Appendix K: Faunal Analysis Report (Heinrich Archaeological Consulting)

Faunal Analysis of Bones Recovered During Excavations at the Dunham House (28-Mi-220) in Woodbridge, New Jersey.

Analysis and report for

Archaeological Society of New Jersey

by

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This report summarizes a faunal collection recovered during excavations by the Archaeological Society of New Jersey (ASNJ) at the Dunham House site (28-Mi-220) in Woodbridge, New Jersey. The faunal remains were recovered off the western face of the house from three excavation units (EUs) dug to investigate rich artifact deposits that were identified in shovel tests. Table 1 summarizes the contexts provided for the faunal analysis.

The site history is detailed in the report by the ASNJ and is only summarized here focusing on the time periods represented by the examined archaeological deposits in order to provide a context for the faunal remains. The property on which the Dunham/Barron house is located was first built upon by Jonathan Dunham (d. 1704) and his family who owned the land from 1696 until 1727. The current house on the site was likely constructed by Jonathan's son Benjamin at about 1709 as indicated by dendrochronological dating of cellar timbers. After the Dunhams, the property was owned by John Van Horne from about 1727-1733 before it was acquired by the Barrons who owned it until 1872. It is unclear if Van Horne occupied the land as he was based out of New York City (Honeyman 1918:500). It is also unknown when the occupancy by Samuel Barron began, but he was occupying the site by 1752 as indicated in a newspaper advertisement (Nelson 1897:133). After the Barrons, a late nineteenth-century addition was built onto the 1709 house and also off its north side likely creating deposits that capped those studied here.

Table 1: Summary of the contexts analyzed with dates and site occupants possibly responsible for the deposits.

Catalog #	EU #	Level #	Stratum	Date	Occupation
152	7	8	Fill 5	Post 1830s	Mixed 18th-19th century material
153	7	9	Fill 5A	Post 1820s	Mixed 18th-19th century material
154	7	10	Fill 6	Early 18th century-1809	Dunham family and Samuel Barron
155	7	11	Fill 7	Early to late 18th century	Dunham family and Samuel Barron
156	7	12	Fill 8	Mid-18th century	Possible Samuel Barron
169	8	5	Fill 2	1760s-1801	Samuel Barron
170	8	6	Fill 2	1760s-1801	Samuel Barron
171	8	7	Fill 2	1760s-1801	Samuel Barron
172	8	9	Fill 3	Post 1762	Possible Samuel Barron
189	9	6	Fill 5	18th-early 19th century	Possible Samuel and John Barron
190	9	7	Fill 6	18th-early 19th century	Possible Samuel and John Barron
191	9	8	Fill 6	18th-early 19th century	Possible Samuel and John Barron

The ASNJ report on the excavations provides some details about animals owned by site occupants, which may have appeared on the site and incorporated into the archaeological deposits. The first mention of livestock is during the ownership by Jonathan Dunham who is recorded to have sold a cow, a calf, and a yoke of oxen to pay for clothes so that Mary Ross, Jonathan's criminal accomplice back in Massachusetts and possible mistress, could be provisioned on a return trip to New England.

During the occupation by Samuel Barron, the 1752 newspaper advertisement alerting of the property's sale identified a convenient salt meadow along Woodbridge Creek that could be used for stock grazing (Nelson 1897:133). Samuel would come to own several pieces of land in Woodbridge, and presumably acquired the site's property when it was put on sale. In addition to his agricultural pursuits, Samuel also controlled a tannery within Woodbridge Township (Myers 1995:502-503; Ward 1934:11). In the later eighteenth century, his tax records note that he owned four horses, 10 horned cattle, and one hog on 227 acres in 1778 (Woodbridge Township Tax Ratable 1778). In 1784, Samuel was taxed on

246 acres with five horses and 30 cattle (Woodbridge Township Tax Ratable 1784). His livestock quantities dropped to four horses and 20 horned cattle in 1785, though now on 196 acres (Woodbridge Township Tax Ratable 1785). By 1786, he was again taxed on 246 acres, but his livestock numbers remains steady through 1793 (Woodbridge Township Tax Ratable 1787, 1788, 1789, 1793). In 1797, his holdings had diminished to only two horses and 12 cattle. Samuel died in 1801 and his probate of September 16th recorded a range of cattle, hogs and sheep in greater quantities than his tax records indicate during the late eighteenth century. Table 2 summarizes the livestock in Samuel's probate with their assessed values.

Samuel's 1801 probate reveals that he was able to rebuild his livestock holdings between 1797 and his death as he was in possession of three horses, at least 25 cattle, five hogs, and 25 sheep (Table 2). His previous tax records and the probate reveals that Samuel's animal economic activities relied heavily on cattle who are identified as performing a range of work including draught by oxen, meat from steers, and milk from cows. While he owned milk cows and "dairy dishes," his inventory also includes butter indicating one type of dairy product produced on the property. His cattle were managed and bred in order to maintain their numbers as indicated by three bulls and several "year old heafers" and "yearling" steers. In addition to the range of cattle, Samuel owned five hogs and 25 sheep. The hogs would have been for food, including meat that could be salted, pickled, or smoked over winter and this may be indicated by "meat casks." The high number of sheep suggests wool production, and three sheep shears were recorded, though no stock of wool fiber or cloth is noted. The large number of sheep in the probate was unexpected as the tax records did not record sheep.

Table 2: Selection of items in Samuel Barron's probate of September 16, 1801 related to livestock and other objects that could have been used for animal products, animal feed, or animal labor.

Items	***£***	***S***	***d***
Sundries of Dairy Dishes	2	18	0
3 Axes and a Saw 20/ Carpet 24/ 3 pr. Sheep Shears 6/	2	10	0
2 Post Butter	0	40	0
Washing Tubs & Meat Casks 50/6 2 Dutch Ploughs 110/	8	0	6
Sythes and Cradle 25/ Old Riding Chair 60/	4	7	0
Chains & Ox Yokes 51/ Flax 40/ Ox Cart £8 0 0	12	11	0
Riding Chair	24	0	0
14 Tons of Hay £6. 1 Stack of Hay & Oats £ 6 1 0	90	1	0
1 Stack Lott £10 0 1 Waggon £8 0 0	18	10	0
1 Cow £7 0 0 1 Yoak Oxen £32 0 0	39	0	0
3 Steers £28 0 0 2 Cowes £16 10 0	44	10	0
2 Calves 80/ 3 horses £46 0 0 Barrel of hay £30 0 0	80	0	0
2 Stack Lott Hay £24 0 0 2 Stack Ditto £14 18 0	38	8	0
5 Milk Cows £33 15 0 3 Year old heafers £22 10 0	56	5	0
2 Bulls 3 white face Star £3 5 0	9	15	0
2 Steers £10 0 0 3 yearlings £9 15 0	19	15	0
1 ??? old bull	5	10	0
5 hogs £16 0 0 25 Sheep £22 10 0	38	10	0
Indian Corn in the field	37	0	0
Hay in the little Barn	4	8	0

After Samuel's death, his son John (b. 1760) assumed control of the site, while other portions of his father's properties were distributed to his other sons. John's tax record for 1802 indicates his ownership of 51 acres whereon were three horses and 20 cattle (Woodbridge Township Tax Ratable 1802). By 1809, his livestock decreased to three horses and eight cattle, and a record from 1810 indicates that John had 10 tanning vats that were inherited from his father (Woodbridge Township Tax Ratable 1809, 1810). John's livestock would remain relatively few in number with two horses and between six and seven cattle into the early 1820s. He did acquire a dog by 1817 and a second by 1821, on which he was taxed (Woodbridge Township Tax Ratable 1817, 1818, 1819, 1821). After John's death in about 1826, censuses and mortgages record site occupants, but information about livestock is no longer available. By the later nineteenth century, the house would become the parsonage for Trinity Church, which presumably removes the property from farming activities (Dally 1873:17).

Methodology:

Each bone specimen was examined in order to identify taxon, skeletal part, age, butchery traces, and other relevant information. These examinations were aided by slight magnification with a 10x-power hand lens (Blumenschine et al. 1996).

Identification to the most specific taxonomic level and skeletal element was made for each bone fragment in the collection (see Coding Conventions in Appendix A). A catalog of the faunal remains is presented in Appendix B. Taxonomic and skeletal part identifications were aided by comparative collections. These collections contain domestic animals and a wide range of wild animals. Additional aids include osteological manuals (Cohen and Serjeantson 1996; Schmid 1972). Each bone fragment was measured in maximum width and length dimensions using metric calipers in order to collect the data for assessments of fragmentation and for potential future use if additional excavation occurs at the site. Osteometric measurements were recorded for various bone landmarks according to von den Driesh (1976).

An analyst often encounters bone fragments that cannot be identified to the species level. Understanding coarser taxonomic distinctions that have diagnostic bone forms and landmarks can allow many fragments to be classified as bovidae, artiodactyla, rodentia, carnivora, mammalia, etc. In addition to understanding taxonomic hierarchy, C. K. Brain's (1981) relative body sizes are also applied to specimens that can and cannot be identified to the species level. This provides a more informative identification for fragments that might otherwise be identified coarsely as small, medium, or large mammal. It also allows data to be sorted according to relative bone size. Brain's relative body size categories are more informative than the typical categories used by historical zooarchaeologists for mammals. The small, medium, large distinctions are kept for avian specimens. These size classes are defined in Table 3.

The standard quantification of number of identified specimens (NISP) is used to express the raw count of bone fragments identified to particular analytical categories. The principle of interdependence usually causes NISP to be a less fit quantification when attempting to compare taxonomic abundances because taphonomic processes may not be equal between contexts or even among taxa from the same context. Minimum numbers of individuals (MNI) was also used to determine the abundance of each taxon while accounting for animal age and fragment overlap (Grayson 1973:432-433; 1978:203; 1984:20-24, 28; Klein and Cruz-Uribe 1984:25; Lyman 1979:536).

Table 3: Animal size classes used in the faunal analysis.

Category	Size	Example
Mammals	1a	Rodents
	1b	Larger carnivores, rabbits, domestic cats, raccoons
	2	Sheep, pigs, deer
	3	Cattle, horses
Birds	Small	Song birds
	Medium	Chickens, ducks
	Large	Turkeys, geese

While MNI provides a count of complete animals represented, site occupants could be using specific portions of animals or distributing portions to other places. Ranked organizations such as the military and consumers engaged in capitalist markets can create situations where incomplete animals are purchased or distributed to the consumers based on status such as through purchasing power (Heinrich and Giordano 2015; Huelsbeck 1987; 1991; Lyman 1977; 1979; 1987; Schulz and Gust 1983). These potentially uneven distributions can make MNI a misleading quantification as it implies complete animals. Attention was paid to skeletal element frequencies, such as which parts of skeletons are present. An effort was made to identify meat cuts that became standardized in the nineteenth century to determine if particular cuts or portions of carcasses were preferred if the meat was acquired from a butcher. Meat cuts were determined by information published on zooarchaeological research of market systems (AECOM 2016; Schulz and Gust 1983). Identifications were made to the most specific primary (wholesale) or secondary (retail) meat cuts, when possible (Figures 1 and 2).

