon	51	45	53	38	Male	Primitive
Mouflon	51	45	40	32	Male	Primitive
Mouflon	41	43	57	45	Male	Primitive
Mouflon	41	45	56	45	Male	Primitive
Mouflon	37	37	49	34	Male	Primitive
Mouflon	37	43	51	36	Male	Primitive
Mouflon	54	41	60	44	Male	Primitive
Mouflon	54	42	59	47	Male	Primitive
Mouflon	51	39	55	45	Male	Primitive
Mouflon	51	38	55	46	Male	Primitive
Mouflon	36	35	41	31	Male	Primitive
Mouflon	36	33	40	32	Male	Primitive
Mouflon	42	41	52	41	Male	Primitive
Mouflon	42	38	58	39	Male	Primitive
Soay	41	34	37	24	Male	Primitive
Soay	41	43	36	27	Male	Primitive
Soay	44	38	39	21	Castrate	Primitive
Soay	44	33	39	21	Castrate	Primitive
Soay	42	33	40	23	Castrate	Primitive
Soay	42	30	40	24	Castrate	Primitive
Soay	47	29	27	16	Female	Primitive
Soay	47	30	30	20	Female	Primitive
Soay	42	28	33	17	Female	Primitive
Soay	42	28	34	20	Female	Primitive
Soay	39	35	29	19	Female	Primitive
Soay	39	33	28	15	Female	Primitive
Soay	47	26	29	16	Female	Primitive
Soay	47	28	32	17	Female	Primitive
Soay	42	38	50	35	Male	Primitive
Soay	42	37	47	35	Male	Primitive
Soay	41	28	32	20	Female	Primitive
Soay	41	24	30	19	Female	Primitive
Soay	48	29	48	24	Unknown	Primitive
Soay	48	30	49	24	Unknown	Primitive
Soay	44	29	29	17	Unknown	Primitive
Soay	44	27	28	16	Unknown	Primitive
Soay	47	28	29	19	Unknown	Primitive
Soay	47	33	28	20	Unknown	Primitive
Soay	46	27	37	20	Unknown	Primitive
Soay	46	30	35	19	Unknown	Primitive
Soay	45	29	31	18	Female	Primitive
Soay	45	28	29	15	Female	Primitive
Soay	35	31	32	23	Female	Primitive
Soay	35	31	33	22	Female	Primitive



Appendix IVbii: Metrical Data for Horn Cores from Modern and Archaeological Sheep.

Breed	FP	TP	BA	BB	Sex	Group
Orkney	43	32	40	33	Male	Primitive
Orkney	43	35	41	39	Male	Primitive
Orkney	59	34	29	20	Unknown	Primitive
Orkney	59	38	28	20	Unknown	Primitive
Orkney	51	40	47	32	Male	Primitive
Orkney	51	46	45	33	Male	Primitive
Orkney	40	39	42	31	Male	Primitive
Orkney	40	39	42	32	Male	Primitive
Orkney	47	27	34	22	Unknown	Primitive
Orkney	47	30	32	22	Unknown	Primitive
Orkney	56	27	31	22	Unknown	Primitive
Orkney	56	29	32	20	Unknown	Primitive
Orkney	46	34	39	26	Unknown	Primitive
Orkney	46	36	38	25	Unknown	Primitive
Orkney	42	37	41	32	Male	Primitive
Orkney	42	39	40	30	Male	Primitive
Orkney	52	25	27	18	Female	Primitive
Orkney	52	26	28	19	Female	Primitive
Orkney	48	25	29	18	Female	Primitive
Orkney	48	29	28	17	Female	Primitive
Orkney	39	42	43	33	Unknown	Primitive
Orkney	39	44	42	32	Unknown	Primitive
Orkney	46	30	27	19	Unknown	Primitive
Orkney	46	30	28	20	Unknown	Primitive
Orkney	47	34	25	19	Unknown	Primitive
Orkney	47	37	26	20	Unknown	Primitive
Orkney	53	30	29	23	Unknown	Primitive
Orkney	53	31	30	24	Unknown	Primitive
Orkney	48	31	31	28	Unknown	Primitive
Orkney	48	32	33	29	Unknown	Primitive
Orkney	46	30	24	20	Unknown	Primitive
Orkney	46	32	23	21	Unknown	Primitive
Orkney	35	38	42	32	Male	Primitive
Orkney	35	36	42	32	Male	Primitive
Orkney	49	36	39	35	Male	Primitive
Orkney	49	38	38	35	Male	Primitive
Orkney	47	39	40	30	Unknown	Primitive
Orkney	47	37	40	30	Unknown	Primitive
Orkney	40	33	38	26	Unknown	Primitive
Orkney	40	34	41	27	Unknown	Primitive
Orkney	41	33	35	27	Unknown	Primitive
Orkney	41	35	34	28	Unknown	Primitive
Orkney	40	39	42	36	Unknown	Primitive
Orkney	40	34	.	.	Unknown	Primitive
Orkney	42	39	36	29	Unknown	Primitive
Orkney	42	36	36	30	Unknown	Primitive
Orkney	39	41	38	30	Unknown	Primitive
Orkney	39	38	36	32	Unknown	Primitive
Orkney	42	35	38	32	Unknown	Primitive
Orkney	42	34	.	.	Unknown	Primitive
Orkney	41	43	.	.	Unknown	Primitive
Orkney	41	40	.	.	Unknown	Primitive
Orkney	53	35	40	29	Unknown	Primitive
Orkney	53	32	39	29	Unknown	Primitive
Orkney	45	30	31	22	Unknown	Primitive
Orkney	45	28	30	22	Unknown	Primitive
Orkney	37	40	35	27	Unknown	Primitive
Orkney	37	36	34	27	Unknown	Primitive
Orkney	49	38	38	32	Unknown	Primitive
Orkney	49	37	38	29	Unknown	Primitive
Castlemilk Moorit	46	35	53	39	Male	Primitive
Castlemilk Moorit	46	38	52	37	Male	Primitive

Appendix IVbii: Metrical Data for Horn Cores from Modern and Archaeological Sheep.

Breed	FP	TP	BA	BB	Sex	Group
Castlemilk Moorit	42	43	61	43	Male	Primitive
Castlemilk Moorit	42	38	58	42	Male	Primitive
Castlemilk Moorit	50	28	36	22	Female	Primitive
Castlemilk Moorit	50	28	34	21	Female	Primitive
Castlemilk Moorit	54	27	33	22	Female	Primitive
Castlemilk Moorit	54	29	32	21	Female	Primitive
Shetland	57	41	45	28	Male	Intermediate
Shetland	57	.	41	29	Male	Intermediate
Shetland	52	38	43	29	Male	Intermediate
Shetland	52	39	41	30	Male	Intermediate
Shetland	60	37	45	34	Male	Intermediate
Shetland	60	39	49	34	Male	Intermediate
Shetland	52	38	42	26	Male	Intermediate
Shetland	52	35	33	25	Male	Intermediate
Shetland	49	43	52	35	Male	Intermediate
Shetland	49	43	52	32	Male	Intermediate
Shetland	59	36	37	26	Male	Intermediate
Shetland	59	34	38	27	Male	Intermediate
Shetland	51	36	34	22	Male	Intermediate
Shetland	51	34	31	24	Male	Intermediate
Shetland	55	25	33	28	Unknown	Intermediate
Shetland	55	26	36	30	Unknown	Intermediate
Shetland	51	30	45	36	Male	Intermediate
Shetland	51	30	44	36	Male	Intermediate
Norfolk Horn	58	28	36	22	Female	Intermediate
Norfolk Horn	58	27	34	23	Female	Intermediate
Norfolk Horn	49	33	57	38	Male	Intermediate
Norfolk Horn	49	35	.	.	Male	Intermediate
Scottish Blackface	66	20	29	24	Female	Improved
Scottish Blackface	66	18	25	24	Female	Improved
Scottish Blackface	73	21	30	26	Female	Improved
Scottish Blackface	73	20	31	26	Female	Improved
Scottish Blackface	61	25	39	31	Female	Improved
Scottish Blackface	61	24	37	27	Female	Improved
Scottish Blackface	49	21	34	30	Female	Improved
Scottish Blackface	49	22	35	32	Female	Improved
Scottish Blackface	66	31	31	22	Female	Improved
Scottish Blackface	66	30	32	25	Female	Improved
Scottish Blackface	65	25	32	26	Female	Improved
Scottish Blackface	65	26	29	24	Female	Improved
Scottish Blackface	66	25	34	32	Female	Improved
Scottish Blackface	66	28	34	29	Female	Improved
Scottish Blackface	75	26	27	23	Female	Improved
Scottish Blackface	75	28	30	21	Female	Improved
Scottish Blackface	73	22	31	26	Female	Improved
Scottish Blackface	73	24	32	25	Female	Improved
Scottish Blackface	54	29	25	23	Female	Improved
Scottish Blackface	52	22	25	20	Female	Improved
Scottish Blackface	52	24	24	19	Female	Improved
Scottish Blackface	52	30	29	19	Female	Improved
Scottish Blackface	52	29	30	22	Female	Improved
Scottish Blackface	59	26	33	26	Female	Improved
Scottish Blackface	59	28	35	23	Female	Improved
Scottish Blackface	65	27	28	20	Female	Improved
Scottish Blackface	65	26	25	20	Female	Improved
Scottish Blackface	75	28	27	26	Female	Improved
Scottish Blackface	75	28	29	25	Female	Improved
Scottish Blackface	58	30	51	40	Male	Improved
Scottish Blackface	58	30	51	43	Male	Improved
Swaledale	59	21	27	20	Female	Improved
Swaledale	59	25	25	21	Female	Improved
Swaledale	60	22	33	24	Female	Improved

Appendix IVbii: Metrical Data for Horn Cores from Modern and Archaeological Sheep.

Breed	FP	TP	BA	BB	Sex	Group
Swaledale	60	25	32	23	Female	Improved
Swaledale	72	35	47	37	Male	Improved
Swaledale	72	38	46	34	Male	Improved
Swaledale	62	20	30	23	Female	Improved
Swaledale	62	22	31	22	Female	Improved
Swaledale	71	22	29	25	Female	Improved
Swaledale	71	26	30	27	Female	Improved
Swaledale	62	19	26	23	Female	Improved
Swaledale	62	20	29	20	Female	Improved
Swaledale	61	20	30	22	Female	Improved
Swaledale	61	19	30	22	Female	Improved
Swaledale	61	23	32	25	Female	Improved
Swaledale	64	29	28	20	Female	Improved
Swaledale	64	28	27	23	Female	Improved
Portland	57	30	38	19	Castrate	Improved
Portland	57	30	38	19	Castrate	Improved
Portland	59	25	32	20	Female	Improved
Portland	59	26	.	.	Female	Improved
Portland	55	26	26	18	Female	Improved
Portland	55	27	25	16	Female	Improved
Portland	57	29	28	18	Female	Improved
Portland	57	26	28	18	Female	Improved
Portland	64	36	48	29	Male	Improved
Portland	64	36	47	33	Male	Improved
Portland	67	25	26	18	Female	Improved
Portland	67	22	.	.	Female	Improved
Portland	61	23	31	17	Female	Improved
Portland	61	25	31	16	Female	Improved
Portland	50	24	29	17	Female	Improved
Portland	50	29	28	19	Female	Improved
Exmoor Horn	75	27	33	25	Female	Highly Improved
Exmoor Horn	63	39	55	42	Male	Highly Improved
Exmoor Horn	63	39	51	40	Male	Highly Improved
Exmoor Horn	74	25	30	18	Female	Highly Improved
Exmoor Horn	74	28	28	20	Female	Highly Improved
Exmoor Horn	59	28	30	22	Female	Highly Improved
Exmoor Horn	59	29	29	21	Female	Highly Improved
Exmoor Horn	70	27	29	20	Female	Highly Improved
Exmoor Horn	70	27	30	20	Female	Highly Improved
Dorset horn	70	34	51	41	Male	Highly Improved
Dorset horn	81	27	35	24	Unknown	Highly Improved
Dorset horn	81	29	33	21	Unknown	Highly Improved
Dorset horn	83	31	36	25	Unknown	Highly Improved
Dorset horn	83	31	36	19	Unknown	Highly Improved
Dorset horn	90	29	34	19	Unknown	Highly Improved
Dorset horn	90	35	33	20	Unknown	Highly Improved
Dorset horn	89	24	32	19	Female	Highly Improved
Dorset horn	89	26	32	18	Female	Highly Improved
Dorset horn	58	22	.	.	Unknown	Highly Improved
Dorset horn	58	25	.	.	Unknown	Highly Improved
Dorset horn	57	28	29	21	Unknown	Highly Improved
Dorset horn	57	27	29	21	Unknown	Highly Improved
Dorset horn	65	27	33	21	Unknown	Highly Improved
Dorset horn	65	31	34	22	Unknown	Highly Improved
Dorset horn	57	22	29	23	Unknown	Highly Improved
Dorset horn	57	26	29	23	Unknown	Highly Improved
Dorset horn	70	25	30	21	Unknown	Highly Improved
Dorset horn	70	24	30	20	Unknown	Highly Improved
Dorset horn	66	24	34	25	Female	Highly Improved
Dorset horn	66	23	33	24	Female	Highly Improved
Dorset horn	57	20	32	19	Female	Highly Improved
Dorset horn	57	26	32	23	Female	Highly Improved

Appendix IVbii: Metrical Data for Horn Cores from Modern and Archaeological Sheep.

Breed	FP	TP	BA	BB	Sex	Group
Saxon	.	30	33	22	Unknown	From Portchester Castle
Saxon	54	31	47	30	Unknown	From Portchester Castle
Saxon	55	.	53	43	Unknown	From Portchester Castle
Saxon	.	.	48	38	Unknown	From Portchester Castle
Saxon	.	39	.	.	Unknown	From Portchester Castle
Saxon	.	27	39	30	Unknown	From Portchester Castle
Saxon	.	28	31	19	Unknown	From Portchester Castle
Saxon	52	29	26	17	Unknown	From Portchester Castle
Saxon	.	31	.	.	Unknown	From Portchester Castle
Saxon	.	.	36	22	Unknown	From Portchester Castle
Saxon	49	30	35	24	Unknown	From Portchester Castle
Saxon	42	.	.	.	Unknown	From Portchester Castle
Saxon	50	.	48	36	Unknown	From Portchester Castle
Saxon	.	.	55	40	Unknown	From Portchester Castle
Saxon	.	.	50	35	Unknown	From Portchester Castle
Saxon	52	28	33	26	Unknown	From Portchester Castle
Saxon	52	25	.	.	Unknown	From Portchester Castle
Saxon	53	36	55	39	Unknown	From Portchester Castle
Saxon	54	27	33	20	Unknown	From Portchester Castle
Saxon	54	25	31	20	Unknown	From Portchester Castle
Saxon	.	.	49	34	Unknown	From Portchester Castle
Saxon	54	29	25	17	Unknown	From Portchester Castle
Saxon	.	29	25	17	Unknown	From Portchester Castle
Norman	59	35	49	42	Unknown	From North St, Lewes
Norman	59	36	46	39	Unknown	From North St, Lewes
Norman	.	.	46	37	Unknown	From North St, Lewes
Norman	.	25	.	.	Unknown	From North St, Lewes
Norman	.	.	51	43	Unknown	From North St, Lewes
Norman	53	27	23	16	Unknown	From North St, Lewes
Norman	.	34	.	.	Unknown	From North St, Lewes
Norman	.	40	.	.	Unknown	From North St, Lewes
Norman	43	.	.	.	Unknown	From North St, Lewes
Norman	.	29	.	.	Unknown	From North St, Lewes
Norman	.	.	49	39	Unknown	From North St, Lewes
Norman	.	.	50	40	Unknown	From North St, Lewes
Norman	.	26	.	.	Unknown	From North St, Lewes
Norman	52	35	33	22	Unknown	From North St, Lewes
Norman	.	.	53	42	Unknown	From North St, Lewes
Norman	47	33	54	37	Unknown	From North St, Lewes
Norman	44	30	.	.	Unknown	From North St, Lewes
Norman	.	.	53	38	Unknown	From North St, Lewes
Norman	47	.	51	39	Unknown	From North St, Lewes
Norman	47	.	50	37	Unknown	From North St, Lewes
Norman	47	.	52	42	Unknown	From North St, Lewes
Norman	59	26	.	.	Unknown	From North St, Lewes
Norman	.	37	.	.	Unknown	From North St, Lewes

Appendix IVc: Pig tooth measurements

1a) M1 Measurements for Late Saxon Pigs					
CL	WA	WP	WC	Site	Source of Information
15.1	9.7	10.6	8.5	Portchester Castle	Collected Personally
15	9.3	10.5	8.4	Portchester Castle	Collected Personally
14.3	9.9	11.1	9.4	Portchester Castle	Collected Personally
15.6	10.3	10.8	9.2	Portchester Castle	Collected Personally
15.1	9.8	10.6	9.6	Portchester Castle	Collected Personally
14.9	10.2	10.6	9.4	Portchester Castle	Collected Personally
.	10	11.2	9.3	Portchester Castle	Collected Personally
14.5	.	10.1	9.1	Portchester Castle	Collected Personally
12.8	8.9	10.3	9.9	Portchester Castle	Collected Personally
13.8	10.1	11.4	9.4	Portchester Castle	Collected Personally
14.2	9.6	10.3	9	Portchester Castle	Collected Personally
15.6	10.3	11.4	9	Portchester Castle	Collected Personally
.	10.7	10.7	9.1	Portchester Castle	Collected Personally
14.9	10.1	11	8.9	Portchester Castle	Collected Personally
13.7	9.4	10.2	7.8	Portchester Castle	Collected Personally
14.3	9.9	10.4	8.7	Portchester Castle	Collected Personally
13	9.9	.	9.2	Portchester Castle	Collected Personally
13.7	9.6	10.3	8.3	Portchester Castle	Collected Personally
15.8	10.4	11.6	9.4	Portchester Castle	Collected Personally
14.5	11	11.4	9.7	Portchester Castle	Collected Personally
13.3	9.7	10.6	9	Portchester Castle	Collected Personally
15.5	10.7	11.6	9.5	Portchester Castle	Collected Personally
13.4	9.1	9.7	8	Portchester Castle	Collected Personally
14.6	9.8	10.8	8.9	Portchester Castle	Collected Personally
14.3	10.9	11.2	9.3	Portchester Castle	Collected Personally
14.8	10.2	11.2	9.1	Portchester Castle	Collected Personally
15.6	10.5	11.2	9.5	Portchester Castle	Collected Personally
15.1	11.6	12	9.7	Portchester Castle	Collected Personally
14.1	10.1	10.1	8.5	Portchester Castle	Collected Personally
15	9.5	10.9	8.6	Portchester Castle	Collected Personally
15.2	9.8	10.8	8.6	Portchester Castle	Collected Personally
15.1	9.1	10.5	8.9	Portchester Castle	Collected Personally
16.6	11.1	12.3	9.6	Portchester Castle	Collected Personally
14.9	10.5	10.8	9.6	Portchester Castle	Collected Personally
13.9	10.2	10.5	9.5	Portchester Castle	Collected Personally
14.3	10	11.5	9.2	Portchester Castle	Collected Personally
15.7	9.7	10.9	8.9	Portchester Castle	Collected Personally
14.2	9.2	9.9	8.6	Portchester Castle	Collected Personally
14.2	9.5	10.6	8.7	Portchester Castle	Collected Personally
14.4	10.3	11.3	9.4	Portchester Castle	Collected Personally
16.3	10	11.5	9	Portchester Castle	Collected Personally
13.7	10.4	10.8	9.2	Portchester Castle	Collected Personally
14.5	9.9	10.9	8.9	Portchester Castle	Collected Personally
13.8	10.1	10.2	9.2	Portchester Castle	Collected Personally
15	10.2	10.1	9	Portchester Castle	Collected Personally
14.3	10.8	11.5	9.6	Portchester Castle	Collected Personally
14.5	10.5	11.4	9.2	Portchester Castle	Collected Personally
14.1	9.8	10.8	8.8	Portchester Castle	Collected Personally
14.9	10.7	11.8	9.3	Portchester Castle	Collected Personally
13.7	9.6	10.6	8.7	Portchester Castle	Collected Personally
14.4	10	10.9	8.9	Portchester Castle	Collected Personally
16.1	10.2	11.7	9.5	Portchester Castle	Collected Personally
15.5	10.9	11.5	9.5	Portchester Castle	Collected Personally
14.9	10.3	10.7	9.4	Portchester Castle	Collected Personally
15.8	10.6	11.5	9.9	Portchester Castle	Collected Personally
15	9.9	10.5	8.9	Portchester Castle	Collected Personally
16	10.4	11.2	9.4	Portchester Castle	Collected Personally
15.3	9.4	10.3	8.7	Cheddar Palaces	Collected Personally
15.3	10.1	10.9	9.4	Cheddar Palaces	Collected Personally
15.2	9.5	9.8	8.9	Cheddar Palaces	Collected Personally
16.1	10.8	11.1	9.4	Cheddar Palaces	Collected Personally
17.6	10.1	10.8	9.6	Cheddar Palaces	Collected Personally

Appendix IVc: Pig tooth measurements

1b) M2 Measurements for Late Saxon Pigs					
CL	Wa	WP	WC	Site	Source of Information
16.3	12	12.8	11.4	Cheddar Palaces	Collected Personally
20.4	13.6	14.2	13.4	Cheddar Palaces	Collected Personally
21.5	13.3	14	12.7	Cheddar Palaces	Collected Personally
21.2	12.6	13	11.1	Cheddar Palaces	Collected Personally
21.8	13	13.6	11.9	Cheddar Palaces	Collected Personally
21.7	13.4	14.3	12.5	Cheddar Palaces	Collected Personally
21.2	11.9	11.9	10.4	Cheddar Palaces	Collected Personally
21.5	13.1	13.4	12	Cheddar Palaces	Collected Personally
19	12.7	13.7	12.3	Cheddar Palaces	Collected Personally
19.5	14	14.2	12	Cheddar Palaces	Collected Personally
17.4	12	12.4	10.7	Cheddar Palaces	Collected Personally
19.7	13.2	13.7	12.3	Cheddar Palaces	Collected Personally
17.7	11.8	12.3	11.2	Cheddar Palaces	Collected Personally
17.6	12.2	12.2	11.4	Cheddar Palaces	Collected Personally
18.4	12.2	12.1	10.5	Cheddar Palaces	Collected Personally
18.2	12.1	13.5	11.8	Cheddar Palaces	Collected Personally
17	11.4	12.4	10.7	Cheddar Palaces	Collected Personally
18.9	12.8	13.7	11.4	Portchester Castle	Collected Personally
18.9	12.1	12.7	10.9	Portchester Castle	Collected Personally
18	12.8	13.8	11.6	Portchester Castle	Collected Personally
19.5	12.6	13.1	12.2	Portchester Castle	Collected Personally
18.9	11.2	11.3	10.1	Portchester Castle	Collected Personally
15.6	10.4	11.3	10.5	Portchester Castle	Collected Personally
18.5	12	12.9	11.5	Portchester Castle	Collected Personally
17.8	12.9	13.5	11.2	Portchester Castle	Collected Personally
.	13	13.2	11.3	Portchester Castle	Collected Personally
19.1	12.9	11.4	12.5	Portchester Castle	Collected Personally
18	12.2	12.8	11.3	Portchester Castle	Collected Personally
20.7	12.9	13.5	12.1	Portchester Castle	Collected Personally
18.7	11.5	12.1	10.7	Portchester Castle	Collected Personally
18.5	13.9	14.8	11.8	Portchester Castle	Collected Personally
19.5	13.9	14.2	12.4	Portchester Castle	Collected Personally
18.6	12	13.4	11.6	Portchester Castle	Collected Personally
16.9	11.8	12.2	10.3	Portchester Castle	Collected Personally
18.2	12.3	12.3	10.7	Portchester Castle	Collected Personally
17.9	12.7	13.3	11.7	Portchester Castle	Collected Personally
.	11.5	12.2	10.6	Portchester Castle	Collected Personally
20.4	13.6	15.3	13.2	Portchester Castle	Collected Personally
17.6	11.9	12.8	11.2	Portchester Castle	Collected Personally
19.5	13.2	15.1	12.6	Portchester Castle	Collected Personally
17.4	12.6	13	11.7	Portchester Castle	Collected Personally
18.1	11.8	12.3	10.8	Portchester Castle	Collected Personally
18.3	12.6	13.5	11.3	Portchester Castle	Collected Personally
19.5	13.8	14	12.2	Portchester Castle	Collected Personally
17.5	12.3	12.6	10.6	Portchester Castle	Collected Personally
18.1	12	13.3	10.9	Portchester Castle	Collected Personally
17.1	13.2	13.6	11.7	Portchester Castle	Collected Personally
18.2	14.3	13.8	11.6	Portchester Castle	Collected Personally
18.1	12.6	13.2	11.2	Portchester Castle	Collected Personally
17.9	14	13.9	11.8	Portchester Castle	Collected Personally
17.8	13.2	14.4	11.8	Portchester Castle	Collected Personally
17.5	13.1	14.2	12.4	Portchester Castle	Collected Personally
15.6	12.8	12.7	11.2	Portchester Castle	Collected Personally
16.6	12.2	12	11.3	Portchester Castle	Collected Personally
18.3	13.1	13.7	11.6	Portchester Castle	Collected Personally
19.1	13.8	14.1	12.1	Portchester Castle	Collected Personally
17	12.4	13.4	11.4	Portchester Castle	Collected Personally
18.1	12.5	13.3	11.4	Portchester Castle	Collected Personally
18.9	13.1	13.7	11.9	Portchester Castle	Collected Personally
15.8	12.2	12.6	10.7	Portchester Castle	Collected Personally
19.7	12.4	13.7	11.5	Portchester Castle	Collected Personally
19.8	12.9	13.7	11.7	Portchester Castle	Collected Personally

Appendix IVc: Pig tooth measurements

1b (continued) M2 Measurements for Late Saxon Pigs					
CL	WA	WP	WC	Site	Source of Information
18.7	12.3	13	11	Portchester Castle	Collected Personally
.	12.5	12.7	11.7	Portchester Castle	Collected Personally
17	11.9	12	11.1	Portchester Castle	Collected Personally
17.1	11.9	12.7	11.2	Portchester Castle	Collected Personally
17.5	14	14.1	12.1	Portchester Castle	Collected Personally
20.2	13.2	14.6	12.1	Portchester Castle	Collected Personally
18	13.2	13.2	11.2	Portchester Castle	Collected Personally
18.4	12.5	12.8	11.2	Portchester Castle	Collected Personally
16.4	12.2	12.2	11.1	Portchester Castle	Collected Personally
19.3	14.7	14.5	12.4	Portchester Castle	Collected Personally
18	12.4	12.9	11.3	Portchester Castle	Collected Personally
18.6	13.4	13.9	11.2	Portchester Castle	Collected Personally
20.1	14	13.8	12.1	Portchester Castle	Collected Personally
16.7	12.5	12.9	10.9	Portchester Castle	Collected Personally
17.6	11.9	12.2	11	Portchester Castle	Collected Personally
17.9	12.6	13	11.4	Portchester Castle	Collected Personally
17.5	12.3	13	11.1	Portchester Castle	Collected Personally
17.1	12.1	13.1	11.6	Portchester Castle	Collected Personally
18.8	12.6	13.3	11.3	Portchester Castle	Collected Personally
20	12.9	13.6	11.1	Portchester Castle	Collected Personally
19.1	13	13.6	11.7	Portchester Castle	Collected Personally
16.7	11.7	11.7	11	Portchester Castle	Collected Personally
18.2	13.5	13.6	11.4	Portchester Castle	Collected Personally
18.2	12.9	12.5	11	Portchester Castle	Collected Personally
19.8	14.3	14.2	12.3	Portchester Castle	Collected Personally
17.5	11.7	12.5	11	Portchester Castle	Collected Personally
18	13.3	14.6	12.4	Portchester Castle	Collected Personally
17.9	12.9	13.8	11.2	Portchester Castle	Collected Personally
17.3	11.2	12	10.6	Portchester Castle	Collected Personally
19	12.7	13.2	11.3	Portchester Castle	Collected Personally
19.6	14.2	13.8	11.4	Portchester Castle	Collected Personally
16.1	11.9	11.9	10.9	Portchester Castle	Collected Personally
16.8	11.8	12.2	10.5	Portchester Castle	Collected Personally
18.6	13	13.3	11.2	Portchester Castle	Collected Personally
18.5	13.2	13	11.9	Portchester Castle	Collected Personally
18.9	11.7	12.2	10.5	Portchester Castle	Collected Personally

2a) M1 Measurements for Norman Pigs					
CL	WA	WP	WC	Site	Source of Information
15.4	9.7	10.6	8.6	Facombe Netherton	Collected Personally
16.5	10.7	9.1	.	Facombe Netherton	Collected Personally
15	9.7	.	9.3	Facombe Netherton	Collected Personally
15.2	9.8	10.9	8.6	Facombe Netherton	Collected Personally
15.7	9.7	10.5	8.5	Facombe Netherton	Collected Personally
14.3	10.5	10.8	9.3	Facombe Netherton	Collected Personally
15	9.8	11.1	8.8	Facombe Netherton	Collected Personally
14.6	9	10.1	8.3	Facombe Netherton	Collected Personally
14.9	10.2	11.2	9.1	Cheddar Palaces	Collected Personally
15.2	10.8	11.8	9.5	Cheddar Palaces	Collected Personally
14.7	10.3	11.3	9.1	Cheddar Palaces	Collected Personally
15	9.8	10.6	8.5	Cheddar Palaces	Collected Personally
13	9.9	9.9	8.1	Cheddar Palaces	Collected Personally
15	10.3	11.4	9.1	Cheddar Palaces	Collected Personally
13.5	10.2	10.4	9	Cheddar Palaces	Collected Personally
13.5	9.6	9.6	8.7	Cheddar Palaces	Collected Personally
14.5	10.6	10.8	9.6	Cheddar Palaces	Collected Personally
16.3	10	11.2	9.1	Cheddar Palaces	Collected Personally
14.4	9.8	9.9	8.5	Cheddar Palaces	Collected Personally
15.1	10	10.7	9.4	Cheddar Palaces	Collected Personally

Appendix IVc: Pig tooth measurements

2b) M2 Measurements for Norman Pigs					
CL	WA	WP	WC	Site	Source of Information
17.8	12.5	12.6	11.5	Facombe Netherton	Collected Personally
18.3	12.4	12.7	11.6	Facombe Netherton	Collected Personally
17.4	12.8	12.4	10.7	Facombe Netherton	Collected Personally
19.2	12.3	12.7	11.7	Facombe Netherton	Collected Personally
19	12.8	13.5	11.1	Facombe Netherton	Collected Personally
19	13.2	14.1	12.4	Facombe Netherton	Collected Personally
18	12.3	12.5	11.5	Facombe Netherton	Collected Personally
19.2	13.9	13.7	12.6	Facombe Netherton	Collected Personally
18.7	12.7	12.2	10.9	Facombe Netherton	Collected Personally
19.6	14.2	13.5	11.8	Facombe Netherton	Collected Personally
19.7	13.3	13.5	12	Facombe Netherton	Collected Personally
.	11.9	11.9	11.7	Facombe Netherton	Collected Personally
.	12.2	12.9	11.4	Facombe Netherton	Collected Personally
18.5	12	14.1	11.4	Facombe Netherton	Collected Personally
18	12.3	14.1	11.5	Facombe Netherton	Collected Personally
19	11.7	12.6	11.2	Facombe Netherton	Collected Personally
19.2	13.4	13.4	12.3	Portchester Castle	Collected Personally
16.9	13.5	13.5	11.3	Portchester Castle	Collected Personally
20.1	13.9	13.9	12.2	Portchester Castle	Collected Personally
18.6	13	13.5	11.5	Portchester Castle	Collected Personally
17.6	11.6	11.8	9.8	Portchester Castle	Collected Personally
20.2	14.5	15	12	Portchester Castle	Collected Personally
17.5	12.7	13.3	11.2	Portchester Castle	Collected Personally
17.8	12.1	12.3	11.4	Portchester Castle	Collected Personally
17.3	13.2	13	11.8	Portchester Castle	Collected Personally
18	14.3	13.4	11.6	Portchester Castle	Collected Personally
19.8	13.7	13.6	11.8	Portchester Castle	Collected Personally
18.3	12.8	13.5	11.7	Portchester Castle	Collected Personally
18.8	13.5	13.9	12.3	Portchester Castle	Collected Personally
.	11.8	12	10.7	Portchester Castle	Collected Personally
19.3	.	13.8	12	Portchester Castle	Collected Personally
18.7	12.6	13.9	12.1	Portchester Castle	Collected Personally
18	12.4	12.2	11.1	Portchester Castle	Collected Personally
16.5	12.1	12.4	11.4	Portchester Castle	Collected Personally
17.6	11.6	12.4	10.3	Portchester Castle	Collected Personally

3a) M1 Measurements for Angevin Pigs					
CL	WA	WP	WC	Site	Source of Information
15.4	10.2	10.3	8.9	Guildford Castle	Collected Personally
15.3	9.9	10.6	8.9	Guildford Castle	Collected Personally
14.6	9.8	10.7	9.1	Guildford Castle	Collected Personally
16.1	11	11.4	9.4	Guildford Castle	Collected Personally
14.6	.	9.6	8.3	Guildford Castle	Collected Personally
14.8	9.5	10.3	8.7	Guildford Castle	Collected Personally
15.2	9.8	11	9.1	Guildford Castle	Collected Personally
13.5	8.9	10	8	Guildford Castle	Collected Personally
15.2	10.2	11.3	9.8	Guildford Castle	Collected Personally
15.4	10.3	11.3	9.1	Guildford Castle	Collected Personally
14.9	8.9	9.9	8.2	Guildford Castle	Collected Personally
14.7	8.9	9.8	7.8	Guildford Castle	Collected Personally
14.9	.	.	.	Guildford Castle	Collected Personally
13.7	8.9	9.5	7.7	Guildford Castle	Collected Personally
15	9.8	10.9	8.4	Guildford Castle	Collected Personally
14	9.1	9.4	7.7	Guildford Castle	Collected Personally
14.9	9.4	.	8.6	Guildford Castle	Collected Personally
13.3	9.1	9.4	8.1	Guildford Castle	Collected Personally
15.4	10.5	11.7	9.6	Guildford Castle	Collected Personally
14.5	9.4	9.7	8.4	Guildford Castle	Collected Personally
14	9.1	10.3	8.1	Guildford Castle	Collected Personally
15.3	10.5	11.3	9.7	Guildford Castle	Collected Personally
14.4	9.7	10.5	8.8	Guildford Castle	Collected Personally



Appendix IVc: Pig tooth measurements

3a (continued) M1 Measurements for Angevin Pigs					
CL	WA	WP	WC	Site	Source of Information
14.5	9.1	10	8.4	Guildford Castle	Collected Personally
14.2	9.9	10.4	9.1	Guildford Castle	Collected Personally
14.7	9.4	9.7	8.6	Guildford Castle	Collected Personally
15.4	10.3	10.7	9.3	Guildford Castle	Collected Personally
16.1	10.3	10.7	9.1	Guildford Castle	Collected Personally
15.5	10	11	8.6	Guildford Castle	Collected Personally
15.5	10.1	10.3	8.8	Guildford Castle	Collected Personally
15	10.6	10.4	8.7	Guildford Castle	Collected Personally
15.7	10.4	11	9.5	Guildford Castle	Collected Personally
15	9.9	10.3	8.8	Guildford Castle	Collected Personally
14.7	9.5	10.6	8.7	Guildford Castle	Collected Personally
16	10	11.2	8.7	Guildford Castle	Collected Personally
14.1	9.6	10	8.6	Guildford Castle	Collected Personally
14.9	10.1	10.3	8.6	Guildford Castle	Collected Personally
15.6	9.5	10.3	8.5	Guildford Castle	Collected Personally
15.8	10.2	11.2	9.4	Guildford Castle	Collected Personally
15.3	10.5	10.7	9	Guildford Castle	Collected Personally
14.7	9.5	10.3	9	Guildford Castle	Collected Personally
.	10.2	11.2	8.9	Guildford Castle	Collected Personally
14.5	9.5	10.5	8.7	Guildford Castle	Collected Personally
14.4	10.2	10.5	.	Guildford Castle	Collected Personally
15	10	10.4	8.7	Guildford Castle	Collected Personally
.	10.1	11.2	.	Guildford Castle	Collected Personally
14.4	9.1	10.2	8.6	Guildford Castle	Collected Personally
15	9.7	9.9	8.6	Guildford Castle	Collected Personally
15.6	.	.	.	Guildford Castle	Collected Personally
15	.	10.4	8.5	Guildford Castle	Collected Personally
15	8.6	9.8	8.4	Facombe Netherton	Collected Personally
14.5	.	.	.	Facombe Netherton	Collected Personally
14.7	.	.	.	Facombe Netherton	Collected Personally
.	10.4	10.9	9.7	Facombe Netherton	Collected Personally
14.9	9.3	10.3	8.6	Facombe Netherton	Collected Personally
.	9.4	.	9.1	Facombe Netherton	Collected Personally
12.6	8.6	9.4	8.1	Facombe Netherton	Collected Personally
15	9.4	10.1	9	Facombe Netherton	Collected Personally
14	9.7	10.2	8.7	Facombe Netherton	Collected Personally
16	10.1	11.2	9.2	Facombe Netherton	Collected Personally
14.8	9.1	10.2	8.8	Facombe Netherton	Collected Personally
15	10.5	11	9.3	Facombe Netherton	Collected Personally
15.8	10.4	11.7	9.5	Facombe Netherton	Collected Personally
16	9.8	11	9.2	Facombe Netherton	Collected Personally
15.8	9.7	11	9.2	Facombe Netherton	Collected Personally
15	10.2	10.7	8.6	Facombe Netherton	Collected Personally
16.3	10.8	11.5	9.5	Facombe Netherton	Collected Personally
13.8	10.4	10.8	9.5	Facombe Netherton	Collected Personally
13.5	9.7	10.4	8.9	Facombe Netherton	Collected Personally
15	9.6	10.9	8.8	Facombe Netherton	Collected Personally
13.1	9.7	10	8.7	Facombe Netherton	Collected Personally
15.5	10.9	11.1	10	Facombe Netherton	Collected Personally
14.6	10	10.5	8.9	Facombe Netherton	Collected Personally
15.5	10.4	11.3	9.4	Facombe Netherton	Collected Personally
15.5	10.4	10.6	8.9	Facombe Netherton	Collected Personally
14.2	.	10.2	8.8	Facombe Netherton	Collected Personally
14.5	9.9	10.2	9	Facombe Netherton	Collected Personally
15	10.2	10.9	9.5	Facombe Netherton	Collected Personally
13.9	9.2	10	8.2	Facombe Netherton	Collected Personally
15.1	10.5	11	9	Facombe Netherton	Collected Personally
13.7	9.2	9.8	8.5	Facombe Netherton	Collected Personally
14	9.5	10	8.2	Facombe Netherton	Collected Personally
15	10	10.6	8.8	Facombe Netherton	Collected Personally
15.5	9.3	10.8	8.9	Facombe Netherton	Collected Personally
15	9.7	10.6	9.3	Facombe Netherton	Collected Personally