The ages at which animals were slaughtered were determined by tooth eruption, by tooth wear, and by bone epiphyseal fusion. Aging data for tooth development is applied to the archaeological material using Silver (1969) and Bull and Payne (1982).

Results:

In total, 622 faunal specimens were catalogued from the 12 contexts presented in Table 1. Likely due to their recovery from redeposited fill layers, the assemblage was excavated by shovel which caused high degrees of fragmention during excavation. When multiple, freshly broken fragments of an originally individual specimen were identified, they were catalogued as a single entry. Table 4 summarizes the numbers of bone fragments which factor into taphonomic assessments and shell and isolated teeth that are omitted from taphonomic analyses due to their inability to retain traces of butchery and post depositional modifications. While the entire assemblage from the Table 1 contexts was cataloged, the following analysis splits the assemblage into those contexts that are better dated to the Dunham and Barron families (Catalog #s 154-191) and those that date to the mid-nineteenth century (Catalog #s 152-153) and may represent Samuel's son John's or later occupant's activities.

Table 4: Numbers of specimens cataloged for each context.

Catalog #	EU #	Level #	Stratum	Date	Occupation	# Bones	# Isolated Teeth	#Shell
152	7	8	Fill 5	Post 1830s	Mixed 18th-19th century material	74	9	13
153	7	9	Fill 5A	Post 1820s	Mixed 18th-19th century material	26	4	6
154	7	10	Fill 6	Early 18th century-1809	Dunham family and Samuel Barron	14	1	2
155	7	11	Fill 7	Early to late 18th century	Dunham family and Samuel Barron	46	7	2
156	7	12	Fill 8	Mid-18th century	Possible Samuel Barron	2	1	0
169	8	5	Fill 2	1760s-1801	Samuel Barron	47	26	10
170	8	6	Fill 2	1760s-1801	Samuel Barron	90	21	15
171	8	7	Fill 2	1760s-1801	Samuel Barron	73	10	1
172	8	9	Fill 3	Post 1762	Possible Samuel Barron	4	0	6
189	9	6	Fill 5	18th-early 19th century	Possible Samuel and John Barron	18	0	8
190	9	7	Fill 6	18th-early 19th century	Possible Samuel and John Barron	34	7	12
191	9	8	Fill 6	18th-early 19th century	Possible Samuel and John Barron	21	2	10
Total						449	88	85

Taphonomy:

The faunal collection demonstrated a high degree of recent damage. Though it was not quantified, many fragments contained freshly broken edges from being impacted by shovels and possibly other tools. This recent breakage was likely a result of the fauna being recovered from relatively thick fill deposits that were excavated by shovel, which would contrast with a feature that may have been excavated via trowels. While this recent breakage is not confused for historic processes, it does impact identifiability and the depression of other quantifications such as those of scavenging or butchery traces. While some recently broken fragments were mended for the analysis, many were not able to be matched with other specimens from the contexts, which could suggest that the other portion was rendered less identifiable, unmendable, or possibly not recovered in the EU footprint.

Historic breakage patterns were assessed for long bones that contain relatively thick, dense cortical bone (Table 5). Long bone breakage patterns indicate that the bones were largely broken while fresh (breakage types 1 and 7) but some underwent additional fragmentation after having undergone organic decay on ground surfaces or during possible redeposition in the fill deposits. While most bone fragments were broken while still containing their organic part, a total of 19.1 percent of the long bones from Contexts 152-153 and 9.0 percent from Contexts 154-191 contain transverse or stepped breakages (breakage types 2-5) that had occurred after drying, suggesting exposure on the ground surface.

Table 6 presents the frequencies of potential post-depositional causes of fragmentation. While percentages may be slightly suppressed due to the fragmentation, scavenging carnivores seem to have had a moderate effect on bones, as they would typically target fresh bones with their nutritional grease and possible meat scraps. Abrasion caused by trampling or scratching by abrasive inclusions (e.g., brick and stone) was also observed and could have contributed to breakage when the bones were fresh or dry. Rodent damage was very minor, which is expected of a yard deposit that was likely exposed to predators in contrast to a better protected cellar/crawl space area.

Table 5: Breakage patterns for long bone specimens.

Breakage Type	**Contexts 152-153**				**Contexts 154-191**			
	Size 2 mammals		**Size 3 mammals**		**Size 2 mammals**		**Size 3 mammals**	
	n	**%**	**n**	**%**	**n**	**%**	**n**	**%**
1-oblique	10	71.4	5	71.4	47	71.2	23	67.6
2-transverse	1	7.1	0	0.0	1	1.5	1	2.9
3-stepped	0	0.0	0	0.0	0	0.0	1	2.9
4- 1 & 2	1	7.1	1	14.3	2	3.0	1	2.9
5- 1 & 3	1	7.1	0	0.0	3	4.5	0	0.0
6- 2 & 3	0	0.0	0	0.0	0	0.0	0	0.0
7-bone flake	1	7.1	1	14.3	0	0.0	6	17.6
8- 1, 2, & 3	0	0.0	0	0.0	0	0.0	0	0.0
9-indeterminate	0	0.0	0	0.0	13	19.7	2	5.9
Totals	14	100.0	7	100.0	66	100.0	34	100.0

Table 6. Post-depositional taphonomic traces observed on bone surfaces.

	Carnivore		**Rodent**		**Abrasion**	
	n	**%**	**n**	**%**	**n**	**%**
Contexts 152-153	6	6.0	1	1.0	6	6.0
Contexts 154-191	19	5.4	1	0.3	7	2.0
Total	25	5.6	2	0.4	13	2.9

Taxonomy:

The faunal assemblage indicates that meat availability was dominated by that provided by domestic livestock (Table 7). From Contexts 154-191, cattle predominate by NISP and MNI, including the likelihood that the less diagnostic size 3 mammals are also cattle remains. Sheep and pig seem to have provided relatively equal numbers of individuals to the diet, while fowl, such as chickens, seem to have been limited in the diet. Seafoods were incorporated into the diet including oyster, clam, and crab. No fish were identified in the deposits examined. A cat may indicate a pet or stray that was incorporated into the archaeological deposits.

While the mid-nineteenth-century deposits (Contexts 152-153) provided a smaller sample, sheep, pig, and chicken MNI each outnumber cattle 2:1. The combined NISP for cattle and the larger size 3 mammal fragments (n = 20) are also notably fewer than combined sheep, pig, size 2 mammal, and artiodactlya fragments (n = 70), indicating that the MNI was not depressed much by fragmentation into less identifiable pieces. These comparisons are made with the awareness that the beef provided by a single cow would have surpassed the meat provided by the pairs of the smaller animals. In addition to the domestic animals, seafoods consist of oyster, clam, and an indeterminate fish. A rat and indeterminate small bird likely represent animals that cohabitated on the property before becoming incorporated in the archaeological deposits.

Table 7: Taxonomic representations.

Taxon	Contexts 152-153 NISP	Contexts 152-153 MNI	Contexts 154-191 NISP	Contexts 154-191 MNI	All NISP	All MNI
Mammals:						
Bos taurus, cattle	8	1	90	3	98	3
Ovis aries, sheep	7	2	15	2	22	3
Sus scrofa, pig	10	2	33	2	43	3
Felis catus, cat			2	1	2	1
Rattus sp., rat	1	1			1	1
Artiodactyla, size 2	9	1	13	1	22	1
Mammal, size 1a			1	1	1	1
Mammal, size 2	44	1	115	1	159	1
Mammal, size 3	12	1	139	1	151	1
Fish:						
Fish indeterminate, medium	4	1			4	1
Mollusks/crab:						
Crassostrea virginica, oyster	14	6	38	8	52	14
Mercenaria mercenaria, Quahog clam	5	1	27	2	32	3
Crustacea, crab			1	1	1	1
Birds:						
Gallus gallus, chicken	5	2	2	1	7	2
Aves indeterminate, small	2	1			2	1
Aves indeterminate, medium	11	1	8	1	19	1
Other:						
Unidentified bone			6	1	6	1
TOTALS	**132**	**21**	**490**	**26**	**622**	**39**

Aging:

The domestic livestock are represented by dental and post-cranial specimens that were able to provide aging information. From the mid-nineteenth-century deposits, the cow was slaughtered at a prime age when meat yield would have been optimal in regards to the size and meat quality of the animal in relation to the expenditure in resources, such as feed. An unfused sacral vertebra indicates that the cow was slaughtered younger than about five years of age (Silver 1969). Identified by dentition, one sheep was slaughtered at a prime age between one and three years of age, but a heavily worn first molar indicates that the second was slaughtered notably older between six to 10 years of age (Payne 1973). One pig was slaughtered younger than seven to 13 months of age based on an unerupted second molar, while several teeth indicate the second pig was slaughtered at an age older than 12 months (Bull and Payne 1982).

From the earlier deposits (Contexts 154-191), two cattle were slaughtered at prime ages between approximately two and five years of age. The third cow was slaughtered at an older age between approximately five and 10 years of age as indicated by a heavily worn incisor (Silver 1969). One sheep was slaughtered at its prime meat yield age at about three to six years. The second sheep was slaughtered younger than two years of age as indicated by a moderately worn deciduous fourth premolar (Payne 1973). If this sheep was about 1.5 to two years of age, it would have been entering the prime age period (e.g., 1.5 to four years of age). The fast maturing pigs were also slaughtered after reaching a suitable body size with first and second molars indicating that one animal slaughtered at about 12-16 months and the second slaughtered at about two years of age (Bull and Payne 1982).

Butchery:

Butchery traces are present in relatively moderate frequencies in the bone samples from both context sets (Table 8). Though likely depressed by the high degree of fragmentation, the butchery mark frequencies are expected for a post-kitchen deposit where animals had undergone primary butchery at an abattoir or yard and then further processed before and possibly after cooking to fit into cooking vessels and for meat removal.

Primary butchery was observed through chopping marks at major anatomical segments such as at joints and at distal limb midshafts to remove the feet. Vertebrae often showed chopping damage in sagittal and transverse planes from splitting the carcass into lateral halves and then into small segments between the next, thoracic, lumbar, and sacral regions.

Cut and scrape marks from meat removal were also observed at expected locations, such as at limb bones that contain larger portions of meat like humeri, femora, and tibiae. A small number of cut marks were also observed on pig foot elements suggesting that they were consumed directly or possibly used to create gelatin by extracting ligaments and other connective tissue.

Table 8: Frequencies of butchery evidence on the bone fragments.

	Chopping		Cutting		Scraping		Sawing	
	n	%	n	%	n	%	n	%
Contexts 152-153	11	11.0	6	6.0	2	2.0	0	0.0
Contexts 154-191	19	5.4	19	5.4	4	1.1	2	0.6
Total	30	6.7	25	5.6	6	1.3	2	0.4

Only three thermally altered bone fragments (2 calcined and 1 charred) were identified, and all were recovered from Contexts 152-153. The bones likely do not represent cooking evidence as calcination results from prolonged contact with intense fire in instance of refuse burning instead of roasting or grilling (Beisaw 2013:109).

Skeletal part frequencies suggest that butchery likely occurred nearby, or that nearly complete carcasses were brought to the site. Skeletal parts representing heads, axial, and appendicular portions are all represented for cattle, sheep, and pigs. Pigs are the only domestic animal represented by distal feet elements, and as already stated with the cut marks, they were consumed at the site. Cattle and sheep are limited by proximal metapodial fragments left behind after the lower feet were separated. The lack of distal feet elements for these animals suggest they were disposed of elsewhere. Context 190 did also contain several fragments from a sizable cattle horn core.

Seasonality is generally not identifiable in domestic animal remains as they don't morphologically change throughout the year, such as deer growing and shedding antlers. A few chicken specimens though contain medullary bone in the marrow cavity indicating the consumption of a hen around the time of egg laying. Though modern chickens have been bred to lay eggs over a wider length of time, colonial period chickens generally had more limited breeding seasons during the spring and summer, providing a likely season when this bird was killed (Driver 1982:251; Rick 1975).

Discussion:
While the faunal assemblage has limitations due to the fragmentation and the possible mixture of deposits from Dunham and primarily Barron periods of occupation, the remains provide some information about animal livestock use and husbandry on the property. The faunal remains speak to depositional processes as they were recovered from fill deposits, and post-depositional taphonomic traces, such as moderate carnivore scavenging and abrasion damage, dry bone breakage, and minor rodent gnawing reveals that bones were left exposed for some time prior to final burial.

Comparable across all contexts, the butchery evidence indicates post-kitchen refuse with moderate proportions of primary and secondary butchery marks from chopping/sawing, cutting, and scraping. A lack of cooking evidence may indicate a cuisine that emphasized boiled instead of grilled or roasted meat. It is also possible that meat was removed from the bone prior to any close or direct contact with fire, leaving no evidence on the bone. Also notable is the lack of distal foot elements for cattle and sheep. The documentary record of Samuel Barron and his son John both operating tanning vats suggests that the animal hides were taken off site to the tannery. Tannery sites often contain disproportionate amounts of feet bones as the elements are challenging to remove from the skin and are sent with it to the tannery (Shaw 1996).

The deposits that can largely be associated with Samuel Barron (Contexts 154-191) show the consumption of animals in expected patterns based on the information provided by his 1801 probate. His probate emphasized cattle which were kept for meat, draught power, and milk. Their skins also likely supplied his tanning operation. Cattle (with size 3 mammals) comprise the majority of the faunal remains in these contexts in terms of MNI and NISP, and therefore meat yield. Two cattle were slaughtered at prime ages suggesting the consumption of steers. The older cow consumed between five and 10 years of age could represent an animal used for labor, such as milk, draught, or breeding, that had aged and was no longer as fit for the labor as it had been when younger. The sheep and pig were slaughtered at prime ages and they indicate consumption for meat though the sheep likely also provided wool. The sheep could be assumed to have been males (wethers or rams) as ewes were often kept older to continue breeding (Heinrich 2010:214). The emphasis on beef and mutton could reflect a continued northern British cuisine that also frequently included boiled meats instead of baked or fried meats typical of other British regions (Allen 1968:23; Fischer 1989:23).

The deposits that date to the mid-nineteenth century (Contexts 152-153) also appear to reflect the information available in the documentary record regarding animal keeping on the property. While the archaeological sample is small, the decreased proportion of cattle in relation to sheep and pig reflects the tax records for Samuel's son John who notably decreased his cattle ownership by the 1820s to approximately a third of what he owned just after his father's death.

Though the main and earlier dated portion of the assemblage (Contexts 154-191) is small, the quantities (MNI), proportions, and ages of the livestock are relatively consistent with other New Jersey sites dating to the eighteenth and early nineteenth centuries (Table 9). Even though the sites are represented by variable sample sizes from a few hundred to several thousand specimens, the New Jersey sites generally demonstrate relatively equal and low quantity representations of the various mammalian livestock. The lower quantity and relatively even numbers of animal individuals across these sites may be due to different disposal patterns and preservation for the New Jersey region, a lesser reliance on meat by the occupants, or possibly even analytical methods. The low quantities and relatively even proportions contrast with sites elsewhere, such as in Delaware (Heinrich et al. 2020:6-98). There, though economic efforts included major emphases on beef and mutton/wool production like New Jersey, faunal collections indicate pigs were generally consumed in higher frequencies, perhaps to retain the other livestock for market purposes.

Table 9: Faunal representations at a range of New Jersey archaeological sites showing dates, occupant identity, number of wild fauna taxa, and numbers and relative ages of cattle, pigs, sheep, and horses. Ages key: y = young, p = prime aged, o = older.

			Cattle		**Pigs**		**Sheep**		**Horse**		**Number of wild species***
	Dates	**Identity**	**MNI**	**Ages**	**MNI**	**Ages**	**MNI**	**Ages**	**MNI**	**Ages**	
Restore Lippincott Homestead (28-Bu-921)	c. 1690-1830	wealthy farmer/enslaved labor	5	y, p, o	5	y, p, o	6	y, p, o	0		11
Lawrie Farmstead Early (28-Mo-257)	c. 1704-1767	wealthy farmer	2	na	3	na	2	na	1	na	6
Foundation Site (28-Mo-352)	c. 1733-1768	wealthy farmer	1	p	2	p	1	p	0		3
Stites Farm Site (28-Un-36)	c. 1757-1825	wealthy farmer	2	na	3	p	2	y, p	0		1
Manalapan Villages Site (28-Mo-349)	c.1768-1775	wealthy farmer	2	p	2	p	0		0		1
Foundation Site (28-Mo-352)	c. 1768-1787	wealthy farmer	1	p	1	p	0		0		2
Dunham House Site (28-Mi-220)	c.1760-1801	wealthy farmer	3	p, o	2	p	2	p	0		1
Manalapan Villages Site (28-Mo-349)	c.1776-1800	wealthy farmer	1	p	2	p	1	na	0		2
Mount Laurel Road Historic Site (28-Bu-917)	c. 1806-1839	middling farmer	3	p	1	p	0		0		0
Garrett Forman Site (28-Mo-354)	c. 1800-1850	middling farmer	4	p	3	y, p	1	p	0		3

(Gall et al. 2007; Gall et al. 2008; Gall et al. 2009; Gall et al. 2010; Heinrich and Bulger 2018; Heinrich et al. 2020; Young et al. 2015)

[na] age data not available from literature

*count of consumable terrestrial and aquatic vertebrate species, does not include shellfish (i.e. oyster, clam, crab)

In conclusion, the faunal assemblage from the Dunham House site seems to nicely reflect the documentary record in regards to proportions of animals on site and husbandry practices in regards to ages at which animals were slaughtered due to meat or labor intentions. High proportions of beef and mutton, which were possibly boiled, reflect a traditional English cuisine. In all, the fill deposits around the house contain rich faunal samples and this analysis may serve as a starting point for potential additional work on the site, particularly if features, discrete slave deposits, or deposits from other periods of occupation are found, so that faunal usage can be observed across multiple variables.

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AECOM

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APPENDIX G, 1: Coding Conventions

FIELD	CODE
Sample #	By context and bone specimen number
Taxon	Most specific identifiable taxon
Animal size	Relative size, for mammals according to Bunn 1982
Skeletal part	Appendix 2, 3, and 4
Skeletal portion	Appendix 2, 3, and 4
Skeletal part segment	Appendix 2, 3, and 4
Long bone shaft circumference	0.1-1.0, shafts divided by tenths to assess completeness
Maximum length	millimeter (mm)
Maximum width	millimeter (mm)
Relative age	A= adult S= subadult P= subadult, but partially fused I= indeterminate
Tooth eruption/wear age	Age of eruption according to Bull and Payne 1982; Silver 1969
Side	R= right L= left I= indeterminate
Bone measurements	According to Von den Driesch 1976; Greenfield 2002 sex measurements; mm
BIOGENIC MARKS	
Tooth Mark	0= absent 1= present as isolated marks 2= present as punctures 3= present as gross gnawing 4= low confidence tooth marks
TM location A	1= cortical only 2= medullary only 3= 1&2 4= thickness only 5= 1, 2&3 6= 1&3 7= 2&3 9=cannot see thickness or medullary surface
TM location B	1= <2mm from fracture edge 2= >2mm from fracture edge 3= 1&2 4= on flake platform
TM location C	1= on or towards epiphyseal and NEFs, respectively 2= on or towards midshaft end for epiphyseal and NEFs 3= 1&2 4= indeterminate, on midshaft fragment

Rodent	0= absent 1= present
Root etching	1= absent to isolated spots 2= minor 3= moderate 4= severe, obscuring marks
HUMAN MADE MARKS	
Percussion marks	0= absent 1= present 2= present as isolated patches of microstriations only 3= conspicuous battering fields of PMs 4= low confidence PM
PM location	1= <2mm from fracture edge 2= >2mm from fracture edge 3= 1&2 4= on flake platform
KNIFE MARKS	
Chop marks	0= absent 1= present
Cut marks	0= absent 1= present
Scrape marks	0= absent 1= present
Burning	0= absent 1= charred black 2= burnt, calcined white
Trampling	0= absent 1= present
BONE CONDITION	
Surface color	Specific to specimen
Surface condition	1= pristine, original surface 2= minor exfoliation or flaking 3= minor chemical erosion 4= minor mechanical rounding 5= minor adhering matrix 6= major exfoliation or flaking that obscures marks 7= major chemical erosion that obscures marks 8= major mechanical rounding that obscures marks 9= major adhering matrix that obscures marks
Weathering	0-5, according to Behrensmeyer 1978
Recent breakage	0= none 1= yes, but with less than 10% missing 2= yes, with more than 10% missing 3= modern breaks, but fragments can mend 9= indeterminate