Appendix IVc: Pig tooth measurements

3a (continued) M1 Measurements for Angevin Pigs					
CL	WA	WP	WC	Site	Source of Information
.	8.7	9	7.6	Facombe Netherton	Collected Personally
15.5	10.6	11.3	9.5	Facombe Netherton	Collected Personally
14.3	9.6	10.1	8.4	Facombe Netherton	Collected Personally
14.7	10.7	11.2	9.4	Portchester Castle	Collected Personally
15.6	10.7	11.2	9.2	Portchester Castle	Collected Personally
14.2	9.8	10.7	8.5	Portchester Castle	Collected Personally
14.4	9	10	9.1	Portchester Castle	Collected Personally
15.1	10.9	11.9	9.3	Portchester Castle	Collected Personally
12.7	9.6	10.3	8.8	Portchester Castle	Collected Personally
14.3	10.2	11.2	9.6	Portchester Castle	Collected Personally
16	10.8	11.8	9.8	Portchester Castle	Collected Personally
15.2	10.4	11.1	9.3	Portchester Castle	Collected Personally
14.4	9.9	10.5	8.9	Portchester Castle	Collected Personally
14.7	11	10.6	9.8	Portchester Castle	Collected Personally
14.1	9.5	10.7	8.6	Portchester Castle	Collected Personally
16.5	10.5	12.1	9.6	Portchester Castle	Collected Personally
15.3	9.9	10.6	8.5	Portchester Castle	Collected Personally
.	10.6	11.5	9.8	Portchester Castle	Collected Personally
14.1	9.5	10	8.6	Portchester Castle	Collected Personally

3b) M2 Measurements for Angevin Pigs					
CL	WA	WP	WC	Site	Source of Information
17.9	12.8	12.9	11.2	Guildford Castle	Collected Personally
17.9	12.5	12.7	11.4	Guildford Castle	Collected Personally
19	12.9	13.1	11.1	Guildford Castle	Collected Personally
18.1	12.5	13.2	11.5	Guildford Castle	Collected Personally
18.2	12.3	13	11.1	Guildford Castle	Collected Personally
18.4	12	12.5	10.7	Guildford Castle	Collected Personally
17	11.2	11.6	10	Guildford Castle	Collected Personally
18.2	12.8	13.4	11.1	Guildford Castle	Collected Personally
19.2	12.9	13.4	11	Guildford Castle	Collected Personally
17	11.5	12.3	10	Guildford Castle	Collected Personally
17.8	12.1	12.7	10.9	Guildford Castle	Collected Personally
.	12.7	13.2	11.5	Guildford Castle	Collected Personally
18.2	13.4	13.5	11.7	Guildford Castle	Collected Personally
17.6	12.1	12.4	10.5	Guildford Castle	Collected Personally
16.6	11.2	11.1	10.3	Guildford Castle	Collected Personally
17.1	11.8	12.2	11.1	Guildford Castle	Collected Personally
19	13.7	14.5	12.7	Guildford Castle	Collected Personally
17.4	12.3	13.2	10.8	Guildford Castle	Collected Personally
18.4	12.4	11.7	10.4	Guildford Castle	Collected Personally
18.6	12.5	13.3	10.9	Guildford Castle	Collected Personally
.	12.7	12.8	11	Guildford Castle	Collected Personally
19.2	12.2	13.5	11.7	Guildford Castle	Collected Personally
19.3	12.7	12.9	11.2	Guildford Castle	Collected Personally
19.8	13.3	13.6	11.1	Guildford Castle	Collected Personally
19.3	13.6	13.7	12	Guildford Castle	Collected Personally
18.2	12.5	11.8	10.8	Guildford Castle	Collected Personally
18.5	12.1	12.9	10.6	Guildford Castle	Collected Personally
17	11.4	12.1	9.8	Guildford Castle	Collected Personally
20.5	13.6	13.8	11.4	Guildford Castle	Collected Personally
18.2	13	12.9	11.6	Guildford Castle	Collected Personally
.	12	12.5	11.2	Guildford Castle	Collected Personally
17.1	11.1	11.7	10.3	Guildford Castle	Collected Personally
.	12.8	13.5	11	Guildford Castle	Collected Personally
18.2	12.7	12.9	11.1	Guildford Castle	Collected Personally
19	12.5	12.9	11.8	Guildford Castle	Collected Personally
19.2	12.9	13.3	12.1	Guildford Castle	Collected Personally
16.8	11.1	11.8	12.3	Guildford Castle	Collected Personally
19.5	13.6	13.9	12.5	Guildford Castle	Collected Personally
19.7	13.6	13.7	10.8	Guildford Castle	Collected Personally

Appendix IVc: Pig tooth measurements

3b (continued) M2 Measurements for Angevin Pigs					
CL	WA	WP	WC	Site	Source of Information
18.2	12.4	12.4	.	Guildford Castle	Collected Personally
19.8	12.3	12.5	11	Facombe Netherton	Collected Personally
18.5	12.6	13.2	12.1	Facombe Netherton	Collected Personally
18	12.3	12.4	10.9	Facombe Netherton	Collected Personally
18	11.8	12.4	11	Facombe Netherton	Collected Personally
17.5	12.7	12.6	11.2	Facombe Netherton	Collected Personally
17.5	12.1	12.1	10.9	Facombe Netherton	Collected Personally
16.9	12	12.6	11	Facombe Netherton	Collected Personally
18	11.4	11.1	.	Facombe Netherton	Collected Personally
17	12.3	12.2	10.9	Facombe Netherton	Collected Personally
17.3	12.3	12.1	11.2	Facombe Netherton	Collected Personally
17.4	11.7	12.5	11.3	Facombe Netherton	Collected Personally
19.5	12.8	13.8	11.7	Facombe Netherton	Collected Personally
18	12.9	13	11.6	Facombe Netherton	Collected Personally
17.8	12.9	13	11.6	Facombe Netherton	Collected Personally
17.2	11.4	12.9	10.9	Facombe Netherton	Collected Personally
19.2	12.9	13.3	11.4	Facombe Netherton	Collected Personally
17.5	12.5	12.8	11.6	Facombe Netherton	Collected Personally
.	.	13.6	.	Facombe Netherton	Collected Personally
17.4	12.3	12.6	11.4	Facombe Netherton	Collected Personally
.	14.2	14.5	12.4	Facombe Netherton	Collected Personally
20	13.7	14.2	12.2	Facombe Netherton	Collected Personally
19.1	14.1	13.5	12.2	Facombe Netherton	Collected Personally
18	12.5	13.1	11.4	Facombe Netherton	Collected Personally
18.3	13	13.5	11.4	Facombe Netherton	Collected Personally
17.5	11.4	12.4	10.9	Facombe Netherton	Collected Personally
18	12.1	12.2	10.7	Facombe Netherton	Collected Personally
19.8	13	13.4	11	Facombe Netherton	Collected Personally
19.1	13.2	13.9	12.2	Facombe Netherton	Collected Personally
17.7	11.6	12.1	11	Facombe Netherton	Collected Personally
16.9	12	12.2	10.2	Facombe Netherton	Collected Personally
19.5	12.7	12.4	11.1	Facombe Netherton	Collected Personally
19.1	12	13.3	11.8	Facombe Netherton	Collected Personally
18.8	12.7	12.8	11.3	Facombe Netherton	Collected Personally
18.7	11.7	12.5	11.2	Facombe Netherton	Collected Personally
.	11	11.2	10.7	Facombe Netherton	Collected Personally
20	14.9	14	12.2	Facombe Netherton	Collected Personally
17.3	11.4	11.7	11	Facombe Netherton	Collected Personally
18	12.3	12.7	11.2	Facombe Netherton	Collected Personally

4a: M1 Measurements for Vatteville's Pigs					
CL	WA	WP	WC	Site	Source of Information
16.1	10.5	11.1	9.6	Vatteville	Collected Personally
14.9	8.9	10.6	8.7	Vatteville	Collected Personally
14.5	9.2	10.6	9	Vatteville	Collected Personally
14.3	9.8	10.7	9.1	Vatteville	Collected Personally
14.3	10.6	11.1	8.9	Vatteville	Collected Personally
15.1	10.9	11.3	9.6	Vatteville	Collected Personally
15.8	9.5	11.2	10.4	Vatteville	Collected Personally
15.1	10	10.8	8.9	Vatteville	Collected Personally
13.5	8.5	10.4	8.2	Vatteville	Collected Personally
16.9	12.8	13.3	10.1	Vatteville* Wild Boar?	Collected Personally
16.2	9.6	11	9.3	Vatteville	Collected Personally
16.5	11.2	11.6	9.7	Vatteville	Collected Personally
13.8	10.5	10.6	9.3	Vatteville	Collected Personally
14.4	10.3	10.9	9.3	Vatteville	Collected Personally
15.5	12.1	12.6	9.7	Vatteville* Wild Boar?	Collected Personally
13.4	9.5	9.9	8.4	Vatteville	Collected Personally
15.7	9.8	11.2	8.8	Vatteville	Collected Personally
14.9	10.4	11	8.9	Vatteville	Collected Personally
13.8	10.1	10.5	8.5	Vatteville	Collected Personally
13.1	8.8	10.3	8.5	Vatteville	Collected Personally

Appendix IVc: Pig tooth measurements

4a (continued) M1 Measurements for Vatteville's Pigs					
CL	WA	WP	WC	Site	Source of Information
13.8	10	10.2	9.3	Vatteville	Collected Personally
14.5	10	11	9.2	Vatteville	Collected Personally
14.1	10	10.9	8.7	Vatteville	Collected Personally
13.9	9.8	10.7	9	Vatteville	Collected Personally
15.4	10.6	11	8.8	Vatteville	Collected Personally
15.3	10.6	11.5	9.3	Vatteville	Collected Personally
13.5	9.3	10.3	8.5	Vatteville	Collected Personally
15.5	10.4	11.2	9.2	Vatteville	Collected Personally
14.2	10.1	10.3	9.4	Vatteville	Collected Personally
15.4	10.7	11.7	9.8	Vatteville	Collected Personally
13.8	8.9	10.2	8.6	Vatteville	Collected Personally
14.1	10.3	11	10	Vatteville	Collected Personally
14.9	10.3	10.8	9.3	Vatteville	Collected Personally
14.8	10.1	9.9	8.8	Vatteville	Collected Personally
13.1	9.7	10.2	8.6	Vatteville	Collected Personally
13.7	8.9	10	7.8	Vatteville	Collected Personally
13.7	10.2	9.9	9.2	Vatteville	Collected Personally
13.1	9.8	10.2	7.4	Vatteville	Collected Personally
13.7	10	10.6	9.3	Vatteville	Collected Personally
15.3	10.8	10.9	9.9	Vatteville	Collected Personally
14.5	10.2	11.1	9.9	Vatteville	Collected Personally
14.6	10	10.8	9.6	Vatteville	Collected Personally
13.4	9.6	9.8	8.7	Vatteville	Collected Personally
14.8	10	11.3	8.7	Vatteville	Collected Personally
12.7	9.9	9.8	8.1	Vatteville	Collected Personally
14.9	8.9	10	8.1	Vatteville	Collected Personally
13.5	9.8	10.4	8.6	Vatteville	Collected Personally
13	9.8	10.1	9.1	Vatteville	Collected Personally
13.9	9.3	10.6	8.6	Vatteville	Collected Personally
13.9	9.9	11	9.1	Vatteville	Collected Personally
15.6	10.7	11.9	11.1	Vatteville	Collected Personally
14.8	9.8	10.4	8.6	Vatteville	Collected Personally
14.1	9.9	10.8	9.6	Vatteville	Collected Personally
14.8	10.5	11.6	9.3	Vatteville	Collected Personally
14.9	9.1	10.2	8.3	Vatteville	Collected Personally
14.5	9.7	10.6	8.5	Vatteville	Collected Personally
15.5	10.7	11.9	9.6	Vatteville	Collected Personally
14.2	8.8	9.4	8.1	Vatteville	Collected Personally
14.8	10	10.6	9	Vatteville	Collected Personally
14.6	10.7	10.7	9	Vatteville	Collected Personally
13.7	9.9	10	8.3	Vatteville	Collected Personally
13.9	10.1	10.8	9.7	Vatteville	Collected Personally
13.7	9.4	10.7	9	Vatteville	Collected Personally
14.9	9.6	10	8.4	Vatteville	Collected Personally
13.7	9.8	10.3	8.7	Vatteville	Collected Personally
13.4	9.8	9.9	8.7	Vatteville	Collected Personally
14.2	10.1	10.8	8.9	Vatteville	Collected Personally
13	11.1	11.7	8.2	Vatteville	Collected Personally
14.2	9.2	10.3	8.6	Vatteville	Collected Personally
14.2	19.1	10.1	7.8	Vatteville	Collected Personally
13.8	10.7	10.7	8.9	Vatteville	Collected Personally
14	9.5	10.3	9.6	Vatteville	Collected Personally
16	10.4	10.5	9.7	Vatteville	Collected Personally
14.7	8.7	9.5	8.6	Vatteville	Collected Personally
13.4	9.2	9.3	8.4	Vatteville	Collected Personally
14.3	9.6	10.4	8.9	Vatteville	Collected Personally
14.8	11.5	11.6	9.4	Vatteville	Collected Personally
14.1	9.4	9.8	8.3	Vatteville	Collected Personally
14.3	9.8	10.5	9	Vatteville	Collected Personally
13.8	10.5	10.8	9.4	Vatteville	Collected Personally
13.8	9.5	14.2	8.7	Vatteville	Collected Personally
14.6	10.6	11	9.3	Vatteville	Collected Personally

Appendix IVc: Pig tooth measurements

4a (continued) M1 Measurements for Vatteville's Pigs					
CL	WA	WP	WC	Site	Source of Information
14.4	10.1	11.3	9.7	Vatteville	Collected Personally
13.3	9.5	11.3	8.9	Vatteville	Collected Personally
13.9	10.6	11.6	9.9	Vatteville	Collected Personally

4b: M2 Measurements for Vatteville's Pigs					
CL	WA	WP	WC	Site	Source of Information
19.5	13.3	13.8	11.6	Vatteville	Collected Personally
18.4	12.7	13.6	11.1	Vatteville	Collected Personally
20.2	14	14.8	12	Vatteville	Collected Personally
19.4	14.8	15.9	13.4	Vatteville	Collected Personally
15.8	11.9	12.7	10.9	Vatteville	Collected Personally
18.9	13.3	14	11.9	Vatteville	Collected Personally
17.6	12.3	13.5	11.5	Vatteville	Collected Personally
16.9	11.5	13.1	11	Vatteville	Collected Personally
21.5	15.6	15.6	13.4	Vatteville	Collected Personally
18.8	12	13.8	11.7	Vatteville	Collected Personally
19.5	14.7	15.2	13.5	Vatteville	Collected Personally
17	12	12.4	11	Vatteville	Collected Personally
20.2	13.5	14.3	12.7	Vatteville	Collected Personally
18.7	14.5	15.4	13	Vatteville	Collected Personally
17.3	13.2	13	11	Vatteville	Collected Personally
17.2	12.4	12.9	11.3	Vatteville	Collected Personally
19.3	14.4	15	13.2	Vatteville	Collected Personally
16.3	12.3	13.1	11.1	Vatteville	Collected Personally
17.2	12.2	12.5	11.3	Vatteville	Collected Personally
16.7	11.7	13.8	11.2	Vatteville	Collected Personally
19	13	13.2	12	Vatteville	Collected Personally
19.8	12.5	13.5	11.2	Vatteville	Collected Personally
15.9	12.6	13.2	10.9	Vatteville	Collected Personally
18	13.1	13.7	12.8	Vatteville	Collected Personally
18	13.1	13.8	11.1	Vatteville	Collected Personally
18	13	13.6	11.5	Vatteville	Collected Personally
17.7	12.5	13.9	12.3	Vatteville	Collected Personally
18.1	12.4	13.7	11.1	Vatteville	Collected Personally
17.7	14	13.6	11.9	Vatteville	Collected Personally
18.4	11.8	12.4	11.5	Vatteville	Collected Personally
17.2	12.7	12.5	9.8	Vatteville	Collected Personally
20.4	13.7	13.8	12.3	Vatteville	Collected Personally
16	12.7	12.2	11.3	Vatteville	Collected Personally
16.3	12.7	13.2	11.3	Vatteville	Collected Personally
19.2	13.6	13.4	12.2	Vatteville	Collected Personally
16	12.4	13.1	11.5	Vatteville	Collected Personally
17.6	12.4	12.5	11.1	Vatteville	Collected Personally
15.8	11.5	13.3	11.3	Vatteville	Collected Personally
16.3	11.2	11.4	10.8	Vatteville	Collected Personally
18.1	13	12.5	11.3	Vatteville	Collected Personally
17.2	11.6	12	10.8	Vatteville	Collected Personally
18.3	12.9	13.5	11.4	Vatteville	Collected Personally
17.8	12.5	13.4	11	Vatteville	Collected Personally
17.7	13.2	12.9	10.9	Vatteville	Collected Personally
16	12.5	13.1	11.1	Vatteville	Collected Personally
16.9	12.1	12.9	11	Vatteville	Collected Personally
19.9	13.5	13.7	12.5	Vatteville	Collected Personally
18.6	12.8	13.6	11.9	Vatteville	Collected Personally
17.6	12.6	12.7	11.5	Vatteville	Collected Personally
16.7	11.8	11.9	10.8	Vatteville	Collected Personally
16.3	12.5	12.4	11	Vatteville	Collected Personally
16.7	11.9	11.7	9.5	Vatteville	Collected Personally
17.4	12.4	12.6	10.6	Vatteville	Collected Personally
15.5	12.3	11.9	11.2	Vatteville	Collected Personally
19.4	13.2	14.5	13.2	Vatteville	Collected Personally
16.9	13.3	12.5	12.5	Vatteville	Collected Personally

Appendix IVc: Pig tooth measurements

4b: M2 Measurements for Vatteville's Pigs					
CL	WA	WP	WC	Site	Source of Information
19.4	14.3	13.7	12	Vatteville	Collected Personally
18.1	12.5	12.8	12.1	Vatteville	Collected Personally
16.7	13	13.3	11.8	Vatteville	Collected Personally
15.6	12.9	13.2	11	Vatteville	Collected Personally
19.2	14.5	15.4	13.4	Vatteville	Collected Personally
16.1	11.1	11.3	10.7	Vatteville	Collected Personally
16.8	12.3	12.7	11.4	Vatteville	Collected Personally
17.8	12.5	12.4	11	Vatteville	Collected Personally
15.1	11.5	11.8	10.2	Vatteville	Collected Personally
15.9	12.6	12.9	11.6	Vatteville	Collected Personally
16.8	11.7	13.2	11.1	Vatteville	Collected Personally
19	12.6	13	11.3	Vatteville	Collected Personally
17.6	13.2	14.1	12.8	Vatteville	Collected Personally
17.1	12.9	12.7	11.2	Vatteville	Collected Personally
18.2	12.6	13.1	11.2	Vatteville	Collected Personally
18.5	11.5	12.8	11	Vatteville	Collected Personally
15.2	10.4	10.8	10.1	Vatteville	Collected Personally
16.7	12.8	12.3	10.7	Vatteville	Collected Personally
17.5	11.8	11.9	10.4	Vatteville	Collected Personally
16.3	12	12.4	11.2	Vatteville	Collected Personally
17.1	12.8	12.4	11.3	Vatteville	Collected Personally
17.3	13.8	12.6	11.5	Vatteville	Collected Personally
17.7	13	13.1	11.6	Vatteville	Collected Personally
16.9	12.5	13.4	12.4	Vatteville	Collected Personally

Appendix IVd1: Measurements for Deer Scapulae

GLP	LG	BG	SLC	Deer	Site	Source of Information
26.7	20.5	21.1	17.6	Roe	Cheddar	Collected personally
26.9	19.4	21.6	17.4	Roe	Cheddar	Collected personally
28.4	22.7	20	17.6	Roe	Cheddar	Collected personally
27.6	21.4	20.4	18.5	Roe	Cheddar	Collected personally
30.7	.	21.8	19.9	Roe	Cheddar	Collected personally
27.9	23.2			Roe	Portchester	Collected personally
27.6	21.2			Roe	Portchester	Collected personally
26.3	20.2		16.9	Roe	Portchester	Collected personally
26.6	21.5		16.4	Roe	Portchester	Collected personally
27.9	20.3		16.7	Roe	Portchester	Collected personally
24.8	20.3		14.8	Roe	Portchester	Collected personally
27.4	21.7		19.1	Roe	Cheddar	Collected personally
27	21.8		17.4	Roe	Cheddar	Collected personally
27.1	20.8		16.4	Roe	Cheddar	Collected personally
27	20		17	Roe	Cheddar	Collected personally
42.6	33.5			Fallow	Guildford	Collected personally
			27.1	Fallow	Monkton	Bendrey, personal communication
43.6	35.3	30.5	25.1	Fallow	Monkton	Bendrey, personal communication
55.3	42.5	37.7	35.6	Red	Launceston	Albarella and Davis, 1996
52.9	40.9	36.2	34.1	Red	Launceston	Albarella and Davis, 1996
56.9	43	40.5	37.1	Red	Launceston	Albarella and Davis, 1996
54.5	41.2		35	Red	Portchester	Collected personally
58.5	46.3		37.2	Red	Portchester	Collected personally
57.6	43.9		33.5	Red	Portchester	Collected personally
57.2	44.7		36.9	Red	Launceston	Albarella and Davis 1996

Appendix IVd2: Measurements for Deer Humeri

SD	BD	BT	DD	Deer	Site	Source of Information
.	29	24.9	.	Roe	Portchester	Collected personally
.	29	25.1	26.8	Roe	Portchester	Collected personally
.	27.3	.	25.6	Roe	Portchester	Collected personally
.	27.5	.	25.7	Roe	Portchester	Collected personally
.	26.7	.	23.8	Roe	Portchester	Collected personally
.	25.3	.	23.5	Roe	Portchester	Collected personally
.	25.2	.	23.4	Roe	Portchester	Collected personally
.	25.4	.	24.8	Roe	Portchester	Collected personally
12.1	27.4	25.7	24.6	Roe	Cheddar	Collected personally
12.9	26.8	.	25.7	Roe	Cheddar	Collected personally
13.2	25.2	.	24	Roe	Cheddar	Collected personally
.	27.4	.	26	Roe	Cheddar	Collected personally
.	.	24.5	.	Roe	Launceston	Alberella and Davis, 1996
.	.	23.7	.	Roe	Launceston	Alberella and Davis, 1996
.	.	23.7	.	Roe	Launceston	Alberella and Davis, 1996
.	.	24.7	.	Roe	Launceston	Alberella and Davis, 1996
.	.	22.9	.	Roe	Launceston	Alberella and Davis, 1996
.	.	24.5	.	Roe	Launceston	Alberella and Davis, 1996
.	.	25.4	.	Roe	Launceston	Alberella and Davis, 1996
.	.	23.4	.	Roe	Launceston	Alberella and Davis, 1996
.	.	25.4	.	Roe	Launceston	Alberella and Davis, 1996
.	.	23.7	.	Roe	Launceston	Alberella and Davis, 1996
.	.	24.7	.	Roe	Launceston	Alberella and Davis, 1996
.	27.1	24.1	26.1	Roe	Vatteville	Collected personally
.	27.4	25.1	25.8	Roe	Vatteville	Collected personally
.	28.2	24.2	25.2	Roe	Vatteville	Collected personally
.	28.7	22.7	24.8	Roe	Vatteville	Collected personally
.	28.4	24.3	26.6	Roe	Vatteville	Collected personally
.	28.3	26.2	26.4	Roe	Vatteville	Collected personally
.	27.8	24.1	.	Roe	Facombe Netherton	Sadler, 1990
.	27	24	.	Roe	Facombe Netherton	Sadler, 1990
.	25.8	22.3	.	Roe	Facombe Netherton	Sadler, 1990
.	.	33.3	.	Fallow	Launceston	Alberella and Davis, 1996
.	.	38.2	.	Fallow	Launceston	Alberella and Davis, 1996
.	.	38.2	.	Fallow	Launceston	Alberella and Davis, 1996
.	.	36	.	Fallow	Launceston	Alberella and Davis, 1996
.	.	36.9	.	Fallow	Launceston	Alberella and Davis, 1996
.	.	37.3	.	Fallow	Launceston	Alberella and Davis, 1996
.	.	36.3	.	Fallow	Brandon	
.	37.1	31.8	.	Fallow	Facombe Netherton	Sadler, 1990
.	41	35.5	.	Fallow	Facombe Netherton	Sadler, 1990
.	60	55.5	57.2	Red	Portchester	Collected personally
.	53.9	50	50.2	Red	Portchester	Collected personally
.	54.4	53.4	51.9	Red	Portchester	Collected personally
.	56.4	51.7	56.6	Red	Portchester	Collected personally
.	61.8	.	54.4	Red	Portchester	Collected personally
.	49.5	.	48	Red	Guildford	Collected personally
.	.	54.5	.	Red	Launceston	Alberella and Davis, 1996
.	51.3	47.2	47.2	Red	Vatteville	Collected personally
.	48.2	45.8	48.1	Red	Vatteville	Collected personally
.	59	55.5	52.9	Red	Vatteville	Collected personally
.	54.3	50.1	53.2	Red	Vatteville	Collected personally
.	52.6	48.4	52.8	Red	Vatteville	Collected personally
.	48.5	46.2	46.8	Red	Vatteville	Collected personally
.	58	50	.	Red	Facombe Netherton	Sadler, 1990
.	55.7	46.7	.	Red	Facombe Netherton	Sadler, 1990
.	52.3	48.4	.	Red	Facombe Netherton	Sadler, 1990
.	57.6	49.8	.	Red	Facombe Netherton	Sadler, 1990
.	49.9	46.9	.	Red	Facombe Netherton	Sadler, 1990
.	59.8	53.9	.	Red	Facombe Netherton	Sadler, 1990



Appendix Ivd3: Measurements for Deer Radii

SD	BP	DP	BD	DD	Deer	Site	Source of Information
.	.	.	25.5	17.5	Roe	Vatteville	Collected personally
.	26.1	15.3	.	.	Roe	Vatteville	Collected personally
.	25	14.3	.	.	Roe	Vatteville	Collected personally
.	24.6	15	.	.	Roe	Vatteville	Collected personally
.	27.1	14.1	.	.	Roe	Vatteville	Collected personally
.	24.4	14.2	.	.	Roe	Vatteville	Collected personally
.	28.1	14.1	.	.	Roe	Vatteville	Collected personally
.	25	15.9	.	.	Roe	Vatteville	Collected personally
.	24.1	.	.	.	Roe	Guildford	Collected personally
.	26.3	.	.	.	Roe	Portchester	Collected personally
.	24.4	.	.	.	Roe	Portchester	Collected personally
.	25.5	.	.	.	Roe	Portchester	Collected personally
.	26.7	.	24.9	.	Roe	Portchester	Collected personally
.	26.5	.	.	.	Roe	Portchester	Collected personally
.	25.3	.	.	.	Roe	Portchester	Collected personally
.	24.2	13.7	.	.	Roe	Cheddar	Collected personally
.	24.7	14.5	.	.	Roe	Cheddar	Collected personally
.	23.6	14.6	.	.	Roe	Cheddar	Collected personally
.	23.8	13.7	23.9	16.3	Roe	Cheddar	Collected personally
.	24.3	14.1	.	.	Roe	Cheddar	Collected personally
.	24	13.9	.	.	Roe	Cheddar	Collected personally
.	24	14.5	.	.	Roe	Cheddar	Collected personally
.	.	.	24.9	17	Roe	Cheddar	Collected personally
.	.	.	25.8	15.3	Roe	Cheddar	Collected personally
.	.	.	23.4	13.8	Roe	Cheddar	Collected personally
.	24.7	14.5	.	.	Roe	Cheddar	Collected personally
.	.	.	29.9	.	Fallow	Guildford	Collected personally
18.9	36.2	.	31.4	.	Fallow	Guildford	Collected personally
23.2	37.6	.	.	.	Fallow	Facombe Netherton	Sadler, 1990
20.2	37	.	.	.	Fallow	Facombe Netherton	Sadler, 1990
.	.	.	31	.	Fallow	Monkton	Bendrey, pers. comm.
.	53.2	29.2	.	.	Red	Vatteville	Collected personally
.	.	.	44.3	32.1	Red	Vatteville	Collected personally
.	47.9	25.1	.	.	Red	Vatteville	Collected personally
.	.	.	46.4	31.8	Red	Vatteville	Collected personally
.	.	.	42.7	30.7	Red	Vatteville	Collected personally
.	45.9	24.8	.	.	Red	Vatteville	Collected personally
.	.	.	41.8	29.2	Red	Vatteville	Collected personally
.	.	.	44.1	34.3	Red	Vatteville	Collected personally
.	.	.	43.8	31	Red	Vatteville	Collected personally
.	63.2	32.5	.	.	Red	Vatteville	Collected personally
.	54.4	29.6	.	.	Red	Vatteville	Collected personally
.	52.7	27.6	.	.	Red	Vatteville	Collected personally
.	.	.	.	.	Red	Launceston	Albarella and Davis, 1996
.	60.4	.	53.4	.	Red	Portchester	Collected personally
.	50	.	.	.	Red	Portchester	Collected personally
.	.	.	48.4	.	Red	Portchester	Collected personally
.	.	.	49.8	.	Red	Portchester	Collected personally
.	.	.	46.2	.	Red	Portchester	Collected personally
28	51.8	.	.	.	Red	Facombe Netherton	Sadler, 1990
28.9	55.3	.	46.9	.	Red	Facombe Netherton	Sadler, 1990
.	.	.	50.4	.	Red	Facombe Netherton	Sadler, 1990
.	.	.	45.5	.	Red	Facombe Netherton	Sadler, 1990

Appendix IVd4: Measurements for Deer Metacarpals

GL	SD	BP	DP	BD	DD	Deer	Site	Source of Information
.	.	21.4	16.3	.	.	Roe	Guildford	Collected personally
.	.	21.5	15.6	.	.	Roe	Guildford	Collected personally
.	.	21.6	14.7	20.9	13.7	Roe	Portchester	Collected personally
.	.	18.4	14.1	.	.	Roe	Cheddar	Collected personally
.	.	.	.	19.1	12.6	Roe	Cheddar	Collected personally
.	.	.	.	22.7	14.6	Roe	Cheddar	Collected personally
.	.	20	15.6	.	.	Roe	Cheddar	Collected personally
.	.	21.3	16.1	.	.	Roe	Cheddar	Collected personally
.	.	18.3	13.7	.	.	Roe	Cheddar	Collected personally
.	.	18.7	13.3	.	.	Roe	Cheddar	Collected personally
.	.	19.1	14.2	.	.	Roe	Cheddar	Collected personally
.	.	22.7	15.2	.	.	Roe	Cheddar	Collected personally
.	.	18.8	13.9	.	.	Roe	Cheddar	Collected personally
.	.	20.7	16.2	.	.	Roe	Cheddar	Collected personally
.	12.6	20.2	.	.	.	Roe	Facombe Netherton	Sadler, 1990
153	11.9	19.1	.	20.9	8.9	Roe	Facombe Netherton	Sadler, 1990
152	11.5	20.9	.	20.9	9	Roe	Facombe Netherton	Sadler, 1990
148	11.7	19.2	.	21.1	8.7	Roe	Facombe Netherton	Sadler, 1990
145	11	19.6	.	19.7	8.4	Roe	Facombe Netherton	Sadler, 1990
149	11.7	19.5	.	.	8.3	Roe	Facombe Netherton	Sadler, 1990
.	11.9	20	.	.	8.9	Roe	Facombe Netherton	Sadler, 1990
149	11.3	19.6	.	20.8	8.1	Roe	Facombe Netherton	Sadler, 1990
.	.	.	.	20.8	8.8	Roe	Facombe Netherton	Sadler, 1990
181	15.5	.	.	26.9	17.7	Fallow	Launceston	Albarella and Davis, 1996
180	15.9	.	.	27.5	17.8	Fallow	Launceston	Albarella and Davis, 1996
191	16.4	.	.	.	.	Fallow	Launceston	Albarella and Davis, 1996
197	17.5	.	.	29.8	19.6	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	27.7	17.5	Fallow	Launceston	Albarella and Davis, 1996
178	15.3	.	.	26.7	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	27.1	17.4	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	26.4	17.2	Fallow	Launceston	Albarella and Davis, 1996
199	17.5	.	.	30.6	19.9	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	30.9	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	28.4	18	Fallow	Portchester	Collected personally
.	.	.	.	28.9	18.8	Fallow	Portchester	Collected personally
200	18.3	31.9	.	32.1	13.5	Fallow	Facombe Netherton	Sadler, 1990
194	18.2	30.1	.	30.4	13.3	Fallow	Facombe Netherton	Sadler, 1990
185	15.7	26.2	.	28.6	12	Fallow	Facombe Netherton	Sadler, 1990
197	18.6	30.4	.	30.4	14.1	Fallow	Facombe Netherton	Sadler, 1990
186	19.2	31.6	.	30.5	13.4	Fallow	Facombe Netherton	Sadler, 1990
.	.	27.3	.	.	.	Fallow	Monkton	Bendrey, pers. comm.
.	16	.	.	.	.	Fallow	Monkton	Bendrey, pers. comm.
.	17	30	.	.	.	Fallow	Monkton	Bendrey, pers. comm.
.	.	.	.	48.6	27	Red	Vatzeville	Collected personally
.	.	29.7	32.7	.	.	Red	Vatzeville	Collected personally
.	.	33.7	38.1	.	.	Red	Vatzeville	Collected personally
.	.	34.6	24.9	53.1	29	Red	Vatzeville	Collected personally
.	.	33.9	24.5	.	.	Red	Vatzeville	Collected personally
.	19.7	33.9	25.4	35.2	24.7	Red	Vatzeville	Collected personally
.	23.6	.	.	39.6	25.9	Red	Vatzeville	Collected personally
.	.	.	.	41.3	27.3	Red	Vatzeville	Collected personally
.	.	39.4	27.6	.	.	Red	Vatzeville	Collected personally
.	.	38.5	27.3	.	.	Red	Vatzeville	Collected personally
.	.	.	.	39.2	25.9	Red	Vatzeville	Collected personally
.	.	35	25	.	.	Red	Portchester	Collected personally
.	.	41	.	.	.	Red	Portchester	Collected personally
.	.	42.8	31.5	.	.	Red	Portchester	Collected personally
.	.	43	26.5	39.8	26	Red	Portchester	Collected personally
.	.	39.5	27.3	.	.	Red	Portchester	Collected personally
.	.	36.7	26.9	.	.	Red	Portchester	Collected personally
.	.	37.7	27.4	.	.	Red	Portchester	Collected personally
.	.	41.8	30	.	.	Red	Portchester	Collected personally

Appendix IVd4: Measurements for Deer Metacarpals

GL	SD	BP	DP	BD	DD	Deer	Site	Source of Information
.	.	.	.	42.9	27.8	Red	Portchester	Collected personally
.	.	40.1	31.3	.	.	Red	Portchester	Collected personally
.	.	48.1	33.3	47.2	28.6	Red	Portchester	Collected personally
.	.	40.6	29	39.3	27.2	Red	Portchester	Collected personally
.	.	.	.	37	25.9	Red	Portchester	Collected personally
.	.	.	.	41.7	27.9	Red	Cheddar	Collected personally
270	24	41	.	42.8	19.4	Red	Facombe Netherton	Sadler, 1990
258	21.1	36.3	.	37.5	18	Red	Facombe Netherton	Sadler, 1990
264	23.2	39.2	.	41.3	20	Red	Facombe Netherton	Sadler, 1990
262	21.3	39	.	39.7	18.1	Red	Facombe Netherton	Sadler, 1990
256	22.1	39.6	.	40.4	17.8	Red	Facombe Netherton	Sadler, 1990
265	21.5	39.5	.	40.6	18.9	Red	Facombe Netherton	Sadler, 1990