General breakage	1= spiral, oblique 2= transverse 3= stepped 4= 1&2 5= 1&3 6= 2&3 7= bone flake 8= 1, 2&3 9= indeterminate due to condition, modern break, breakage of axial elements, or breakage from butchery where no natural break occurs (chop)
Notching	0= absent 1= percussion mark 2= tooth notch 3= uncertain
Notch associates	0= no mark 1= tooth mark at notch 2= tooth mark opposite notch 3= percussion mark at notch 4= percussion mark opposite notch
Multiple notches	0= none (only 1) 1= on same edge 2= on opposite edge 3= on both edges
Copper stain	0= absent 1= present
Notes	Details relevant about specimen not covered above
Tooth row	Measurements of tooth rows (mm)
Crown height	Height of tooth crown (mm)
Crown breadth	Breadth of tooth crown (mm)
Payne 1973	Tooth wear stage of specific tooth if isolated

APPENDIX G, 2: Osteological Coding Conventions for Mammals

SKELETAL PART

- NID-not identified
- AX-axial skeleton
  - CRA-cranium
  - MAND-mandible
  - HMAN-hemi-mandible
  - TOOTH-isolated tooth (defined by MAX or HMAN for upper of lower and followed by tooth number)
    - I-incisor, I1, I2, I3
    - C-canine
    - P-premolar, P1, P2, P3, P4
    - M-molar, M1, M2, M3
  - VRT-vertebra
    - CER-cervical vertebra (followed by number ie. CER1=atlas, CER2= axis)
    - THO-thoracic
    - LUM-lumbar
    - SAC-sacral
    - CAUD-caudal
  - RIB-rib
  - STR-sternum
  - HYO-hyoid
- APP-Appendicular skeleton
  - INN-innominate
  - SCA-scapula
  - LBN-long bone
    - MTP-metapodial MTT-metatarsal, MTC-metacarpal
    - HUM-humerus
    - RAD-radius
    - ULN-ulna
    - RADU-fused radio-ulna
    - CAR-carpal
      - PIS-pisiform
      - TPZ-trapezoid
      - SCP-scaphoid
      - SES-sesamoids
    - FEM- femur
    - TIB-tibia
    - PAT- patella
    - FIB- fibula
    - TAR- tarsal
      - AST- astragalus
      - NVC- naviculo-cuboid
      - CAL- calcanuem
      - NAV-navicular
      - CUB-cuboid
    - PHA1- first phalange, PHA2- second phalange, PHA3- third phalange

SKELETAL PART PORTION

- CO- complete
- FOR LONG BONES AND RIBS
  - EPI- epiphyseal fragment
    - PX- proximal
    - DS- distal
  - NEF- near epiphyseal fragment
    - PSH- proximal
    - DSH-distal

MSH- midshaft

FOR CRANIUM

HCR- horncore
FRO- frontal
OCC- occipital
TEM-temporal
ZYG-zygomatic
NAS-nasal
MAX-maxilla
PMAX-premaxilla
LAC-lacrimal
PAR-parietal

FOR MANDIBLE

HRAM-horizontal ramus
VRAM-vertical ramus
CON-condyle
COR-coranoid process
GON-gonial angle
SYMP-symphysis

FOR VERTEBRAE

NEUR-neural arch
CEN-centrum

FOR INNOMINATE

ILI-ilium
ISCH-ischium
PUB-pubis
ACET- acetabulum

FOR SCAPULA

GLEN-glenoid fossa
SPINE-spine
ACR-acromion
BLADE-blade
CAUDM-caudal margin

SKELETAL PART SEGMENT

FR-fragment
ANT- anterior
POST-posterior
SUP-superior
VEN-ventral
MD-medial
LAT-lateral
DOR-dorsal
INF-inferior
HF-half
ORB-at orbit
ARC-at TEM arch
PP-petrous pyramid of TEM
ALV-alveoli of MAX or HMAN
CON-condyle
STY-styloid ptocess
CS-complete shaft cylinder
CO-complete
LATPR- lateral process
PREZ-prezygopophysis, POSZ-postzygopophysis
DOSP- dorsal spine

APPENDIX G, 3: Osteological Coding Conventions for Fish, Amphibians, and Reptiles

- NID- not identified
- CRA-cranium
  - DENT- dentary
  - OPER-operculum
  - PROP-preoperculum
  - SUBO-suboperculum
  - CERA-ceratohyal
  - PARA-parasphenoid
  - HYOM-hyomandibular
  - CLEI-cleithrum
  - SCLE-supracleithrum
  - PSPH-parasphenoid
  - PREM-premaxilla
  - PSTT-posttemporal
  - ACER-anterior ceratohyal
  - PCER- posterior ceratohyal
  - QUAD-quadrate
  - ART-articular
  - FRO-frontal
  - EPIH-epihyal

  - VRT- vertebra
    - CAUD- caudal
    - PCAU-precaudal
    - ULT-ultimate/terminal vertebra
    - SERS-serrated spine
    - SPINE-spine
  - CFIN-caudal fin
  - RIB- rib

- PLAS-plastron
- CARA-carapace
- MAND- mandible

APPENDIX G, 4: Osteological Coding Conventions for Birds

SKELETAL PART

- NID- not identified
- EGG-egg shell
- AX- axial skeleton
  - CRA-cranium
  - MAND- mandible
  - HMAN- hemi-mandible
  - VRT- vertebra
    - CER-cervical vertebra (followed by number ie. CER1=atlas, CER2= axis)
    - THO- thoracic
    - LUM-lumbar
    - SAC-sacral
    - CAUD- caudal
  - RIB- rib
  - STR- sternum
  - HYO- hyoid
- APP- appendicular skeleton
  - INN- innominate
  - SCA- scapula
  - LBN- long bone
    - COR-coracoid
    - HUM- humerus
    - RAD- radius
    - ULN- ulna
    - FEM- femur
    - TIBT-tibiotarsus
    - PHA1- first phalange, PHA2- second phalange, PHA3- third phalange

SKELETAL PART PORTION

- CO- complete
- FOR LONG BONES AND RIBS
  - EPI- epiphyseal fragment
    - PX- proximal
    - DS- distal
  - NEF- near epiphyseal fragment
    - PSH- proximal
    - DSH-distal
  - MSH- midshaft
- FOR CRANIUM
  - HCR- horncore
  - FRO- frontal
  - OCC- occipital
  - TEM-temporal
  - ZYG-zygomatic
  - NAS-nasal
  - MAX-maxilla
  - PMAX-premaxilla
  - LAC-lacrimal
  - PAR-parietal
- FOR MANDIBLE
  - HRAM-horizontal ramus
  - VRAM-vertical ramus
  - CON-condyle
  - COR-coranoid process
  - GON-gonial angle
  - SYMP-symphysis

FOR VERTEBRAE
- PREZ-prezygopophysis, POSZ-postzygopophysis
- DOSP- dorsal spine
- NEUR-neural arch
- LATPR- lateral process
- CEN-centrum

FOR INNOMINATE
- ILI-ilium
- ISCH-ischium
- PUB-pubis
- ACET- acetabulum

FOR SCAPULA
- GLEN-glenoid fossa
- SP-spine
- ACR-acromion
- BLADE-blade
- CAUDM-caudal margin

SKELETAL PART SEGMENT

- FR-fragment
- ANT- anterior
- POST-posterior
- SUP-superior
- VEN-ventral
- MD-medial
- LAT-lateral
- DOR-dorsal
- INF-inferior
- HF-half
- ORB-at orbit
- ARC-at TEM arch
- PP-petrous pyramid of TEM
- ALV-alveoli of MAX or HMAN
- CS-complete shaft cylinder
- CO-complete

specimen #	catalog #	phase	EU	feature	level	depth (ft)	strat	n	taxon	size	skeletal part	skeletal portion	skeletal segment	LBN cir	max len (mm)	max wid (mm)	measures (mm)	bone age	tooth age	side	tmk	tm loc a	rodent	chop	cut	scrape	sawn	burn	tramp	gen brk	notes
1	152.10		7		8	2.0-2.8	Fill 5	1	Bos taurus	3	CER1		FR		89.6	85.2		I		ax	0	0	0	1	1	0	0	0	0	9	chopped, 2 cuts along throat
2	152.10		7		8	2.0-2.8	Fill 5	1	Bos taurus	3	SAC1	CEN	FR		81.6	81.6		S		ax	0	0	0	1	0	0	0	0	0	9	chopped sagittally
3	152.10		7		8	2.0-2.8	Fill 5	1	Sus scrofa	2	RAD	PX	FR	0.3	63.8	30.6		A		I	0	0	0	1	0	0	0	0	0	1	chopped MSH
4	152.10		7		8	2.0-2.8	Fill 5	1	Mammalia	2	NID	NID	FR		17.0	12.2		I		I	0	0	0	1	0	0	0	0	0	9	chopped
5	152.2		7		8	2.0-2.8	Fill 5	1	Fish	md	CRA		FR					I		I	0	0	0	0	0	0	0	0	0	9	
6	152.3		7		8	2.0-2.8	Fill 5	1	Ovis aries	2	HMAN	HRAM	M2					I	abt 1-3 years	L	0	0	0	0	0	0	0	0	0	9	mild wear, Payne 1973 stages D-E
7	152.3		7		8	2.0-2.8	Fill 5	1	Ovis aries	2	HMAN	HRAM	M2					I	abt 1-3 years	R	0	0	0	0	0	0	0	0	0	9	mild wear, Payne 1973 stages D-E
8	152.3		7		8	2.0-2.8	Fill 5	4	Artiodactyla	2	TOOTH		FR					I		I	0	0	0	0	0	0	0	0	0	9	
9	152.3		7		8	2.0-2.8	Fill 5	1	Sus scrofa	2	HMAN	HRAM	P4					I	>12-16 months	L	0	0	0	0	0	0	0	0	0	9	minor wear
10	152.3		7		8	2.0-2.8	Fill 5	1	Sus scrofa	2	HMAN	HRAM	M1				L: 18.1, W: 11.2 mm	I	>4-6 months	L	0	0	0	0	0	0	0	0	0	9	moderate wear
11	152.3		7		8	2.0-2.8	Fill 5	1	Sus scrofa	2	HMAN	HRAM	P3					I	>12-16 months	L	0	0	0	0	0	0	0	0	0	9	minor wear
12	152.4		7		8	2.0-2.8	Fill 5	4	Mercenaria mercenaria		SHELL		FR					I		I	0	0	0	0	0	0	0	0	0	9	
13	152.5		7		8	2.0-2.8	Fill 5	2	Crassostrea virginica		SHELL		FR					I		I	0	0	0	0	0	0	0	0	0	9	
14	152.5		7		8	2.0-2.8	Fill 5	2	Crassostrea virginica		SHELL		HINGE					I		I	0	0	0	0	0	0	0	0	0	9	ridged shell
15	152.5		7		8	2.0-2.8	Fill 5	1	Crassostrea virginica		SHELL		CO		52.8	42.4	LHR: 1.2	I		I	0	0	0	0	0	0	0	0	0	9	no bores
16	152.5		7		8	2.0-2.8	Fill 5	1	Crassostrea virginica		SHELL		CO		70.0	40.6	LHR: 1.7	I		I	0	0	0	0	0	0	0	0	0	9	small and large bores, slight ridges on shell
17	152.5		7		8	2.0-2.8	Fill 5	1	Crassostrea virginica		SHELL		CO		96.4	64.0	LHR: 1.5	I		I	0	0	0	0	0	0	0	0	0	9	ridges, few large bores
18	152.5		7		8	2.0-2.8	Fill 5	1	Crassostrea virginica		SHELL		CO		92.3	61.8	LHR: 1.5	I		I	0	0	0	0	0	0	0	0	0	9	ridges, numerous small bores
19	152.5		7		8	2.0-2.8	Fill 5	1	Crassostrea virginica		SHELL		CO		98.8	67.6	LHR: 1.5	I		I	0	0	0	0	0	0	0	0	0	9	ridges, no bores
20	152.6		7		8	2.0-2.8	Fill 5	2	Fish	md	SPINE		CO					I		I	0	0	0	0	0	0	0	0	0	9	
21	152.7		7		8	2.0-2.8	Fill 5	1	Ovis aries	2	NVC		CO		25.2	22.6	L: 25.2, W: 22.6 mm	I		R	0	0	0	0	0	0	0	0	0	9	
22	152.7		7		8	2.0-2.8	Fill 5	1	Artiodactyla	2	HMAN	HRAM	GON		43.2	19.0		I		I	0	0	0	0	0	0	0	0	0	9	
23	152.7		7		8	2.0-2.8	Fill 5	1	Bos taurus	3	HMAN	HRAM	SYMP		82.4	29.0		I		I	0	0	0	0	0	1	0	0	1	9	scrape, tongue removal possible
24	152.7		7		8	2.0-2.8	Fill 5	1	Mammalia	3	HMAN	HRAM	ALV		56.1	28.2		I		L	0	0	0	0	0	0	0	0	0	9	
25	152.7		7		8	2.0-2.8	Fill 5	1	Mammalia	3	VERT	CEN	FR		28.8	22.4		S		ax	0	0	0	1	0	0	0	0	0	9	chopped sagittally
26	152.7		7		8	2.0-2.8	Fill 5	1	Sus scrofa	2	OCC	CON	FR		37.2	36.8		I		L	0	0	0	0	0	0	0	0	0	9	
27	152.7		7		8	2.0-2.8	Fill 5	1	Sus scrofa	2	NAS		FR		52.9	128.0		I		I	0	0	0	0	0	0	0	0	0	9	
28	152.7		7		8	2.0-2.8	Fill 5	1	Sus scrofa	2	NAS		FR		27.6	11.8		I		I	0	0	0	0	0	0	0	0	0	9	
29	152.7		7		8	2.0-2.8	Fill 5	1	Mammalia	2	CRA		FR		48.2	46.8		I		I	0	0	0	0	0	0	0	0	0	9	
30	152.7		7		8	2.0-2.8	Fill 5	1	Mammalia	2	CRA		FR		28.8	23.0		I		I	0	0	0	0	0	0	0	0	0	9	
31	152.7		7		8	2.0-2.8	Fill 5	1	Mammalia	2	CRA		FR		15.2	10.8		I		I	0	0	0	0	0	0	0	0	0	9	
32	152.7		7		8	2.0-2.8	Fill 5	1	Mammalia	2	CRA		FR		31.6	25.7		I		I	0	0	0	0	0	0	0	0	0	9	

33	152.7	7	8	2.0-2.8	Fill 5	1	Bos taurus	3	MTC	PX	ANT	0.3	61.7	50.6	A	I	0	0	0	0	0	0	0	0	0	1	4 FR, severely broken by exacavtors
34	152.7	7	8	2.0-2.8	Fill 5	1	Mammalia	3	HUM	DSH	FR	0.2	52.8	17.0	I	I	0	0	0	0	0	0	0	0	0	1	
35	152.7	7	8	2.0-2.8	Fill 5	1	Mammalia	3	LBN	MSH	FR	0.1	46.2	22.4	I	I	0	0	0	1	0	0	0	0	0	7	chopped
36	152.7	7	8	2.0-2.8	Fill 5	1	Mammalia	2	FEM	MSH	ANT	0.4	42.9	20.4	I	I	0	0	0	1	0	0	0	0	0	1	chopped
37	152.7	7	8	2.0-2.8	Fill 5	1	Mammalia	2	FEM	MSH	POST	0.5	49.4	16.5	I	I	0	0	0	0	0	0	0	0	0	1	2 FR, excavator broken
38	152.7	7	8	2.0-2.8	Fill 5	1	Mammalia	2	LBN	MSH	FR	0.2	36.2	12.0	I	I	0	0	0	0	0	0	0	0	0	4	
39	152.7	7	8	2.0-2.8	Fill 5	1	Mammalia	2	LBN	MSH	FR	0.2	21.2	12.2	I	I	0	0	0	0	0	0	0	0	0	1	
40	152.7	7	8	2.0-2.8	Fill 5	1	Mammalia	2	LBN	MSH	FR	0.2	25.4	8.0	I	I	0	0	0	0	0	0	0	0	0	1	
41	152.7	7	8	2.0-2.8	Fill 5	1	Mammalia	2	LBN	MSH	FR	0.1	25.9	8.8	I	I	0	0	0	0	0	0	0	0	0	2	
42	152.7	7	8	2.0-2.8	Fill 5	1	Mammalia	2	LBN	MSH	FR	0.2	16.8	12.4	I	I	0	0	0	0	0	0	0	0	0	1	
43	152.7	7	8	2.0-2.8	Fill 5	1	Mammalia	2	LBN	MSH	FR	0.1	22.1	6.8	I	I	0	0	0	0	0	0	0	0	0	1	
44	152.7	7	8	2.0-2.8	Fill 5	1	Mammalia	2	LBN	NEF	FR	0.2	34.2	12.3	I	I	0	0	0	0	0	0	0	0	0	1	
45	152.7	7	8	2.0-2.8	Fill 5	1	Rattus sp.	1a	FEM		CO	1.0	32.2	7.0	S	R	0	0	0	0	0	0	0	0	0	9	subadult at both EPI, HEAD present, unfused
46	152.7	7	8	2.0-2.8	Fill 5	1	Mammalia	2	OCC		STY		13.5	6.4	I	I	0	0	0	0	0	0	0	0	0	9	
47	152.7	7	8	2.0-2.8	Fill 5	1	Mammalia	3	RIB	MSH	FR		116.2	31.4	I	I	1	1	0	0	1	0	0	0	1	9	5 cut marks, 3 FR excavator broken
48	152.7	7	8	2.0-2.8	Fill 5	1	Mammalia	2	RIB	PSH	FR		23.4	19.3	I	I	0	0	0	0	0	0	0	0	0	9	
49	152.7	7	8	2.0-2.8	Fill 5	1	Mammalia	2	RIB	PSH	FR		70.4	11.6	I	I	3	1	0	1	0	0	0	0	0	9	chopped
50	152.7	7	8	2.0-2.8	Fill 5	1	Mammalia	2	RIB	PSH	FR		45.2	9.8	I	I	0	0	0	0	0	0	0	0	0	9	
51	152.7	7	8	2.0-2.8	Fill 5	1	Mammalia	2	RIB	MSH	FR		30.2	12.5	I	I	0	0	0	0	0	0	0	0	0	9	2 FR, excavator broken
52	152.7	7	8	2.0-2.8	Fill 5	1	Mammalia	2	RIB	MSH	FR		34.2	9.7	I	I	0	0	0	0	0	0	0	0	0	9	
53	152.7	7	8	2.0-2.8	Fill 5	1	Mammalia	2	RIB	MSH	FR		27.2	10.8	I	I	0	0	0	0	0	0	0	0	0	9	
54	152.7	7	8	2.0-2.8	Fill 5	1	Mammalia	2	RIB	MSH	FR		38.1	16.0	I	I	0	0	0	0	1	0	0	0	1	9	1 cut mark
55	152.7	7	8	2.0-2.8	Fill 5	1	Mammalia	2	RIB	MSH	FR		24.0	6.6	I	I	0	0	0	0	0	0	0	0	0	9	
56	152.7	7	8	2.0-2.8	Fill 5	1	Mammalia	2	RIB	MSH	FR		15.6	8.9	I	I	0	0	0	0	0	0	0	0	0	9	
57	152.7	7	8	2.0-2.8	Fill 5	1	Mammalia	2	RIB	MSH	FR		21.8	5.6	I	I	0	0	0	0	0	0	0	0	0	9	
58	152.7	7	8	2.0-2.8	Fill 5	1	Mammalia	3	NID	NID	FR		20.8	13.1	I	I	0	0	0	0	0	0	0	0	0	9	
59	152.7	7	8	2.0-2.8	Fill 5	1	Mammalia	2	NID	NID	FR		27.0	15.1	I	I	0	0	0	0	0	0	0	0	0	9	
60	152.7	7	8	2.0-2.8	Fill 5	1	Mammalia	2	NID	NID	FR		16.5	16.2	I	I	0	0	0	0	0	0	0	0	0	9	
61	152.7	7	8	2.0-2.8	Fill 5	1	Mammalia	2	NID	NID	FR		26.9	12.8	I	I	0	0	0	0	0	0	0	0	0	9	
62	152.7	7	8	2.0-2.8	Fill 5	1	Mammalia	2	NID	NID	FR		24.3	6.9	I	I	0	0	0	0	0	0	0	0	0	9	
63	152.7	7	8	2.0-2.8	Fill 5	1	Mammalia	2	NID	NID	FR		10.7	10.3	I	I	0	0	0	0	0	0	0	0	0	9	
64	152.7	7	8	2.0-2.8	Fill 5	1	Mammalia	2	NID	NID	FR		10.1	8.2	I	I	0	0	0	0	0	0	0	0	0	9	
65	152.7	7	8	2.0-2.8	Fill 5	1	Mammalia	2	NID	NID	FR		10.6	10.1	I	I	0	0	0	0	0	0	0	0	0	9	
66	152.7	7	8	2.0-2.8	Fill 5	1	Mammalia	2	NID	NID	FR		16.6	7.8	I	I	0	0	0	0	0	0	0	0	0	9	
67	152.7	7	8	2.0-2.8	Fill 5	1	Mammalia	2	NID	NID	FR		13.8	9.0	I	I	0	0	0	0	0	0	0	0	0	9	
68	152.7	7	8	2.0-2.8	Fill 5	1	Aves	md	LBN	MSH	FR	0.3	36.4	6.0	I	I	0	0	0	0	0	0	0	0	0	9	
69	152.7	7	8	2.0-2.8	Fill 5	1	Aves	sm	RAD	DSH	CS	1.0	21.3	5.8	I	I	0	0	0	0	0	0	0	0	0	9	
70	152.7	7	8	2.0-2.8	Fill 5	1	Aves	md	CER		CO		13.2	10.0	I	ax	0	0	0	0	0	0	0	0	0	9	
71	152.7	7	8	2.0-2.8	Fill 5	1	Aves	md	NID	NID	FR		30.6	12.2	I	I	0	0	0	0	0	0	0	0	0	9	
72	152.7	7	8	2.0-2.8	Fill 5	1	Aves	md	NID	NID	FR		22.3	6.1	I	I	0	0	0	0	0	0	0	0	0	9	
73	152.7	7	8	2.0-2.8	Fill 5	1	Aves	sm	LBN	MSH	CS	1.0	18.8	2.4	I	I	0	0	0	0	0	0	0	0	0	9	
74	152.8	7	8	2.0-2.8	Fill 5	1	Gallus gallus	md	ULN	PX	CS	1.0	61.8	10.8	A	R	0	0	0	0	0	0	0	0	1	9	
75	152.8	7	8	2.0-2.8	Fill 5	1	Gallus gallus	md	HUM	DS	CS	1.0	30.9	14.1	A	L	0	0	0	0	1	0	0	0	0	9	1 cut mark, female with medullary bone
76	152.8	7	8	2.0-2.8	Fill 5	1	Gallus gallus	md	FEM	DS	CS	1.0	33.1	17.4	A	L	0	0	0	0	0	0	0	0	0	9	some medullary bone present
77	152.8	7	8	2.0-2.8	Fill 5	1	Gallus gallus	md	TBT	MSH	CS	1.0	50.4	7.8	I	I	0	0	0	0	0	0	0	0	0	9	
78	152.8	7	8	2.0-2.8	Fill 5	1	Aves	md	LBN	MSH	CS	1.0	35.6	9.0	I	I	0	0	0	0	0	0	0	0	0	9	
79	152.8	7	8	2.0-2.8	Fill 5	1	Aves	md	LBN	MSH	FR	0.3	20.7	6.4	I	I	0	0	0	0	0	0	0	0	0	9	
80	152.8	7	8	2.0-2.8	Fill 5	1	Aves	md	LBN	MSH	FR	0.5	18.4	5.8	I	I	0	0	0	0	0	0	0	0	0	9	
81	152.8	7	8	2.0-2.8	Fill 5	1	Aves	md	LBN	MSH	FR	0.4	22.8	7.0	I	I	0	0	0	0	0	0	0	0	0	9	
82	152.8	7	8	2.0-2.8	Fill 5	1	Aves	md	LBN	MSH	FR	0.3	15.5	5.8	I	I	0	0	0	0	0	0	0	0	0	9	
83	152.8	7	8	2.0-2.8	Fill 5	1	Aves	md	LBN	MSH	FR	0.3	22.8	6.3	I	I	0	0	0	0	0	0	0	0	0	9	
84	152.8	7	8	2.0-2.8	Fill 5	1	Aves	md	LBN	MSH	CS	1.0	19.3	3.8	I	I	0	0	0	0	0	0	0	0	0	9	
85	152.9	7	8	2.0-2.8	Fill 5	1	Mammalia	2	CAR		FR		27.9	19.4	I	I	0	0	0	0	0	0	0	2	0	9	calcined
86	152.9	7	8	2.0-2.8	Fill 5	1	Mammalia	2	NID	NID	FR		23.5	9.9	I	I	0	0	0	0	0	0	0	2	0	9	calcined