Appendix IVd5: Measurements for Deer Tibiae

BP	DP	BD	DD	Deer	Site	Source of Information
.	.	26.8	.	Roe	Facombe Netherton	Sadler, 1990
.	.	26.7	.	Roe	Facombe Netherton	Sadler, 1990
.	.	24.1	.	Roe	Facombe Netherton	Sadler, 1990
.	.	.	.	Roe	Facombe Netherton	Sadler, 1990
.	.	26.9	.	Roe	Facombe Netherton	Sadler, 1990
.	.	24.1	.	Roe	Facombe Netherton	Sadler, 1990
.	.	26.4	20	Roe	Vatteville	Collected personally
.	.	27.4	20.9	Roe	Vatteville	Collected personally
.	.	25.9	19.8	Roe	Vatteville	Collected personally
.	.	24.1	18.9	Roe	Vatteville	Collected personally
.	.	27	20.2	Roe	Vatteville	Collected personally
.	.	26.2	19.8	Roe	Vatteville	Collected personally
.	.	26.1	19.1	Roe	Vatteville	Collected personally
.	.	27.5	20.3	Roe	Vatteville	Collected personally
.	.	27.2	20.3	Roe	Vatteville	Collected personally
.	.	24.6	18.6	Roe	Portchester	Collected personally
.	.	25.5	19.4	Roe	Portchester	Collected personally
.	.	24.5	19.4	Roe	Portchester	Collected personally
.	.	25.6	18.8	Roe	Portchester	Collected personally
41.1	42.8	.	.	Roe	Portchester	Collected personally
41.5	40.3	.	.	Roe	Portchester	Collected personally
.	.	26.1	19.9	Roe	Portchester	Collected personally
.	.	24.5	18.3	Roe	Portchester	Collected personally
.	.	25.1	19.2	Roe	Portchester	Collected personally
.	.	26.5	20.2	Roe	Portchester	Collected personally
39.2	40.5	.	.	Roe	Portchester	Collected personally
38.2	39.4	.	.	Roe	Portchester	Collected personally
.	.	23.7	17.7	Roe	Portchester	Collected personally
.	.	26.2	19.1	Roe	Cheddar	Collected personally
.	.	32.3	25.9	Fallow	Vatteville	Collected personally
.	.	32.3	25.6	Fallow	Vatteville	Collected personally
.	.	32.6	27	Fallow	Vatteville	Collected personally
.	.	37.2	28.4	Fallow	Guildford	Collected personally
.	.	31.2	26	Fallow	Guildford	Collected personally
.	.	37.2	30.2	Fallow	Guildford	Collected personally
.	.	36.7	28.9	Fallow	Guildford	Collected personally
.	.	32.9	24.7	Fallow	Guildford	Collected personally
51.3	52.5	.	.	Fallow	Guildford	Collected personally
54.4	55.8	33.1	26.5	Fallow	Guildford	Collected personally
.	.	31.7	24.6	Fallow	Guildford	Collected personally
.	.	33.3	25	Fallow	Guildford	Collected personally
.	.	34.7	27.2	Fallow	Guildford	Collected personally
.	.	31.2	23.8	Fallow	Guildford	Collected personally
.	.	32.4	23.9	Fallow	Guildford	Collected personally
.	.	34.1	22.8	Fallow	Guildford	Collected personally
51.3	49.8	.	.	Fallow	Guildford	Collected personally
.	.	35.7	27.3	Fallow	Guildford	Collected personally
.	.	35.9	29.3	Fallow	Guildford	Collected personally
.	.	31.5	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	33.2	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	35.8	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	34.8	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	32.3	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	34.8	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	37.3	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	33.4	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	32.3	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	31.5	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	33.7	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	33.7	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	32.8	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	34.9	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	31	.	Fallow	Launceston	Albarella and Davis, 1996

Appendix IVd5: Measurements for Deer Tibiae

BP	DP	BD	DD	Deer	Site	Source of Information
.	.	34.8	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	32	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	32.4	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	36.6	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	31.3	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	32.1	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	34.7	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	35.2	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	36	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	31.7	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	31	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	33.3	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	33.6	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	34.2	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	34.9	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	35.2	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	29.9	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	30.8	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	31.3	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	31.9	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	34.8	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	35.5	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	35.6	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	30.9	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	31.9	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	35.4	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	32.7	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	34.8	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	35.1	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	36.6	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	33.5	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	31	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	33.7	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	34.4	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	34.8	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	31.8	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	35.8	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	36.8	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	32.1	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	32.2	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	34	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	28.9	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	32.3	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	32.6	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	33	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	34.1	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	35.1	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	35.9	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	30.8	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	33.6	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	28.8	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	32.8	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	34.5	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	34.8	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	34.9	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	31.7	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	34.3	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	35.7	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	35.9	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	35.3	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	32.5	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	35.1	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	35.3	.	Fallow	Launceston	Albarella and Davis, 1996

Appendix IVd5: Measurements for Deer Tibiae

BP	DP	BD	DD	Deer	Site	Source of Information
.	.	32.8	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	34.2	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	32.7	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	33.7	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	33.8	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	32.5	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	33.7	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	29.8	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	33.9	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	31.1	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	33.2	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	30.2	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	31.2	.	Fallow	Portchester	Collected personally
.	.	37	30.7	Fallow	Cheddar	Collected personally
.	.	35.2	.	Fallow	Trowbridge	Bourdillon 1993
.	.	35.7	.	Fallow	Trowbridge	Bourdillon 1993
.	.	37.8	.	Fallow	Trowbridge	Bourdillon 1993
.	.	34.7	.	Fallow	Facombe Netherton	Sadler, 1990
.	.	36.5	.	Fallow	Facombe Netherton	Sadler, 1990
.	.	30.8	.	Fallow	Facombe Netherton	Sadler, 1990
.	.	34.5	.	Fallow	Facombe Netherton	Sadler, 1990
.	.	32	.	Fallow	Facombe Netherton	Sadler, 1990
.	.	34	.	Fallow	Facombe Netherton	Sadler, 1990
.	.	36.3	.	Fallow	Facombe Netherton	Sadler, 1990
.	.	35.7	.	Fallow	Facombe Netherton	Sadler, 1990
.	.	33	.	Fallow	Facombe Netherton	Sadler, 1990
.	.	32.5	.	Fallow	Facombe Netherton	Sadler, 1990
.	.	33	.	Fallow	Facombe Netherton	Sadler, 1990
.	.	35.9	.	Fallow	Facombe Netherton	Sadler, 1990
.	.	32.3	.	Fallow	Facombe Netherton	Sadler, 1990
.	.	36.5	.	Fallow	Facombe Netherton	Sadler, 1990
.	.	33.1	.	Fallow	Facombe Netherton	Sadler, 1990
.	.	33.2	.	Fallow	Facombe Netherton	Sadler, 1990
.	.	35.4	.	Fallow	Facombe Netherton	Sadler, 1990
.	.	42.8	34.6	Red	Vatteville	Collected personally
.	.	42.1	32.8	Red	Vatteville	Collected personally
.	.	45.1	33.7	Red	Vatteville	Collected personally
.	.	44.2	33.6	Red	Vatteville	Collected personally
.	.	47.9	36.6	Red	Vatteville	Collected personally
.	.	42.9	33.3	Red	Vatteville	Collected personally
.	.	45.1	33.5	Red	Vatteville	Collected personally
.	.	47.5	34.3	Red	Vatteville	Collected personally
72	62	.	.	Red	Vatteville	Collected personally
.	.	42.4	34.8	Red	Vatteville	Collected personally
.	.	43.2	31.1	Red	Vatteville	Collected personally
.	.	41.4	29.7	Red	Vatteville	Collected personally
.	.	43.3	33.6	Red	Vatteville	Collected personally
.	.	44.3	35.6	Red	Vatteville	Collected personally
.	.	43.2	34.3	Red	Vatteville	Collected personally
.	.	41.8	35.5	Red	Vatteville	Collected personally
.	.	47.4	35.3	Red	Vatteville	Collected personally
.	.	43.8	32.1	Red	Vatteville	Collected personally
.	.	48.5	36.4	Red	Vatteville	Collected personally
.	.	43	34	Red	Vatteville	Collected personally
.	.	46.3	33.2	Red	Vatteville	Collected personally
.	.	44.2	32.1	Red	Vatteville	Collected personally
.	.	46.5	36.8	Red	Vatteville	Collected personally
.	.	46.6	33.6	Red	Vatteville	Collected personally
.	.	44.9	34.3	Red	Vatteville	Collected personally
65.8	71.7	.	.	Red	Vatteville	Collected personally
.	.	41	31.8	Red	Vatteville	Collected personally
.	.	46.5	34.8	Red	Vatteville	Collected personally
.	.	43.2	30.5	Red	Vatteville	Collected personally

Appendix IVd5: Measurements for Deer Tibiae

BP	DP	BD	DD	Deer	Site	Source of Information
.	.	45.8	35.3	Red	Vatteville	Collected personally
.	.	45.5	33.3	Red	Vatteville	Collected personally
.	.	43.2	31.2	Red	Vatteville	Collected personally
.	.	48.1	36.2	Red	Vatteville	Collected personally
.	.	46.5	38.1	Red	Vatteville	Collected personally
.	.	45.3	37.8	Red	Vatteville	Collected personally
.	.	41.7	33.4	Red	Guildford	Collected personally
.	.	48.5	33.8	Red	Guildford	Collected personally
.	.	46.6	35.1	Red	Guildford	Collected personally
.	.	43.2	34.1	Red	Guildford	Collected personally
.	.	44.3	.	Red	Launceston	Albarella and Davis, 1996
.	.	46.4	34.5	Red	Portchester	Collected personally
.	.	43.6	34.1	Red	Portchester	Collected personally
.	.	47.4	36.4	Red	Portchester	Collected personally
.	.	49.1	37.9	Red	Portchester	Collected personally
.	.	44.3	34.9	Red	Portchester	Collected personally
.	.	50	40.5	Red	Portchester	Collected personally
.	.	41.7	33.1	Red	Portchester	Collected personally
.	.	43.8	32.8	Red	Portchester	Collected personally
.	.	46.7	36.8	Red	Portchester	Collected personally
.	.	50.5	38.5	Red	Portchester	Collected personally
.	.	48.1	38.9	Red	Portchester	Collected personally
.	.	45.1	35.6	Red	Portchester	Collected personally
.	.	44.8	35.5	Red	Portchester	Collected personally
.	.	43	36.9	Red	Portchester	Collected personally
.	.	39.6	31.8	Red	Cheddar	Collected personally
.	.	50	39.1	Red	Cheddar	Collected personally
.	.	46.1	.	Red	Facombe Netherton	Sadler, 1990
.	.	45.2	.	Red	Facombe Netherton	Sadler, 1990
.	.	46.1	.	Red	Facombe Netherton	Sadler, 1990
.	.	42.1	.	Red	Facombe Netherton	Sadler, 1990
.	.	49.5	.	Red	Facombe Netherton	Sadler, 1990
.	.	46.6	.	Red	Facombe Netherton	Sadler, 1990

Appendix IVd6: Measurements for Deer Metatarsals

GL	SD	BP	DP	BD	DD	Deer	Site	Source of Information
.	.	19.9	20.6	.	.	Roe	Vatteville	Collected personally
.	.	.	.	23.2	15.1	Roe	Vatteville	Collected personally
.	.	20.7	19.9	.	.	Roe	Vatteville	Collected personally
.	.	20.6	20.3	.	.	Roe	Vatteville	Collected personally
.	.	.	.	23.5	15.4	Roe	Guildford	Collected personally
.	.	.	.	21.8	14.2	Roe	Launceston	Albarella and Davis, 1996
178	10.4	.	.	21.7	14.2	Roe	Launceston	Albarella and Davis, 1996
.	.	.	.	23	15.2	Roe	Launceston	Albarella and Davis, 1996
.	.	.	.	23.1	15.3	Roe	Launceston	Albarella and Davis, 1996
165	10.2	.	.	20.6	14	Roe	Launceston	Albarella and Davis, 1996
179	10.8	.	.	22.3	14.4	Roe	Launceston	Albarella and Davis, 1996
.	.	.	.	23.1	14.7	Roe	Launceston	Albarella and Davis, 1996
.	.	.	.	21	.	Roe	Launceston	Albarella and Davis, 1996
.	.	18.5	19.5	.	.	Roe	Portchester	Collected personally
.	.	19.5	19.9	23.1	15.2	Roe	Portchester	Collected personally
.	12.8	.	.	.	.	Roe	Portchester	Collected personally
.	.	20.2	22	.	.	Roe	Portchester	Collected personally
.	.	18.5	19.5	.	.	Roe	Portchester	Collected personally
.	.	20.3	19	22.9	15.2	Roe	Portchester	Collected personally
.	.	19	20.1	.	.	Roe	Cheddar	Collected personally
.	.	20.3	20.8	.	.	Roe	Cheddar	Collected personally
.	.	20.8	22.2	.	.	Roe	Cheddar	Collected personally
.	.	19.8	19.3	.	.	Roe	Cheddar	Collected personally
.	.	19.1	18.7	.	.	Roe	Cheddar	Collected personally
.	.	.	.	21.3	14.3	Roe	Cheddar	Collected personally
.	.	.	.	22.5	15.2	Roe	Cheddar	Collected personally
.	.	.	.	21.7	14.8	Roe	Cheddar	Collected personally
.	.	.	.	23	15.3	Roe	Cheddar	Collected personally
184	12.3	21.6	.	22.6	10.6	Roe	Facombe Netherton	Sadler, 1990
182	12.7	20.1	.	22.5	10.4	Roe	Facombe Netherton	Sadler, 1990
177	11.7	19.1	.	21.9	9.7	Roe	Facombe Netherton	Sadler, 1990
173	10.7	18.6	.	20.6	9.4	Roe	Facombe Netherton	Sadler, 1990
180	11.7	19.8	.	.	10.5	Roe	Facombe Netherton	Sadler, 1990
180	11.6	18.8	.	10.7	22.7	Roe	Facombe Netherton	Sadler, 1990
185	.	18.4	.	22.8	10.9	Roe	Facombe Netherton	Sadler, 1990
228	18.8	29.2	.	33.1	15.8	Fallow	Facombe Netherton	Sadler, 1990
224	18.9	27.2	.	32.2	15.1	Fallow	Facombe Netherton	Sadler, 1990
209	16.1	26	.	28.8	13.2	Fallow	Facombe Netherton	Sadler, 1990
205	15.5	24.5	.	29.1	13.5	Fallow	Facombe Netherton	Sadler, 1990
231	18.3	29.2	.	32.8	15.8	Fallow	Facombe Netherton	Sadler, 1990
204	14.6	24.7	.	28.1	13.5	Fallow	Facombe Netherton	Sadler, 1990
.	.	23.7	24.1	.	.	Fallow	Guildford	Collected personally
.	.	25.2	26.4	.	.	Fallow	Guildford	Collected personally
.	15.6	27.5	28.7	.	.	Fallow	Guildford	Collected personally
.	14.7	23.4	25.1	.	.	Fallow	Guildford	Collected personally
.	15.8	25.2	27.3	28.5	15.7	Fallow	Guildford	Collected personally
.	.	24.2	27.5	.	.	Fallow	Guildford	Collected personally
.	.	24.9	25.5	.	.	Fallow	Guildford	Collected personally
.	.	27.5	29.7	.	.	Fallow	Guildford	Collected personally
.	.	24.6	26	.	.	Fallow	Guildford	Collected personally
.	.	27.9	29.2	.	.	Fallow	Guildford	Collected personally
.	.	.	.	33.1	19.5	Fallow	Guildford	Collected personally
227	18.4	.	.	31.5	20.2	Fallow	Launceston	Albarella and Davis, 1996
220	17.2	.	.	31.6	20	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	28	17.9	Fallow	Launceston	Albarella and Davis, 1996
218	17.4	.	.	30.4	19.4	Fallow	Launceston	Albarella and Davis, 1996
206	15.1	.	.	28.5	18.6	Fallow	Launceston	Albarella and Davis, 1996
204	.	.	.	27.6	17.8	Fallow	Launceston	Albarella and Davis, 1996
200	150	.	.	27.7	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	31.5	19.9	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	28.8	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	27.1	17.8	Fallow	Launceston	Albarella and Davis, 1996



Appendix IVd6: Measurements for Deer Metatarsals

GL	SD	BP	DP	BD	DD	Deer	Site	Source of Information
.	.	.	.	27.4	17.3	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	28.2	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	29.3	18.8	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	29	.	Fallow	Launceston	Albarella and Davis, 1996
199	15	.	.	27.1	17.4	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	.	.	Fallow	Launceston	Albarella and Davis, 1996
204	14.9	.	.	28.4	18	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	30.5	19	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	31.2	19.7	Fallow	Launceston	Albarella and Davis, 1996
205	15.5	.	.	28.5	18	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	30.5	19.3	Fallow	Launceston	Albarella and Davis, 1996
209	15.5	.	.	29.4	18.7	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	29.1	18.6	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	31	19.5	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	31.1	20	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	31.2	19.6	Fallow	Launceston	Albarella and Davis, 1996
212	16.2	.	.	29.7	18.6	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	29	18.8	Fallow	Launceston	Albarella and Davis, 1996
218	16.9	.	.	30.6	19.7	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	29.6	19.2	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	30.2	19.5	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	30.5	19.4	Fallow	Launceston	Albarella and Davis, 1996
202	15.6	.	.	.	19.1	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	28.1	18.5	Fallow	Launceston	Albarella and Davis, 1996
212	15.2	.	.	29.3	18.8	Fallow	Launceston	Albarella and Davis, 1996
221	17.1	.	.	30.4	19.8	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	30.5	19.1	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	30.6	.	Fallow	Launceston	Albarella and Davis, 1996
224	16.9	.	.	31.6	19.8	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	31.7	20.7	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	30	.	Fallow	Launceston	Albarella and Davis, 1996
206	15.2	.	.	27.7	18.3	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	28.2	18.2	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	31.2	20.2	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	27.3	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	27.3	17.6	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	29.6	18.6	Fallow	Launceston	Albarella and Davis, 1996
222	16.8	.	.	32.2	21.5	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	27.8	18.3	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	30.6	19.4	Fallow	Launceston	Albarella and Davis, 1996
202	.	.	.	28.4	18.7	Fallow	Launceston	Albarella and Davis, 1996
212	16.4	.	.	28.7	18.8	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	31.3	20.3	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	31.2	19.5	Fallow	Launceston	Albarella and Davis, 1996
199	15.5	.	.	27.9	17.7	Fallow	Launceston	Albarella and Davis, 1996
219	18.3	.	.	30.5	19.5	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	30.8	19.3	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	30.8	19.8	Fallow	Launceston	Albarella and Davis, 1996
226	17.1	.	.	32.2	20.2	Fallow	Launceston	Albarella and Davis, 1996
216	16.5	.	.	30.6	19.6	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	30.2	19.1	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	30.3	.	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	32.4	20.6	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	30.8	19.9	Fallow	Launceston	Albarella and Davis, 1996
.	.	.	.	29	18.5	Fallow	Portchester	Collected personally
.	.	.	.	28.5	18.1	Fallow	Portchester	Collected personally
.	.	.	.	28.7	17.6	Fallow	Cheddar	Collected personally
274	23.6	36.1	39.4	41.6	26.1	Red	Vatteville	Collected personally
.	.	32.1	35.9	.	.	Red	Vatteville	Collected personally
.	.	33.1	38.4	.	.	Rcd	Vatteville	Collected personally
.	.	.	.	.	.	Red	Vatteville	Collected personally
.	.	34.7	37.3	.	.	Red	Vatteville	Collected personally

Appendix IVd6: Measurements for Deer Metatarsals

GL	SD	BP	DP	BD	DD	Deer	Site	Source of Information
278	21.1	31.7	33.8	36.1	25	Red	Vatteville	Collected personally
.	.	30	31.8	.	.	Red	Vatteville	Collected personally
.	.	31.3	29	.	.	Red	Vatteville	Collected personally
.	.	.	.	36.9	24	Red	Vatteville	Collected personally
280	26.6	34	37	.	.	Red	Vatteville	Collected personally
.	.	35.1	37	.	.	Red	Vatteville	Collected personally
.	.	34.1	36.2	.	.	Red	Vatteville	Collected personally
.	.	.	.	37.3	26.9	Red	Vatteville	Collected personally
.	.	32.5	38.6	.	.	Red	Vatteville	Collected personally
.	.	30.2	34.4	.	.	Red	Vatteville	Collected personally
.	.	33.6	36.5	.	.	Red	Vatteville	Collected personally
.	.	29.5	32.8	.	.	Red	Vatteville	Collected personally
.	.	32.2	32	.	.	Red	Vatteville	Collected personally
.	.	36	37.8	.	.	Red	Vatteville	Collected personally
288	25	34.7	37.8	42.6	26.5	Red	Vatteville	Collected personally
.	.	31.2	35.3	.	.	Red	Vatteville	Collected personally
.	.	32.8	34.5	.	.	Red	Vatteville	Collected personally
260	18.1	.	.	.	.	Red	Launceston	Albarella and Davis, 1996
.	.	34.9	36.6	.	.	Red	Portchester	Collected personally
.	.	.	.	41.3	27.4	Red	Portchester	Collected personally
.	.	32.2	33.2	37	22.7	Red	Portchester	Collected personally
.	.	36.3	39.6	.	.	Red	Portchester	Collected personally
.	.	33.9	35.8	.	.	Red	Portchester	Collected personally
.	.	.	.	39.2	25.4	Red	Portchester	Collected personally
.	.	.	.	41.2	29.1	Red	Portchester	Collected personally
.	.	35.2	38	.	.	Red	Portchester	Collected personally
.	.	33.8	36.4	.	.	Red	Portchester	Collected personally
.	.	36.7	38.3	.	.	Red	Portchester	Collected personally

Appendix IVe1: Measurements for Lagomorph Scapulae

HS	SLc	GLP	LG	BG	Type	Source of information
.	7.1	12.6	11.3	11.2	Modern Hare	FRU Southampton University
75	7.3	13.9	12.4	11.2	Modern Hare	FRU Southampton University
80.9	7.5	12.6	11.2	11.2	Modern Hare	FRU Southampton University
58.1	4.9	9	8.7	7.6	Modern Rabbit	FRU Southampton University
61.1	5.1	8.9	8.8	7.3	Modern Rabbit	FRU Southampton University
62.1	4.9	8.8	8.3	6.9	Modern Rabbit	FRU Southampton University
61.4	5	9.3	8.9	7.5	Modern Rabbit	FRU Southampton University
62.3	5	8.9	8.3	6.7	Modern Rabbit	FRU Southampton University
60	4.7	8.8	8.2	7.7	Modern Rabbit	FRU Southampton University
60	5.2	8.4	8.3	7.5	Modern Rabbit	FRU Southampton University
59.7	5.1	6.9	7.9	7.6	Modern Rabbit	FRU Southampton University
.	4.9	10.9	.	.	Modern Rabbit	Collected personally
.	4.9	10.9	.	.	Modern Rabbit	Vanderford's Average
.	4.8	.	.	.	Spanish	Mariezkurrena, 1986
.	4.7	8.4	.	7.6	Spanish	Mariezkurrena, 1986
.	4.6	8.5	.	7.6	Spanish	Mariezkurrena, 1986
.	4.4	8.4	.	7.1	Spanish	Mariezkurrena, 1986
.	4.4	8.3	.	7.1	Spanish	Mariezkurrena, 1986
.	4.2	8.6	.	7.6	Spanish	Mariezkurrena, 1986
.	4.1	8.1	.	7.1	Spanish	Mariezkurrena, 1986
.	4	7.9	.	.	Spanish	Davis, personal communication
55	5.6	9.3	8.7	8.5	Facombe Netherton	Sadler, personal communication
.	4.7	8.6	8.1	7.6	Facombe Netherton	Sadler, personal communication
.	4.6	8.6	8.1	7.9	Vatteville	Collected personally
.	5.1	8.3	6.1	7.4	Guildford Castle	Collected personally
57	4.7	8.4	7.4	7.6	Portchester Castle	Collected personally
.	5.2	7.8	8.7	7.6	Portchester Castle	Collected personally

Appendix IVe2: Measurements for lagomorph Humerii

GL	SD	BD	Type	Source of Information
61.5	4.2	8.8	Modern British	FRU Southampton University
60.7	5	9.6	Modern British	FRU Southampton University
60.9	5.1	10.1	Modern British	FRU Southampton University
62.2	4.3	9.7	Modern British	FRU Southampton University
62.4	4.2	9.5	Modern British	FRU Southampton University
62.6	4.6	8.9	Modern British	FRU Southampton University
62.7	4.6	9.1	Modern British	FRU Southampton University
59.4	4.1	9.1	Modern British	FRU Southampton University
60.3	3.9	8.4	Modern British	FRU Southampton University
62.1	3.7	8.6	Dudley Castle	Thomas, personal communication
63.4	4.1	8.9	Dudley Castle	Thomas, personal communication
64.8	3.8	9	Dudley Castle	Thomas, personal communication
59	4.1	8.8	Dudley Castle	Thomas, personal communication
62.2	3.7	8.8	Dudley Castle	Thomas, personal communication
58.1	3.8	8.6	Dudley Castle	Thomas, personal communication
58	3.7	8.8	Dudley Castle	Thomas, personal communication
63.6	4	9.2	Dudley Castle	Thomas, personal communication
58.4	3.5	9.3	Dudley Castle	Thomas, personal communication
62.1	3.5	8.4	Dudley Castle	Thomas, personal communication
58.6	3.6	8.8	Dudley Castle	Thomas, personal communication
61.1	4.1	9.2	Dudley Castle	Thomas, personal communication
72.2	5	10.6	Dudley Castle	Thomas, personal communication
58.2	3.6	8.5	Dudley Castle	Thomas, personal communication
61	4.1	9	Dudley Castle	Thomas, personal communication
.	4.6	9.2	Dudley Castle	Thomas, personal communication
.	4.28	9.05	Modern British	Vanderford's Average
63.5	4.2	8.3	Spanish	Mariezkurrena, 1986
63.5	4.3	8.3	Spanish	Mariezkurrena, 1986
60	4	8.1	Spanish	Mariezkurrena, 1986
60	3.6	8.3	Spanish	Mariezkurrena, 1986
59.5	4	8.1	Spanish	Mariezkurrena, 1986
58.5	4.1	8.2	Spanish	Mariezkurrena, 1986
58.5	3.8	8.2	Spanish	Mariezkurrena, 1986
.	3.6	8	Spanish	Mariezkurrena, 1986
.	3.6	8	Spanish	Mariezkurrena, 1986
.	3.9	8.7	Spanish	Mariezkurrena, 1986
.	3.5	8.1	Spanish	Mariezkurrena, 1986
56.7	3.7	7.9	Spanish	Uperman , 1970
58.9	3.8	7.7	Spanish	Uperman , 1970
.	3.7	7.8	Spanish	Uperman , 1970
.	.	7.5	Spanish	Davis, personal communication
58.4	3.4	7.5	Spanish	Davis, personal communication
60.1	3.9	8.9	Facombe Netherton	Sadler, personal communication
60	3.7	8.8	Facombe Netherton	Sadler, personal communication
60.1	3.8	8.5	Facombe Netherton	Sadler, personal communication
63.6	4.1	8.8	Facombe Netherton	Sadler, personal communication
.	3.9	8.7	Facombe Netherton	Sadler, personal communication
63.8	4.2	9.2	Facombe Netherton	Sadler, personal communication
63.2	4.2	9.2	Portchester Castle	Collected personally
62.7	4.3	9.3	Portchester Castle	Collected personally
63.8	4	9.3	Portchester Castle	Collected personally
60.5	3.9	8.8	Portchester Castle	Collected personally
62	3.9	8.7	Portchester Castle	Collected personally
.	3.5	8.2	Clay Hill	Collected personally
.	4	9	Carne's Seat	Collected personally
60.3	3.5	8.8	Carne's Seat	Collected personally

Appendix IVe3: Measurements for Lagomorph Radii

GL	BP	SD	BD	Type	Source of Information
102	9.3	5.1	10.1	Modern Hare	FRU Southampton University
102	9	5.1	9.6	Modern Hare	FRU Southampton University
99.8	9	4.5	9.7	Modern Hare	FRU Southampton University
98	8.9	4.6	10.3	Modern Hare	FRU Southampton University
104	9.4	4.8	10.8	Modern Hare	FRU Southampton University
100	8.1	4.5	10.1	Modern Hare	FRU Southampton University
57.7	6.3	3.1	5.7	Modern Rabbit	FRU Southampton University
57	6.2	3.4	6.4	Modern Rabbit	FRU Southampton University
57.3	6.2	3.4	6.1	Modern Rabbit	FRU Southampton University
57.8	6.4	3.2	5.9	Modern Rabbit	FRU Southampton University
58.5	6.2	3.5	5.8	Modern Rabbit	FRU Southampton University
59.4	6.1	3.6	5.8	Modern Rabbit	FRU Southampton University
.	6.3	3.8	6.1	Modern Rabbit	FRU Southampton University
56.2	.	2.8	.	Dudley Castle	Thomas, personal communication
58.4	.	2.9	.	Dudley Castle	Thomas, personal communication
55	.	2.9	.	Dudley Castle	Thomas, personal communication
61.3	.	3.1	.	Dudley Castle	Thomas, personal communication
57.2	.	2.6	.	Dudley Castle	Thomas, personal communication
57.2	.	2.6	.	Dudley Castle	Thomas, personal communication
60.9	.	3.2	.	Dudley Castle	Thomas, personal communication
.	6.12	3.5	6	Modern British	Vanderford's Average
60.5	6.1	3.1	6	Spanish	Mariezkurrena, 1986
60.5	6.1	3	5.9	Spanish	Mariezkurrena, 1986
60	6.3	2.9	6.2	Spanish	Mariezkurrena, 1986
59.5	5.8	3.1	5.8	Spanish	Mariezkurrena, 1986
59.5	5.8	3	5.8	Spanish	Mariezkurrena, 1986
58	6.1	3.2	6	Spanish	Mariezkurrena, 1986
57.5	5.7	2.7	5.8	Spanish	Mariezkurrena, 1986
56.5	5.6	2.7	5.1	Spanish	Mariezkurrena, 1986
55.5	5.6	3	5.9	Spanish	Mariezkurrena, 1986
.	6.1	2.8	.	Spanish	Mariezkurrena, 1986
.	5.4	2.7	.	Spanish	Mariezkurrena, 1986
.	5.7	.	.	Spanish	Altuna, 1976
.	5.5	.	.	Spanish	Davis, personal communication
54.7	5.5	2.6	.	Spanish	Davis, personal communication
56.8	5.8	3.2	5.9	Facombe Netherton	Sadler, personal communication
.	6.2	3.2	5.9	Facombe Netherton	Sadler, personal communication
.	6.1	3.4	.	Facombe Netherton	Sadler, personal communication
.	6.4	3.3	.	Facombe Netherton	Sadler, personal communication
.	5.9	3.3	.	Facombe Netherton	Sadler, personal communication
.	.	.	6.1	Facombe Netherton	Sadler, personal communication
.	.	.	5.3	Facombe Netherton	Sadler, personal communication
.	.	3.4	6.2	Facombe Netherton	Sadler, personal communication
.	6.1	3	.	Facombe Netherton	Sadler, personal communication
59.7	6.6	3.4	6.1	Vatteville Castle	Collected personally
.	6.1	3	.	Vatteville Castle	Collected personally

Appendix IVe4: Measurements for Lagomorph Femora

GL	BP	SD	BD	Type	Source of Information
122	26.3	9.3	19.1	Modern Hare	FRU Southampton University
121	26.5	9.4	18.9	Modern Hare	FRU Southampton University
115	23.8	8.4	18.6	Modern Hare	FRU Southampton University
116	23.9	8.6	18.6	Modern Hare	FRU Southampton University
120	25	8.8	18.4	Modern Hare	FRU Southampton University
119	25.1	8.7	18.2	Modern Hare	FRU Southampton University
121	24.9	9.4	18.5	Modern Hare	FRU Southampton University
121	25.4	9.2	18.6	Modern Hare	FRU Southampton University
81	16	6.9	14	Modern Rabbit	FRU Southampton University
81.9	15.2	7.1	13.6	Modern Rabbit	FRU Southampton University
80.7	16.2	7.2	14.3	Modern Rabbit	FRU Southampton University
80.9	16.4	7.3	14	Modern Rabbit	FRU Southampton University
82	15.5	7	13.7	Modern Rabbit	FRU Southampton University
81.1	16.5	7	13.6	Modern Rabbit	FRU Southampton University
81.6	16.3	6.9	14	Modern Rabbit	FRU Southampton University
76.2	15.1	6.5	13	Modern Rabbit	FRU Southampton University
77.5	15	6.8	13.1	Modern Rabbit	FRU Southampton University
76.6	15.3	6.4	13.2	Modern Rabbit	FRU Southampton University
77.2	15	6.6	13.3	Modern Rabbit	FRU Southampton University
80.2	15.3	6.5	13.6	Modern Rabbit	FRU Southampton University
80.4	15.4	6.5	13.7	Modern Rabbit	FRU Southampton University
83.1	15.9	6.6	13.6	Modern Rabbit	Collected personally
85.3	17.2	6.9	14.1	Modern Rabbit	Collected personally
79.3	15.7	6	13.2	Modern Rabbit	Collected personally
81.6	.	5.8	.	Dudley Castle	Thomas, personal communication
83.8	.	6.4	.	Dudley Castle	Thomas, personal communication
77.4	.	6.3	.	Dudley Castle	Thomas, personal communication
79.2	.	5.7	.	Dudley Castle	Thomas, personal communication
84.1	.	6.7	.	Dudley Castle	Thomas, personal communication
84.7	.	7.1	.	Dudley Castle	Thomas, personal communication
80.7	.	6	.	Dudley Castle	Thomas, personal communication
80.8	.	6	.	Dudley Castle	Thomas, personal communication
.	.	7.08	13.5	Modern British	Vanderford's Average
83	16	6.6	14	Spanish	Mariezkurrena, 1986
81.5	16	6.3	14	Spanish	Mariezkurrena, 1986
81.5	16	6.6	13.5	Spanish	Mariezkurrena, 1986
81	15	5.7	13	Spanish	Mariezkurrena, 1986
80	15	6.5	13	Spanish	Mariezkurrena, 1986
79	14	6	12.5	Spanish	Mariezkurrena, 1986
79	16.3	6.5	13	Spanish	Mariezkurrena, 1986
78	15	5.8	12	Spanish	Mariezkurrena, 1986
78	16.2	6	13	Spanish	Mariezkurrena, 1986
77	15	5.6	13	Spanish	Mariezkurrena, 1986
77	15	6	12	Spanish	Mariezkurrena, 1986
74.5	14	5.7	12.7	Spanish	Mariezkurrena, 1986
.	14.5	.	.	Spanish	Mariezkurrena, 1986
72.4	16.5	5.8	11.6	Spanish	Uperman, 1970
73	.	6	12	Spanish	Uperman, 1970
73.1	16	6.1	11.9	Spanish	Uperman, 1970
75.7	17.1	6	12	Spanish	Uperman, 1970
76.5	15.9	6.6	12	Spanish	Uperman, 1970
73.6	.	5.2	11.6	Spanish	Davis, personal communication
79.9	15.3	6.1	13.1	Facombe Netherton	Sadler, personal communication
.	15.5	.	.	Facombe Netherton	Sadler, personal communication
.	15	6.4	13.1	Facombe Netherton	Sadler, personal communication
.	.	7.1	14.3	Facombe Netherton	Sadler, personal communication
.	15	6.1	12.7	Facombe Netherton	Sadler, personal communication
78.1	15.8	7.2	13.2	Portchester Castle	Collected personally
81.7	16	7.3	14	Portchester Castle	Collected personally
81.8	15.9	7.3	13.8	Portchester Castle	Collected personally
.	15.6	6.5	13	Portchester Castle	Collected personally
.	15.5	6.9	.	Portchester Castle	Collected personally
80.5	15.3	6.2	13.4	Portchester Castle	Collected personally
.	15.7	6.6	.	Portchester Castle	Collected personally
82.4	15.8	6.4	13.4	Guildford Castle	Collected personally
.	16.1	7.2	13	Came's Seat	Collected personally

Appendix IVe5: Measurements for Lagomorph Tibia

GL	BP	SD	BD	DD	Type	Source of Information
137	19.1	7.1	15.4	9.4	Modern Hare	F.R.U Southampton University
137	18.8	7.1	15.2	9.6	Modern Hare	F.R.U Southampton University
132	19	7.5	15.3	9.3	Modern Hare	F.R.U Southampton University
132	19.1	7.1	15.3	9.5	Modern Hare	F.R.U Southampton University
137	20	7.3	15.5	9.5	Modern Hare	F.R.U Southampton University
138	19.9	6.8	15.5	9.7	Modern Hare	F.R.U Southampton University
136	17.9	5.9	13.8	10	Modern Hare	F.R.U Southampton University
13.6	17.5	5.7	13.3	10.4	Modern Hare	F.R.U Southampton University
89	14.7	5.4	13.1	6.5	Modern British	F.R.U Southampton University
89.9	14.5	5.7	12.3	6.6	Modern British	F.R.U Southampton University
90.1	13.6	5.3	12.4	6.2	Modern British	F.R.U Southampton University
89.1	14.6	5.9	12.7	6.6	Modern British	F.R.U Southampton University
89.2	14.7	5.9	12.3	6.5	Modern British	F.R.U Southampton University
90.3	13.7	5.6	12.5	6.4	Modern British	F.R.U Southampton University
92.1	14.9	5.3	12.1	6	Modern British	F.R.U Southampton University
92.3	14.8	5.3	11.9	6.1	Modern British	F.R.U Southampton University
90.6	14.8	5.8	12.4	6.4	Modern British	F.R.U Southampton University
90.4	14.8	5.7	12.3	6.4	Modern British	F.R.U Southampton University
.	.	.	11.6	.	Dudley Castle	Thomas, personal communication
.	.	.	11.5	.	Dudley Castle	Thomas, personal communication
94.1	.	5.9	12.3	.	Dudley Castle	Thomas, personal communication
.	.	.	12.1	.	Dudley Castle	Thomas, personal communication
.	.	.	12.3	.	Dudley Castle	Thomas, personal communication
90.1	.	5.4	11.8	.	Dudley Castle	Thomas, personal communication
90.2	.	5.4	11.8	.	Dudley Castle	Thomas, personal communication
86.9	.	5.3	11.7	.	Dudley Castle	Thomas, personal communication
.	.	.	11.7	.	Dudley Castle	Thomas, personal communication
91.5	.	5.4	11.9	.	Dudley Castle	Thomas, personal communication
.	.	.	11.5	.	Dudley Castle	Thomas, personal communication
.	.	.	12.3	.	Dudley Castle	Thomas, personal communication
85.2	.	5.2	12.2	.	Dudley Castle	Thomas, personal communication
85.5	.	5.3	12.2	.	Dudley Castle	Thomas, personal communication
93.9	.	6.1	12.9	.	Dudley Castle	Thomas, personal communication
90.5	.	5	12.4	.	Dudley Castle	Thomas, personal communication
89.1	.	5	11.6	.	Dudley Castle	Thomas, personal communication
89.3	.	5.1	11.7	.	Dudley Castle	Thomas, personal communication
.	14.3	5.65	9.8	.	British	Vanderford's Average
83.9	13.5	5	11	.	Spanish	Uperman , 1970
88.6	.	5.1	10.9	.	Spanish	Uperman , 1970
98	15	5.3	11.8	.	Spanish	Mariezkurrena, 1986
94	14.7	5.6	12	.	Spanish	Mariezkurrena, 1986
94	14	5	11	.	Spanish	Mariezkurrena, 1986
94	14	5	11	.	Spanish	Mariezkurrena, 1986
93.5	13.5	4.6	10.7	.	Spanish	Mariezkurrena, 1986
92	14	5	11	.	Spanish	Mariezkurrena, 1986
92	13.8	5.4	11	.	Spanish	Mariezkurrena, 1986
90	15	5.3	12.3	.	Spanish	Mariezkurrena, 1986
89	12.7	4.7	10.4	.	Spanish	Mariezkurrena, 1986
89	.	5.1	11.3	.	Spanish	Mariezkurrena, 1986
87	13.3	5	11	.	Spanish	Mariezkurrena, 1986
85	13	5.1	11	.	Spanish	Mariezkurrena, 1986
85	13	4.7	10.4	.	Spanish	Mariezkurrena, 1986
83	13	5	10.7	.	Spanish	Mariezkurrena, 1986
.	13.6	.	.	.	Spanish	Mariezkurrena, 1986
.	13.3	.	.	.	Spanish	Mariezkurrena, 1986
.	12.6	.	.	.	Spanish	Mariezkurrena, 1986
.	12.4	.	.	.	Spanish	Mariezkurrena, 1986
.	.	.	11.4	.	Spanish	Mariezkurrena, 1986
.	.	.	10.8	.	Spanish	Mariezkurrena, 1986
.	.	.	10.8	.	Spanish	Mariezkurrena, 1986
.	.	.	10.7	.	Spanish	Mariezkurrena, 1986