87	152.9	7	8	2.0-2.8	Fill 5	1	Mammalia	2	LBN	MSH		0.3	23.0	10.5		I		I	0	0	0	0	0	0	0	1	0	5 charred
88	153.1	7	9	2.5-2.9	Fill 5a	1	Ovis aries	2	FEM	DSH	CS	1.0	122.5	25.9		I		L	0	0	0	1	1	0	0	0	0	1 chopped, 6 cuts
89	153.1	7	9	2.5-2.9	Fill 5a	1	Artiodactyla	2	FEM	MSH	ANT	0.3	48.9	18.2		I		I	0	0	1	0	1	0	0	0	0	1 3 cut marks
90	153.1	7	9	2.5-2.9	Fill 5a	1	Bos taurus	3	MTT	MSH	ANT	0.3	44.2	28.6		I		I	0	0	0	0	0	0	0	0	1	1
91	153.1	7	9	2.5-2.9	Fill 5a	1	Artiodactyla	2	LBN	MSH	FR	0.3	40.8	13.0		I		I	0	0	0	0	0	1	0	0	0	1 scraped
92	153.1	7	9	2.5-2.9	Fill 5a	1	Mammalia	3	RIB	MSH	FR		59.2	19.8		I		I	0	0	0	1	0	0	0	0	0	9 chopped
93	153.2	7	9	2.5-2.9	Fill 5a	1	Bos taurus	3	MTP	MSH	ANT	0.3	57.6	22.6		I		I	3	1	0	0	0	0	0	0	0	3
94	153.2	7	9	2.5-2.9	Fill 5a	1	Artiodactyla	2	RIB	PSH	FR		48.8	6.5		I		I	0	0	0	1	0	0	0	0	0	9 chopped
95	153.2	7	9	2.5-2.9	Fill 5a	1	Mammalia	3	SAC1	NEUR	LATPR		77.0	68.8		I		ax	0	0	0	0	0	0	0	0	0	9
96	153.2	7	9	2.5-2.9	Fill 5a	1	Bos taurus	3	LUM	NEUR	POSZ		52.6	41.1		I		I	0	0	0	0	0	0	0	0	0	9
97	153.2	7	9	2.5-2.9	Fill 5a	1	Bos taurus	3	CAUD	CEN	FR		37.2	26.8		I		I	0	0	0	0	0	0	0	0	0	9
98	153.2	7	9	2.5-2.9	Fill 5a	1	Ovis aries	2	HMAN	VRAM	CON		33.0	19.9		I		R	0	0	0	0	0	0	0	0	0	9
99	153.2	7	9	2.5-2.9	Fill 5a	1	Artiodactyla	2	CER	NEUR	PREZ		32.5	19.5		I		ax	0	0	0	0	0	0	0	0	0	9
100	153.2	7	9	2.5-2.9	Fill 5a	1	Mammalia	2	CRA	NID	FR		24.8	17.9		I		I	0	0	0	0	0	0	0	0	0	9
101	153.2	7	9	2.5-2.9	Fill 5a	1	Mammalia	3	VERT	CEN	EPI		31.6	30.5		I		I	0	0	0	0	0	0	0	0	0	9
102	153.2	7	9	2.5-2.9	Fill 5a	1	Mammalia	3	LBN	MSH	FR	0.1	24.3	17.4		I		I	0	0	0	0	0	0	0	0	0	1
103	153.2	7	9	2.5-2.9	Fill 5a	1	Mammalia	2	LBN	MSH	FR	0.2	39.2	9.9		I		I	0	0	0	0	0	0	0	0	0	1
104	153.2	7	9	2.5-2.9	Fill 5a	1	Mammalia	2	LBN	NEF	FR	0.2	36.2	16.3		I		I	0	0	0	0	0	0	0	0	0	1
105	153.2	7	9	2.5-2.9	Fill 5a	1	Mammalia	2	RIB	MSH	FR		35.8	7.1		I		I	3	1	0	0	0	0	0	0	0	9
106	153.2	7	9	2.5-2.9	Fill 5a	1	Mammalia	2	RIB	MSH	FR		24.1	8.8		I		I	0	0	0	0	0	0	0	0	0	9
107	153.2	7	9	2.5-2.9	Fill 5a	1	Mammalia	3	LBN	NEF	FR		34.3	15.0		I		I	3	1	0	0	0	0	0	0	0	4
108	153.2	7	9	2.5-2.9	Fill 5a	1	Ovis aries	2	HUM	DSH	CS	1.0	52.2	23.1		I		R	3	1	0	0	0	0	0	0	0	1
109	153.2	7	9	2.5-2.9	Fill 5a	1	Mammalia	3	NID	NID	FR		43.8	30.3		I		I	0	0	0	0	0	0	0	0	0	9
110	153.2	7	9	2.5-2.9	Fill 5a	1	Mammalia	2	LBN	NEF	FR	0.2	26.8	19.4		I		I	0	0	0	0	0	0	0	0	0	1
111	153.2	7	9	2.5-2.9	Fill 5a	1	Mammalia	2	NID	NID	FR		31.8	15.6		I		I	0	0	0	0	0	0	0	0	0	9
112	153.3	7	9	2.5-2.9	Fill 5a	1	Crassostrea virginica		SHELL		HINGE					I		I	0	0	0	0	0	0	0	0	0	9 large bores
113	153.3	7	9	2.5-2.9	Fill 5a	1	Crassostrea virginica		SHELL		CO		135.6	83.0	LHR: 1.6	I		I	0	0	0	0	0	0	0	0	0	9 no bores
114	153.3	7	9	2.5-2.9	Fill 5a	1	Crassostrea virginica		SHELL		CO		64.4	49.0		I		I	0	0	0	0	0	0	0	0	0	9 ridged shell, no bores
115	153.4	7	9	2.5-2.9	Fill 5a	1	Mercenaria mercenaria		SHELL		CO					I		I	0	0	0	0	0	0	0	0	0	9
116	153.47	7	9	2.5-2.9	Fill 5a	1	Fish	md	VERT		FR					I		I	0	0	0	0	0	0	0	0	0	9
117	153.49	7	9	2.5-2.9	Fill 5a	1	Ovis aries	2	HMAN	HRAM	M1					I	abt 6-10 years	R	0	0	0	0	0	0	0	0	0	9 heavily worn, Payne stage 11/H-I
118	153.5	7	9	2.5-2.9	Fill 5a	1	Crassostrea virginica		SHELL		CO		61.1	52.0		I		I	0	0	0	0	0	0	0	0	0	9 ridged shell, no bores, top valve of following bottom shell
119	153.5	7	9	2.5-2.9	Fill 5a	1	Crassostrea virginica		SHELL		CO		52.8	42.1		I		I	0	0	0	0	0	0	0	0	0	9 smooth shell, no bores, bottom valve of previous top shell
120	153.6	7	9	2.5-2.9	Fill 5a	1	Sus scrofa	2	MAX		I1					I	>12-17 months	L	0	0	0	0	0	0	0	0	0	9
121	153.7	7	9	2.5-2.9	Fill 5a	1	Sus scrofa	2	HMAN	HRAM	M2				L: 21.3, W: 13.2 mm	I	<7-13 months	R	0	0	0	0	0	0	0	0	0	9 unerupted
122	153.7	7	9	2.5-2.9	Fill 5a	1	Sus scrofa	2	TOOTH		MOLAR					I		I	0	0	0	0	0	0	0	0	0	9 FR moderately worn
123	153.8	7	9	2.5-2.9	Fill 5a	1	Gallus gallus	md	HUM	DS	CS	1.0	24.9	15.5		A		L	0	0	0	0	0	0	0	0	0	9
124	154.3	7	10	2.6-3.4	Fill 6	1	Mercenaria mercenaria		SHELL		FR					I		I	0	0	0	0	0	0	0	0	0	9
125	154.4	7	10	2.6-3.4	Fill 6	1	Sus scrofa	2	HMAN	HRAM	I3					I	>8-12 months	R	0	0	0	0	0	0	0	0	0	9 in wear
126	154.5	7	10	2.6-3.4	Fill 6	1	Mammalia	3	RIB	PSH	FR		52.1	24.2		I		I	0	0	0	0	0	0	0	0	0	9
127	154.5	7	10	2.6-3.4	Fill 6	1	Mammalia	3	RIB	MSH	FR		49.8	15.7		I		I	0	0	0	0	0	0	0	0	1	9
128	154.6	7	10	2.6-3.4	Fill 6	1	Mammalia	3	RIB	MSH	FR		139.8	24.0		I		I	1	1	0	0	0	0	0	0	0	9