Appendix IVe5: Measurements for Lagomorph Tibia

GL	BP	SD	BD	DD	Type	Source of Information
.	.	.	9.5	.	Spanish	Mariezkurrena, 1986
.	.	.	10.5	.	Spanish	Davis, personal communication
82.6	.	4.6	10.2	.	Spanish	Davis, personal communication
88.9	14.5	5.3	12.3	6	Facombe Netherton	Sadler, personal communication
.	14.3	.	.	.	Facombe Netherton	Sadler, personal communication
.	.	.	11.9	6.4	Facombe Netherton	Sadler, personal communication
.	.	.	12.6	6.2	Facombe Netherton	Sadler, personal communication
.	.	.	11.1	6.2	Facombe Netherton	Sadler, personal communication
.	14.2	.	.	.	Facombe Netherton	Sadler, personal communication
.	.	.	12.2	6.2	Facombe Netherton	Sadler, personal communication
.	13.9	.	.	.	Facombe Netherton	Sadler, personal communication
.	14.2	5.3	.	.	Facombe Netherton	Sadler, personal communication
87.2	13.9	5.7	11.8	5.9	Facombe Netherton	Sadler, personal communication
.	14.1	5.6	.	.	Facombe Netherton	Sadler, personal communication
88.1	13.1	4.8	11.3	5.8	Facombe Netherton	Sadler, personal communication
.	.	.	11.8	6	Facombe Netherton	Sadler, personal communication
91.2	14.5	.	12.5	6.5	Portchester Castle	collected personally
.	.	.	11.4	5.7	Portchester Castle	collected personally
85.9	12.9	5.6	10.9	6.8	Portchester Castle	collected personally
.	13.8	.	.	.	Guildford Castle	collected personally
.	13.7	.	.	.	Guildford Castle	collected personally
.	13.5	.	12	6.2	Guildford Castle	collected personally
.	13.2	.	.	.	Guildford Castle	collected personally
.	.	5.2	10.6	6	Carne's Seat	collected personally
.	.	5.3	11.1	5.8	Carne's Seat	collected personally
88.8	12.7	5.4	.	5.7	Carne's Seat	collected personally
.	.	4.7	11.4	6	Carne's Seat	collected personally
90	12.1	5.9	12.2	5.8	Vatteville castle	collected personally
.	.	5.9	12	6.7	Cheddar Palaces	collected personally




**Appendix Va: Butchery Codes Additional to Those Devised by Lauwerier (1988)**

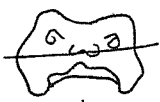

**Codes for Mandible Butchery**

- |    |                                                                                   |                                                             |
|----|-----------------------------------------------------------------------------------|-------------------------------------------------------------|
| 34 |  | (lateral) basal side corpus chopped off.                    |
| 35 |  | (lateral) aboral side of mandible chopped off vertically    |
| 36 |  | (medial) chop on medial side of the basal half of the ramus |
| 37 |  | (medial) shaving underneath the processi                    |




**Codes for Rib Butchery**

- |   |                                                                                     |                          |
|---|-------------------------------------------------------------------------------------|--------------------------|
| 8 |  | ventral part chopped off |
|---|-------------------------------------------------------------------------------------|--------------------------|






**Codes for Butchery of the Atlas**

- |    |                                                                                     |                                           |
|----|-------------------------------------------------------------------------------------|-------------------------------------------|
| 19 |  | (ventral) chopped through dorso-ventrally |
| 20 |  | (cranial) chopped through sagittally      |

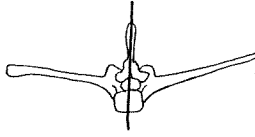

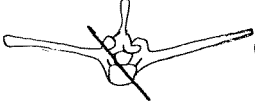


**Codes for Butchery of Cervical Vertebrae**

- |    |                                                                                     |                                      |
|----|-------------------------------------------------------------------------------------|--------------------------------------|
| 20 |  | (cranial) chopped through sagittally |
| 21 |  | (lateral) chopped through diagonally |
| 22 |  | (cranial) chopped through diagonally |



### Codes for Butchery of Thoracic Vertebrae

- |    |                                                                                   |                                             |
|----|-----------------------------------------------------------------------------------|---------------------------------------------|
| 20 |  | (cranial) chopped through sagittally        |
| 21 |  | (lateral) chopped through diagonally        |
| 22 |  | (cranial) chopped through diagonally        |
| 23 |  | (lateral) shaving on lateral side of corpus |
| 24 |  | (lateral) chop on lateral side of corpus    |








### Codes for Butchery of Lumbar Vertebrae

- |    |                                                                                     |                                             |
|----|-------------------------------------------------------------------------------------|---------------------------------------------|
| 20 |  | (cranial) chopped through sagittally        |
| 21 |  | (lateral) chopped through diagonally        |
| 22 |  | (cranial) chopped through diagonally        |
| 23 |  | (lateral) shaving on lateral side of corpus |
| 24 |  | (lateral) chop on lateral side of corpus    |

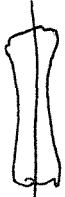
### Codes for Scapula Butchery

- |    |                                                                                     |                                               |
|----|-------------------------------------------------------------------------------------|-----------------------------------------------|
| 41 |  | (lateral) proximal end chopped off            |
| 42 |  | (lateral) proximal end chopped off diagonally |






### Codes for Humerus Butchery

- 37  (proximal/caudal) proximal end chopped off
- 38  (distal/caudal) distal end chopped off
- 39  (distal/caudal) cut marks round fossa olecrani
- 40  (distal/caudal) horizontal chop through trochlea
- 41  (distal/caudal) chop on caudal side of distal diaphysis
- 42  (proximal caudal) proximal part of articulation chopped off
- 43  (distal/caudal) chopped longitudinally



### Codes for Radius Butchery

- 35  (dorsal) chopped longitudinally






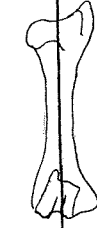
### Codes for Ulna Butchery

- 16  (proximal/lateral) proximal end chopped through
- 17  (proximal/lateral) coronoid process chopped off
- 18  (proximal/lateral) chop on lateral side below articulation
- 19  (proximal/lateral) diaphysis chopped through middle
- 20  (proximal/lateral) proximal end chopped through diagonally




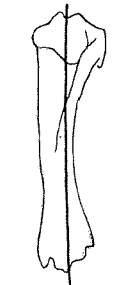
### Codes for Pelvis Butchery

- 30  (ventral) cut on ischial portion of acetabulum
- 31  (ventral) cut on pubis portion of acetabulum








### Codes for Femur Butchery

- 37  (distal/medial) medial part of the trochlea patellaris chopped off
- 38  (proximal) proximal end chopped off
- 39  (proximal/medial) cut marks on the trochanter minor
- 40  (distal) distal end chopped off
- 41  (distal) distal epiphysis chopped through horizontally
- 42  (cranial) femur split longitudinally







### Codes for Tibia Butchery

- 39  (distal) lateral of distal epiphysis chopped off
- 40  (proximal) medial part of proximal end chopped off
- 41  (proximal) proximal end chopped off
- 42  (dorsal) tibia split longitudinally




### Codes for Astragalus Butchery

- |    |                                                                                     |                                                 |
|----|-------------------------------------------------------------------------------------|-------------------------------------------------|
| 14 |    | (lateral) proximal part chopped off             |
| 15 |    | (dorsal) chopped through longitudinally         |
| 16 |    | (dorsal) as 15 but more laterally or medially   |
| 17 |    | (dorsal) chopped through transversally          |
| 18 |   | (lateral) chopped through dorso-ventrally       |
| 19 |  | (plantar) chop on proximal half of plantar side |
| 20 |  | (medial) cut on proximal of medial side         |






### Codes for Calcaneum Butchery

- |          |                                                                                     |                                                        |
|----------|-------------------------------------------------------------------------------------|--------------------------------------------------------|
| 17       |  | (medial) coronoid process chopped through horizontally |
| 18       |  | (medial) coronoid process chopped through vertically   |
| 19       |  | (lateral) coronoid process chopped through diagonally  |
| 20       |  | (medial) chop on medial of coronoid process            |
| 21/22/23 |  | (dorsal) cut/shave/chop on dorsal side of tuber        |
| 24       |  | (dorsal) tuber chopped through                         |

### Codes for Metapodia Butchery

- |    |                                                                                   |                                                      |
|----|-----------------------------------------------------------------------------------|------------------------------------------------------|
| 31 |  | (proximal/dorsal) dorsal of proximal end shaved off  |
| 32 |  | (distal/dorsal) lateral of distal end chopped off    |
| 33 |  | (proximal/dorsal) medial of proximal end chopped off |

### Codes for Phalanx Butchery

- |    |                                                                                     |                                                |
|----|-------------------------------------------------------------------------------------|------------------------------------------------|
| 13 |    | (proximal) proximal end chopped longitudinally |
| 14 |   | (proximal) proximal end chopped diagonally     |
| 15 |  | (axial) phalanx chopped axially                |
| 16 |  | (dorsal) phalanx chopped longitudinally        |
| 17 |  | (dorsal) distal end chopped off                |

### Butchery Activity Codes

- |    |                   |
|----|-------------------|
| SK | Skinning          |
| D  | Disarticulation   |
| DB | De-boning         |
| M  | Marrow Extraction |
| B  | Brining           |
| SM | Smoking           |
| C  | Consumption       |

Appendix Vb1: Raw Data for Mandible Butchery.  
 Key to Codes: Bold = Chopped, Normal = Cut.

<b>Cattle Mandible</b>	<b>Codes</b>																<b>Total</b>					
	<b>3</b>	<b>4</b>	<b>7</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>22</b>	<b>23</b>	<b>29</b>	<b>31</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>		
<b>Pre-Conquest</b>																						
Portchester		1	1	5	1	1	9	1	3	19	7	4	3	1	2		1		7	2		68
Steyning														1				1				2
<b>Total</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>1</b>	<b>1</b>	<b>9</b>	<b>1</b>	<b>3</b>	<b>19</b>	<b>7</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>2</b>		<b>1</b>	<b>1</b>	<b>7</b>	<b>2</b>		<b>70</b>	
<b>Post-Conquest</b>																						
Portchester	1					1	1		3	2				1		1		1	1	3	15	
Guildford									1												1	
<b>Total</b>	<b>1</b>					<b>1</b>	<b>1</b>		<b>3</b>	<b>3</b>				<b>1</b>		<b>1</b>		<b>1</b>	<b>1</b>	<b>3</b>	<b>16</b>	

<b>Sheep Mandible</b>	<b>Codes</b>																<b>Total</b>					
	<b>3</b>	<b>4</b>	<b>7</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>22</b>	<b>23</b>	<b>29</b>	<b>31</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>		
<b>Pre-Conquest</b>																						
Portchester						1						1	2									4
<b>Post-Conquest</b>																						
Guildford						1																1

<b>Pig Mandible</b>	<b>Codes</b>																<b>Total</b>					
	<b>3</b>	<b>4</b>	<b>7</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>22</b>	<b>23</b>	<b>29</b>	<b>31</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>		
<b>Pre-Conquest</b>																						
Portchester			1		1	1				1	1	1				10	1	2	1			20
<b>Post-Conquest</b>																						
Portchester	1					1	1									2						5
Vatville						2																2

Appendix Vb2: Raw Data for Vertebra Butchery.  
 Key to Codes: Bold = Chopped, Normal = Cut, Italics = Shaved.

Cattle-Size Atlas	Codes																			Total	
	<b>2</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>19</b>	<b>20</b>						
<b>Pre-Conquest</b>																					
Portchester		1		1	1			1	1	1	1					1					8
<b>Post-Conquest</b>																					
Portchester			1							1						1					3
Guildford								1	3							1					5
<b>total</b>			1					1	4							2					8
<b>Vatteville</b>	1				1					2											4

Sheep-Size Atlas	Codes																			Total	
	<b>2</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>19</b>	<b>20</b>						
<b>Pre-Conquest</b>																					
Portchester								1													1
<b>Post-Conquest</b>																					
Guildford											3	1			1						
Pevensey												1									
<b>total</b>											3	2		1							6
<b>Vatteville</b>	1													1							2

Pig Atlas	Codes																			Total	
	<b>2</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>19</b>	<b>20</b>						
<b>Pre-Conquest</b>																					
Portchester															1						1
<b>Post-Conquest</b>																					
Guildford						1				1											2

Cattle-Size Axis	Codes														Total	
	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>		
<b>Pre-Conquest</b>																
Portchester			1	4	1					10					1	17
<b>Post-Conquest</b>																
Portchester		1		2						3						6
Guildford	1	3			2											6
<b>total</b>	1	4		2	2					3						12
<b>Vatteville</b>	2	3	1		2									1	2	11

Sheep-Size Axis	Codes														Total	
	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>		
<b>Pre-Conquest</b>																
Steyning															1	1
<b>Post-Conquest</b>																
portchester											1					
Guildford		9			1											
<b>total</b>		9			1						1					11
<b>Vatteville</b>		6														6



Appendix Vb2: Raw Data for Vertebra Butchery.  
 Key to Codes: Bold = Chopped, Normal = Cut, Italics = Shaved.

Cattle-Size Cervical	Codes														Total	
	1	2	3	4	5	6	7	9	13	14	15	17	20	21		22
<b>Pre-Conquest</b>																
Portchester		9	2	1	3	1	2	3		2	5	2	1		1	1
Pevensey			1							1		1	1			
Steyning							1					1	2			
<b>total</b>		9	3	1	3	1	3	3	1	2	5	4	4	1	1	
<b>Post-Conquest</b>																
Portchester	1	1		1						3	1	2				
Guildford				1	1				1			6	1	1		
<b>total</b>	1	1		2	1				1	3	1	8	1	1		
<b>Vatteville</b>	3		1							4		4				

Sheep-Size Cervical	Codes														Total	
	1	2	3	4	5	6	7	9	13	14	15	17	20	21		22
<b>Pre-Conquest</b>																
Portchester		1											1			
Steyning		1	1			1							6			
<b>total</b>		2	1			1							7			
<b>Post-Conquest</b>																
Portchester										1		2		1		
Pevensey									1							
Guildford								1				2				
<b>total</b>								2		1		4		1		
<b>Vatteville</b>			6										3			

Cattle-Size Thoracic	Codes																		Total
	1	2	3	4	5	6	7	12	13	14	15	16	17	18	20	21	22	23	
<b>Pre-Conquest</b>																			
Portchester	2	13	3	1			1	1	3	6	5		8	2	3			5	7
Pevensey											1		1	1					
Cheddar		1																	
Steyning															2				
<b>total</b>	2	14	3	1			1	1	3	6	6		9	3	5			5	7
<b>Post-Conquest</b>																			
Portchester		2						1	2	2	5					1		1	6
Pevensey		1								1	1								
Guildford	4	1		2	1	1						4	1	7	20				1
<b>total</b>	4	4		2	1	1	1	2	3	6	4	1	7	20	1			1	7
<b>Vatteville</b>	3							1	1										

Sheep-Size Thoracic	Codes														Total				
	1	2	3	4	5	6	7	12	13	14	15	16	17	18		20	21	22	23
<b>Pre-Conquest</b>																			
Portchester		2							2		3		1	1	1			1	2
Steyning				1						1	2	2		1					
<b>total</b>		2		1					2	1	5	2	1	2	1			1	2
<b>Post-Conquest</b>																			
Portchester									1			1		1					1
Pevensey										1				1			1	2	
Guildford		1	2								2	1	10	2					
<b>total</b>		1	2						1	1	2	2	10	4			1	3	
<b>Vatteville</b>	8								1	1	1	1					3		

Appendix Vb2: Raw Data for Vertebra Butchery.  
 Key to Codes: Bold = Chopped, Normal = Cut, Italics = Shaved.

Cattle-Size Lumbar	Codes														Total			
	1	2	3	4	7	11	12	13	14	15	17	18	19	20		21	22	23
<b>Pre-Conquest</b>																		
Portchester	29	2	1			1		6	1	3	2		2	2				
Pevensey	1																	
Steyning		1						1		1	1							
<b>total</b>	30	3	1			1		7	1	4	3		2	2				
<b>Post-Conquest</b>																		
Portchester	2	2	1				1		1	5			1	3		3		
Pevensey						1							1					
Cheddar		1									2				2			
<b>total</b>	2	3	1			1	1		1	5	2		1	4		5		
<b>Vatteville</b>	13								1				7					

Sheep-Size Lumbar	Codes														Total			
	1	2	3	4	7	11	12	13	14	15	17	18	19	20		21	22	23
<b>Pre-Conquest</b>																		
Portchester	5	1										2					1	
Steyning	1	1	1	2	1			1				5	3					
<b>total</b>	6	2	1	2	1			1			2	5	3				1	
<b>Post-Conquest</b>																		
Portchester	1				1			1					2				1	
Pevensey																1		
Guildford	1	1		1			2	2	2	1	8		9	1	4			
<b>total</b>	2	1		1	1		2	3	2	1	8		11	1	5		1	
<b>Vatteville</b>	20			1			3		1		1		1					

Appendix Vb3: Raw Data for Rib Butchery.  
 Key for Codes: Bold = Chopped, Normal = Cut.

<b>Cattle-Size Rib</b>	<b>Codes</b>								<b>Total</b>
	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	
<b>Pre-Conquest</b>									
Portchester	3	6	2	6	27	8	18	1	71
Pevensey				1					
<b>total</b>	<b>3</b>	<b>6</b>	<b>2</b>	<b>7</b>	<b>27</b>	<b>8</b>	<b>18</b>	<b>1</b>	<b>72</b>
<b>Post-Conquest</b>									
Portchester		2	3	2	8	4	5		24
Pevensey			2				1		3
Cheddar			1		1		1		3
Guildford	2			1	1	4	1		9
<b>total</b>	<b>2</b>	<b>2</b>	<b>6</b>	<b>3</b>	<b>10</b>	<b>8</b>	<b>8</b>		<b>39</b>

<b>Sheep-Size Rib</b>	<b>Codes</b>								<b>Total</b>
	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	
<b>Pre-Conquest</b>									
Portchester		3	2	1	3	9	3		21
<b>Post-Conquest</b>						1			
Guildford						1			
<b>total</b>						<b>2</b>			<b>2</b>



Appendix Vb5: Raw Data for Humerus Butchery.  
 Key to Codes: Bold = Chopped, Normal = Cut, Italics = Shaved.

Cattle Humerus	Codes																																											Total		
See page 381	<b>1</b>	<b>2</b>	<b>3</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>10</b>	<b>11</b>	<i>12</i>	<i>14</i>	<i>15</i>	<i>16</i>	<i>17</i>	<i>18</i>	<i>19</i>	<i>20</i>	<i>21</i>	<i>22</i>	<i>23</i>	<i>24</i>	<i>25</i>	<i>26</i>	<i>27</i>	<i>28</i>	<i>29</i>	<i>30</i>	<i>31</i>	<i>32</i>	<i>33</i>	<i>34</i>	<i>35</i>	<i>36</i>	<i>37</i>	<i>38</i>	<i>39</i>	<i>40</i>	<i>41</i>	<i>42</i>	<i>43</i>						
	D	D	D	D	D	DB	DB	DB	D/M	DB	DB	DB	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	M	M	D	D	D	D	D	D	D	C	D	M			
<b>Pre-Conquest</b>																																														
Portchester	1					1		1	9	2	1	1	2		4	6	1	1	1	4	4		2	3	6	6	2	3	9	11	21	13	1	2	5	1	1					57	182			
Pevensey					1																					1																			2	
Cheddar												1				1	1			2								1															1		7	
Steyning									2					1											1		1			1						3					2			11		
<b>total</b>	1				1	1		1	11	2	2	1	2	1	4	7	2	1	1	4	6		2	5	6	6	4	3	9	11	22	13	1	2	8	1	1				2	58	202			
<b>Post-Conquest</b>																																														
Portchester		1							4			1	1		1	2			1	1	1				1	1	2		1	4	2	1				1							12	38		
Pevensey									1				1																1	1			1												5	
Cheddar																1																														1
Guildford	2	1		2				1	2						1	1									1	1	2	5	8		2	1			2	6	1	4						43		
<b>total</b>	3	1		2				1	7			1	2		3	2	1		1	1	1				2	2	4	6	10		4	5	2		2	7	1	4				12	87			
<b>Vatteville</b>																																														
									9																																					14

Sheep Humerus	Codes																																											Total	
See page 381	<b>1</b>	<b>2</b>	<b>3</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>10</b>	<b>11</b>	<i>12</i>	<i>14</i>	<i>15</i>	<i>16</i>	<i>17</i>	<i>18</i>	<i>19</i>	<i>20</i>	<i>21</i>	<i>22</i>	<i>23</i>	<i>24</i>	<i>25</i>	<i>26</i>	<i>27</i>	<i>28</i>	<i>29</i>	<i>30</i>	<i>31</i>	<i>32</i>	<i>33</i>	<i>34</i>	<i>35</i>	<i>36</i>	<i>37</i>	<i>38</i>	<i>39</i>	<i>40</i>	<i>41</i>	<i>42</i>	<i>43</i>					
	D	D	D	D	D	DB	DB	DB	D/M	DB	DB	DB	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	M	M	D	D	D	D	D	D	D	D	C	D	M		
<b>Pre-Conquest</b>																																													
Portchester									2						3	1		4	1	2	2						1	1																3	20
Steyning				1											1			1			1						1										1	1			1				7
<b>total</b>			1						2						4	1		5	1	3	2						1	1							1	1			1				3	27	
<b>Post-Conquest</b>																																													
Portchester									1						3		1	5								3	2			1			1												17
Cheddar		1																																										1	2
Guildford					1		1	1	1																		1															4	1	10	
<b>total</b>	1			1		1	1	1	2						3		1	5									4	2						2			1				4	1	29		
<b>Vatteville</b>																																													
									2								1	1		1																									6

Appendix Vb5: Raw Data for Humerus Butchery.  
 Key to Codes: Bold = Chopped, Normal = Cut, Italics = Shaved.

Pig Humerus	Codes																																											Total							
See page 381	1	2	3	5	6	7	8	10	11	12	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43											
	D	D	D	D	D	DB	DB	DB	D/M	DB	DB	DB	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	M	M	D	D	D	D	D	D	D	C	D	M									
<b>Pre-Conquest</b>																																																			
Portchester									5	2								1	1		1	6				1	1			1	1											3	23								
Cheddar																																														1					
Steyning																																																4			
<b>total</b>									5	2								2	1		1	7				1	1			1	1					1			1	1			3	28							
<b>Post-Conquest</b>																																																			
Portchester									1	3				1				1	2	5		1	5																										21		
Pevensy									1	2																																								7	
Guildford									1	1																																								10	
<b>total</b>									1	1	2	5			1			4	2	6		1	5				1	1																						38	
<b>Vatteville</b>									2	4	1				1	1	2		11			10																													42

Deer Humerus	Codes																																											Total										
See page 381	1	2	3	5	6	7	8	10	11	12	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	45														
	D	D	D	D	D	DB	DB	DB	D/M	DB	DB	DB	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	M	M	D	D	D	D	D	D	D	D	D	C	D	M											
<b>Pre-Conquest</b>																																																						
Portchester Roe									2																																									6				
Portchester Red																																																				5		
<b>total</b>									2																																											11		
<b>Post-Conquest</b>																																																						
Portchester Roe									1																																											3		
Portchester Red									1																																													7
<b>total</b>									2																																													10
<b>Vatteville Red</b>									1																																												6	

Appendix Vb6: Raw Data for Radius Butchery.  
Key to Codes: Bold = Chopped, Normal = Cut, Italics = Shaving.

Cattle Radius	Codes																																			Total						
	1	2	4	5	7	8	9	11	12	13	14	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	33	34	35												
See page 381	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	M	M	M						
<b>Pre-Conquest</b>																																										
Portchester		2	9	6	1			3	1	2			1									3	2			1		1	1	1	1	1	1	1	1	1	43	77				
Pevensey																																				1	1	4	2			
Cheddar	1							1														1	1															4	4			
Steyning		1									1												1													1			4	4		
<b>total</b>	1	3	9	6	1			4	1	3			1									3	3			1	1	2	1	1	1	1	1	1	1	1	43	87				
<b>Post-Conquest</b>																																										
Portchester		1	5	2			1	2									1	1	1	1	1	1	1	1	1	1	1							2	1		1	3	1	25		
Pevensey	1											1																							1	1				4	4	
Cheddar					1																																			1	1	1
Guildford	1	3	2	1				1	1			1												1											2			1		1	1	16
<b>total</b>	1	5	7	4			1	3	1		1	1		1	1	1	1	1	1	1	1	2			4	1	2	1		1		4	1	1							46	
<b>Vatville</b>	2	3									1						2	2																	3	9			1		23	

Sheep Radius	Codes																																			Total							
	1	2	4	5	7	8	9	11	12	13	14	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	33	34	35													
See page 381	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	M	M	M					
<b>Pre-Conquest</b>																																											
Portchester								1		2							1	1					1			1													2	9			
Cheddar																			1										1	4	2									8	8		
Steyning																		1																							1	1	
<b>total</b>							1		2							2	2					1			1		1	1	4	2	2										18		
<b>Post-Conquest</b>																																											
Portchester								2																																		3	3
Pevensey																					1																					1	1
Cheddar																																											7
Guildford												1											1	1	1	1										1	1					7	
<b>total</b>							2		1							1	2	1	1				1	2																		11	
<b>Vatville</b>	1																																									3	

Pig Radius	Codes																																			Total							
	1	2	4	5	7	8	9	11	12	13	14	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	33	34	35													
See page 381	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	M	M	M					
<b>Pre-Conquest</b>																																											
Portchester								1		1	1			1																												4	4
<b>Post-Conquest</b>																																											
Portchester														1		1	1																									4	4
Cheddar													1																													1	1
Guildford	1																																									1	1
<b>total</b>	1												1		1	1	1																									6	
<b>Vatville</b>	2							5																																		7	

Deer Radius	Codes																																			Total								
	1	2	4	5	7	8	9	11	12	13	14	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	33	34	35														
<b>Pre-Conquest</b>																																												
See page 381	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	M	M	M						
Portchester																																										2	7	
Cheddar																																										2	2	
Saxport red	1																																									3	4	
<b>total</b>	1							3		1	1						1																									5	13	
<b>Post-Conquest</b>																																												
Guildford red																																											1	1
Vatville roe	1																																										2	2
Vatville red																																											6	6
<b>total</b>	1										1						2						1																				8	

Appendix Vb7: Raw Data for Ulma Butchery.  
Key to Codes: Bold = Chopped, Normal = Cut.

<b>Cattle Ulma</b>	<b>Codes</b>																	<b>Total</b>	
	<b>1</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	
See page 381	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
<b>Pre-Conquest</b>																			
Portchester		4	4		5		2	2	4	3	1	2	4	3	1		6	4	45
Cheddar					1														1
<b>total</b>		4	4		6		2	2	4	3	1	2	4	3	1		6	4	46
<b>Post-Conquest</b>																			
Cheddar											1								1
Portchester					3	1			2	2		1	1				3	5	18
Pevensy		1			1														2
Guildford	1				1				1			1	1	1	1	1			7
<b>total</b>	1	1			5	1			2	3	1	1	2	1	1	1	3	5	28
<b>Vatteville</b>		1	1		2	1						1	2			1	1		10

<b>Sheep Ulma</b>	<b>Codes</b>																	<b>Total</b>	
	<b>1</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	
See page 381	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
<b>Post-Conquest</b>																			
Cheddar											1								1
Guildford													1						1
<b>total</b>											1		1						2

<b>Pig Ulma</b>	<b>Codes</b>																	<b>Total</b>	
	<b>1</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	
See page 381	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
<b>Pre-Conquest</b>																			
Portchester				1	2		1						3	1		1		2	11
<b>Post-Conquest</b>																			
Portchester		1					1				1						2	1	6
Pevensy										4								4	8
Guildford							1												1
<b>total</b>		1					2			4	1						2	5	15
<b>Vatteville</b>					1								3					1	5



Appendix Vb8: Raw Data for Pelvis Butchery.  
Key to Codes: Bold = Chopped, Normal =Cut

Cattle Pelvis	Codes																															Total
See page 381	1	2	3	4	5	6	7	8	9	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
<b>Pre-Conquest</b>																																
Portchester	5	2	2	8	7	4	1		1			4			3	2		2	2		2		4	2	18	2		15	2	2	90	
Pevensey	1																														1	
Cheddar	1									1		2											1	5			1	1			12	
Steinyng		1	1									1																			3	
<b>total</b>	7	3	3	8	7	4	1		1	1		7			3	2		2	2		2		4	3	23	2	1	16	2	2	106	
<b>Post-Conquest</b>																																
Portchester		2		1		1				1		2					1						1	4				2			15	
Pevensey	1		2		2	2						1																			8	
Cheddar	1																														1	
Guildford	1	5	1	1	7	1		1		2	1	6		1			2		1								1	6			37	
<b>total</b>	3	7	3	2	9	4		1		3	1	8	1	1		1	2		1		1		1	4			1	8			61	
<b>Vatteville</b>	2	3	4	4	4	3						2		1			1							7			3	1	1	36		

Sheep Pelvis	Codes																																Total
See page 381	1	2	3	4	5	6	7	8	9	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	31	32			
	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D		
<b>Pre-Conquest</b>																																	
Portchester				1						1		1	1												2				1			7	
Steinyng		1		1																			1		1							4	
<b>total</b>		1		2						1		1	1	1									1		3				1			11	
<b>Post-Conquest</b>																																	
Portchester												2			1	1	1							1				1				7	
Pevensey						1																										1	
Guildford		3			1	1					1	2					1		1	1			1									12	
<b>total</b>		3			1	2					1	4			1	1	2		1	1			1	1			1			1		20	
<b>Vatteville</b>				1							1		1																			3	

Pig Pelvis	Codes																																Total
See page 381	1	2	3	4	5	6	7	8	9	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	31	32			
	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D		
<b>Pre-Conquest</b>																																	
Portchester					2					1								2	1					1	6			2				15	
Cheddar						1																										1	
Steinyng					1							1																	1			3	
<b>total</b>					3	1				1		1						2	1					1	6			3				19	
<b>Post-Conquest</b>																																	
Portchester						1						1													3							5	
Pevensey					1		1																	1				1				4	
Cheddar					1							1																				2	
Guildford		2	2					1																1								6	
<b>total</b>		2	2	1	1	2	1					2												1	1	3		1				17	
<b>Vatteville</b>	2			2	2	1						3													1							11	

Appendix Vb9: Raw Data for Femur Butchery.  
 Key to Codes: Bold = Chopped, Normal = Cut, Italics = Shaved.

Cattle Femur	Codes																								Total			
See page 381	2	3	4	5	6	11	14	16	17	18	21	22	24	25	28	30	31	32	33	36	37	38	39	40	41	42		
	D	D	D	D	D	D	D	D	D	DB	DB	D/M	D	D	D	D	D	D	D	D	M	D	D	D	D	D	M	
<b>Pre-Conquest</b>																												
Portchester	2	4	3		1		1	1	2		6	1	1				1	1		4		1		1	1	25	56	
Steyning	1	1	1			1				1				1													6	
<b>total</b>	3	5	4		1	1	1	1	3		6	1	2				1	1		4		1		1	1	25	62	
<b>Post-Conquest</b>																												
Portchester		6	1			1		1	1			1			1						1		1			1	15	
Pevensy																					1						1	
Cheddar	1																										1	
Guildford	2	12	5	5			1	1		1			1		2	1		3	2	8	6	2	3	2	1	57		
<b>total</b>	3	18	6	5	1		1	2	1		1	1		3	1		3	2	10	6	3	3	2	2	2	74		
<b>Vatteville</b>		1					3	2	15							2	1						2	1			27	

Sheep Femur	Codes																								Total		
See page 381	2	3	4	5	6	11	14	16	17	18	21	22	24	25	28	30	31	32	33	36	37	38	39	40	41	42	
	D	D	D	D	D	D	D	D	D	DB	DB	D/M	D	D	D	D	D	D	D	D	M	D	D	D	D	M	
<b>Pre-Conquest</b>																											
Portchester									1													4	1				6
Steyning																											1
<b>total</b>									1													4	1				7
<b>Post-Conquest</b>																											
Portchester										1	1		1									1			1		5
Pevensy									1						1									1			3
Cheddar																									1		1
Guildford	5	1	5					1	1						1	2	1		2	2							21
<b>total</b>	5	1	5					2	2	1		1		1	1	2	1		2	3			1	1	1		30
<b>Vatteville</b>	1								1													1		1			4

Pig Femur	Codes																								Total		
See page 381	2	3	4	5	6	11	14	16	17	18	21	22	24	25	28	30	31	32	33	36	37	38	39	40	41	42	
	D	D	D	D	D	D	D	D	D	DB	DB	D/M	D	D	D	D	D	D	D	D	M	D	D	D	D	M	
<b>Pre-Conquest</b>																											
Portchester	1																									2	3
Cheddar											1										1						2
<b>total</b>	1										1										1						5
<b>Post-Conquest</b>																											
Portchester											1				1												2
Guildford										1	2	3										1		1	3		11
<b>total</b>										1	2	4			1							1		1	3		13
<b>Vatteville</b>								1			2													1			4

Deer Femur	Codes																								Total		
See page 381	2	3	4	5	6	11	14	16	17	18	21	22	24	25	28	30	31	32	33	36	37	38	39	40	41	42	
	D	D	D	D	D	D	D	D	D	DB	DB	D/M	D	D	D	D	D	D	D	D	M	D	D	D	D	M	
<b>Pre-Conquest</b>																											
Portchester Red																										2	2
Cheddar Roe	1																										1
<b>total</b>	1																										3
<b>Post-Conquest</b>																											
Portchester Red											1	1		1													3
Guildford Red					1																				1		2
Guildford Fallow	1		1		1		2								2	1							2	1			11
<b>total</b>	1		1		1		2								3	1							2	2			16
<b>Vatteville</b>											2					1	1					1					5

Appendix Vb10: Raw Data for Tibia Butchery.  
 Key to Codes: Bold = Chopped, Normal = Cut, Italics = Shaving.

Cattle Tibia	Codes																																										Total							
See page 381	1	2	3	6	7	8	9	10	12	13	14	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	38	39	40	41	42													
	D	D	D	DB	DB	DB	DB	DB	D/M	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	SK	SK	SK	SK	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	M	M							
<b>Pre-Conquest</b>																																																		
Portchester			1	1			4	2	4			3				1						2	1	4	1	1			3						3			2	23	56										
Cheddar									1			2	1	1																																			5	
Steyning				1																				1						1																		1	4	
<b>total</b>			1	2			4	2	5			5	1	1		1						2	1	5	1	1			3	1					3			2	24	65										
<b>Post-Conquest</b>																																																		
Portchester		1		1			2		7														1	1	1				1						1														16	
Guildford		1					2		1						1	1																												1	2	13				
<b>total</b>		2		1			4		7	1					1	1						1	1	5				1							1							1	2	29						
<b>Vatteville</b>	1						5	1	7			2		1	1	1		2							6	1																							28	

Sheep Tibia	Codes																																										Total										
See page 381	1	2	3	6	7	8	9	10	12	13	14	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	38	39	40	41	42																
	D	D	D	DB	DB	DB	DB	DB	D/M	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	SK	SK	SK	SK	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	M	M						
<b>Pre-Conquest</b>																																																					
Portchester					1				1					1	1	1	6	1			1					1			1																						1	17	
Cheddar							1											1				1																													1	4	
Pevensey											1																																										1
Steyning									1				1																																							1	3
<b>total</b>					1		1		2	1		1	1	1	1	7	1					2			1	1			1																					1	25		
<b>Post-Conquest</b>																																																					
Cheddar									1								1					1	1																													1	5
Portchester					1						1			1									1		1																												6
Guildford									1																																											1	8
<b>total</b>					1				2		1		1			2	1	2				2		4																												1	19
<b>Vatteville</b>							1		2			1																																							1	7	

Appendix Vb10: Raw Data for Tibia Butchery.  
 Key to Codes: Bold = Chopped, Normal = Cut, Italics = Shaving.

<b>Pig Tibia</b>	<b>Codes</b>																																										<b>Total</b>	
See page 381	1	2	3	6	7	8	9	10	12	13	14	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	38	39	40	41	42							
	D	D	D	DB	DB	DB	DB	DB	D/M	DB	DB	DB	DB	DB	DB	DB	DB	DB	SK	SK	SK	SK	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D/M	M			
<b>Pre-Conquest</b>																																												
Portchester						1																	1		1																	3		
Pevensey																1																												1
Cheddar				1							1																																	2
Steyning																									1																		1	2
<b>total</b>			1			1					1					1							2		1																		1	8
<b>Post-Conquest</b>																																												
Portchester			1											1	1	1														1														5
Cheddar																																								1		1	2	
Pevensey	1										2														1																			4
Guildford																1				1									1												1		4	
<b>total</b>	1		1								2				1	1	2				1				1			1	1										1		1	1	15	
<b>Vatteville</b>			1								1	1	3			1								1																	1		9	

<b>Deer Tibia</b>	<b>Codes</b>																																										<b>Total</b>	
See page 381	1	2	3	6	7	8	9	10	12	13	14	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	38	39	40	41	42							
	D	D	D	DB	DB	DB	DB	DB	D/M	DB	DB	DB	DB	DB	DB	DB	DB	DB	SK	SK	SK	SK	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D/M	M	
<b>Pre-Conquest</b>																																												
Portchester Roe																														1									1			1	3	
Portchester Red																									1														1	2			10	15
Cheddar Red																																												3
<b>total</b>																									1	1														1	3		11	21
<b>Post-Conquest</b>																																												
Portchester Red																1																												1
Guildford Red																														1											1	1	7	
Guildford Fallow	1																													1	1	1						1	1		1	2	14	
<b>total</b>	1																													1	2	1								3	1	22		
<b>Vatteville Deer</b>																																												12

Appendix Vb11: Raw Data for Butchered Astragalus.

Key to Codes: Bold = Chopped, Normal = Cut.

Cattle Astragalus	Codes																				Total
See page 381	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	
	D	D	D	D	D	SK	D	SK	D	D	D	SK	D	D	D	D	D	D	D	D	
<b>Pre-Conquest</b>																					
Portchester	1	2		1	1	6		9	1	2	1	1					5	1	2		33
Pevensey								1						1							2
Cheddar					1			1			1				1				1		5
Steyning																	1				1
<b>total</b>	1	2		1	2	6		11	1	2	2	1		1	1		6	1	3		41
<b>Post-Conquest</b>																					
Pevensey								1													1
Portchester					6	2	1					1	3	1		2	1				17
Cheddar														1							1
Guildford												2	3	1	1	1					8
<b>total</b>					6	2	2					1	5	5	1	3	2				27
<b>Vatteville</b>	1														1						2

Sheep Astragalus	Codes																				Total
See page 381	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	
	D	D	D	D	D	SK	D	SK	D	D	D	SK	D	D	D	D	D	D	D	D	
<b>Pre-Conquest</b>																					
Cheddar					1																1
<b>Post-Conquest</b>																					
Guildford												1	1								2

Pig Astragalus	Codes																				Total
See page 381	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	
	D	D	D	D	D	SK	D	SK	D	D	D	SK	D	D	D	D	D	D	D	D	
<b>Pre-Conquest</b>																					
Portchester							1												1	2	2
Cheddar							1														1
<b>total</b>							2												1	3	3
<b>Post-Conquest</b>																					
Portchester		1					1														2
Guildford							1														1
<b>total</b>		1					2														3
<b>Vatteville</b>						3		4		1											8

Deer Astragalus	Codes																				Total
See page 381	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	
	D	D	D	D	D	SK	D	SK	D	D	D	SK	D	D	D	D	D	D	D	D	
<b>Pre-Conquest</b>																					
Portchester Red					2		1			1	1					1					6
<b>Post-Conquest</b>																					
Portchester Red										1											1
Portchester Fallow												1				1					2
Guildford Fallow				1	2											2					5
Guildford Red																2					2
<b>total</b>				1	2					1	1					5					10
<b>Vatteville Red</b>	1	2	9	1	10				2	1	3		1			1					31

Appendix Vb12: Raw data for Calcaneum Butchery.  
 Key to Codes: Bold = Chopped, Normal = Cut, Italics = Shaving.

<b>Cattle Calcaneum</b>	<b>Codes</b>																							<b>Total</b>
See page 381	<b>2</b>	<b>4</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>14</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>					
	D	D	D	D	SK	D	D	D	D	SK	SK	D	D	D	D	D	D	D	D					
<b>Pre-Conquest</b>																								
Portchester				1		1		2	2		2		1		1	2	1	3	16					
Pevensey	1									1	1								3					
Cheddar																1			1					
Steyning													1				1		2					
<b>total</b>	1		1		1		2	2	1	3		2		1	3	2	3	22						
<b>Post-Conquest</b>																								
Portchester			2		1				1		1					1		1	7					
Guildford	1	1										1	1					4						
<b>total</b>	1	1	2		1				1		2	1				1	1	11						
<b>Vatteville</b>																1	1	2						

<b>Sheep Calcaneum</b>	<b>Codes</b>																							<b>Total</b>
See page 381	<b>2</b>	<b>4</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>14</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>					
	D	D	D	D	SK	D	D	D	D	SK	SK	D	D	D	D	D	D	D	D					
<b>Pre-Conquest</b>																								
Cheddar																1			1					
<b>Post-Conquest</b>																								
Portchester					1		1												2					

<b>Pig Calcaneum</b>	<b>Codes</b>																							<b>Total</b>
See page 381	<b>2</b>	<b>4</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>14</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>					
	D	D	D	D	SK	D	D	D	D	SK	SK	D	D	D	D	D	D	D	D					
<b>Pre-Conquest</b>																								
Portchester							1	1					1		1				4					
<b>Post-Conquest</b>																								
Guildford										1		1		1					3					
<b>Vatteville</b>	1												1						2					

Appendix Vb13: Raw Data for Metacarpal Butchery.  
 Key to Codes: Bold = Chopped, Normal = Cut.

Cattle Metacarpal	Codes																							Total
	1	3	4	11	13	14	15	17	18	19	20	21	22	24	25	26	27	28	30	32	33			
See page 381	SK	SK	SK	D	SK	SK	D/M	D	SK	M	SK	SK	SK	SK	SK	D	D	D	D	M	M			
<b>Pre-Conquest</b>																								
Portchester	1	1	1			1	2		3	53		1	1	1	3	2	2	1	2	6	8	89		
Cheddar					2		1				1										1	5		
Steyning																					3	5	8	
<b>total</b>	1	1	1		2	1	3		3	53	1	1	1	1	3	2	2	1	2	9	14	102		
<b>Post-Conquest</b>																								
Portchester	1	1			2	2			4	6	1			4				2				23		
Pevensey							1															1		
Guildford		1			1	1																3		
<b>total</b>	1	2			2	3	2		4	6	1			4				2				27		
Vatteville													1					1				2		

Sheep Metacarpal	Codes																							Total
	1	3	4	11	13	14	15	17	18	19	20	21	22	24	25	26	27	28	30	32	33			
See page 381	SK	SK	SK	D	SK	SK	D/M	D	SK	M	SK	SK	SK	SK	SK	D	D	D	D	M	M			
<b>Pre-Conquest</b>																								
Portchester								1		8				1					5	4		19		
Steyning										1												1		
<b>total</b>								1		9				1					5	4		20		
<b>Post-Conquest</b>																								
Portchester	1			1																		2		
Guildford	1																					1		
<b>total</b>	2			1																		3		

Deer Metacarpal	Codes																							Total
	1	3	4	11	13	14	15	17	18	19	20	21	22	24	25	26	27	28	30	32	33			
See page 381	SK	SK	SK	D	SK	SK	D/M	D	SK	M	SK	SK	SK	SK	SK	D	D	D	D	M	M			
<b>Pre-Conquest</b>																								
Portchester Roe	1									1												2		
Portchester Red		1		4			1		31										1	2	4	44		
<b>total</b>	1	1		4			1		32										1	2	4	46		
<b>Post-Conquest</b>																								
Portchester Red										1										1		2		
Vatteville Red			1				1		2	2												6		

Appendix Vb14: Raw Data for Metatarsal Butchery.  
 Key to Codes: Bold = Chopped, Normal = Cut.

Cattle Metatarsal	Codes																							Total	
See page 381	1	3	4	6	7	11	12	13	14	15	16	17	18	19	20	21	24	28	29	30	31	32	33		
	SK	SK	SK	SK	SK	D	D	SK	SK	D/M	D	D	SK	M	SK	SK	SK	D	D	D	D	M	M		
<b>Pre-Conquest</b>																									
Portchester	2				2	2			4	2					70			2	1			1	5	9	100
Pevensey						1									1										2
Cheddar	3								1							1									5
Steyning	2								1	1														1	5
<b>total</b>	7				2	3			6	3					71	1		2	1			1	6	9	112
<b>Post-Conquest</b>																									
Portchester	4	1	3	1					3	4		1	2		9			1	1	1					31
Pevensey									1					1	2								1	1	6
Guildford															2		1				1	1			5
<b>total</b>	4	1	3	1					4	4		1	2	1	11	2	1	2	1		1	1	1	1	42
<b>Vatteville</b>																									
														1											1

Sheep Metatarsal	Codes																							Total	
See page 381	1	3	4	6	7	11	12	13	14	15	16	17	18	19	20	21	24	28	29	30	31	32	33		
	SK	SK	SK	SK	SK	D	D	SK	SK	D/M	D	D	SK	M	SK	SK	SK	D	D	D	D	M	M		
<b>Pre-Conquest</b>																									
Portchester	1								1					12			2					3	3	22	
Steyning									2															2	
<b>total</b>	1								3					12			2					3	3	24	
<b>Post-Conquest</b>																									
Portchester	1				1			1						1											4

Deer Metatarsal	Codes																							Total
See page 381	1	3	4	6	7	11	12	13	14	15	16	17	18	19	20	21	24	28	29	30	31	32	33	
	SK	SK	SK	SK	SK	D	D	SK	SK	D/M	D	D	SK	M	SK	SK	SK	D	D	D	D	M	M	
<b>Pre-Conquest</b>																								
Portchester Roe															6								1	7
Portchester Red							1								18							1	2	22
<b>total</b>							1								24							1	3	29
<b>Post-Conquest</b>																								
Portchester Red											1			1										2
Guildford Fallow																		1	1	1				3
<b>total</b>											1			1				1	1	1				5
<b>Vatteville</b>																								
Roe deer															3									3
Red deer	1		1					4			1			4		2								13
<b>total</b>	1		1					4			1			7		2								16



Appendix Vb15: Raw Data for Phalanx Butchery.  
 Key to Codes: Bold = Chopped, Normal = Cut.

Cattle Phalange I	Codes														Total
	1	2	4	5	6	8	9	12	13	14	15	16	17		
See page 381	SK	SK	SK	SK	SK	SK	SK	SK	SK	M	M	M	M	M	
<b>Pre-Conquest</b>															
Portchester		5	1		1	2		1	2						
Pevensey			1	1							1				
<b>total</b>		5	2	1	1	2		1	2		1			15	
<b>Post-Conquest</b>															
Portchester		2		1	2									5	
Pevensey				1			1			1		1	1	5	
Guildford	1													1	
<b>total</b>	1	2		2	2		1			1		1	1	11	

Appendix Vc

Table A: Absolute figures, by element and butchery activity, of the chop and cut marks on 1) cattle, 2) sheep, 3) pig and 4) deer bones.

<b>A1: Cattle</b>	Scapula chop cut	Humerus chop cut	Radius chop cut	Ulna chop cut	Pelvis chop cut	Femur chop cut	Tibia chop cut	Astrag chop cut	Calc chop cut	MC chop cut	MT chop cut	Total
Pre-Conquest												
Skinning							2	18	3	6 10	9 11	59
Disarticulation	40 6	69 24	29 7	43 3	102 4	19 5	16	21 2	11 7	5 2	5	420
De-Boning		7	1 2			3	1 13					27
Marrow		91	45			59	24			76	86	381
Brining	20											20
Consumption	2 6											8
	<b>62 12</b>	<b>160 31</b>	<b>75 9</b>	<b>43 3</b>	<b>102 4</b>	<b>81 5</b>	<b>41 15</b>	<b>21 20</b>	<b>11 10</b>	<b>87 12</b>	<b>100 11</b>	<b>915</b>
Post-Conquest												
Skinning							1	8	2	3 14	10 13	51
Disarticulation	53 4	51 6	25 6	27 1	57 4	59 9	11	19	6 3	2	4	347
De-Boning		2	3 4			1	2 5					17
Marrow		21	1			4					13	39
Brining	3											3
Consumption	1 12											13
	<b>57 16</b>	<b>72 8</b>	<b>29 10</b>	<b>27 1</b>	<b>57 4</b>	<b>64 9</b>	<b>13 6</b>	<b>19 8</b>	<b>6 5</b>	<b>5 14</b>	<b>27 13</b>	<b>470</b>
Vatteville												
Skinning										1		1
Disarticulation	8	9 1	10	9 1	34 2	7	8	2	1 1	1		94
De-Boning						5	1 12					18
Marrow		1	4									5
Brining												
Consumption	3											3
	<b>8 3</b>	<b>10 1</b>	<b>14</b>	<b>9 1</b>	<b>34 2</b>	<b>12</b>	<b>9 12</b>	<b>2</b>	<b>1 1</b>	<b>2</b>		<b>121</b>

<b>A2: Sheep</b>	Scapula chop cut	Humerus chop cut	Radius chop cut	Ulna chop cut	Pelvis chop cut	Femur chop cut	Tibia chop cut	Astrag chop cut	Calc chop cut	MC chop cut	MT chop cut	Total
Pre-Conquest												
Skinning							3			1	5	10
Disarticulation	2	6 14	2 3		9 2	5 2	4 1	1	1	1		53
De-Boning			4			1	2 12					19
Marrow		4	8				1			18	18	49
Consumption	1	1										2
	<b>2 1</b>	<b>11 14</b>	<b>10 7</b>		<b>9 2</b>	<b>6 2</b>	<b>7 16</b>	<b>1</b>	<b>1</b>	<b>19 1</b>	<b>19 5</b>	<b>133</b>
Post-Conquest												
Skinning							5	1	1	2	3	12
Disarticulation	8 3	12 8	2 3	1 1	16 4	23 2	7	1	1	1		93
De-Boning		1 1	2 3				2 3					12
Marrow											1	1
Consumption		4										4
	<b>8 3</b>	<b>17 9</b>	<b>4 6</b>	<b>1 1</b>	<b>16 4</b>	<b>23 2</b>	<b>9 8</b>	<b>1 1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>122</b>
Vatteville												
Skinning							1					1
Disarticulation	1	1 3	1		3	2 1	1					13
De-Boning		2					1 1					4
Marrow			1									1
<b>Total</b>	<b>1</b>	<b>1 5</b>	<b>2</b>		<b>3</b>	<b>2 1</b>	<b>2 2</b>					<b>19</b>

<b>A3: Pig</b>	Scapula chop cut	Humerus chop cut	Radius chop cut	Ulna chop cut	Pelvis chop cut	Femur chop cut	Tibia chop cut	Astrag chop cut	Calc chop cut	Total
Pre-Conquest										
Skinning							2			4
Disarticulation	11 7	4 9	1 2	9 2	18 1	2	2	1	1 3	73
De-Boning		2	1				2 2			7
Marrow		5				2				7
Brining										
Consumption	2	1								3
	<b>13 7</b>	<b>10 11</b>	<b>1 3</b>	<b>9 2</b>	<b>18 1</b>	<b>4</b>	<b>4 4</b>	<b>3</b>	<b>1 3</b>	<b>94</b>
Post-Conquest										
Skinning							1	2	1	4
Disarticulation	31 4	12 16	2	12 3	16 1	5 1	4 1	1	2	111
De-Boning		1 3	3			3	2 5			17
Marrow			1				1			2
Brining	2									2
Consumption	5 1									6
	<b>33 9</b>	<b>14 19</b>	<b>6</b>	<b>12 3</b>	<b>16 1</b>	<b>8 1</b>	<b>7 7</b>	<b>1 2</b>	<b>2 1</b>	<b>142</b>

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Table A: Absolute figures, by element and butchery activity, of the chop and cut marks on 1) cattle, 2) sheep, 3) pig and 4) deer bones.

<b>A3: Pig (Cont)</b>	Scapula chop cut		Humerus chop cut		Radius chop cut		Ulna chop cut		Pelvis chop cut		Femur chop cut		Tibia chop cut		Astrag chop cut		Calc chop cut		Total
Vatteville																			
Skinning													1		7				<b>8</b>
Disarticulation	7	4	10	22	2	5	5		11		1				1	2			<b>70</b>
De-Boning			2	1									2	5					<b>10</b>
Marrow																			
Brining	2																		<b>2</b>
Consumption		3	1																<b>4</b>
	<b>9</b>	<b>7</b>	<b>13</b>	<b>23</b>	<b>2</b>	<b>5</b>	<b>5</b>		<b>11</b>		<b>1</b>		<b>2</b>	<b>6</b>	<b>8</b>	<b>2</b>			<b>94</b>

<b>A4: Deer</b>	Humerus chop cut		Radius chop cut		Femur chop cut		Tibia chop cut		Astrag chop cut		MC chop cut		MT chop cut		Total
Pre-Conquest															
Skinning							1	1		4		2			<b>8</b>
Disarticulation	3	3	2	4	1		8		1		5			1	<b>28</b>
De-Boning				1											<b>1</b>
Marrow	3		6		2		11				38		28		<b>88</b>
	<b>6</b>	<b>3</b>	<b>8</b>	<b>5</b>	<b>3</b>		<b>20</b>	<b>1</b>	<b>1</b>	<b>4</b>	<b>43</b>	<b>2</b>	<b>28</b>	<b>1</b>	<b>125</b>
Post-Conquest															
Skinning										3				1	<b>4</b>
Disarticulation	5	2			10	4	8	1	6	1			3		<b>40</b>
De-Boning								2							<b>2</b>
Marrow	1				2		1				2		1		<b>7</b>
	<b>6</b>	<b>2</b>			<b>12</b>	<b>4</b>	<b>9</b>	<b>3</b>	<b>6</b>	<b>4</b>	<b>2</b>		<b>4</b>	<b>1</b>	<b>53</b>
Vatteville															
Skinning								1		22	1	1	1	14	<b>40</b>
Disarticulation	3	2	4		3		2		7	2			1		<b>24</b>
De-Boning							7								<b>7</b>
Marrow			4								2				<b>6</b>
	<b>3</b>	<b>2</b>	<b>8</b>		<b>3</b>		<b>9</b>	<b>1</b>	<b>7</b>	<b>24</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>14</b>	<b>77</b>

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Table B: Percentage of cut and chop marks, by period and butchery activity, for 1) cattle, 2) sheep, 3) pig and 4) deer

<b>B1: Cattle</b>	Total	% Chop	% Cut
<b>Pre-Conquest</b>			
Skining	59	25	75
Disarticulation	420	86	14
Marrow	381	100	
De-Boning	27	19	81
Brining	20	100	
Consumption	8	25	75
<b>Post-Conquest</b>			
Skining	51	25	75
Disarticulation	347	90	10
Marrow	39	100	
De-Boning	17	35	65
Brining	3	100	
Consumption	13	8	92
<b>Vatteville</b>			
Skining	1	100	
Disarticulation	94	95	5
Marrow	18	100	
De-Boning	5	33	67
Brining			
Consumption	3		100

<b>B2: Sheep</b>	Total	% Chop	% Cut
<b>Pre-Conquest</b>			
Skining	10	10	90
Disarticulation	53	57	43
Marrow	49	100	
De-Boning	19	16	84
Consumption	2	50	1
<b>Post-Conquest</b>			
Skining	12	25	75
Disarticulation	93	75	25
Marrow	1	100	
De-Boning	12	42	58
Consumption	4	100	
<b>Vatteville</b>			
Skining	1		100
Disarticulation	13	69	31
Marrow	1	100	
De-Boning	4	25	75
Consumption			

<b>B3: Pig</b>	Total	% Chop	% Cut
<b>Pre-Conquest</b>			
Skining	4		100
Disarticulation	73	66	34
Marrow	7	100	
De-Boning	7	29	71
Brining			
Consumption	3	100	
<b>Post-Conquest</b>			
Skining	4		100
Disarticulation	111	77	23
Marrow	2	100	
De-Boning	17	53	47
Brining	2	100	
Consumption	6	17	83
<b>Vatteville</b>			
Skining	8		100
Disarticulation	70	53	47
Marrow			
De-Boning			
Brining	2	100	
Consumption	4	25	75

<b>B4: Deer</b>	Total	% Chop	% Cut
<b>Pre-Conquest</b>			
Skining	8	13	87
Disarticulation	28	71	29
Marrow	88	100	
De-Boning	1		100
<b>Post-Conquest</b>			
Skining	4		100
Disarticulation	40	80	20
Marrow	7	100	
De-Boning	2		100
<b>Vatteville</b>			
Disarticulation	24	83	17
Skining	40	5	95
Marrow	6	100	
De-Boning	7	100	

Appendix Vc: Summary tables for the butchery data

Table C: Inter-period and inter-site variation, by taxa, in the percentage of butchery marks typical of different butchery techniques.

<b>C1: Cattle</b>	<b>Saxon</b>	<b>Norman</b>	<b>Vatteville</b>
Total	915	470	121
% Skining	6	11	1
% Disarticulation	46	74	78
% Marrow	42	8	3
% De-Boning	3	4	15
% Brining	2	1	
% Consumption	1	3	3

<b>C2: Sheep</b>	<b>Saxon</b>	<b>Norman</b>	<b>Vatteville</b>
Total	133	122	19
% Skining	7.5	10	5
% Disarticulation	40	76	68
% Marrow	37	1	5
% De-Boning	14	10	21
% Brining			
% Consumption	1.5	3	

<b>C3: Pig</b>	<b>Saxon</b>	<b>Norman</b>	<b>Vatteville</b>
Total	94	142	84
% Skining	4	3	83
% Disarticulation	78	78	10
% Marrow	7.5	1.5	
% De-Boning	7.5	12	
% Brining		1.5	2
% Consumption	3	4	5

<b>C4: Deer</b>	<b>Saxon</b>	<b>Norman</b>	<b>Vatteville</b>
Total	125	53	77
% Skining	6	8	31
% Disarticulation	22	75	52
% Marrow	71	13	8
% De-Boning	1	4	9

Table D: Percentage of chop and cut marks, by butchery activity, for 1) Pre-Conquest, 2) Post-Conquest and 3) Vatteville assemblages.

<b>D1: Saxon total</b>	<b>total</b>	<b>% Chop</b>	<b>% Cut</b>
Skining	81	21	79
Disarticulation	574	80	20
Marrow	525	100	
De-Boning	54	19	81
Brining	20	100	
Consumption	13	46	54
Total	1267	82	18

<b>D2: Norman total</b>	<b>total</b>	<b>% Cut</b>	<b>% Chop</b>
Skining	71	77	23
Disarticulation	591	16	84
Marrow	49		100
De-Boning	48	58	42
Brining	5		100
Consumption	23	74	26
Total	787	24	76

<b>D3: Vatteville total</b>	<b>total</b>	<b>% Cut</b>	<b>% Chop</b>
Skining	50	94	6
Disarticulation	201	23	77
Marrow	12		100
De-Boning	29	52	48
Brining	2		100
Consumption	7	86	14
Total	301	40	60

Table E: Percentage of marks, typical of different butchery activities, for 1) Saxon, 2) Norman and 3) the Vatteville assemblages.

<b>E1: Saxon total</b>	<b>total</b>	<b>%</b>
Skining	81	6
Disarticulation	574	45
Marrow	525	41
De-Boning	54	4
Brining	20	2
Consumption	13	1
Total	1267	99

<b>E2: Norman total</b>	<b>total</b>	<b>%</b>
Skining	71	9
Disarticulation	591	75
Marrow	49	6
De-Boning	48	6
Brining	5	1
Consumption	23	3
Total	787	100

<b>E3: Vatteville total</b>	<b>total</b>	<b>%</b>
Skining	50	17
Disarticulation	201	67
Marrow	12	4
De-Boning	29	10
Brining	2	0.6
Consumption	7	1.4
Total	301	100

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Table F: Frequency of Cleaved vertebrae 1) cattle-Size and 2) sheep-size.

F1: Cattle-Size	Atlas		Axis		Cervical		Thoracic		Lumbar		Total	n Cleaved	% Cleaved
	split	other	split	other	split	other	split	other	split	other			
Saxon	3	5	1	16	4	37	5	61	2	52	186	15	8
Norman	6	2	2	10	8	12	20	45	4	22	131	40	31
Vatteville	2	2	2	9	4	8	0	5	7	14	53	15	28

F2: Sheep-Size	Atlas		Axis		Cervical		Thoracic		Lumbar		Total	n Cleaved	% Cleaved
	split	other	split	other	split	other	split	other	split	other			
Saxon	0	1	0	1	7	4	1	19	3	21	57	11	19
Norman	3	3	1	10	4	5	4	23	11	28	92	23	25
Vatteville	0	2	0	6	3	9	0	15	0	27	62	3	5

**Appendix VI:**  
**T-tests for 1) Cattle, 2) Sheep, 3) Pig and 4) Rabbit**  
 \* = significant difference \*\* = highly significant

1a) T-test for Cattle Metatarsal (GL)

DATE	n	Mean	Std. Deviation	Std. Error Mean	Sig.
E/M Saxon	78	190.964	10.641	1.205	<b>0.000**</b>
L Saxon	68	183.151	8.232	.998	
Norman	69	181.301	8.938	1.076	<b>0.210</b>
Late Saxon	68	183.151	8.232	.998	
Norman	69	181.301	8.938	1.076	<b>0.001*</b>
Angevin	23	173.796	9.430	1.966	

1b) T-tests for Cattle Metatarsal (SD)

DATE	n	Mean	Std. Deviation	Std. Error Mean	Sig.
E/M Saxon	57	31.7491	3.7963	.5028	<b>0.000**</b>
L Saxon	59	29.1678	2.8589	.3722	
Norman	64	29.1625	2.9775	.3722	<b>0.992</b>
Late Saxon	59	29.1678	2.8589	.3722	
Norman	64	29.1625	2.9775	.3722	<b>0.431</b>
Angevin	21	28.5571	3.2429	.7077	

1c) T-tests for Cattle Metatarsal (GL)

DATE	n	Mean	Std. Deviation	Std. Error Mean	Sig.
E/M Saxon	71	218.841	11.868	1.408	<b>0.000**</b>
L Saxon	42	204.110	11.721	1.809	
Norman	19	203.142	9.207	2.112	<b>0.752</b>
Late Saxon	42	204.110	11.721	1.809	
Norman	19	203.142	9.207	2.112	<b>0.420</b>
Angevin	53	200.753	11.580	1.591	

1d) T-tests for Cattle Metatarsals (SD)

DATE	n	Mean	Std. Deviation	Std. Error Mean	Sig.
E/M Saxon	58	27.378	2.963	.389	<b>0.000**</b>
L Saxon	54	24.194	2.565	.349	
Norman	17	24.006	1.705	.414	<b>0.778</b>
Late Saxon	54	24.194	2.565	.349	
Norman	17	24.006	1.705	.414	<b>0.042</b>
Angevin	50	22.922	1.913	.271	

2a) T-tests for Sheep Metacarpals (GL)

DATE	n	Mean	Std. Deviation	Std. Error Mean	Sig.
E/M Saxon	119	126.445	7.507	.688	<b>0.017</b>
L Saxon	55	123.496	7.539	1.017	
Norman	16	118.762	7.967	1.992	<b>0.032</b>
Late Saxon	55	123.496	7.539	1.017	
Norman	16	118.762	7.967	1.992	<b>0.170</b>
Angevin	43	115.872	6.774	1.033	

2b) T-tests for Sheep Metacarpals (SD)

DATE	n	Mean	Std. Deviation	Std. Error Mean	Sig.
E/M Saxon	97	14.160	1.025	.104	<b>0.437</b>
L Saxon	71	14.034	1.043	.124	
Norman	21	13.343	1.038	.227	<b>0.009</b>
Late Saxon	71	14.034	1.043	.124	
Norman	21	13.343	1.038	.227	<b>0.342</b>
Angevin	54	13.089	1.031	.140	

2c) T-tests for Sheep Metatarsals (GL)

DATE	n	Mean	Std. Deviation	Std. Error Mean	Sig.
E/M Saxon	114	136.574	8.307	.778	<b>0.000**</b>
L Saxon	42	130.210	8.459	1.305	
Norman	18	121.844	6.528	1.539	<b>0.000**</b>
Late Saxon	42	130.210	8.459	1.305	
Norman	18	121.844	6.528	1.539	<b>0.046</b>
Angevin	30	126.327	7.767	1.418	

2d) T-tests for Sheep Metatarsals (SD)

DATE	n	Mean	Std. Deviation	Std. Error Mean	Sig.
E/M Saxon	106	12.689	.724	7.036E-02	<b>0.000**</b>
L Saxon	64	11.933	1.199	.150	
Norman	23	11.543	.723	.151	<b>0.148</b>
Late Saxon	64	11.933	1.199	.150	
Norman	23	11.543	.723	.151	<b>0.125</b>
Angevin	38	11.247	.720	.117	

2e) T-tests for Sheep Horn-cores

	DATE	n	Mean	Std. Deviation	Std. Error Mean	Sig.
FP	Saxon	12	51.75	3.55	1.02	<b>0.594</b>
	Norman	11	50.64	6.10	1.84	
TP	Saxon	15	29.60	3.74	.97	<b>0.195</b>
	Norman	13	31.77	4.88	1.35	
BA	Saxon	19	39.58	10.46	2.40	<b>0.035</b>
	Norman	14	47.14	8.67	2.32	
BB	Saxon	19	27.84	8.85	2.03	<b>0.006</b>
	Norman	14	36.64	7.83	2.09	



3a) T-tests for Pig M1 (Saxon and Norman)

	DATE	n	Mean	Std. Deviation	Std. Error Mean	Sig.
CL	Saxon	60	14.783	.905	.117	<b>0.807</b>
	Norman	20	14.840	.859	.192	
WA	Saxon	61	10.079	.538	6.888E-02	<b>0.660</b>
	Norman	20	10.020	.435	9.722E-02	
WP	Saxon	61	10.875	.557	7.135E-02	<b>0.110</b>
	Norman	19	10.626	.676	.155	
WC	Saxon	62	9.110	.437	5.546E-02	<b>0.070</b>
	Norman	19	8.900	.428	9.823E-02	

3b) T-tests for Pig M1 (Norman and Angevin)

	DATE	n	Mean	Std. Deviation	Std. Error Mean	Sig.
CL	Angevin	98	14.843	.760	7.677E-02	<b>0.988</b>
	Norman	20	14.840	.859	.192	
WA	Angevin	97	9.867	.581	5.898E-02	<b>0.238</b>
	Norman	20	10.020	.435	9.722E-02	
WP	Angevin	98	10.580	.613	6.190E-02	<b>0.765</b>
	Norman	19	10.626	.676	.155	
WC	Angevin	98	8.881	.514	5.189E-02	<b>0.878</b>
	Norman	19	8.900	.428	9.823E-02	

3c) T-tests for Pig M2 (Saxon and Norman)

	DATE	n	Mean	Std. Deviation	Std. Error Mean	Sig.
CL	Saxon	17	18.359	.815	.198	<b>0.828</b>
	Norman	87	18.434	1.387	.149	
WA	Saxon	17	12.576	.693	.168	<b>0.558</b>
	Norman	90	12.697	.788	8.307E-02	
WP	Saxon	17	12.894	.715	.174	<b>0.166</b>
	Norman	90	13.201	.850	8.964E-02	
WC	Saxon	17	11.447	.639	.155	<b>0.893</b>
	Norman	90	11.470	.643	6.783E-02	

3d) T-tests for Pig M2 (Norman and Angevin)

	DATE	n	Mean	Std. Deviation	Std. Error Mean	Sig.
CL	Angevin	17	18.359	.815	.198	<b>0.894</b>
	Norman	94	18.326	.962	9.922E-02	
WA	Angevin	17	12.576	.693	.168	<b>0.911</b>
	Norman	102	12.553	.813	8.051E-02	
WP	Angevin	17	12.894	.715	.174	<b>0.878</b>
	Norman	104	12.925	.772	7.572E-02	
WC	Angevin	17	11.447	.639	.155	<b>0.367</b>
	Norman	101	11.302	.607	6.041E-02	

4a) T-tests for British and Spanish Rabbit femora

	TYPE	n	Mean	Std. Deviation	Std. Error Mean	Sig.
GL	British	24	80.721	2.503	.511	<b>0.01</b>
	Spanish	18	77.433	3.256	.767	
BP	British	16	15.750	.639	.160	<b>0.363</b>
	Spanish	17	15.500	.887	.215	
SD	British	26	6.634	.460	9.013E-02	<b>0.000**</b>
	Spanish	18	6.056	.397	9.366E-02	
BD	British	18	13.628	.368	8.662E-02	<b>0.000**</b>
	Spanish	18	12.600	.761	.179	

4b) T-tests for British and Spanish rabbit Tibiae

	TYPE	n	Mean	Std. Deviation	Std. Error Mean	Sig.
GL	British	21	89.967	2.253	.492	<b>0.649</b>
	Spanish	17	89.447	4.548	1.103	
BP	British	11	14.482	.453	.137	<b>0.002*</b>
	Spanish	18	13.578	.773	.182	
SD	British	22	5.484	.311	6.624E-02	<b>0.000**</b>
	Spanish	16	5.056	.261	6.517E-02	
BD	British	29	12.045	.593	.110	<b>0.000**</b>
	Spanish	23	10.930	.591	.123	

4c) T-tests for British and Spanish Rabbit Scapulae

	TYPE	n	Mean	Std. Deviation	Std. Error Mean	Sig.
SLC	British	10	4.970	.142	4.485E-02	<b>0.000**</b>
	Spanish	8	4.400	.288	.102	
GLP	British	10	9.080	1.160	.367	<b>0.171</b>
	Spanish	6	8.383	.172	7.032E-02	
BG	British	8	7.350	.363	.128	<b>1.000</b>
	Spanish	6	7.350	.274	.112	

4d) T-tests for British and Spanish Rabbit Humeri

	TYPE	n	Mean	Std. Deviation	Std. Error Mean	Sig.
GL	British	24	61.479	2.984	.609	<b>0.109</b>
	Spanish	10	59.750	2.193	.694	
SD	British	27	4.140	.464	8.931E-02	<b>0.026</b>
	Spanish	14	3.829	.267	7.143E-02	
BD	British	27	9.080	.499	9.609E-02	<b>0.000**</b>
	Spanish	15	8.047	.325	8.387E-02	

4e) T-tests for British and Spanish Rabbit Radii

	TYPE	n	Mean	Std. Deviation	Std. Error Mean	Sig.
GL	British	13	57.992	1.751	.486	<b>0.780</b>
	Spanish	10	58.220	2.112	.668	
BP	British	8	6.227	.100	3.544E-02	<b>0.001*</b>
	Spanish	14	5.807	.284	7.593E-02	
SD	British	15	3.174	.364	9.401E-02	<b>0.027</b>
	Spanish	12	2.900	.195	5.641E-02	
BD	British	8	5.973	.225	7.955E-02	<b>0.306</b>
	Spanish	9	5.833	.304	.101	

## Appendix VII

### 'How ye shall breeke an hert' Boke of St Albans' (Brewer, 1992)

And for to speke of the hert, while we thynke oon,  
My chylde, fyrste ye shall serve when he shall be undoon (cut up),  
And that is for to say, or ever ye him dyght (prepare),  
Within his owne hornys to lay hym upright.  
At th'essay (breast) cut him, that lordys may see  
Anoon fat or leen wheder that he bee.  
Than cut of[f] the coddis (testicles) the bely even froo,  
Or ye begynne hym to flee (flay) and then shall ye goo,  
At chaulis (jaws) to begynne, assone as ye may,  
And slyttith hym downe even to th'assay,  
And fro th'assay even downe the bele shall ye slitt  
To the pissill (penis), ther the codde was away kytt.  
Then slit the lyfte legge even first before  
And then the lyfte legge byhynde, or ye do moore,  
And thees oder legges uppon the right syde  
Uppon thesame maner slyt ye that tyde.  
To go to the chekys (cheeks) looke ye be prest,  
And so fleeth hym downe even to the brest,  
And so fleeth hym forth right unto th'essay,  
Even to the place where the codde as cut away,  
Then fleeth thesame wyse all that oder syde,  
Bot let the tayll of the beest still ther oon byde.  
Then shall ye hym undo, my chylde, I yow rede,  
Ryght uppon his awne skynne, and lay hit on brede (bread).  
Take heede of the cuttyng of thesame dere,  
And begynne fryst to make the erbere (gullet or first stomach),  
Then take owt the shulderis, and slyttith anoon  
**The baly to the syde from the corbyn (pelvis) bone.**

**That is corbyn's (raven) fee**

At the deeth he will be.