129	154.6	7	10	2.6-3.4	Fill 6	1	Mammalia	3	RIB	MSH	FR		43.0	15.9		I		I	0	0	0	0	0	0	0	0	0	9	
130	154.6	7	10	2.6-3.4	Fill 6	1	Mammalia	3	RIB	MSH	FR		48.6	9.2		I		I	0	0	0	0	0	0	0	0	0	9	
131	154.6	7	10	2.6-3.4	Fill 6	1	Mammalia	3	RIB	MSH	FR		42.9	16.8		I		I	0	0	0	0	0	0	0	0	0	9	
132	154.6	7	10	2.6-3.4	Fill 6	1	Mammalia	3	RIB	MSH	FR		34.6	13.1		I		I	0	0	0	0	0	0	0	0	0	9	
133	154.6	7	10	2.6-3.4	Fill 6	1	Mammalia	3	RIB	MSH	FR		47.5	20.0		I		I	0	0	0	0	0	0	0	0	0	9	
134	154.6	7	10	2.6-3.4	Fill 6	1	Mammalia	3	RIB	MSH	FR		58.5	12.3		I		I	0	0	0	0	0	0	0	0	0	9	
135	154.6	7	10	2.6-3.4	Fill 6	1	Mammalia	3	SCA	BLADE	FR		29.8	23.0		I		I	0	0	0	0	0	0	0	0	0	9	
136	154.6	7	10	2.6-3.4	Fill 6	1	Mammalia	3	NID	NID	FR		30.7	8.0		I		I	0	0	0	0	0	0	0	0	0	9	
137	154.6	7	10	2.6-3.4	Fill 6	1	Mammalia	2	NID	NID	FR		30.0	14.0		I		I	0	0	0	0	0	0	0	0	0	9	
138	154.6	7	10	2.6-3.4	Fill 6	1	Mammalia	2	NID	NID	FR		28.3	19.4		I		I	0	0	0	0	0	0	0	0	0	9	
139	154.6	7	10	2.6-3.4	Fill 6	1	Sus scrofa	2	PHA1	PX	CO		15.2	15.1		S		I	0	0	0	0	0	0	0	0	0	9	
140	154.7	7	10	2.6-3.4	Fill 6	1	Crassostrea virginica		SHELL		CO		100.4	64.3	HLR: 1.6	I		I	0	0	0	0	0	0	0	0	0	9	large bores
141	155.5	7	11	3.4-4.7	Fill 7	2	Mercenaria mercenaria		SHELL		FR					I		I	0	0	0	0	0	0	0	0	0	9	
142	155.5	7	11	3.4-4.7	Fill 7	1	Ovis aries	2	HMAN	HRAM	dP4					I	<24 months	R	0	0	0	0	0	0	0	0	0	9	in wear, Payne 1973 stage 5/6
143	155.5	7	11	3.4-4.7	Fill 7	1	Ovis aries	2	HMAN	HRAM	M1					I	>12 months	R	0	0	0	0	0	0	0	0	0	9	mild wear, Payne 1973 stage 7
144	155.5	7	11	3.4-4.7	Fill 7	1	Ovis aries	2	HMAN	HRAM	I1					I	>12-18 months	R	0	0	0	0	0	0	0	0	0	9	
145	155.5	7	11	3.4-4.7	Fill 7	1	Bos taurus	2	HMAN	HRAM	M1					I	>5-6 months	L	0	0	0	0	0	0	0	0	0	9	moderate wear
146	155.5	7	11	3.4-4.7	Fill 7	1	Sus scrofa	2	HMAN	HRAM	M1				M1: L:17.9, W:11.8 mm	I	>12-16 months, abt. 2 years	L	0	0	0	0	0	0	0	0	0	9	moderate wear
147	155.5	7	11	3.4-4.7	Fill 7	1	Sus scrofa	2	HMAN	HRAM	P2					I	>12-16 months	L	0	0	0	0	0	0	0	0	0	9	in wear
148	155.5	7	11	3.4-4.7	Fill 7	1	Mammalia	2	TOOTH		ROOT					I		I	0	0	0	0	0	0	0	0	0	9	
149	155.6	7	11	3.4-4.7	Fill 7	1	Ovis aries	2	ILI/PUB	ACET	FR		60.4	18.6		I		R	1	1	0	0	0	0	0	0	0	9	3 FR, excavator broken
150	155.6	7	11	3.4-4.7	Fill 7	1	Sus scrofa	2	CAL	DSH	FR		52.6	30.4		S		R	0	0	0	0	1	0	0	0	0	9	1 cut mark
151	155.6	7	11	3.4-4.7	Fill 7	1	Bos taurus	3	HMAN	HRAM	ALV		41.2	30.8		I		I	0	0	0	0	0	0	0	0	1	9	
152	155.6	7	11	3.4-4.7	Fill 7	1	Sus scrofa	2	MT4		CO	1.0	83.4	23.7		S		R	0	0	0	0	1	0	0	0	0	9	2 cut marks, DSH excavator broken
153	155.6	7	11	3.4-4.7	Fill 7	1	Bos taurus	3	LUM	CEN	FR		60.3	36.0		S		ax	0	0	0	1	0	0	0	0	0	9	chopped sagittally
154	155.6	7	11	3.4-4.7	Fill 7	1	Bos taurus	3	CER	NEUR	PREZ		38.1	33.8		I		ax	0	0	0	0	0	0	0	0	0	9	
155	155.6	7	11	3.4-4.7	Fill 7	1	Mammalia	3	VERT	CEN	EPI		32.8	13.0		S		ax	0	0	0	1	0	0	0	0	0	9	chopped sagittally
156	155.6	7	11	3.4-4.7	Fill 7	1	Mammalia	3	THO	NEUR	DOSP		55.1	28.9		I		ax	0	0	0	0	0	0	0	0	0	9	
157	155.6	7	11	3.4-4.7	Fill 7	1	Bos taurus	3	FEM	DSH	LAT	0.3	93.4	43.9		I		I	1	1	0	0	0	0	0	0	0	1	
158	155.6	7	11	3.4-4.7	Fill 7	1	Artiodactyla	2	RAD	DSH	FR	0.4	58.2	14.1		I		I	0	0	0	0	0	0	0	0	0	1	
159	155.6	7	11	3.4-4.7	Fill 7	1	Mammalia	3	LBN	MSH	FR	0.1	36.4	15.6		I		I	0	0	0	0	1	0	0	0	0	1	up to 4 cut marks
160	155.6	7	11	3.4-4.7	Fill 7	1	Artiodactyla	2	HUM	MSH	FR	0.2	45.2	19.1		I		I	0	0	0	0	0	0	0	0	0	1	
161	155.6	7	11	3.4-4.7	Fill 7	1	Mammalia	2	HUM	MSH	FR	0.2	33.5	14.2		I		I	0	0	0	0	0	0	0	0	0	1	
162	155.6	7	11	3.4-4.7	Fill 7	1	Mammalia	2	LBN	NEF	FR	0.2	58.4	8.8		I		I	0	0	0	0	0	0	0	0	0	1	
163	155.6	7	11	3.4-4.7	Fill 7	1	Mammalia	2	LBN	MSH	FR	0.2	29.0	18.5		I		I	0	0	0	0	0	0	0	0	0	1	
164	155.6	7	11	3.4-4.7	Fill 7	1	Mammalia	2	LBN	MSH	FR	0.2	34.3	11.8		I		I	0	0	1	0	0	0	0	0	0	1	
165	155.6	7	11	3.4-4.7	Fill 7	1	Mammalia	2	LBN	MSH	FR	0.3	35.8	12.2		I		I	0	0	0	0	0	0	0	0	0	1	
166	155.6	7	11	3.4-4.7	Fill 7	1	Mammalia	2	LBN	MSH	FR	0.2	28.9	9.6		I		I	1	1	0	0	0	0	0	0	0	1	
167	155.6	7	11	3.4-4.7	Fill 7	1	Mammalia	3	RIB	MSH	FR		52.3	16.8		I		I	3	1	0	0	0	0	0	0	0	9	
168	155.6	7	11	3.4-4.7	Fill 7	1	Mammalia	3	RIB	MSH	FR		47.0	18.5		I		I	0	0	0	0	0	0	0	0	0	9	
169	155.6	7	11	3.4-4.7	Fill 7	1	Mammalia	3	RIB	MSH	FR		68.9	16.6		I		I	0	0	0	0	0	0	0	0	0	9	
170	155.6	7	11	3.4-4.7	Fill 7	1	Mammalia	3	RIB	MSH	FR		42.8	15.0		I		I	0	0	0	0	0	0	0	0	0	9	