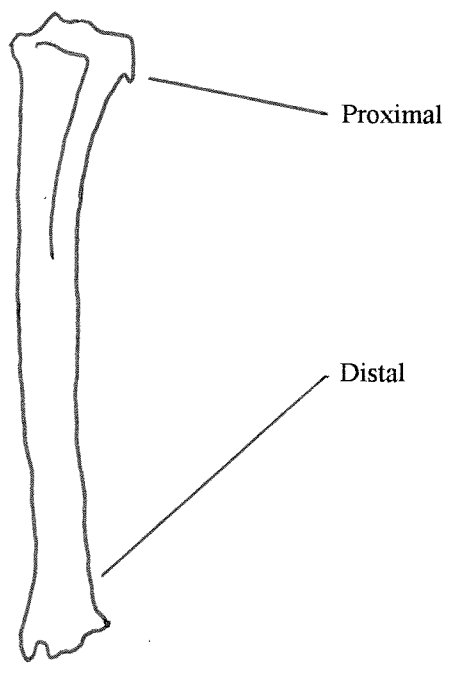
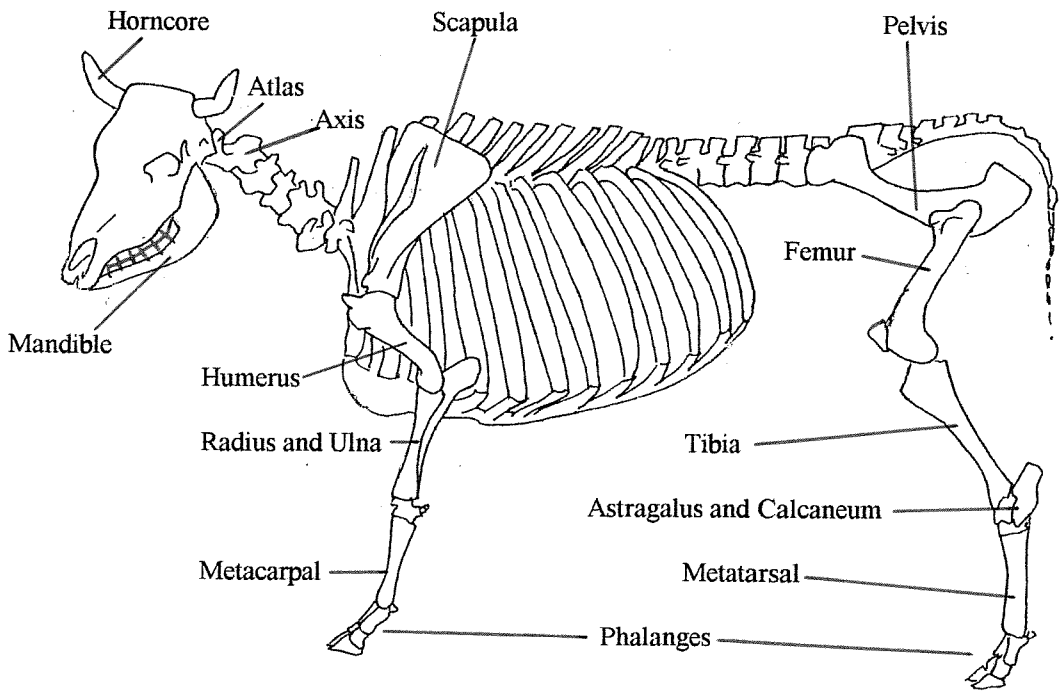
Then take owt the sewet, that hit be not lafte,  
For that, my chylde, is good for lechecraft (remedy).  
Than put thyn honde softly under the brest bone,  
And ther shall ye take owt th'erber anoon.  
Than put owt the paunche, and from the paunche taas (take)  
Away wightly (nimble) the rate sich as he haas.  
Hoole (make a hole) it with a fyngre, do as I yow kenne (teach)  
And with the bloode and the grece fillith hit thenne.  
Looke threde that ye have and nedell therto  
For to sew it with all, or ye moore do.  
The smale guttis than ye shall owt pyt,  
From hem take the maw (stomach) foryet not it.  
Than take owt the lever (liver) and lay hit on the skynne,  
And after that the bledder withowt moore dynne.  
Then dresse the nombles (intestines) first, that ye reke.  
Downe the avauncers (flesh that covers the gullet) kerve, that  
cleven to the necke,  
And downe with the bolthrote (larynx) put them anoon,  
And kerve up the flesh ther up to hach boon (backbone),  
And so forth the fillittis (fillets) that ye up arere (raise)  
That fallith to the nombles and shall be ther  
With the neres (kidneys) and also sewit that ther is  
Even to the mydryf that uppon hym is.  
Than take downe the mydrif from the sides hoote,  
And heve up the nombles hoole by the boll throte.  
In thyn hond than them holde, and looke and se  
That allthat longith them to togeder that they be,  
Than take them to thy broder (comrade) to holde for triste (in  
trust)

Whyllis throw them dowbyst (prepare) and dightis, as the list (as  
you please),  
Than [take] away the lyghtis (lungs), and oon the skynne them lay  
To abyde the querre (parts given to the hounds), my chylde, I yow  
pray.

Than shall ye slyt the slough (Membrane covering the heart), ther  
as the hert lith,  
And take away the eres (auricles of the heart) from it and by slyth  
(skilfulness),  
For sich heris hath his hert ay it uppon,  
As men may se in the beest when he is undon.  
And in the myddis of the hert a boon shall ye fynde,  
Looke ye yeve hit to a lorde and childe be kynde,  
For hit is kynde (good for) for mony malydies,  
And in the myddis of the hert evermore it lies.  
Than shall ye kyt the skyrtis (lips, mouth or nose) the teeth even  
fro,  
And after the ragge boon (sternum) cuttis even also  
The forchis and the sydes even betwene,  
And looke that yowre knyfe[s] ay whettyd bene.  
Than turne up the forchis, and frote (rub) them with bloode  
For to save the grece, so do men of goode.  
Than shall ye cut the nek the sydes even fro,  
And the hede fro the nek cuttyrh also,  
The toong, the brayn, the paunch and the necke.  
When thay wash[en] be weell with water of the becke (brook),  
The smale guttis to the lightis, in the derys  
Above the hert of the beest when throw them reris,  
With all the blode that ye may gete and wyn,  
All togeder shall be take and layde oon the skyn  
To geve yowre houndes. That callid is, I wis,

The quyrrre, above the skyn for it etyn is.  
**And who dightis hym so by my counsayle**  
**Shall have the left shuder (shoulder) fro his travayle,**  
**And the righth shulder, where so ever he bee,**  
**Yeveth to the foster, for that is his fee,**  
And the lyver also of thesame beest  
To the fosterys knave yeveth at the leest.  
The nombles trussith in the skynne, and hardell (tie with branches)  
hem fast,  
The sides and forches togeder, that thay last,  
With th'ender legges, be doon so it shall.  
Then bryng it hoom and the skynne with all  
The nombles and the hornes. At the lordis yate  
Then boldely blowthe price tharat  
Yowre play for to mynne (record your hunting)  
Or that ye come inne.

# Glossary





## Bibliography

- Albarella, U. 1995. Depressions on sheep horncores. In *Journal of Archaeological Science* 22, 699-704.
- Albarella, U. 1997a. Size, power, wool and veal: zooarchaeological evidence for late medieval innovations. In (De Boe, G. and Verhaeghe, F., eds.) *Environment and Subsistence in Medieval Europe*. Papers of the Medieval Europe Brugge 1997 Conference Volume 9. I.A.P. Rapporten 9: Zellik.
- Albarella, U. 1997b. Shape variation of cattle metapodials; Age, Sex or Breed? Some examples from Medieval and Post-medieval sites. *Anthropozoologica* 25-26, 37-47.
- Albarella, U. 1999. *The late Saxon and early medieval mammal and bird bones excavated in 1995 from Mill Lane, Thetford, Norfolk*. Ancient Monuments Laboratory Report 5/99.
- Albarella, U., Beech, M., and Mulville, J. 1997. *The Saxon, Medieval and Post-Medieval mammal and bird bones excavated 1989-1991 from Castle Mall, Norwich (Norfolk)*, Ancient Monuments Laboratory Report 00/97.
- Albarella, U. and Davis, S. 1994. *The Saxon and Medieval Animal Bones Excavated 1985-1986 from West Cotton, Northamptonshire*. Ancient Monuments Laboratory Report 17/94.
- Albarella, U. and Davis, S. 1996. Mammals and Birds from Launceston Castle, Cornwall: decline in status and rise in agriculture. *Circaea* 12, 1-156.
- Allison, E. 1988. The bird bones. in (Daniels, R. ) the Anglo-Saxon monastery at Church Close, Hartlepool, Cleveland. *The Archaeological Journal* 145, 158-210.
- Altuna, J. 1976. Les Mamiferos del Yacimiento Prehistorico de Tito Bustillo (Asturias). In *Excavaciones en la Cueva de Tito Bustillo (Asturias)*. Instituto de Estudios Asturianos. Trabajos.
- Andrews, P. 1995. *Excavations at Redcastle Furze, Thetford 1988-9*. East Anglian Archaeology, Report No 72. Norfolk Museum Service.
- Appadurai, A. 1986 (ed.) *The Social Life of Things: Commodities in Cultural Perspective*. Cambridge University Press: Cambridge
- Armitage, P. L. 1974. Mammalian Remains from the Roman and Saxo-Norman contexts. In (Jones, D. M.) *Excavations at Billingsgate Buildings, Lower Thomas Street, London*. *London and Middlesex Archaeological Society Special Paper No 4*. 149-146

Armitage, P. L. n.d. *The Mammalian Remains from the Roman, Medieval and Early Modern Levels at St Magnus, City of London*. Unpublished report

Armitage, P.L. 1999. Animal Bones. In (Soden, I.) A story of urban regeneration: excavation in advance of development off St Peter's Walk, Northampton 1994-7 *Northampton Archaeology* **28**, 61.

Armitage, P. L. and Clutton-Brock, J. 1976. A system for classification and description of horn cores of cattle from archaeological sites. *Journal of Archaeological Science* **3**, 329-348.

Astill, G. 1991. Towns and Town hierarchies in Saxon England. *Oxford Journal of Archaeology* **10**, 95-114. Blackwell: Oxford.

Astill, G. 1997. An archaeological approach to the development of agricultural technologies in Medieval England. In (Astill, G. and Langdon, J., eds.) *Medieval Farming and Technology, the Impact of Agricultural Change in Northwest Europe*. 193-225. Brill: New York.

Astill, G. and Grant, A. eds. 1988. *The Countryside in Medieval England*. Blackwell: Oxford.

Astill, G. and Langdon, J., eds. 1997. *Medieval Farming and Technology, the Impact of Agricultural Change in Northwest Europe*. Brill: New York.

Aston, M. 1988. Ed. *Medieval Fish, Fisheries and Fishponds in England*. British Archaeological Reports, British Series **182**. Oxford.

Attenborough, F. L. 1922. *Laws of the Earliest English Kings*. Cambridge

Audoin-Rouzeau, F. 1986. *Ossements animaux du Moyen Age au monastère de La Charité-sur-Loire*. Publications de la Sorbonne: Paris.

Audoin-Rouzeau, F. 1987. Medieval and Early Modern Butchery: evidence from the Monastery of La Charité-sur-Loire (Nièvre). *Food and Foodways* **2**, 31-48. Harwood.

Audoin-Rouzeau, F. 1989. *La faune de la rue de Lutèce à Paris*. Unpublished Manuscript.

Audoin-Rouzeau, F. 1991. *La Taille du Boeuf Domestique en Europe de l'Antiquité aux Temps Modernes*. Fiches d'Ostéologie Animale pour l'Archéologie. Série B: Mammifères **2**. Centre de Recherches Archéologiques du CNRS.

Audoin-Rouzeau, F. 1993. *Hommes et Animaux en Europe de l'époque antique aux Temps Modernes*. Corpus de données archéozoologiques et historiques. D.D.A., **16** CNRS.

- Audoin-Rouzeau, F. 1997. Les ossements du Cheptel médiéval. *Ethnozootechnie* **59**, 67-78.
- Ayers, B. 1987. *Excavations at St-Martin-at-Palace Plain, Norwich 1981*. East Anglian Archaeological Report **37**. Norfolk Archaeological Unit.
- Baker, P. 1993. Le rôle de la chasse comme moyen de subsistance durant le haut Moyen Âge dans le nord d'Italie: une comparaison des sources zooarchéologiques et historiques. *Exploitation des Animaux Sauvage a Travers le Temps*. 505-516. XIIIe Rencontres Internationale d'Archéologie et d'Histoire d'Antibes, IVe Colloque international de l'homme et l'animal, Société de Recherche Interdisciplinaire.
- Baker, P. and Clark, G. 1993. Archaeozoological evidence for Medieval Italy: A critical review of the present state of research. In *Archeologia Medievale* **20**, 45-77
- Baker, P. 1998. *The vertebrate remains from Scole-Dickleburgh, excavated in 1993 (Norfolk and Suffolk) A140 and A143 road improvement project*. Ancient Monuments Laboratory Report 29/98.
- Barker, P. and Lawson, J. 1971. A pre-Norman field system at Hen Domen, Montgomery. *Medieval Archaeology* **15**, 58-72.
- Barlow, F. 1955. *The Feudal Kingdom of England 1042-1216*. Longmans: London.
- Barlow, F. 1966. The effects of the Norman Conquest. In (Whitelock, D., Douglas, D. C., Lemmon, C. H., and Barlow, F.) *The Norman Conquest: its settings and impact*, 123-65. Eyre & Spottiswoode: London.
- Barraclough, G. 1986. *Concise Atlas of World History*. Times Books: London
- Bartlett, R. 2000. *England Under the Norman and Angevin Kings 1075-1225*. Clarendon Press: Oxford
- Bates, D. 1982. *Normandy before 1066*. Longman: London.
- Baxter, I. L. 1993 *Bonnors Lane Leicester. The Human and Animal Bones*. Leicester Archaeological Unit. Leicester County Council. Museums, Arts and Records Service.
- Bedwin, O. 1976. The Animal Bones. In (Freke, D. J.) Further excavations in Lewes, 1975. *Sussex Archaeological Collections* **114**, 176-193.
- Beech, M. 1986. The Animal Bones. In (Holgate, R.) Excavations at the Late Prehistoric and Romano-British Enclosure Complex at Carne's Seat, Goodwood, West Sussex. *Sussex Archaeological Collections* **125**, 35-51.
- Bennett, H. S. 1971. *Life on the English Manor: A study of Peasant Conditions 1150-1400*. Cambridge University Press: Cambridge.

Bennett, K. 1983. Devensian late glacial and Flandrian vegetational history at Hockham Mere, Norfolk, England. *New Phytologist* **95**, 452-87.

Beresford, G. 1987. *Goltho: the development of an early medieval Manor c.850-1150*. English Heritage Archaeological Report: London

Beresford, M. 1967. *New towns of the Middle Ages: Town Plantation in England, Wales and Gascony*. Lutterworth Press: London

Berg, D. 1993. Animal Bones from The Anglo-Saxon Deposits. In (Field, N. and Leahy, K.) Prehistoric and Anglo-Saxon Remains at Nettleton Top, Nettleton. *Lincolnshire Archaeology* **28**.

Bergman, C. 1847. Über die Verhältnisse der Warmekonomie der Thiere zu ihrer Grosse. *Gottingen Studien* **3**, 595-705.

Berke, H. 1997. Zur entwicklung der rinderhaltung und rinderzucht vom 1.-13. JHRH. in Köln. In *Anthropozoologica* Nos. **25-26**, 405-412.

Biddick, K. 1984a. Field Edge, Forest Edge: Early Medieval Social Change and Resource Allocation. In (Biddick, K. ed.) *Archaeological Approaches to Medieval Europe*. 105-118. Kalamazoo.

Biddick, K. 1984b. Pig Husbandry on the Peterborough Abbey estate from the twelfth to the fourteenth century AD. In (Grigson, C. and Clutton-Brock, J., eds.) *Animals in Archaeology 4 Husbandry in Europe*. 165-178. British Archaeological Reports, International Series **227**: Oxford

Biddle, M. 1961/2. Medieval Village of Seacourt, Berkshire. *Oxoniensia* **26-27**, 70-201

Birell, J. 1982. Who poached the Kings deer? A study in 13<sup>th</sup> century crime. *Midland History*, **7**, 9-25

Blaauw, W. H 1847. Remarks on the Nonae of 1340, as relating to Sussex. *Sussex Archaeological Collections* **1**, 58-64.

Black, M. 1998. *The Medieval Cookbook*. British Museum Press: London.

Bliese, J. R. E. 1991. The Courage of the Normans. A comparative study of Battle Rhetoric. In *Nottingham Medieval Studies* **35**. 1-27

Boessneck, J. 1973. *Die Tierknochenfunde aus dem Kabirenheiligtum bei Theben*. Munich: Institut für Palaeoanatomie, Domestikationsforschung und Geschichte der Tiermedizin.

Bökönyi, S. 1971. Angaben zum frühholozänen vorkommen des Damhirsches, Cervus (Dama) dama (Linné, 1758), in Europa. *Säugetierk. Mitt* **19**, 206-217.

- Bökönyi, S. 1986. Animal remains from the Roman villa of San Potito-Ovindoli (L'Aquila) 1983-1984. A preliminary report. In *Acta Archaeologica Academiae Scientiarum Hungaricae*, **38**, 89-91. Akadémiai Kiadó, Budapest.
- Bökönyi, S. 1989. Animal remains. In (Gimbutas, M. and Elster, E. S., eds.) *Excavations at Sitagroi: a prehistoric village in north-east Greece*, Vol I. Los Angeles, California. Institute of Archaeology, University of California, 63-132.
- Bond, C. J. 1988. Monastic Fisheries. In (Aston, M., ed.) *Medieval Fish, Fisheries and Fishponds in England (I)* 69-105. British Archaeological Report, British Series **182**: Oxford.
- Bond, C. J. and Chambers, R.A. 1988. Oxfordshire Fishponds. In (Aston, M., ed.) *Medieval Fish, Fisheries and Fishponds in England (II)* 353-370. British Archaeological Report, British Series **182**: Oxford.
- Bond, J. 1988. Rabbits: The case for their Medieval introduction into Britain. *The Local Historian* **18**, 53-57.
- Bond, J. M. 1995. Animal Bone from the Early Saxon Sunken-Featured Buildings and Pits. In (Rickett, R.) *The Anglo-Saxon Cemetery at Spong Hill, North Elmham, Part VII: the Iron Age, Roman and Early Saxon Settlement*. East Anglian Archaeology Report **73**.
- Bond, J. and O'Connor, T. 1999. Bones from Medieval Deposits at 16-22 Coppergate and Other Sites in York. *The Archaeology of York. The Animal Bones* 15/5. York Archaeological Trust.
- Bossard, C. 1984a L'alimentation. In (Pesez, J-M., ed.) *Brucato, histoire et archeologie d'un habitat medieval en Sicile*, Collection de l'Ecole Francais de Rome, **78** (2), 749-993. Rome.
- Bossard-Beck, C. 1984b Le mobilier ostéologique et botanique. In (Pesez, J-M., ed.) *Brucato: histoire et archéologie d'un habitat médéival en Sicile*, Collection de l'Ecole Français de Rome **78** (2), 615-671. Rome.
- Bourdillon, J. 1979. The Animal Bones. In (Walker, J. S. F.) *Excavations in Medieval Tenements on the Quilters Vault Site in Southampton. Proceedings of the Hampshire Field Club Archaeological Society* **35**, 183-216.
- Bourdillon, J. 1988. Countryside and Town: The animal resources of Saxon Southampton. In (Hooke, D., ed.) *Anglo-Saxon Settlements*. 373-392. Blackwell: Oxford.
- Bourdillon, J. 1992. *Animal Bones from Late Saxon sites in Winchester, Hampshire*. Ancient Monuments Laboratory Report 42/92.

- Bourdillon, J. 1993. Animal Bones. In (Graham, A. H. and Davies, S. M.) *Excavations in Trowbridge, Wiltshire, 1977 and 1986-1988: The Prehistoric, Saxon and Saxo-Norman Settlements and the Anarchy Period Castle*. 127-136. Wessex Archaeological Report 2.
- Bourdillon, J. and Coy, J. 1980. The animal remains. In (Holdsworth, P.) *Excavations at Melbourne Street, Southampton 1971-76. Council for British Archaeology Research Report 33*. 79-120. London.
- Brain, C. K. 1967. Hottentot food remains and their bearing on the interpretation of fossil bone assemblages. *Scientific Papers in the Namib Desert Research Station* 39, 13-22.
- Bramwell, D. 1975a. The Bird Bones. In (Platt, C. and Coleman-Smith, R.) *Excavations in Medieval Southampton 1953-1969 Vol. I: the excavation reports*. 340-341. Leicester University Press: Leicester.
- Bramwell, D. 1975b. Bird remains from Medieval London. *The London Naturalist* 54, 15-20.
- Bramwell, D. 1976. Report on the Bird Bones from Walton Aylesbury. In (Farley, M.) *Saxon and Medieval Walton, Aylesbury Excavations 1973-74. Records of Buckinghamshire* 20 (2). 287-288.
- Bramwell, D. 1977. Bird Bone. In (Clarke, H. and Carter, A.) *Excavations in Kings Lynn 1963-70*. 399-402. Society for Medieval Archaeology, Monograph Series 7.
- Bramwell, D. 1980. Identification and Interpretation of Bird Bones. In (Wade-Martins, P.) *North Elmham Park. Vol II*. 409-410. East Anglian Archaeology, Report 9. Norfolk Museum Service.
- Brewer, E. 1992. *Sir Gawain and the Green Knight: sources and analogues*. Cambridge University Press: Cambridge.
- Britnell, R. H. 1993 *The Commercialisation of English Society 1000-1500*. Cambridge University Press: Cambridge.
- Brodribb, A. C., Hands, A. R. and Walker, D. R. 1972. *Excavations at Shakenoak III*. Privately published: Oxford.
- Brown, D. 1997a. The distribution of North French Medieval Pottery in Southampton. In (Delestre, X. and Woodcock, A.) *Proximus*, Publication of the Archaeological Round Table, Dieppe 17<sup>th</sup> and 18<sup>th</sup> September, 161-169.
- Brown, D. 1997b. The Social Significance of Imported Medieval Pottery. In (Cumberpatch, C. G. and Blinkhorn, P.W., eds.) *Not so Much A Pot, More A Way Of Life*. Oxbow Monograph 83.

- Brown, M. A. 1998. The Feast Hall in Anglo-Saxon Society. In (Carlin, M. and Rosenthal, J. T.) *Food and Feasting in Medieval Europe*. 1-15. Hambledon Press: London.
- Brown, R. A. 1969. An historian's approach to the origins of the castle in England. *Archaeological Journal* **126**, 131-48.
- Brown, R.A. 1973. *Origins of English Feudalism: Historical Problems – Studies and Documents* **19**. Allen and Unwin: London
- Brown, R. A 1984. *The Norman Conquest*. Documents of Medieval History **5**. Arnold: London.
- Buckland-Wright, J.C. 1987. Animal Bones. In (Sparey-Green, C., Davies, S. M. and Ellison, A. eds.) *Excavations at Poundbury, Dorchester, Dorset 1966-182 Vol I: the Settlement*. Dorset Natural History and Archaeology Society Monograph Series **7**. Trust for Wessex Archaeology.
- Bull, M. 1998. *Knightly Piety and the Lay Response to the First Crusades: the Limousin and Gascony, c.970-c.1130*. Clarendon Press: Oxford.
- Cadman, G. 1983. Raunds 1977-1983: an excavation summary. *Medieval Archaeology* **27**, 107-22.
- Campbell, J. ed. 1991. *The Anglo-Saxons*. Penguin: London
- Caplan, P. 1997. Approaches to the study of food, health and identity. In (Caplan, P. ed) *Food, Health and Identity*. 1-32. Routledge: London.
- Carlin, M. 1998. Fast food and urban living standards in medieval England. In (Carlin, M. and Rosenthal, J. T.) *Food and Feasting in Medieval Europe*. 27-53 Hambledon Press: London.
- Cartledge, J. 1979. Mammal Bones. In (Ayers, B. and Murphy, P. A.) *Waterfront Excavations at Whitefriars St Car Park, Norwich*. East Anglian Archaeological Report **17**, 1-60. Norfolk Archaeological Unit.
- Cartledge, J. 1985. The Animal bones. In (Atkin, M., ed.) *Excavations in Norwich 1971-1978 Part II East Anglian Archaeology* **26**. Norwich Survey; Norwich.
- Cartledge, J. 1987. Mammal Bones. In (Ayers, B.) *Excavations at St-Martin-at-Palace Plain, Norwich 1981*. East Anglian Archaeological Report **37**. 111-115 Norfolk Archaeological Unit.
- Cartledge, J., Clark, G. and Higgins, V. 1992. The animal bones: a preliminary assessment of the stock economy. In (D'Andria, F. and Whitehouse, D. eds.) *Excavations at Otranto Vol II: The Finds*. 315-336. Università di Lecce, Dipartimento di Scienze dell'Antichità, Settore Storico-Archeologico. Collana del Dipartimento **6**.

Galatina (LE), Congedo Editore.

Cassady, R. F. 1986. *The Norman Achievement*. Guild Publishing: London

Casteel, R. W. 1977. Characterization of faunal assemblages and the minimum number of individuals determined from paired elements: continuing problems in archaeology. *Journal of Archaeological Science* 4, 125-134.

Centre for Human Ecology, Department of Archaeology, University of Southampton. March 1995. *Animal Bone Metrical Archive Project (ABMAP): draft report on the project phase for English Heritage*.

Chaplin, R. E. 1971. *The Study of Bones from Archaeological Sites*. Seminar Press: London.

Chapman, N. and Chapman, D. 1975. *Fallow Deer: Their history, distribution and biology*. Terence Dalton: Lavenham.

Cherryson, A. 2000. *The identification of archaeological evidence for hawking in Medieval England*. Unpublished Essay. University of Southampton.

Chibnall, M. 1978. *The Ecclesiastical History of Orderic Vitalis*. Oxford Medieval Texts: Oxford

Chibnall, M. 1986. *Anglo-Norman England 1066-1166*. Basil Blackwell: Oxford

Chibnall, M. 1999. *The Debate on the Norman Conquest*. Manchester University Press: Manchester.

Churchill, D. M. 1965. The kitchen midden site at Westward Ho! Devon, England: ecology, age and relation to changes in land and sea level. *Proceedings of the Prehistoric Society* 31, 74-84.

Clapham, J. 1966. *A Concise Economic History of Britain: from the earliest times to 1750*. Cambridge University Press: Cambridge.

Clason, A.T. 1967. *Animal and Man in Holland's Past: an investigation of the animal world surrounding Man in prehistoric and early historical times in the provinces of north and south Holland*. Volume A Groningen.

Clason, A. T. and Prummel, W. 1977. Collecting, sieving and archeozoological research, *Journal of Archaeological Science* 4, 171-175.

Clavel, B. 2001. *L'animal dans l'alimentation Médiévale et Moderne en France du Nord (XIIIe - XVIIe siècles)*. Revue Archeologique de Picardie No Spécial 19.

Clutton-Brock, J. 1976. The animal resources. In (Wilson, D. M., ed.) *The Archaeology of Anglo-Saxon England*, 373-92. Methuen: London.



Clutton-Brock, J. 1984. The Master of the Game: the animals and rituals of medieval venery. *Biologist* **31** (3), 167-71.

Clutton-Brock, J. 1997. The Animal Bones. In (Bruce-Mitford, R.) *Mawgan Porth a Settlement of the Late Saxon period on the North Cornish Coast: Excavations 1949-52, 1954 and 1974*. English Heritage: London.

Clutton-Brock, T. H., Albon, S. D. and Guinness, F. E. 1982. *Red deer: behaviour and ecology of two sexes*. University of Chicago Press: Chicago.

Cockayne, O. 1851. *Leechdoms, Wortcunning and Starcraft of Early England*. I-III Roll Series. Reprint 1961. Holland Press: Oxford.

Cocks, A.H. 1921, A Romano-British Homestead in the Hambledon Valley, Berkshire. *Archaeologia* **71**, 163-6

Colley, S. M. 1984. Some methodological problems in the interpretation of fish remains from archaeological sites in Orkney. In (Desse-Berste, N.) *Notes et monographies techniques CRNS 2<sup>nd</sup> Fish Osteoarchaeology Meeting*. Valbonne, CRNS, 117-132.

Comet, G. 1997. Technology and Agricultural Expansion in the Middle Ages: the example of France north of the Loire. In (Astill, G and Langdon, J., ed.) *Medieval Farming and Technology, the Impact of Agricultural Change in Northwest Europe*. 11-41. Brill: New York.

Cotter, J. 1997. *A twelfth-century pottery kiln at Pound Lane, Canterbury: Evidence for an Immigrant Potter in the late Norman period*. Canterbury Archaeological Trust, Occasional Paper 1.

Cowdrey, H. E. J. 1969. Bishop Ermenfrid of Sion and the Penitential Ordinance following the Battle of Hastings. *Journal of Ecclesiastical History* **20**, 225-42

Coy, J., Bramwell, D. and Jewell, J. 1977. Animal Bones. In (Cramp, R. Everson, P. and Hall, D. N.) Brixworth Archaeological Research Committee. Excavations at Brixworth 1971 and 1972. *Journal of the British Archaeological Association* **130**. 119-122.

Coy, J 1977. *Bird Bones from Wirral Park Farm (the Mound) Glastonbury 11<sup>th</sup>/12<sup>th</sup> century*. Unpublished Manuscript.

Coy, J. 1980. The Animal Bones. In (Haslam, J.) A Middle Saxon Iron Smelting Site at Ramsbury, Wiltshire. *Medieval Archaeology* **24** 1-68.

Coy, J. 1981. The Animal Bones. In (Silvester, R. J.) An Excavation on the Post-Roman site of Bantham, South Devon. *Devon Archaeological Society Proceedings* **39**, 106-110.

Coy, J. 1982. The role of wild vertebrate fauna in urban economies in Wessex. In (Hall,

- A. R. and Kenward, H. K.) *Environmental Archaeology in the Urban Context*. CBA Research Report **43**. 107-116
- Coy, J. 1986. *Animal Bones from Newbury Berkshire: Excavations in Cheap Street 1981-2*. Ancient Monuments Laboratory Report 56/86.
- Coy, J. 1987. *Animal Bones from Abbots Worthy (Itchen Abbas Road), Hampshire*. Ancient Monuments Laboratory Report 156/87.
- Coy, J. 1988. *Animal Bones from Medieval Contexts (Trenches A, AI, L and M) at Brighton Hill, South, Farleigh Wallop, Hampshire 1984-6* Ancient Monuments Laboratory Report 34/88.
- Coy, J. 1989a. Animal bones. In (Astill, G. G and Lobb, S. J.) Excavations of Prehistoric, Roman and Saxon deposits at Wraysbury, Berkshire. *Archaeological Journal* **146**, 68-134.
- Coy, J. 1989b. The provisioning of Fowls and Fish for Towns. In (Serjeantson, D. and Waldron, T., eds.) *Diet and Crafts in Towns: The evidence of animal remains the Roman to the Post-Medieval periods*. 25-41. British Archaeological Reports, British Series **199**. Oxford.
- Coy, J. 1995. Animal Bones. In (Fasham, P. J. and Keevill, G. with Coe, D.) Brighton Hill South (Hatch Warren): an Iron Age Farmstead and Deserted Medieval Village in Hampshire. *Wessex Archaeological Report* **7**.
- Coy, J. 1996. Animal Bones from Newbury Berkshire: Excavations in Bartholomew Street 1974. In (Vince, A. G., Lobb, S. J., Richards, J. C. and Mephram, L.) *Excavations in Newbury 1979-1990*. Wessex Archaeological Monograph.
- Crabtree, P. 1983. *Report on the Animal Bones from the Chapter House at St Albans Abbey (Hertfordshire)*. Unpublished manuscript.
- Crabtree, P. 1990. *West Stow: Early Anglo-Saxon Animal Husbandry*. East Anglian Archaeology **47**. Suffolk County Planning Department.
- Crabtree, P. 1991. Zooarchaeology and complex societies: some uses of faunal remains for the study of trade, social status and ethnicity. In (Schiffer, M ed.) *Archaeological Method and Theory*. **2**, 155-205.
- Crabtree, P. 1994. Animal Exploitation in East Anglian Villages. In (Rackham, J. ed.) *Environment and Early Economy in Anglo-Saxon England*. Council for British Archaeology Report **89**.
- Crabtree, P. 1996. Production and consumption in an early complex society: animal use in Middle Saxon East Anglia. *World Archaeology* **28** (1), 58-75.
- Crossely-Holland, K. 1993. *The Exeter Book of Riddles*. Penguin: London.

- Cummins, J. 1988. *The Hound and the Hawk: the Art of Medieval Hunting*. Weidenfield and Nicholson: London.
- Cunliffe, B. 1978. *Iron Age Communities in Britain: an account of England, Scotland and Wales from the seventh century BC until the Roman Conquest*. Routledge and Kegan Paul: London.
- Currie, T. C. 1993. The Animal Bones. In (Currie, C. K.) Excavations at the Postern Mill Site, Malmesbury, 1986-87. *The Wiltshire Archaeological and Natural history Magazine* **86**. 72-74
- Cutting, D. L. 1955. *Fish Saving: a history of fish processing from ancient to modern times*. Leonard Hill: London.
- Dallas, C. 1993 ed. *Excavations in Thetford by B. K. Davidson between 1964 and 1970*. East Anglian Archaeology **62**.
- Darby, H.C. 1973 ed. *A new historical geography of England*. Cambridge University Press: Cambridge.
- Darby, H. C. 1977 *Domesday England*. Cambridge University Press: Cambridge
- Darling, F. F. 1937. *A Herd of Red Deer*. Oxford University Press: Oxford.
- Darvill, T. and Coy, J. 1977. *Report on the Faunal Remains from Wirral Park Farm, (The Mound), Glastonbury*. Ancient Monuments Laboratory Report 2431.
- Davidson, A. 1999. *Oxford Companion to Food*. Oxford University Press: Oxford
- Davis, R. H. C. 1976. *The Normans and their Myth*. Thames and Hudson: London.
- Davis, S. J. M. 1981. The effects of temperature change and domestication on the body size of late Pleistocene to Holocene mammals of Israel. *Palaeobiology* **7**, 101-114.
- Davis, S. J. M. 1987. *Prudhoe Castle, a report on the animal remains*. Ancient Monuments Laboratory Report 168/87.
- Davis, S. J. M. 1991. *Late Saxon to Medieval Farmstead at Eckweek, Avon*. Ancient Monuments Laboratory Report 1991.
- Davis, S. J. M. 1997a. The Agricultural Revolution in England: some Zoo-archaeological Evidence. *Anthropozoologica* **25-26**. 413-421.
- Davis, S. J. M. 1997b. *Animal bones from the Roman site Redlands Farm, Stanwick, Northamptonshire, 1990 excavations*. London, HBMC Ancient Monuments Laboratory Report 106/97.

- Davison, B. K. 1967. The late Saxon town of Thetford. *Medieval Archaeology* 11, 189-94
- Davison, B. K. 1969. Early Earthwork Castles: A New Model. *Château-Gaillard* 3, 37-47.
- Davison, B.K. 1977. Excavations at Sulgrave, Northamptonshire *Archaeological Journal* 134, 105-14
- Dayan, T., Simberloff, D., Tchernov, E. and Yom-Tov, Y. 1991. Calibrating the Palaeothermometer: climate, communities and the evolution of size. *Palaeobiology* 17, 189-199
- Dobney, K. M., Jaques, S. D., and Irving, B. G. 1995. Of Butchers and Breeds: Report on vertebrate remains from the city of Lincoln. *Lincoln Archaeological Studies* 5.
- Done, G. 1986. The Animal Bones. In (Poulton, R. and Jones, P.) Excavations on the site of the Old Vicarage, Church Street, Reigate, 1977-82, Part I: Saxo-Norman and earlier discoveries. *Surrey Archaeological Collections* 77, 17-95.
- Done, G. n.d. *The Animal Bones from 45 Saxon huts at Mucking, Essex*. Unpublished Manuscript.
- Douglas, D. C. and Greenaway, G. W., eds. 1953. *English Historical Documents 1042-1189*. Eyre and Spottiswode: London.
- Douglas, D.C. 1969. *The Norman Achievement 1050-1100*. Eyre and Spottiswode: London.
- Douglas, M. 1975. *Deciphering a meal*. In *Implicit Meanings: Essays in Anthropology*, 249-257. Routledge and Kegan Paul: London.
- Drew, K. F. 1972. *The Burgundian Code*. University of Pennsylvania Press: Philadelphia.
- Driver, J. C. 1984. Zooarchaeological Analysis of Raw-Material Selection by a Saxon Artisan. *Journal of Field Archaeology* 11, 397-403.
- Driver, J. C. 1990. Animal Bones. In (Driver, J. C., Rady, J., and Sparks, M.) Excavations in the Cathedral Precinct, 2 Linacre Garden, 'Master Omers' and St Gabriels Chapel. *The Archaeology of Canterbury*. Canterbury Archaeological Trust. Kent Archaeological Society.
- Dulley, A. J. F. 1969. The Early History of the Rye Fishing Industry. *Sussex Archaeological Collections* 107, 36-64.
- Dyer, C. C. 1988. Change in Diet in the Late Middle Ages: The Case of Harvest Workers. *Agricultural History Review* 36, 21-37

- Dyer, C. C. 1994. *Everyday Life in Medieval England*. Hambledon Press: London.
- Eastham, A. 1975. The Bird Bones. In (Cunliffe, B. W.) *Excavations at Portchester Castle Vol. II: Saxon*. 287-295. Reports of the Research Committee, Society of Antiquaries. London.
- Eastham, A. 1977. The Animal Bones, Birds. In (Cunliffe, B. W.) *Excavations at Portchester Castle III. Medieval, the outer bailey and its defences*. 233-238. Reports of the Research Committee, Society of Antiquaries: London.
- Eisenstadt, S. N. 1969. Some observation on the Dynamics of Traditions. *Comparative Studies in Society and History* **11**, 451-475.
- Elias, N. 1978. *The Civilising Process: The History of Manners* (translated by Jephcott, E.). Blackwell: Oxford.
- Ellison, A. 1975. Animal Skeletal Material. In (Drewett, P. L.) *Excavations at Hadleigh Castle Essex, 1971-72*. *Journal of The British Archaeological Association*, **38**, 90-154.
- English, B. 1979. *The Lords of Holderness 1086-1260*. Oxford University Press: Oxford.
- Ervynck, A., Cooremans, B., and Van Neer, W. 1994. De voedselvoorziening in de Sint-Salvatorsabdij te Enname (Stad Oudenaarde, prov. Oost-Vlaanderen) 3. Een latrine bij de abtswoning (12 de-begin 13de eeuw), *Archeologie in Vlaanderen* **4**, 311-322.
- Ervynck, A. 1997. Following the Rule? Fish and Meat Consumption in Monastic Communities in Flanders (Belgium). In (De Boe, G. and Verhaeghe, F. eds.) *Environment and Subsistence in Medieval Europe. Papers of the 'Medieval Europe Brugge 1997' Conference* **9**.
- Ervynck, A., Van Neer, W., Lentacker, A. 1999. Introduction and extinction of wild animal species in historic times: the evidence from Belgium. In (Benecke, N. ed.) *The Holocene history of the European vertebrate fauna*. Modern aspects of research workshop, 6<sup>th</sup>-9<sup>th</sup> April 1998 Berlin. Rahden/Wesft.
- Everton, R. F. 1982. The Animal Bone. In (Leech, R.) *Excavations at Catsgore, 1970-1973*. Western Archaeological Trust Monograph **2**, 144
- Fairbrother, J. R. 1990 *Facombe Netherton: Excavations of a Saxon and Medieval Manorial Complex II*. British Museum Occasional Paper **74**.
- Finberg, H. P. R. 1947. Some Early Tavistock Charters. *English History Review* **62**, 365.

- Flambard-Hérliche, A-M. 1996a. Premiers résultats des fouilles du château de Vatteville-la-Rue (Seine-Maritime). *Actes du XVII colloque international Château Gaillard tenu à Abergavenny (G.B) en Septembre 1994*. Caen.
- Flambard-Hérliche, A-M. 1996b *Vatteville-la-Rue (76) le <Vieux Château>, Rapport de fouille 1994-1996*. Service Régional de l'Archéologie du haut Normandie, pp 145.
- Flambard-Hérliche, A-M. 1998a Le shell keep de Vatteville-la-Rue (Seine-Maritime) in *Proximus*, 169-179. Publication of the Archaeological Round Table, Dieppe 17<sup>th</sup> and 18<sup>th</sup> September.
- Flambard-Hérliche, A-M. 1998b. La cuisine du logis seigneurial de Vieux Château de Vatteville-la-Rie (Seine-Maritime). *Mémoires et Documents de la Société Historique et Archéologique de l'Orne* 1, 131-145.
- Foch, J. 1966. *Metrische Untersuchungen an Metapodien einiger Europäischer Rindererassen*. Dissertation, University of München.
- Forde, S., Johnson, L., and Murray, A. 1995. Concepts of National Identity in the Middle Ages, *Leeds Texts and Monographs New Series* 14
- Fowler, R. W. 1972. *Wulfstan's Canons of Edgar*. Oxford University Press: London for the Early English Texts Series.
- Freeman, E. A. 1867-79. *The History of the Norman Conquest*. Clarendon Press: Oxford.
- Gamble, C. S. 1983. The Animal Bones. In (Fasham, P. J.) Excavations in Banbury, 1972: second and final report. *Oxoniensia* 48, 114-117.
- Garmonsway, G. N. 1967. *The Anglo-Saxon Chronicle*. Dent and Dutton: London.
- Garmonsway, G. N. 1978. *Aelfric's Colloquy*. University of Exeter: Exeter.
- Gautier, A. 1972. La faune d'un puits de l'abbaye de Saint Avit-Senieur (XI à XIII siècle, Dordogne, France) *Archéologie Médiévale* 2, 355-379
- Gautier, A 1984a. How do I count you, let me count the ways? Problems of archaeozoological quantification. In (Grigson, C. and Clutton-Brock, J. eds.) *Animals and Archaeology: 4 Husbandry in Europe*. 237-52. British Archaeological Reports. International Series 227: Oxford.
- Gautier, A. 1984b Enkele dierresten uit de abdji Ter Duinen te Koksijde (ca. 1175-ca. 1250, ca. 1250-1318, 1593-1601 A.D), *De Duinen* 13-14, 61-63.
- Gebbles, A. 1977. The Animal Bones. In (Bell, M.) Excavations at Bishopstone. *Sussex Archaeological Collections* 115.

Getty, R. 1975. *Sisson and Grossman's the Anatomy of the Domestic Animals*. W. B. Saunders and Co.: Philadelphia

Gidney, L. J. 1990. *The animal bones from the 1987 excavations of the Saxon contents at Morrison Hall, Hartlepool, Cleaveland*. Ancient Monuments Laboratory Report 111/90.

Gidney, L. J. 1991 *The animal bones from the 1987 Excavations: the animal bones from the Medieval deposits at St Peters Lane*. Ancient Monuments Laboratory Report 116/91.

Gilbert, J. 1979. *Hunting and Hunting Reserves in Medieval Scotland*. John Donald: Edinburgh

Giles, R. 1991. *L'avifaune d'Andone aux Xe et Xièmes siècles*, Mémoire de DEA Archéologie et Environment, MNHN, Université de Paris I et V

Gillingham, J. 1995. Henry of Huntingdon and the Twelfth-Century Revival of the English Nation. In (Forde, S., Johnson, L., and Murray, A.) *Concepts of National Identity in the Middle Ages*. Leeds Texts and Monographs. New Series 14, 75-101

Golding, B. 1994. *Conquest and Colonisation: the Normans in Britain, 1066-1100*. Macmillan: London.

Goody, J. 1982. *Cooking, Cuisine and Class: A study in comparative sociology* Cambridge University Press: Cambridge.

Gottfried von Strassburg, *Tristan* (translated by Hatto, A. T.). Penguin Classics: Harmondsworth, 1960.

Graham-Campbell, J. 1990. *The Viking World* (second edition) Frances Lincoln, Weidenfeld and Nicolson: London.

Grant, A. 1971. The Animal Bones. In (Bryant, G. F. and Steene, J. M.) Excavations at the Deserted Medieval Settlement at Lyveden. A third Interim Report. *Journal of the Northampton County Borough Museum and Art Gallery*.

Grant, A. 1975a. In (Cunliffe, B. W.) *Excavations at Portchester Castle, Vol I: Roman*. 378-408. Reports of the Research Committee, Society of Antiquaries: London

Grant, A. 1975b. The Faunal Remains. In (Cunliffe, B. W.) Excavations at Portchester Castle Vol. II: *Saxon*. 262-287 Reports of the Research Committee, Society of Antiquaries. London.

Grant, A. 1977. The Animal Bones, mammals. In (Cunliffe, B. W.) *Excavations at Portchester Castle III. Medieval, the outer bailey and its defences*. 213-233. Reports of the Research Committee, Society of Antiquaries: London.

- Grant, A. 1979. The Animal Bones (Citizen's House). In (Cunliffe, B. W. ed.) *Excavations in Bath, 1950-1975. Bristol: Committee for Rescue Archaeology in Avon Gloucestershire and Somerset* (Excavation Monograph 1), 60-70.
- Grant, A. 1981. The significance of deer remains at occupation sites of the Iron Age to the Anglo-Saxon period. In (Jones, M. and Dimbleby, G. eds.) *The Environment of Man: The Iron Age to the Anglo-Saxon period*. 53-64. British Archaeological Reports, British Series, 87: Oxford.
- Grant, A. 1982. The use of tooth wear as a guide to the age of domestic ungulates. In (Wilson, B., Grigson, C., and Payne, S. eds.) *Ageing and Sexing Animals from Archaeological sites*. 91-108. British Archaeological Reports, British Series 109: Oxford.
- Grant, A. 1984. Medieval animal Husbandry: the zooarchaeological evidence. In (Grigson, C. and Clutton-Brock, J. eds.) *Animals in Archaeology: 4. Husbandry in Europe*, 179-186. British Archaeological Reports, International Series 227: Oxford.
- Grant, A. 1987. Some Observations on Butchery in England from the Iron Age to The Medieval Period. *Anthropozoologica*, Premier Numéro Spécial. 53-57.
- Grant, A. 1988a. The Animal Resources. In (Astill, G. and Grant, A. eds.) *The Countryside of Medieval England*. 149-187. Blackwell: Oxford.
- Grant, A. 1988b. Food, status and religion in the Middle Ages: an archaeozoological perspective. In *Anthropozoologica*. Second Numéro Spécial, 139-146.
- Grant, A. 1989. Animals in Roman Britain. In (Todd, M. ed.) *Research on Roman Britain 1960-1989*. Britannia Monograph Series 11, 135-146
- Grayson, D. K. 1984. *Quantitative Zooarchaeology*. Academic Press: London.
- Green, J. 1997 *The Aristocracy of Norman England*. Cambridge University Press: Cambridge.
- Griffith, N. J. L., Halstead, P. L. J., MacLean, A., and Rowley-Conwy, P. A. 1983. Faunal remains and economy. In (Mayes, P. and Butler, L. A. S.) *Sandal Castle Excavations 1964-1973*. Wakefield Historical Publications, 341-8.
- Grigson, C. 1974. The Craniology and Relationship of Four Species of *Bos*. I Basic Craniology: *Bos taurus* L. and its Absolute Size. *Journal of Archaeological Science* 1, 353-379.
- Grigson, C. 1975. The Craniology and Relationship of Four Species of *Bos*. II Basic Craniology: *Bos taurus* L. Proportions and Angles. *Journal of Archaeological Science* 2, 109-128.



Grigson, C. 1976. The Craniology and Relationship of Four Species of *Bos*. 3. Basic Craniology: *Bos taurus* L. Saggital Profiles and other Non-measurable Characters. *Journal of Archaeological Science* **3**, 115-136.

Grigson, C. 1978. The Craniology and Relationship of Four Species of *Bos*. The Relationship between *Bos primigenius* Boj. And *B. tarus* L. and its implications for the Phylogeny of the Domestic Breeds. *Journal of Archaeological Science* **5**, 123-152.

Grigson, C. 1982. Sex and Age determination of some bones and teeth of cattle; a review of the literature. In (Wilson, B., Grigson, C., and Payne, S. eds.) *Ageing and sexing animal bones from archaeological sites*. 7-24. British Archaeological Reports, British Series **109**: Oxford.

Groundes-Peace, Z. 1971. *Mrs Groundes-Peace's Old Cookery Notebook*. David and Charles: Exeter.

Hadley D. 1996. And they proceeded to polish and support themselves: the Scandinavian settlement of England. *Anglo-Norman Studies* **19**, 69-96

Hagen, A. 1998a. *A Handbook of Anglo-Saxon Food: processing and consumption*. Anglo-Saxon Books: Norfolk.

Hagen, A. 1998b. *A Second Handbook of Anglo-Saxon Food and Drink: production and distribution*. Anglo-Saxon Books: Norfolk..

Hall, A. 1988. York 700-1050. In (Hodges. R. and Hobley, B. eds.) *The Rebirth of Towns in the West AD 700-1050*. 125-132. Council for British Archaeology. Research report **68**

Halstead, P. 1985. A study of the mandibular teeth from Romano-British contexts at Maxey. In (Pryor, F. ed.) *Archaeology and Environment of the Lower Welland Valley Vol. 1*. East Anglian Archaeology Report **27**.

Halstead, P. 1992. Dimini and the DMP: Faunal remains and animal exploitation in the late Neolithic Thessaly, *The annual of the British School of Archaeology at Athens* **87**, 29-59

Halstead, P. 1996. The development of agriculture and pastoralism in Greece: when, how, who and what? In (Harris, D. R. ed.) *The Origins and Spread of Agriculture and Pastoralism in Eurasia*. UCL Press: London.

Hambleton, E. 1999. *Animal Husbandry regimes in Iron Age Britain*. British Archaeological Report, British Series **282**: Oxford.

Hamilakis, Y. 1998. The Anthropology of food and drink consumption and the Aegean Archaeology. In (Carlson, W. and Vaughan, S. eds.) *Aspects of Paleodiet in the Aegean*. Oxford: Oxbow.

- Hamilton, R. 1971. Animal remains. In (Branigan, K. ed.) *Latimer: Belgic, Roman, Dark Age and Early Modern Farm*. Chess Valley Archaeological Society: Bristol.
- Hammond, P. W. 1995. *Food and Feast in Medieval England*. Alan Sutton: Stroud.
- Hamshaw-Thomas, J. 2000. When in Britain do as the Britons: dietary identity in early Roman Britain. In (Rowley-Conwy, P. ed.) *Animal Bones, Human Societies*, 166-169. Oxbow: Oxford.
- Harman, M. 1979a. Mammalian Bone. In (Williams, J. H.) Excavations on Marefair, Northampton, 1977. *Northamptonshire Archaeology* 14, 77-78
- Harman, M. 1979b. The Mammalian Bones. In (Williams, J. H.) *St Peters Street Northampton: Excavations 1973-1976*. Northampton Development Corporation
- Harman, M. 1985a. The Animal and Bird Bones. In (Lambrick, G.) Further Excavations on the Second Site of the Dominican Priory, Oxford. *Oxoniensia* 50, 190-2
- Harman, M. 1985b. The Other Mammalian Bones. In (Williams, J. H., Shaw, M., and Denham, V.) *Middle Saxon Palaces at Northampton*. Northampton Development Corporation Archaeological Monograph 4
- Harper-Bill, C. 1979. The Piety of the Anglo-Norman Knightly Class. In *Proceedings of the Battle Conference* 2. 63-77
- Hartley, D. 1954. *Food in England*. Little Brown and Company: London.
- Harvey, B. 1993. *Living and Dying in England 1100-1540. The Monastic Experience*. Clarendon Press: Oxford.
- Harvey, J. 1982. *Medieval Gardens*. Batsford: London.
- Haslam, J. A. 1980. Middle Saxon Iron Smelting Site at Ramsbury, Wiltshire. *Medieval Archaeology* 24, 1-68
- Hatting, T. 1975. The influence of castration on sheep horns. In (Clason, A. T. ed.) *Archaeozoological studies: Paper of the Archaeozoological Conference 1974, held at the Biologisch archaeologisch Institut of the State University of Groningen*. North Holland Publishing: Amsterdam.
- Hawes, R. O. 1984. Pigeons. (In Mason I. L. ed.) *Evolution of Domesticated Animals*. Longman: London
- Hesse, B. 1986. Animal Use at Tel Miqne-Ekron in the Bronze age and Iron Age. *Bulletin of the American School of Oriental Research* 264, 17-27.
- Hesse, B. and Wapnish, P. 1985. *Animal Bones Archaeology: from objectives to analysis*. Taraxacum: Washington.

- Heighway, C. M., Garrod, A. P., and Vince, A. G. 1979. Excavations at 1 Westgate Street, Gloucester 1975. *Medieval Archaeology* **23**, 182-5.
- Hieatt, C. B. and Jones, R. F. 1986. Two Anglo-Norman Culinary Collections ed. From BL MSS Addit. 32085 and Royal 12.C.xii. *Speculum: A Journal of Medieval Studies* **61** (4), 859-882.
- Higgs, E. and Greenwood, W. 1979 Faunal Report. In (Rahtz, P.) *The Saxon and Medieval Palaces at Cheddar Excavations 1960-2*. British Archaeological Reports. British Series **65**: Oxford.
- Higgs, E. and Jarman, M. 1975. *Palaeoeconomy*. Cambridge University Press: Cambridge.
- Higgs, E. S. and Jarman, M. 1977. Yeavinger: Faunal Report. In (Hope-Taylor, B.) *Yeavinger: an Anglo-British Centre of early Northumbria*. Dept. of the Environment Archaeological Reports **7**. HMSO
- Higham, C. 1969. The metrical attributes of two samples of Bovine limb bones. *Journal of Zoology* **157**, 63-74.
- Hill, D. 1981. *An Atlas of Anglo-Saxon England*. Blackwell: Oxford
- Hillson, S. 1993. *Teeth*. Cambridge Manuals in Archaeology. Cambridge University Press: Cambridge.
- Hilton, R. 1992. *English and French Towns in Feudal Society*. Cambridge University Press: Cambridge.
- Hinton, D. A. 1990. *Archaeology, Economy and Society: England from the fifth to fifteenth century*. Seaby: London.
- Hinton, M. A. 1979. On the remains of vertebrate animals found in the middens of Rayleigh Castle. *Essex Naturalist*, **17**, 16-21.
- Hodges, H. 1964. *Artefacts: an introduction to early materials and technology*. John Baker: London.
- Hodges, R. 1982 *Dark Age Economics: The origins of towns and trade AD600-1000* (2<sup>nd</sup> edition). Duckworth Press: London.
- Hodges, R. 1989. *The Anglo-Saxon Achievement*. Duckworth: London.
- Hodges, R. 2000. *Towns and Trade in the Age of Charlemagne*. Duckworth: London.
- Hodges, R. and Hopley, B. (eds.). 1988. *The Rebirth of Towns in the West AD 700-1050*. Council for British Archaeology. Research report **68**.

Holdsworth, P. 1980. Excavations at Melbourne Street, Southampton 1971-76. *Council for British Archaeology Research Report 33*. London.

Holmes, U. T. Jr. 1952. *Daily living in the twelfth century*. University of Wisconsin Press: Wisconsin.

Hooke, D. 1998. *The Landscape of Anglo-Saxon England*. Leicester University Press: Leicester.

Hooper, W. D. and Ash, H. B. (translated). 1967. *Marcus Porcius Cato on agriculture. Marcus Terentius varro on agriculture*. Loeb Classical Library No 283. Heinemani, London.

Hope-Taylor, B. 1977. *Yeaving: an Anglo-British Centre of early Northumbria*. Dept. of the Environment Archaeological Reports 7. HMSO

Huntley, J. P. and Stalibrass, S. 1995. *Plant and vertebrate remains from archaeological sites in northern England: data reviews and future directions*. Research Report 4. Architectural and Archaeological Society of Durham, Northumberland: Durham.

Hurst, J. G. 1976. The Pottery. In (Wilson, D. M. ed.) *The Archaeology of Anglo-Saxon England*, 283-384. Methuen: London

Hutton-MacDonald, R. 1999. Animal Bones from St Nicholas' Street and Guildhall Street. In (Andrews, P. and Penn, K.) *Excavations in Thetford, North of the River, 1989-90*. East Anglian Archaeology Report 87. Norfolk Museum Service.

Ijzereef, G. F. 1989. Social Differentiation from Animal Bone Studies. In (Serjeantson, D. and Waldron, T. eds.) *Diet and Crafts in Towns: The evidence of animal remains the Roman to the Post-Medieval periods*, 41-55. British Archaeological Reports, British Series 199. Oxford.

Impey, E. 1999. The Seigneurial Residence in Normandy, 1125-1225: an Anglo-Norman Tradition? *Medieval Archaeology* 43, 45-74.

Ingre, C. forthcoming. The Fish Remains from Guildford Castle. In (Poulton, R.) *Guildford Castle and Royal Palace*. Surrey Archaeological Society Publication.

Jarman, M. R. (1972) European deer economies and the advent of the Neolithic. In Higgs, E. S. (ed) *Papers in Economic Prehistory*. Cambridge University Press: Cambridge.

Jewel, P. A 1968. In (Brodribb, A. C., Hands, A. R., and Walker, D. R.) *Excavations at Shakenoak I*. 112-3. Privately published: Oxford.

Johnston, R. C. 1981. *Jordan Fantosme's Chronicle*. Clarendon: Oxford.

- Jones, A. K. G. and Scott, S. A. 1985. The Fish Bones. In (Atkin, M., Carter, A., and Evans, D. H.) *Excavations in Norwich 1971-1978 Part II*. East Anglian Archaeology Report **26**. Norfolk Museum Service.
- Jones, A. K. G. 1984. Fish Bones. In (Rogerson, A. and Dallas, C. eds.) *Excavations in Thetford 1948-59 and 1973-80*. East Anglian Archaeology Report **22**, 192-194. Norfolk Archaeological Unit.
- Jones, A. K. G. 1993. Fish Remains. In (Dallas, C. ed.) *Excavations in Thetford by B. K. Davidson between 1964 and 1970*. East Anglian Archaeology **62**, 191. Norfolk Archaeological Unit.
- Jones, G. 1980. The Animal Bones. In (Farley, M.) Mid Saxon Occupation at Chichley, Buckingham. *Records of Buckinghamshire* **22**, 90-102.
- Jones, G. 1983 The Medieval Animal Bones. In (Allen, D. and Dalwood, C. H.) Iron Age Occupation, a Middle Saxon Cemetery and 12<sup>th</sup>-19<sup>th</sup> century Urban Occupation: Excavations in George Street, Aylesbury. *Records of Buckinghamshire* **25** 31-44
- Jones, G. 1984. Animal Bones. In (Rogerson, A. and Dallas, C. eds.) *Excavations in Thetford 1948-59 and 1973-80*. East Anglian Archaeology Report **22**, 187-192. Norfolk Archaeological Unit.
- Jones, G. 1993. Animal and Bird Bones. In (Dallas, C. ed.) *Excavations in Thetford by B. K. Davidson between 1964 and 1970*. East Anglian Archaeology **62**, 176-192. Norfolk Archaeological Unit.
- Jones, G. 1994a. Mammal and Bird Bones. In (Ayers, B. S.) *Excavations at Fishergate, Norwich, 1985*. East Anglian Archaeology **68**, 37-43. Norfolk Archaeological Unit.
- Jones, G. 1994b. Animal bones. In (Allen, T.) A Medieval Grange of Abingdon Abbey at Dean Court Farm, Cumnor. *Oxoniensia* **59**, 386-396
- Jones, K. T. 1993. The Archaeological Structure of a Short-term Camp. In (Hudson, J. ed.) *From Bones to behaviour: Ethnoarchaeological and Experimental Contributions to the Interpretation of Faunal Remains*. Occasional Paper **21**. Carbondale: Southern Illinois University, Center for Archaeological Investigations.
- Jones, R.T. and Serjeantson, D. 1983. *The Animal Bones from Five Sites at Ipswich*. Ancient Monuments Laboratory Report 13/83
- Jones, R. T., Sly, J., Simpson, D., Rackham, J., and Locker, A. 1985. *The terrestrial vertebrate remains from the Castle, Barnard Castle*. Ancient Monuments Laboratory Report 7/85 .

- Jones, R. T. and Ruben, I. 1987. Animal bones, with some notes on the effects of differential sampling. In (Beresford, G.) *Goltho: the development of an early medieval manor c.850-1150*. English Heritage Report: London
- Jones, R. T., Reilley, K., and Pipe, A. R. 1997. The Animal Bones. In (Morley, B. and Gurney, D.) *Castle Rising Castle, Norfolk*. East Anglian Archaeology **81**. Norfolk Museum Service.
- Jones, S. 1997. *The Archaeology of Ethnicity: Constructing Social Identities in the Past and Present*. Routledge: London
- Jourdan, L. 1977. La faune de la Bourse (II au V siècles) Marseille. Aspects de la faune de Rougiers (Moyen Age). In *L'élevage en Méditerranée occidentale, Actes du Colloque international d'Institut de Recherche méditerranée*, Mai 1976. Ed du CNRS, Paris, 95-112
- Keene, D. 1985. *Survey of Medieval Winchester: Part I*. Winchester Studies 2. Clarendon Press: Oxford.
- Kenyon, D. M. E. 1997. Patterning in Butchery as Cultural Residue. *Anthropozoologica* **25-26**. 131-136
- Kent, S. 1993. Variability in Faunal Assemblages: The Influence of Hunting Skill, Sharing, Dogs and Mode of Cooking on Faunal Remains at the Sedentary Kalahari Community. *Journal of Anthropological Archaeology* **12**, 323-385
- Kerridge, E. 1967. *The Agricultural Revolution*. Allen and Unwin: London.
- King, A. 1978. A comparative survey of bone assemblages from Roman Britain. *Bulletin of the Institute of Archaeology* **15**, 207-232.
- King, A. 1982. The Animal Bones. In (Bennett, P., Frere, S., and Stow, S.) *The Archaeology of Canterbury Vol. I The Excavations at Canterbury Castle*. Canterbury Archaeological Trust.
- King, A. 1991. Food Production and Consumption - Meat. In (Jones, R. ed.) *Britain in the Roman Period: Recent Trends*. Department of Archaeology and Prehistory, University of Sheffield.
- King, J. E. 1962. Report on the Animal Bones. In (Wymer, J.) Excavations at the Maglemosan site in Thatcham, Berks. *Proceedings of the Prehistoric Society* **28**, 186
- Klein, R. G. and Cruz-Urbe, K. 1984. *The Analysis of Animal Bones from Archaeological Sites*. University of Chicago Press.
- Klein, R. G. and Scott, K. 1989. Glacial/Interglacial Size Variation in Fossil Spotted Hyenas (*Crocota crocuta*) from Britain. *Quaternary Research* **32**, 88-92

Knowles, D. 1940. *The monastic order in England 943-1216*. Oxford University Press; Oxford.

Kreutzer, L. A. 1992. Bison and Deer Bone Mineral Densities: Comparisons and Implications for the Interpretation of Archaeological Faunas. *Journal of Archaeological Science* **19**, 271-294.

Kühnhold, B. 1971. *Die Tierknochenfunde aus Unterregenbach, einer mittelalterlichen Siedlung Württembergs*. Inaugural Dissertation zur Erlangung der veterinärmedizinischen Doktorwürde de Tierärztlichen Fakultät der Ludwig-Maximilians-Universität. München.

Küpper, W. 1972. *Die Tierknochenfunde von der Burg Schiedberg bei Sagogn in Grabünden. II die Kleinen Wiederkäuer, die Wildtiere und das Geflügel*. Inaugural Dissertation zur Erlangung der veterinärmedizinischen Doktorwürde de Tierärztlichen Fakultät der Ludwig-Maximilians-Universität. München.

Kylie, E. 1911. *The English Correspondance of St Boniface*. Chatto and Windus

Lamb, H. H. 1981. Climate from 1000BC to 1000AD. In (Jones, M. and Dimbleby, G.) *The Environment of Man from the Iron Age to Anglo-Saxon Period*. British Archaeological Reports, British Series **87**: Oxford

Langdon, J. 1986. *Horses, Oxen and Technological Innovation: the Use of Draught Animals in English Farming from 1066 to 1500*. Cambridge University Press: Cambridge.

Langdon, J. 1988. Agricultural Equipment. In (Astill, G. and Grant, A.) *The Countryside in Medieval England*. 86-107. Blackwell: Oxford.

Lasota-Mokalewska, A. 1984. Anatomical Distribution of Bone Remains from the Medieval Castle at Ciechanow, Poland. In (Grigson, C. and Clutton-Brock, J.) *Animals and Archaeology Volume 4, Husbandry in Europe*. 155-159. British Archaeological Reports, International Series **227**: Oxford.

Lauwerier, R. C. G. M. 1988. *Animals in Roman Times in the Dutch Eastern River Area*. ROB Neaderlandse Oudheden 12

Lavellée, J. 1854. *La Chasse de Gaston Phébus, Count de Foix*. Paris.

Lawrance, P. 1982. Animal Bones. In (Code, J. G. and Streeten, A. D. S.) *Excavations at Castle Acre, Norfolk 1972-77: county house and castle of the Norman earls of Surrey*. *Archaeological Journal* **139**, 138-301.

Leach, P. 1982 *Ilchester volume I. Excavations 1974-75*. Western Archaeological Trust Excavation Monograph **3**.

- Le Blay, J.-C. 1993. Hasard, Taphonomie ou Redevance? Le cas du porc médiéval. *Anthropozoologica* 17. 7-10
- Le Blay, J.-C., Lepetz, S., and Yvinec, J.-H. 1997. L'élevage dans l'Antiquité tardive en Ile-de-France. In *Les campagnes de l'Ile-de-France de Constantin à Clovis*. Actes de la 2nd journée. Documentation de travail No 3 Décembre 1997.
- Leech, R. 1982. *Excavations at Catsgore, 1970-1973*, Western Archaeological Trust Monograph 2.
- Legge, A. J. 1992. *Excavations at Grimes Graves, Norfolk 1972-1976*. Fascicule 4. Animals, Environment and the bronze age Economy. British Museum Press: London.
- Lennard, R. 1959. *Rural England 1086-1135. A study of social and agrarian conditions*. Clarendon Press: Oxford.
- Le Patorel J. 1976. *The Norman Empire*. Oxford University Press: Oxford.
- Lepetz, S., Meniel, P., and Yvinec, J.-H. 1995. Archéozoologie des installations rurales de la fin de l'Âge du Fer au début du Moyen Âge. *L'Histoire rurale en France*. Actes du colloque de Rennes (Oct 94), Histoire et Sociétés Rurales no 3 1er semestre 1995, 169-82.
- Lepetz, S. and Yvinec, J.-H. 1998. L'élevage à la période Gallo-Romaine et au Haut Moyen âge en Normandie l'apport de l'archéozoologie. In *Le Monde Rural en Normandie*. 169-182. Annales de Normandie, Séries des Congrès des Sociétés Historiques et Archéologique de Normandie, Volume 3. Caen, Musée de Normandie.
- Lepiksaar, J. 1966-1978. *Restes animaux provenant du Grand Besle*. Meddelan den Fran Lunds Universitets Historika Museum, 85-116
- Leslie, R. F. 1966. *The Wanderer*. Manchester University Press: Manchester.
- Lever, C. 1979. *The Naturalised Animals of the British Isles*. Granada Publishing: St Albans.
- Levi-Strauss, C. 1966. The Culinary Triangle. *Partizan Review* 3, 586-595.
- Levi-Strauss, C. 1969. *The Raw and the Cooked*. Harper and Row: New York.
- Levitan, B. 1982. The Faunal Remains. In (Leach, P.) *Ilchester Vol 1: Excavations 1974-5* Western Archaeological Trust Excavation Monograph 3, 269-283.
- Levitan, B. 1984a. The Vertebrate Remains. In (Rahtz, P. and Rowley, T.) *Middleton Stoney: Excavations and Survey in a North Oxfordshire Parish 1970-1982*. Oxford University Dept of External Studies, Oxford.



Levitan, B. 1984b. Faunal Remains from Priory Barn and Benham's Garage. In (Leach, P.) *The Archaeology of Taunton*. Western Archaeological Trust Excavation Monograph **8**, 167-194

Levitan, B. 1985. The Animal Bones. In (Saville, A.) Salvage recording of Romano-British, Saxon, Medieval and Post-Medieval remains at North Street, Winchcombe, Gloucestershire. *Transactions of the Bristol and Gloucestershire Archaeological Society* **103**, 130-5.

Levitan, B. 1987a. *Medieval Animal Husbandry in South West England. A Selective Review and Suggested Approach*. Ancient Monuments Laboratory Report, 223/87.

Levitan, B. 1987b. *Bone Analysis and urban Economy: examples of selectivity and a case for comparison*. Ancient Monuments Laboratory Report 224/87

Levitan, B. 1990. The Vertebrate Remains. In (Bell, M.) *Brean Down Excavations 1983-1987* English Heritage Archaeological Report **15**, 220-239

Levitan, B. 1992. The Animal Bone. In (Keevill, G. D.) An Anglo-Saxon Site at Audlett Drive Abingdon, Oxford. *Oxoniensia* **57**, 74-75

Levitan, B. and Locker, A. 1987. The Vertebrate remains from Westward Ho!, Devon. In (Balaam, N. D., Levitan, B., and Straker, V.) *Studies in Palaeoeconomy and Environment in South West England*. British Archaeological Reports, British Series **181**: Oxford.

Lewis, C. Mitchell-Fox, P., and Dyer, C. 1997. *Village, Hamlet and Field: changing medieval settlements in central England*. Manchester University Press: Manchester.

Lewis, C.P. 1994. The French in England before the Norman Conquest. *Anglo-Norman Studies* **17**. 123-145.

Lister, A. M. 1984. Evolutionary and ecological origins of British deer. In (Last, F. T. ed.) *Proceedings of the Royal Society of Edinburgh. Section B*. **82** (part 4), 205-229. Royal Society of Edinburgh.

Lister, A. M. 1996. The Morphological distinction between bones and teeth of fallow deer (*Dama dama*) and red deer (*Cervus elaphus*). *Journal of Osteoarchaeology*, **6**, 119-143.

Lloyd, T. H. 1977. *The English Wool Trade in the Middle Ages*. Cambridge University Press: Cambridge.

Locker, A 1985. Animal and Plant Remains. In (Hare, J. N. ed.) *Battle Abbey. The eastern range and the excavations 1978-80*. Historic Buildings and Monuments Commission for England Archaeological Report **2**, 183-89.

Locker, A. 1987. The Fish Remains. In (Ayers, B.) *Excavations at St-Martin-at-Palace*

*Plain, Norwich 1981*. East Anglian Archaeological Report **37**. 114-117 Norfolk Archaeological Unit.

Locker, A. 1989. *The fish bones from a 13<sup>th</sup>/14<sup>th</sup> century deposit from Cleeve Abbey, Somerset*. Ancient Monuments Laboratory Report 2/89.

Locker, A. 1990. The Animal Bones. In (Neal, D. S., Wardle, A., and Hunn, J.) *Excavations at Gorhambury, St Albans*. 205-12. Historic Monuments and Buildings Commission for England: London

Locker, A. 1992. Animal bone. In (Woodiwiss, S.) *Iron Age and Roman salt production and the medieval town of Droitwich. Excavations at the old bowling Green and Friars Street*. 172-181. Council for British Archaeology Report **81**. London

Locker, A. 1993a. The Fish Remains. In (Cowie, R. and Whitehead, R.) Two Middle Saxon Occupation Sites: Excavations at Jubilee Hall and 21-22 Maiden Lane. *London and Middlesex Archaeological Society Transactions* **39**, 149-150.

Locker, A. 1993b. The Fish Remains. In (Cowie, R. ed.) Excavations at the Peabody Site, Chandos Place and the National Gallery. *London and Middlesex Archaeological Society Transactions* **40**, 148-150.

Locker, A. 1994. Fish bones. In (Ayers, B. S.) Excavations at Fishergate, Norwich, 1985. *East Anglian Archaeology* **68**, 42-45.

Locker, A. 1996. *The Fish Remains from St Marys, Clerkenwell*. Unpublished report for Museum of London Archaeological Services.

Locker, A. 1997. *The Saxon, Medieval and Post-Medieval Fish Bones from Excavations at Castle Mall, Norwich, Norfolk*. Ancient Monuments Laboratory Report 85/97

Losco-Bradley, P. M. and Salisbury, C. R. 1988 A Saxon and Norman fish weir at Colwick, Nottinghamshire. In (Aston, M. ed.) *Medieval Fish, Fisheries and Fishponds in England* (I), 39-68 British Archaeological Report, British Series **182**. Oxford.

Loud, G.A. 1981. The 'Gens Normannorum': myth or reality? *Anglo-Norman Studies* **4**, 104-16

Loyn, H.R. 1970. *Anglo-Saxon England and the Norman Conquest*. Longman: London.

Luff, R. 1982. *A zooarchaeological study of the Roman north-western provinces*. British Archaeological Reports, International Series **137**. Oxford.

Luff, R. 1994. Butchery at the Workmen's Village (WV), Tell-el-Amarna, Egypt. In (Luff, R. and Rowley-Conwy, P.) *Whither Environmental Archaeology?* Oxbow Monograph **38**.

Lyman, R. L. 1994. *Vertebrate Taphonomy*. Cambridge University Press; Cambridge.

McCormick, F. 1991. The effect of the Anglo-Norman settlement on Ireland's wild and domesticated fauna. In (Crabtree, P. and Rym, K. eds.) *Animal Use and Cultural Change*. 41-52. MASCA Research Papers in Science and Archaeology Supplement to Volume 8. MASCA, the University Museum of Archaeology and Anthropology, University of Pennsylvania, Philadelphia.

McEneaney-Schneider, E. 1979. *Tierknochenfunde von der Heuneburg einem frühkeltischen Herrnsitz bei Hundersingen an der Donau (Grabungen 1966 bis 1979). Wiederkäuer ohne die Bovini*. Inaugural Dissertation zur Erlangung der veterinärmedizinischen Doktorwürde de Tierärztlichen Fakultät der Ludwig-Maximilians-Universität. München.

McPeake, J. C., Bulmer, M. and Rutter, J. A. 1980. Excavations in the Garden of No1 Abbey Green, Chester, 1975-77. *Journal of Chester Archaeological Society* **63**, 15-37

MacGregor, A. 1985. *Bone, Antler, Ivory and Horn*. London

MacGregor, A. 1991. Antler, Bone and Horn. In (Blair, J. and Ramsay, N. eds.) *English Medieval Industries: Craftsmen, Techniques, Products*. Hambledon Press: London

MacGregor, A. 1996. Swan rolls and beak markings. Husbandry exploitation and regulation of *Cygnus olor* in England, c.1100-1900. *Anthropozoologica* **22**, Second Semestre 1995, 39-69

MacGregor, A. Mainman, A. J. and Rogers, N. S. H. 1999. *Craft, Industry and Everyday Life: Bone, Antler, Ivory and Horn from Anglo-Scandinavian and Medieval York*. The Archaeology of York. The Small Finds 17/12. Council for British Archaeology. York Archaeological Trust.

Maltby, M. 1979a. Faunal Studies on Urban Sites: the animal bones from Exeter 1971-1975. *Exeter Archaeological Reports* **2**. Sheffield.

Maltby, M. 1979b. The Animal Bones. In (Heighway, C. M., Garrod, A. P., and Vince, A. G.) Excavations at 1 Westgate Street Gloucester 1975. *Medieval Archaeology* **23**, 182-5.

Maltby, M. 1981. Iron Age, Romano-British and Anglo-Saxon animal husbandry: a review of the faunal evidence. In (Jones, M. and Dimbleby, G. eds.) *The Environment of Man: The Iron Age to the Anglo-Saxon period, 185-90*. British Archaeological Reports, British Series, **87**: Oxford.

Maltby, M. 1982 Animal and bird bones. In (Higham, R. A.) Excavations at Oakhampton Castle, Devon. Part 2 - The Bailey. *Devon Archaeological Society* **40**, 19-151.

- Maltby, M 1983. The Animal Bone. In (Millett, M. and James, S. eds.) Excavations at Cowdery's Down, Basingstoke, Hampshire 1978-81. *Archaeological Journal* **140**, 151-280.
- Maltby, M. 1984. Animal Bones and The Romano-British economy. In (Grigson, C. and Clutton-Brock, J. eds.) *Animals in Archaeology: 4. Husbandry in Europe*, 125-138. British Archaeological Reports, International Series **227**: Oxford.
- Maltby, M. 1989. Urban rural variations in the butchering of cattle in Romano-British Hampshire. In (Serjeantson, D. and Waldron, T.) *Diet and Crafts in Towns*. 75-106.. British Archaeological Reports, British Series **199**: Oxford.
- Mariezurrena, K. 1986. La cabona ganadera del castillar de Mendavia (Navarra). *Separat Munibe* **86**. Sociedad de Ciencias Aranzadi San Sebastian.
- Marples, B. J. 1976. The Animal Bones. In (Hassal, T. G.) Excavations at Oxford Castle, 1965-1973. *Oxoniensia* **41**, 302-304.
- Marples, B. J. 1977. Animal Bones. In (Durham, B.) Archaeological investigations in St Aldates, Oxford. *Oxoniensia* **42**, 166-167
- Mason, D. 1985. *Excavations at Chester: 26-42 Lower Bridge Street, 1974-6, The Dark Age and Saxon Periods*. Chester City Council, Grovesnor Museum Archaeological Excavation and Survey Report 3.
- Masseti, M. 1996. The postglacial diffusion of the genus *Dama* Frisch, 1775, in the Mediterranean region. *Supplemento alle Ricerche di Biologia della Selvaggina* **25**. 7-29.
- Mayes, P. and Butler, L. A. S. 1983. *Sandal Castle Excavations 1964-1973*. Wakefield Historical Publications.
- Mayres, J. N. L. 1970. *The Angles, Saxons and the Jutes*. Proceedings of the British Academy **56**. 145-174.
- Mayr-Harting, H. M. and Moore, R. I. 1985. *Studies in Medieval History presented to R.C. H. Davis*. Hambledon: London.
- Meddens, B. 1987. *Assessment on the animal bone work for Wroxeter, Roman city. Shropshire: from sites at Wroxeter Barker and Wroxeter Webster*. Unpublished report to Ancient Monuments Laboratory, London.
- Meddens, B. 1990. *Animal Bones from Catterick Bridge (CEU 240) a Roman town (North Yorkshire) excavated in 1983*. Ancient Monuments Laboratory Report 98/90
- Meddens, B. 1997. The Animal Bones. In (Hurst, J. D.) *A Multi-Period Salt Production Site at Droitwich. Excavations at Upwich*. Council for British Archaeology Report **107**, 100-106

Mennell, S. 1985. *All Manners of food: eating and taste in England and France from the Middle Ages to the present*. Blackwell: Oxford

Merrik-Burrell, C. 1850. Documents relating to Knepp Castle. *Sussex Archaeological Collections* 3, 1-12.

Mettler, J. J. 1986. *Basic Butchery of Livestock and Game*. Garden Way: New York

Miles, D. 1984. *Archaeology at Barton Court Farm, Abingdon, Oxon*. Oxford Archaeological Unit Report 3, Council for British Archaeology Research Report 50.

Millais, J. G. 1906. *Mammals of Great Britain and Ireland*. Longman: London

Miller, E. and Hatcher, J. 1995 *Medieval England: Towns Commerce and Crafts 1068-1348*. Longman: London

Miller, T. 1890-1. *OE version Bede's Ecclesiastical History* Volumes I and II. Early English Texts Series.

Millet, M. 1998. *The Romanization of Britain: An Essay in Archaeological Interpretation*. Cambridge University Press.

Moffett, L. 1989. The Archeobotanical evidence for free-threshing tetraploid wheat in Britain. In (Vytlacok, S. ed.) *Palaeoethnobotany and Archaeology: International Work-Group for Palaeoethnobotany 8<sup>th</sup> Symposium Nitra-Nové Vozokany 1989*. 233-243. Acta Interdisciplinaria Archaeologica VII

Morel, C. 1985. *Inventaire des restes osseux provenant du site archéologique moyenâgeux de Saint-Denis - Contribution à l'étude de l'alimentation de l'homme*. Thèse pour le Doctorat vétérinaire, Ecole nationale vétérinaire d'Alfort.

Morris, G. 1990. Animal Bone and Shell. In (Ward, S. W. ) *Excavations at Chester: the lesser medieval religious houses, sites investigated 1964-1983*. Chester City Council Department of Leisure Services.

Murphy, P. 1987. Avian Eggshell. In (Ayers, B.) *Excavations at St-Martin-at-Palace Plain, Norwich 1981*. East Anglian Archaeological Report 37. 113-114 Norfolk Archaeological Unit.

Nachtsheim, H. 1949. *Vom Wildtier zum Haustier*. Paul Parey: Hamburg and Berlin

Napier, A. 1999. *The Old English Version of the Rule of Chrodegang*. Early English Text Series

Nicholson, R. 1995. Fish Bones. In (Andrews, P.) *Excavations at Redcastle Furze, Thetford 1988-9*. East Anglian Archaeology Report 72. 128-131. Norfolk Museum Service

Noddle, B. 1969 The Animal Bones. In (Rahtz, P.) Upton Gloucestershire, 1964-68 second report. *Transactions of the Bristol and Gloucestershire Archaeological Society* **88**, 124-126.

Noddle, B. A. 1970. In (Fowler, P.J., Gardner, K. S., and Rahtz, P. A. eds.) *Cadbury Congresbury, Somerset, 1968*, 37-40. Bristol.

Noddle, B. 1975a. A comparison of the animal bones from 8 Medieval sites in southern Britain. In (Clason, A. T. ed.) *Archaeozoological Studies. Paper of the Archaeozoological Conference 1974, held at the Biologisch archaeologisch Institut of the State University of Groningen*. North Holland Publishing: Amsterdam

Noddle, B. 1975b. The Animal Bones. In (Platt, C. and Coleman-Smith, R.), *Excavations in Medieval Southampton 1953-1969 Vol. I: the excavation reports*. 332-339. Leicester University Press: Leicester.

Noddle, B. 1976. Report on the Animal Bones from Walton, Aylesbury. In (Farley, M.) *Saxon and Medieval Walton, Aylesbury Excavations 1973-74. Records of Buckinghamshire* **20** (2). 153-290

Noddle, B. 1977. Mammal Bone. In (Clarke, H. and Carter, A.) *Excavations in Kings Lynn 1963-70*. 378-399. Society for Medieval Archaeology, Monograph Series 7.

Noddle, B. 1978. Some Minor Skeletal Differences in Sheep. In (Brothwell, D. R., Thomas, K. D., and Clutton-Brock, J. eds.) *Research problems in Zooarchaeology*. Institute of Archaeology Occasional Paper **3**.

Noddle, B. 1980. Identification and Interpretation of Animal Bones. In (Wade-Martins, P.) *North Elmham Park. Vol II*. 375-408. East Anglian Archaeology, Report **9**.

Noddle, B. 1983. Size and Shape, Time and Place: skeletal variation in cattle and sheep. In (Jones, M. ed.) *Intergrating the Subsistence Economy. Symposia of the Association for Environmental Archaeology. No 4*. 211-238. British Archaeological Reports, International Series **181**: Oxford.

Noddle, B. 1985a. Animal Bones. In (Shoesmith, R.) *Hereford City Excavations, Vol 3. The Finds*. The Council for British Archaeology Research Report **56**.

Noddle, B. 1985b. Some of the Faunal remains from Mary-Le-Port, Bristol. In (Watts, L. and Rahtz, P.) *Mary-Le-Port, Bristol Excavations 1962/3*. Bristol Museum and Art Gallery Monograph **7**.

Noddle, B. A. 1985c. The Animal Bones. In (Webster, G., Fowler, P., Noddle, B., and Smith, L.) *The Excavation of a Romano-British Rural Establishment at Barnsley Park, Gloucestershire 1961-1979: Part III. Transactions of Bristol and Gloucester Archaeological Society* **103**, 73-100.

Noddle, B. A. 1987. *Animal Bones from Jarrow, 3rd Report*. Ancient Monument

Laboratory Report 80/87

O'Connor, T. P. 1979. The Animal Bones. In (Freke, D. J.) Excavations in Tanyard Lane, Steyning 1977. *Sussex Archaeological Collections* **117**, 135-51.

O'Connor, T. P. 1982a. *The animal bones for Flaxengate, Lincoln c. 870-1500*. The Archaeology of Lincoln. Council for British Archaeology **18** (I)

O'Connor, T. P. 1982b. *The Archaeozoological Interpretation of Morphometric Variability British Sheep Limb Bones*. Unpublished PhD. University College London.

O'Connor, T. P. 1984. *Selected Groups of Bones from Skeldergate and Walmgate*. The Archaeology of York: the Animal Bones 15/1. York Archaeological Trust. Council for British Archaeology.

O'Connor, T. P. 1987. Why bother looking at archaeological wild mammal assemblages? *Circaea* **4** No. 2, 107-14.

O'Connor, T. P. 1988. *Bones from the General Accident Site, Tanner Row*. The Archaeology of York: the Animal Bones 15/2. York Archaeological Trust. Council for British Archaeology.

O'Connor, T. P. 1989a. *Bones from the Anglo-Scandinavian levels at 16-22 Coppergate*. The Archaeology of York: The Animal Bones 15/3. York Archaeological Trust. Council for British Archaeology.

O'Connor, T. P. 1989b. What Shall we Have for Dinner? Food Remains from Urban Sites. In (Serjeantson, D. and Waldron, T. eds.) *Diet and Crafts in Towns: The evidence of animal remains the Roman to the Post-Medieval periods*. 13-25. British Archaeological Reports, British Series **199**: Oxford.

O'Connor, T. P. 1991. *Bones from 46-54 Fishergate*. The Archaeology of York: the Animal Bones 15/4. York Archaeological Trust. Council for British Archaeology

O'Connor, T. P. 1992. Provisioning Urban Communities: a topic in search of a model. *Anthropozoologica* **16**, 101-106.

O'Connor, T. P. 1994. 8<sup>th</sup>-11<sup>th</sup> century economy and environment in York. In (Rachkam, J. ed.) *Environment and Economy in Anglo-Saxon England*. Council for British Archaeology Research Report **89**, 136-147.

O'Neil, H. E. 1945. The Roman Villa at Park Street near St Albans, Herts. Report on the Excavations of 1943-45. *Archaeological Journal* **102**, 21-110.

Orwin, C. S. 1949. *A History of English Farming*. Nelson: London.

O'Shea, R. 1992. The Animal Remains. In (Drewett, P. L.) Excavations at Lewes Castle, East Sussex. *Sussex Archaeological Collections* **130**, 69-106.

- O'Shea, R. 1993. The Animal Remains. In (Gardiner, M.) The excavation of a Late Anglo-Saxon Settlement at Market Field, Steyning, 1988-9. *Sussex Archaeological Collections* **131**, 21-67.
- O'Shea, R. 1996. The Animal Remains. In (Gardiner, M., Russel, M., and Gregory, D.) Excavations at Lewes Friary 1985-6 and 1988-9. *Sussex Archaeological Collections* **134**, 71-124.
- Page, W. ed. 1907. *The Victoria History of the County of Sussex 2*. Archibald Constable: London.
- Parfitt, S. 1988. The Animal Bones. In (Gardiner, M.) Excavations at Testers, White Horse Square, Steyning, 1985. *Sussex Archaeological Collections* **126**, 53-76.
- Parker, A. J. 1988. The birds of Roman Britain. *Oxford Journal of Archaeology* **7** (2), 197-226.
- Payne, A. 1990. *Medieval Beasts*. British Library: London.
- Payne, S. 1973. Kill-off patterns in sheep and goats: the mandibles from Asvan Kale. *Anatolian Studies* **23**, 139-47.
- Payne, S. and Bull, G. 1988. Components of variation in measurements of pig bones and teeth, and the use of measurements to distinguish wild boar from domestic pig remains. *Archaeozoologia* **2**, 27-66.
- Peck, R. W. 1986. *Applying contemporary analogy to the understanding of animal behaviour on Roman villa sites*. Unpublished doctoral thesis, University of Southampton.
- Pemberton, J. M. and Smith, R. H. 1985. Lack of biochemical polymorphism in British fallow deer. *Heredity* **55**, 199-207.
- Pernetta, J. 1974. The Animal Bones. In (Robinson, M.) Excavations at Copt Hay, Tetsworth, Oxon. *Oxoniensia* **38**, 41-115.
- Petit-Dutaillis, C. 1914. *Studies and Notes Supplementary to Stubb's Constitutional History II*. Translated by Waugh, W. T. Manchester University Press.
- Phillipson, D. W. 1964. In (White D. A.) Excavations at War Ditches, Cherry Hinton. *Proceedings of the Cambridge Antiquity Society* **56**, 9-29.
- Platt, C. 1976. *The English Medieval Town*. Secker and Warburg: London
- Pooley, E. 1945. *The Guilds of the City of London*. Williams: London
- Poplin, F. 1984. Contribution osteo-archéologique à la connaissance des astragales de



l'Antre corycien. In (Armandry, P. ed.) L'Antre corycien. *Bulletin de Correspondences Helléniques Supplément* 9, 381-393.

Poplin, F. 1987. La Decoupe et le partage du cerf en venerie. *Anthropozoologica* premier numéro spéciale.

Postan, M. M. 1966. *Cambridge Economic History of Europe*. Volume 1. Cambridge University Press: Cambridge.

Postles, D. 1984. The Osney Abbey Flock. *Oxoniensia* 49, 141-152

Potts, C. 1995. *Atque unum ex diversis gentibus populum effecit*: historical tradition and the Norman Identity, *Anglo-Norman Studies* 17 139-175

Powell, A. 1998. *Château de Mayenne: Assessment of the Animal Bones*. Unpublished assessment for Centre for Human Ecology and Environment, University of Southampton.

Powell, A. 1999. *Middle Saxon Animal Bone from Lake End Road and Lot's Hole*. Centre for Human Ecology and Environment Report.

Powell, A., Serjeantson, D. and Smith, P. forthcoming. food consumption and disposal: the animals remains. In (Hicks, M. and Hicks, A. eds.) *Excavations at St Gregory's Priory, Canterbury*. English Heritage

Powell, A. and Serjeantson, D. forthcoming. *Animal Bones from Pevensey Castle*.

Power, E. 1941. *The Wool Trade in English Medieval History*. Oxford University Press: Oxford.

Probert, W. 1823. *The Ancient Laws of Cumbria*. London.

Prummel, W. 1975. Some reflections on the faunal remains of the Roman castellum Valkenburg, excavations 1962. In (Clason, A. T. ed.) *Archaeozoological Studies*, 225-229. Amsterdam.

Prummel, W. 1997. Evidence of Hawking (Falconry) from bird and mammal bones. *International Journal of Osteoarchaeology* 7, 333-338.

Rackham, D. J. n.d. *The fauna from a 9<sup>th</sup>-century farmstead at Ribbleshead, West Yorkshire*. Ancient Monuments Laboratory Report No. 2970.

Rackham, J. 1994a. Economy and Environment in Saxon London. In (Rackham, J. ed.) *Environment and Economy in Anglo-Saxon England*. Council for British Archaeology Research Report 89, 126-136.

Rackham, J. 1994b. *Animal Bones, Interpreting the Past*. British Museum: London.

- Rackham, O. 1997. *The History of the Countryside: The Classic history of Britain's Landscape, Flora and Fauna*. Phoenix: London.
- Rahtz, P. 1979 *The Saxon and Medieval Palaces at Cheddar Excavations 1960-2*. British Archaeological Report. British Series **65**: Oxford.
- Reinken, G. 1997. *Wieder-Verbreitung. Verwendung und Namesgebung des Damhirsches Cervus dama I. In Europa*. Z. Jagdwiss. 43. 197-206.
- Reynolds, A. 1999. *Later Anglo-Saxon England: Life and Landscape*. Tempus. Stroud.
- Richards, J. 1991. *The Viking Age*. English Heritage: London
- Ritvo, H. 1987. *The Animal Estate: The English and other creatures in the Victorian age*. Harvard University press.
- Robertson, A. J. 1939 *Anglo-Saxon Charters*. Cambridge University Press: Cambridge
- Robinson, R. 1984. Rabbit. in (Mason I. L. ed.) *Evolution of Domesticated Animals*. 239-246 Longman: London
- Rooney, A. 1993. *Hunting in Middle English Literature*. Boydell Press: Cambridge.
- Round, J. H. 1895. *Feudal England: Historical Studies on the XIth and XIIth centuries*. Sonnenschein and Co: London.
- Round, J. H. 1899. Some Early Sussex Charters. *Sussex Archaeological Collections* **42**, 73-86.
- Round, J. H. 1903. *Victoria County History Essex I*: London
- Rowley, T. 1981. *The Origins of Open Field Agriculture*. Croom Helm: London
- Rowley, T. 1984. *The Norman Heritage 1066-1200*. Granada: London
- Rowley, T. 1997. *Norman England. An archaeological perspective on the Norman Conquest*. Batsford/ English Heritage: London
- Rowley, T. 1999. *The Normans*. Tempus: Stroud.
- Rutter, J. D. and Duke, G. 1958. *Excavations at Crossgates near Scarborough, 1947-56*. Scarborough.
- Ryder, M. L. 1964. The history of sheep breeds in England. *Agricultural History Review* **9**, 1-12.
- Ryder, M. L. 1975. Some Phoenician animal remains from Sicily. In (Clason, A. T. ed) *Archaeozoological studies. Archaeozoological studies: Paper of the Archaeozoological*

Conference 1974, held at the Biologisch archaeologisch Institut of the State University of Groningen. 213-218. North Holland Publishing: Amsterdam.

Ryder, M. L. 1983. *Sheep and Man*. Duckworth: London.

Ryder, M. L. 1991a. Milestones in the History of Sheep: 1 The 'wild' Mouflon. *ARK*, February, 50-51.

Ryder, M. L. 1991b. Milestones in the History of Sheep: 2 The Soay Breed of St Kilda. *ARK*, April, 131.

Ryder, M. L. 1991c. Milestones in the History of Sheep: 3 The Orkney Sheep. *ARK*, June, 221

Sabine, E. L. 1933. Butchering in Medieval London. *Speculum: A Journal of Medieval Studies* 8, 335-353

Sackett, J. R.. 1986. Style, function and assemblage variability: a reply to Binford. *American Antiquity* 51 (3) 628-634.

Sadler, P. 1989. The animal bones. In (Hawkins, J.) Medieval and Post-Medieval Occupation at the Teachers Centre, Walton Road. *Records of Buckinghamshire* 31, 209-17.

Sadler, P. 1990. The Faunal remains. In (Fairbrother, J. R.) *Facombe Netherton: Excavations of a Saxon and Medieval Manorial Complex II*. British Museum Occasional Paper 74.

Sadler, P. 1991. The use of tarsometatarsi in sexing and ageing domestic fowl (*Gallus gallus* L.), and recognising five toed breeds in archaeological material. *Circaea* 8(1), 41-48

Sakala LaBianca, O. and von den Driesch, A. 1995. *Hesban 13 Faunal Remains: Taphonomical and zooarchaeological study of the animal remains from Tell Hesban and vicinity*. Andrews University Press.

Salisbury, C. R. 1981. An Anglo-Saxon Weir at Colwick, Nottinghamshire. *Transactions of the Thoroton Society* 87, 54-59.

Salisbury, J. 1985 *Iberian Popular Religion, 600B.C. to 700A.D.* Edwin Mellen Press: New York.

Salisbury, J. E. 1994. *The Beast Within: Animals in the Middle Ages*. Routledge: London.

Savage, H. L. 1933. Hunting in the Middle Ages. *Speculum: A Journal of Medieval Studies* 8, 30-40.

Sawyer, P. H. 1965. The wealth of Britain in the Eleventh century. *Transactions of the Royal Historical Society 5<sup>th</sup> series* **14**, 155-64.

Sawyer, P. H. 1968. *Anglo-Saxon Charters: An Annotated List and Biography*. Royal Historical Society: London.

Schmid, E. 1973. Ziegenhörner als Gerberei-Abfall, *Schweiz Volkskunde* **63**, 65-6

Schmidt-Pauly, I. 1980. *Römerzeitliche und Mittelalterliche tierknochenfunde aus Breisach im Breisgau*. Inaugural Dissertation zur Erlangung der veterinärmedizinischen Doktorwürde der Tierärztlichen Fakultät der Ludwig-Maximilians-Universität. München.

Schnibler, J. and Furger, A. R. 1993. *Die tierknochenfunde aus Augusta Raurica (Grabungen 1955/1974)*. Forschungen in Augst **9**

Scott, S. 1991. The Animal Bones. In (Armstrong, P., Tomlinson, D., and Evans, D. H. eds.) *Excavations at Lurk Lane, Beverley 1979-82*. Sheffield Archaeological Reports **1**.

Scott, S. 1992. The Animal Bones. In (Evans, D. H. and Tomlinson, D. G.) *Excavations at 33-35 Eastgate, Beverley 1983-86*. Sheffield Excavation Reports **3**.

Scott, S. 1994. The Animal Bone. In (K. Steedman) *Excavation of a Saxon Site at Riby Cross Roads, Lincolnshire*. *Archaeological Journal* **151**, 212-306.

Scully, T. 1995. *The Art of Cookery in the Middle Ages*. Boydell: Suffolk

Seddon, D., Calvocoressi, D., and Cooper, C., with Higgs, E. S. 1964. Fauna. In (Addyman, P. V.) *A Dark Age Settlement at Maxey, Northants*. *Medieval Archaeology* **8**, 69-71.

Serjeantson, D. 1989 Animal Remains and the Tanning Trade. In (Serjeantson, D. and Waldron, T. eds.) *Diet and Crafts in Towns: The evidence of animal remains the Roman to the Post-Medieval periods*. 129-147. British Archaeological Reports, British Series **199**: Oxford.

Serjeantson, D. 2000. Good to eat and good to think with: classifying animals from complex sites. In (Rowley-Conwy, P. ed.) *Animal Bones, Human Societies*, 179-89. Oxbow: Oxford

Serjeantson, D. 2000. Bird bones. In (Young, C. J.) *Excavations at Carisbrooke Castle, Isle of Wight, 1921-1996*. 182-185.

Serjeantson, D. Ayers, K. and Locker, A. forthcoming. The diet of the occupants of the Abbey: the animal remains. In (Keevil, G. ed) *The late Saxon and medieval Benedictine abbey of Eynsham, Oxfordshire: archaeological investigations 1989-1992*. Thames Valley Monograph: Oxford.

Serjeantson, D. and Locker, A. 1997. *Fish consumption in medieval southern England*:

*the archaeological evidence*. Paper to ICAZ fish conference.

Shaw, M. 1993. The excavation of a late 15<sup>th</sup>- to 17<sup>th</sup>-century tanning complex at The Green, Northampton. *Post-Medieval Archaeology* **30**, 63-127

Sheail, J. 1971. *Rabbits and their History*. Davis and Charles: Newton Abbot.

Sheail, J. 1984. The Rabbit. *Biologist* **31** (3), 135-140

Shopkow, L. 1997. *History and Community: Norman Historical Writing in the 11<sup>th</sup> and 12<sup>th</sup> centuries*. Catholic University of America Press.

Silver, I. A. 1971. The ageing of domestic animals. In (Brothwell, D. and Higgs, E. S. eds.) *Science in Archaeology* (revised edition), 283-302. Thames and Hudson: London

Simoons, F. J. 1994 2<sup>nd</sup> Edition. *Eat Not This Flesh*. University of Wisconsin Press: Wisconsin.

Smith, R. M. 1988. Human Resources. In (Astill, G. and Grant, A.) *The Countryside in Medieval England*. Blackwell: Oxford

Smith, P. 1994. *The Early Norman Animal Bone from Carisbrooke Castle, the Isle of Wight*. Ancient Monuments Laboratory Report 49/94.

Smith, P. 1995. *The Fish Bones from Launceston Castle, Cornwall*. Ancient Monuments Laboratory Report 56/95.

Southern, H. N. 1965. *The Handbook of British Mammals*. Blackwell: Oxford

Speth, J. D. 2000. Boiling vs. baking and roasting: a taphonomic approach to the recognition of cooking techniques in small mammals. In (Rowley-Conwy, P. ed.) *Animal Bones, Human Societies*, 89-105. Oxbow: Oxford

Spiegeleire, M. A. de 1982. Tourinnes-Saint-Lambert. Les restes d'animaux du site gallo-romain. *Wavriensia* **31**, 100-108.

Stafford, P. 1980 The "Farm of One Night" and the organisation of King Edwards's Estates in Domesday. *Economic History Review* 2<sup>nd</sup> series **33**, 491-502.

Steane, J. M 1988. The Royal Fishponds of Medieval England. In (Aston, M. ed.) *Medieval Fish, Fisheries and Fishponds in England* (I), 39-68. British Archaeological Reports, British Series **182**: Oxford.

Steane, J.M 1993. *The Archaeology of the Medieval English Monarchy*. Batsford: London

Stenton, D. M. 1986. *English Society in the Early Middle Ages (1066-1307)* The Pelican History of England **3**. Penguin Books: Middlesex.

- Stenton, F. 1908. *William the Conqueror and the Rule of the Normans*. London.
- Stenton, F., 1943. *Anglo-Saxon England*. Oxford University Press: Oxford.
- Stevens, P. 1990. The animal bones. In (Gardiner, M.) An Anglo-Saxon and Medieval settlement at Boltophs, Bramber, West Sussex. *Archaeological Journal* **147**, 258-259
- Stevens, P. 1992. The Vertebrate Remains from Site 39. In (Milne, G. and Richards, J. D. eds.) *Two Anglo-Saxon Buildings and Associated Finds*. York University Archaeology **9**.
- Stevens, P. 1997. In (Lyne, M.) *Lewes Priory: excavations by Richard Lewis 1969-82*. Lewes Priory Trust
- Sutermeister, H. 1976. Burpham: A settlement site within the Saxon defences. *Sussex Archaeological Collections* **114**, 194-207.
- Sykes, N. J. 1997. *Animal bones from the Saxo-Norman site in North Street, Lewes: a re-analysis and re-interpretation*. Unpublished MSc dissertation, Institute of Archaeology, University College London.
- Sykes, N. J. forthcoming. The Animal Bones In (Poulton, R.) *Guildford Castle and Royal Palace*. Surrey Archaeological Society publication.
- Taylor, M. 1996. The impact of the Norman ecclesiastical revival in Britain after 1066 - a summary. In (Delestre, X. and Woodcock, A. eds.) *Proximus*. Publication of the archaeological round table Dieppe 17<sup>th</sup> and 18<sup>th</sup> September, 125-129
- Teichert, M. 1984. Size variation in cattle from Germani Romana and Germania libera. In (Grigson, C. and Clutton-Brock, J. eds.) *Animals in Archaeology 4: Husbandry in Europe*. 93-103. British Archaeological Reports, International Series, **227**: Oxford.
- Thacker, A. T. 1988. Early Medieval Chester: the historical background. In (Hodges, R. and Hobley, B. eds.) *The Rebirth of Towns in the West AD 700-1050*. Council for British Archaeology Research Report **68**, 119-124
- Thawley, C. 1981. The Mammal, Bird and Fish Bones. In (Mellor, J. E and Pearce, T.) *The Austin Friary, Leicester*. Council for British Archaeology Research Report **35**. Leicester Archaeology Field Unit Report.
- Thibébaux, M. 1967. The Medieval Chase. *Speculum: A Journal of Medieval Studies* **47**, 260-274.
- Thomas, R. 1988. A statistical evaluation of criteria used in sexing cattle metapodials. *Archaeozoologica* **2** (1.2), 83-92

- Thomas, R. 1989. *Cattle and the Romano-British Economy: A metrical analysis of size variation*. Unpublished PhD thesis, University of Southampton.
- Thompson, M. 1991. *The Rise of the Castle*. Cambridge University Press.
- Thompson, M. 1995. *The Medieval Hall: the basis of secular domestic life 600-1600AD*. Scholar Press: Aldershot
- Thorpe, L. 1973. *The Bayeux Tapestry and the Norman Invasion*. The Folio Society: London
- Tittensor, A. M. and Tittensor, R. M. 1985. The Rabbit Warren at West Dean near Chichester. *Sussex Archaeological Collections* 123, 151-87.
- Toynbee, J. M. C. 1973. *Animals in Roman Life and Art*. Thames and Hudson: London.
- Tranier, M. 1973. Antre Corycien, Note sur la faune des vertèbres associée au gisement préhistorique. *Bulletin de correspondences Helléniques* 97. Chroniques et rapports en 1972, 528-538.
- Trevelyan, G. M. 1957. *Illustrated English social history. Vol 3. The eighteenth century*. Longman: London.
- Trigger, B. 1995. Romanticism, nationalism and archaeology. In (Kohl, P. L.) and Fawcett, C. eds) *Nationalism, Politics and the Practice of Archaeology*. 263-79. Routledge: London.
- Trow-Smith, R. 1957. *A History of British Livestock Husbandry to 1700*. Routledge and Kegan Paul: London.
- Uerpman, H.-P. 1970. *Studien überfrühe Tierknochenfunde von der Iberischen Halbinsel*. Inaugural dissertation zur Erlangung der tiermedizinischen Doktorwürde der Tierärztlichen Fakultät der Ludwig-Maximilians-Universität München. Institut für Palaeoanatomie, Domestikationsforschung und Geschichte der Tiermedizin der Universität München.
- Uerpman, H.-P. 1987. The Ancient Distribution of Ungulate mammals in the Middle East. In *Beihefte zum Tübinger Atlas des vorderen orientis Reihe A (Naturwissenschaften)* 27.
- Vadet, A. and Villette, P. 1986. *Les ossements animaux du puits S.14 à Douai. Mémoires de la Société Académique du Boulonnais, Tome I Fascicule 3. Société d'Histoire Naturelle du Boulonnais*.
- Vanderford, S. 1997. Biometrical analysis of medieval and post-medieval rabbits Unpublished MSc dissertation. Institute of Archaeology, London.

Van Damme, D. and Eryvynck, A. 1988. Medieval Ferrets and Rabbits in the Castle of Laarne (East Flanders Belgium): A contribution to the history of a predator and its prey. *Helinium* **28** (2), 278-284.

Veale, E. M. 1957. The Rabbit in England. *English History Review* **5**, 85-90.

Vince, A. 1989. ed. *Aspects of Saxo-Norman London; II Finds and Environmental Evidence*. London and Middlesex Archaeological Society, Special Paper **12**.

Vince, A. 1994. Saxon Urban economies: an archaeological perspective. In (Rackham, J. ed.) *Environment and economy in Anglo-Saxon England: a review of recent work on the environmental archaeology of rural and urban Anglo-Saxon settlements in England*. Proceedings of the conference held at the Museum of London, 9-10 April, 1990. Council for British Archaeology Research Report **89** 109-119.

von den Dreisch, A. and Boessneck, J. 1974. Kritische Anmerkungen zur Widerristhohen-Berechnung aus langmassen vor- und fruhgeschichtlicher Tierknochen. *Saugetierkundliche Mitteilungen*, **22** (4), 325-48.

von den Dreisch, A. 1976. *A Guide to the Measurement of Animal Bones from Archaeological Sites*. Peabody Museum Bulletin **1**. Harvard University Press

Wade-Martins, P. 1980. *North Elmham Park. Vol II*. East Anglian Archaeology, Report **9**.

Wade, K. 1988. Ipswich. In (Hodges, R. and Hobley, B. eds.) *The Rebirth of Towns in the West AD 700-1050*. 93-100. Council for British Archaeology Research report **68**.

Walker Bynum, C. 1997. Fast, Feast and Flesh: the religious significance of food to medieval women. In (Counihan, C. and van Esterik, P. eds.) *Food and Culture: A Reader*. Routledge: New York.

Wapnish, P. and Hesse, B. 1988. Urbanisation and the Organisation of Animal Production at Tell Jemmeh in the Middle Bronze Age Levant. *Journal of Near Eastern Studies* **47** (2), 81-89.

Warry, J. 1988. The Ancient History of Rabbits. *The Local Historian* **18**, 13-15.

Watson, J. P. N. 1973. In (Chapman, H. and Johnson, T. eds.) Excavations at Algate and Bush Lane House in the City of London. *Transactions of the London and Middlesex Archaeological Society* **24**, 1-73.

Webb, C. C. J. 1932. *John of Salisbury*. London

Webster, L. 1986. Anglo-Saxon England AD 400-1100. In (Longworth, I. And Cherry, J. eds) *Archaeology in Britain since 1945*. British Museum Press: London

Welch, M. 1992. *Anglo-Saxon England*. English Heritage/Batsford: London.



- West, B. and Rackham, J. 1993a. Birds and Mammals. In (Cowie, R and Whitehead, R.) Two Middle Saxon Occupation Sites: excavations at Jubille Hall and Maiden Lane. *Transactions of the London and Middlesex Archaeological Society* **39** (1988), 150-154.
- West, B. and Rackham, J. 1993b. Animal Remains. In (Cowie, R. ed.) Excavations at the Peabody Site, Chandos Place and the National Gallery. *Transactions of the London and Middlesex Archaeological Society* **40** (1989), 148-168.
- Westly, B. 1974. In (Manning, W. H.) Excavations on Late Iron Age, Roman and Saxon sites from Ufton Nervet, Berkshire. In *Berkshire Archaeological Journal* **67**, 1-61.
- Westly, B. 1976. Animal Bones. In (Holden, E. W.) Excavations at Old Erringham, Shoreham, West Sussex Part I: A Saxon Weaving Hut. *Sussex Archaeological Collections* **114**, 306-22
- Westly, B. 1977. The animal bones. In (Barton, K. J. and Holden, E. W.) Excavations at Bramber Castle, Sussex, 1966-7. *Archaeological Journal* **134**. 67-68.
- Westly, B. 1980a. Animal Bones. In (Holden, E. W.) Excavations at Old Erringham, Shoreham, West Sussex Part II: The 'Chapel' and Ringwork. *Sussex Archaeological Collections* **118**, 257-97.
- Wheeler, A. 1979. Fish Remains. In (Parrington, M.) Excavations at Stert Street, Abingdon, Oxon. *Oxoniensia* **44**, 21-23.
- Wheeler, R. E. M. and Wheeler, T. V. 1932. *Report on the Excavation of the Prehistoric, Roman and Post-Roman site in Lydney Oak, Gloucester*. Report of the Research Committee of the Society of Antiquaries, London **9**.
- White, K. D. 1970. *Roman Farming*. Thames and Hudson: London.
- Whitehead, K. G. 1972. *Deer of the World*. Constable: London.
- Whitehouse, R. and Whitehouse, D. 1974. In (Stanford, C.) *Croft Ambrey: Excavations carried out for the Woolhope Naturalists' Field club*. Adams and Sons: Hereford.
- Whitlock, D. 1930. *Anglo-Saxon wills*. No XIII Cambridge University Press: Cambridge.
- Whitlock, D. 1955 ed. *English Historical Documents c.500-1042*. Eyre and Spottiswoode: London
- Whitlock, D. 1968. *The Will of Aethelgyfu*. New Collections Roxburghe Club.
- Whitlock, M. J. 1986. *The Origins of England*. Croom Helm.

- Wickham, C. 1994. *Land and Power; Studies in Italian and European Social History, 400-1200*. British School at Rome: London.
- Williams, A. 1997. *The English and the Norman Conquest*. Boydell and Brewer: Suffolk
- Williams, A. 1999. *Kingship and Government in Pre-Conquest England*. Macmillan: Basingstoke
- Williams, J. H. 1979. *St Peters Street Northampton: Excavations 1973-1976*. Archaeological Monograph 5. Northampton Development Corporation 2.
- Wilson, B. 1974. Bone Report. In (Miles, D.) Excavations at West St, Helen Street, Abingdon, 1972. *Oxoniensia* 39.98-101
- Wilson, B. 1976. The Animal Bones. In (Rodwell, K. A.) Excavations on the Site of Banbury Castle. *Oxoniensia* 41, 144-147
- Wilson, B. 1979. The Mammal Bones and other Environmental Records. In (Parrington, M.) Excavations at Stert Street, Abingdon, Oxon. *Oxoniensia* 44, 16-21.
- Wilson, B., Bramwell, D., and Wheeler, A. 1975. The Animal Bones from the Broad Street and Old Gaol sites. *Oxoniensia* 40. 105-121
- Wilson, B. and Bramwell, D. 1980. Animal Bone and Shell. In (Palmer, N.) A Beaker Burial and Medieval Tenement in The Hamel, Oxford. *Oxoniensia* 45 198-199.
- Wilson, B., Locker, A. and Marples, B. 1989. Medieval animal bone and marine shells from Church Street and other sites in St Ebbes, Oxford. *Oxoniensia* 54, 258-268.
- Wilson, B. and Locker, A. 1995. Animal Bone. In (Roberts, M.) Excavations at Jowett Walk, Oxford. *Oxoniensia* 60, 241-3.
- Wilson, B. 1996. *Spatial Patterning among Animal Bones in Settlement Archaeology: An English regional exploration*. British Archaeological Reports, British Series 251: Oxford.
- Wilson, C. A. 1973. *Food and Drink in Britain*. Constable: London.
- Wilson, D. M. 1976. ed. *The Archaeology of Anglo-Saxon England*. Methuen: London.
- Wilson, T. 1995. Animal Bones. In (Andrews, P.) *Excavations at Redcastle Furze, Thetford 1988-9*. East Anglian Archaeology Report 72. 120- 128. Norfolk Museum Service.
- Wiseman, J. 1986. *A history of the British Pig*. Duckworth: London.

- Wolfe, E. R. 1982. *Europe and the People without History*. University of California Press: Berkeley, London.
- Woolgar, C. M. 1999. *The Great Household in Late Medieval England*. Yale University Press
- Yalden, D. 1999. *A History of British Mammals*. T. and A. Poyser: London.
- Yannouli, E and Trantalidou, K. 1999. The fallow deer (*Dama dama* Linnaeus, 1758): Archaeological presence and representation in Greece. In (Benecke, N. ed.) *The Holocene history of the European vertebrate fauna*. Modern aspects of research workshop, 6<sup>th</sup>-9<sup>th</sup> April 1998 Berlin. Rahden/Wesft.
- Yapp, W. B. 1983. Game-birds in medieval England. *Ibis* **125**, 218-221.
- Yealland, S. and Higgs, E. S. 1966. The Economy. In (Hilton, R. A. and Rahtz, P. A.) Upton Gloucestershire, 1959-1964. *Transactions of the Bristol and Gloucester Archaeological Society* **85**, 70-140
- Yvinec, J.-H. 1988. Alimentation Carnée au début du Moyen Âge. *Anthropozoologica* Second Numero Spécial. 122-128.
- Yvinec, J.-H. 1993. La part du gibier dans l'alimentation du haut Moyen Âge. *Exploitation des Animaux Sauvage a Travers le Temps*. 491-504. XIIIe Rencontres Internationale d'Archéologie et d'Histoire d'Antibes Ive Colloque international de l'homme et l'animal, Société de recherche interdisciplinaire
- Yvinec, J.-H. 1997. Fouilles de sauvetage sous la place du marché à Compiègne (Oise) 1991/1993: L'évolution urbaine de l'aire palatiale du haut moyen âge aux marché Médiéval et moderne. *Revue archéologique de Picardie*. No Spécial 13.
- Zeuner, F. E. 1963. *A History of Domesticated Animals*. Hutchinson: London.