171	155.6	7	11	3.4-4.7	Fill 7	1	Mammalia	3	RIB	MSH	FR		30.7	13.0		I		I	0	0	0	0	0	0	0	0	0	9	
172	155.6	7	11	3.4-4.7	Fill 7	1	Mammalia	3	RIB	MSH	FR		30.3	23.8		I		I	0	0	0	0	0	0	0	0	0	9	
173	155.6	7	11	3.4-4.7	Fill 7	1	Mammalia	3	RIB	MSH	FR		35.5	19.8		I		I	0	0	0	0	0	0	0	0	0	9	
174	155.6	7	11	3.4-4.7	Fill 7	1	Mammalia	3	RIB	MSH	FR		48.2	15.8		I		I	3	1	0	0	0	0	0	0	0	9	
175	155.6	7	11	3.4-4.7	Fill 7	1	Mammalia	3	RIB	MSH	FR		33.3	14.3		I		I	0	0	0	0	0	0	0	0	0	9	
176	155.6	7	11	3.4-4.7	Fill 7	1	Mammalia	3	RIB	MSH	FR		22.6	11.6		I		I	0	0	0	0	0	0	0	0	0	9	
177	155.6	7	11	3.4-4.7	Fill 7	1	Mammalia	3	RIB	MSH	FR		19.6	15.0		I		I	0	0	0	0	0	0	0	0	0	9	
178	155.6	7	11	3.4-4.7	Fill 7	1	Mammalia	2	RIB	PSH	FR		25.4	21.0		S		I	0	0	0	0	0	0	0	0	0	9	
179	155.6	7	11	3.4-4.7	Fill 7	1	Mammalia	2	NID	NID	FR		36.7	18.2		I		I	0	0	0	0	0	0	0	0	0	9	
180	155.6	7	11	3.4-4.7	Fill 7	1	Mammalia	2	NID	NID	FR		21.7	21.0		S		I	0	0	0	0	0	0	0	0	0	9	
181	155.6	7	11	3.4-4.7	Fill 7	1	Mammalia	2	NID	NID	FR		28.2	7.8		I		I	0	0	0	0	0	0	0	0	0	9	
182	155.6	7	11	3.4-4.7	Fill 7	1	Mammalia	2	NID	NID	FR		28.8	14.3		I		I	0	0	0	0	0	0	0	0	0	9	
183	155.6	7	11	3.4-4.7	Fill 7	1	Mammalia	2	NID	NID	FR		21.9	16.3		I		I	0	0	0	0	0	0	0	0	0	9	
184	155.6	7	11	3.4-4.7	Fill 7	1	Mammalia	2	NID	NID	FR		19.6	13.4		S		I	0	0	0	0	0	0	0	0	0	9	
185	155.6	7	11	3.4-4.7	Fill 7	1	Mammalia	3	LUM	NEUR	LATPR		44.7	12.8		I		I	0	0	0	0	0	0	0	0	0	9	
186	155.6	7	11	3.4-4.7	Fill 7	1	Aves	md	RIB	PSH	FR		34.7	8.1		I		I	0	0	0	0	0	0	0	0	0	9	
187	155.6	7	11	3.4-4.7	Fill 7	1	Aves	md	LBN	DSH	FR		32.7	9.2		I		I	0	0	0	0	0	0	0	0	0	9	
188	155.6	7	11	3.4-4.7	Fill 7	1	Aves	md	LBN	DSH	FR		26.2	10.0		I		I	0	0	0	0	0	0	0	0	0	9	
189	155.7	7	11	3.4-4.7	Fill 7	1	Sus scrofa	2	HMAN	HRAM	ALV		108.7	50.3	M1: L:17.1, W:12.0; P4: L: 14.6, W:9.3 mm	I	>12-16 months, abt. 2 years	R	0	0	0	1	0	0	0	0	0	9	chopped through M2, contains M2, M1, P4, P3, and C, all in wear
190	155.7	7	11	3.4-4.7	Fill 7	1	Sus scrofa	2	HMAN	HRAM	ALV		49.2	29.2		I		L	0	0	0	1	0	0	0	0	0	9	chopped into teeth, probably about M2 area
191	155.7	7	11	3.4-4.7	Fill 7	1	Bos taurus	3	MTT	MSH	ANT	0.4	112.2	28.2		I		I	0	0	0	1	0	0	0	0	0	1	chopped MSH
192	155.7	7	11	3.4-4.7	Fill 7	1	Sus scrofa	2	MTT2		CO	1.0	40.2	10.8		S		L	3	1	0	0	1	0	0	0	0	9	1 cut mark
193	155.7	7	11	3.4-4.7	Fill 7	1	Bos taurus	3	RIB	PSH	FR		70.8	29.9		I		I	0	0	0	1	0	0	0	0	0	9	chopped PSH
194	155.7	7	11	3.4-4.7	Fill 7	1	Mammalia	3	LUM	CEN	EPI		32.6	25.4		S		ax	0	0	0	1	0	0	0	0	0	9	chopped sagittally
195	156.08	7	12	4.3-4.5	Fill 8	1	Mammalia	3	LUM	CEN	FR		66.9	51.8		S		ax	0	0	0	1	0	0	0	0	0	9	chopped sagittally
196	156.08	7	12	4.3-4.5	Fill 8	1	Felis catus	1b	CER1		CO		26.9	15.8		I		ax	0	0	0	0	0	0	0	0	0	9	
197	156.9	7	12	4.3-4.5	Fill 8	1	Bos taurus	3	CRA		TOOTH					I		I	0	0	0	0	0	0	0	0	0	9	unerupted, possible MAX PREMOLAR
198	169	8	5	1.3-1.55	Fill 2	5	Mercenaria mercenaria		SHELL		FR					I		I	0	0	0	0	0	0	0	0	0	9	
199	169	8	5	1.3-1.55	Fill 2	2	Mercenaria mercenaria		SHELL		HINGE					I		I	0	0	0	0	0	0	0	0	0	9	
200	169	8	5	1.3-1.55	Fill 2	1	Crassostrea virginica		SHELL		FR					I		I	0	0	0	0	0	0	0	0	0	9	burned
201	169	8	5	1.3-1.55	Fill 2	2	Crassostrea virginica		SHELL		HINGE					I		I	0	0	0	0	0	0	0	0	0	9	no bores
202	169	8	5	1.3-1.55	Fill 2	13	Bos taurus	3	TOOTH		MOLAR					I		I	0	0	0	0	0	0	0	0	0	9	enamel and root FR
203	169	8	5	1.3-1.55	Fill 2	1	Bos taurus	3	HMAN	HRAM	dP4					I	<28-36 months	L	0	0	0	0	0	0	0	0	0	9	heavy wear
204	169	8	5	1.3-1.55	Fill 2	1	Bos taurus	3	HMAN	HRAM	M1					I	>5-6 months	L	0	0	0	0	0	0	0	0	0	9	moderate wear
205	169	8	5	1.3-1.55	Fill 2	1	Ovis aries	2	HMAN	HRAM	M2					I	>9-12 months	R	0	0	0	0	0	0	0	0	0	9	moderate wear
206	169	8	5	1.3-1.55	Fill 2	3	Sus scrofa	2	TOOTH		MOLAR					I		I	0	0	0	0	0	0	0	0	0	9	enamel and root FR
207	169	8	5	1.3-1.55	Fill 2	1	Sus scrofa	2	HMAN	HRAM	I3					I	>8-12 months	R	0	0	0	0	0	0	0	0	0	9	

208	169	8	5	1.3-1.55	Fill 2	1	Bos taurus	3	MAX		M1				I	>5-6 months	R	0	0	0	0	0	0	0	0	0	9	moderate wear
209	169	8	5	1.3-1.55	Fill 2	1	Bos taurus	3	MAX		M1				I	>5-6 months	L	0	0	0	0	0	0	0	0	0	9	moderate wear
210	169	8	5	1.3-1.55	Fill 2	1	Bos taurus	3	MAX		P3				I	>18-30 months	L	0	0	0	0	0	0	0	0	0	9	moderate wear
211	169	8	5	1.3-1.55	Fill 2	1	Bos taurus	3	MAX		P4				I	>28-36 months	L	0	0	0	0	0	0	0	0	0	9	moderate wear
212	169	8	5	1.3-1.55	Fill 2	1	Bos taurus	3	MAX		M2				I	>15-18 months	L	0	0	0	0	0	0	0	0	0	9	moderate wear
213	169	8	5	1.3-1.55	Fill 2	1	Bos taurus	3	MAX		M3				I	>24-30 months	L	0	0	0	0	0	0	0	0	0	9	minor wear
214	169	8	5	1.3-1.55	Fill 2	1	Bos taurus	3	AST		FR		70.4	42.3	I		R	0	0	0	0	0	0	0	0	0	9	4 FR, severely broken by exacavtors
215	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	OCC	STPR	FR		22.5	17.8	I		I	0	0	0	0	0	0	0	0	0	9	
216	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	LUM	NEUR	DOSP		43.2	22	I		ax	0	0	0	0	0	0	0	0	0	9	
217	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	LUM	NEUR	DOSP		50.1	31.4	I		ax	0	0	0	0	0	0	0	0	0	9	
218	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	LUM	NEUR	PREZ		36.4	31.2	I		ax	0	0	0	0	0	0	0	0	0	9	
219	169	8	5	1.3-1.55	Fill 2	1	Bos taurus	3	ZYG/TEM		FR		50.2	31.5	I		I	0	0	0	0	0	0	0	0	0	9	
220	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	SCA	BLADE	INF		71.1	42.6	I		I	0	0	0	1	0	0	0	0	0	9	chopped
221	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	SCA	BLADE	INF		69.8	45.6	I		I	0	0	0	0	0	0	0	0	0	9	
222	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	SCA	BLADE	FR		25.2	16.1	I		I	0	0	0	0	0	0	0	0	0	9	2 FR, excavator broken
223	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	SCA	BLADE	SP		40.7	25.1	I		I	0	0	0	0	0	0	0	0	0	9	
224	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	SCA	BLADE	FR		27.3	20.6	I		I	0	0	0	0	0	0	0	0	0	9	
225	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	SCA	BLADE	FR		25.4	11.8	I		I	0	0	0	0	0	0	0	0	0	9	
226	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	SCA	BLADE	FR		23.8	14.3	I		I	0	0	0	0	0	0	0	0	0	9	
227	169	8	5	1.3-1.55	Fill 2	1	Artiodactyla	2	LUM	CEN	EPI		21.1	13.7	S		ax	0	0	0	0	0	0	0	0	0	9	
228	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	LBN	MSH	FR	0.1	39.2	14.0	I		I	0	0	0	0	0	0	0	0	0	1	
229	169	8	5	1.3-1.55	Fill 2	1	Mammalia	2	LBN	NEF	FR	0.2	22.0	12.8	I		I	1	1	0	0	0	0	0	0	0	1	
230	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	LBN	MSH	FR	0.1	34.8	16.0	I		I	0	0	0	0	0	0	0	0	0	7	
231	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	LBN	NEF	FR	0.2	36.3	25.0	I		I	0	0	0	0	0	0	0	0	0	1	
232	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	LBN	NEF	FR	0.1	24.3	12.6	I		I	0	0	0	0	0	0	0	0	0	3	
233	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	LBN	NEF	FR	0.1	25.2	12.9	I		I	0	0	0	0	0	0	0	0	0	1	
234	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	RIB	MSH	FR		26.9	14.4	I		I	0	0	0	0	0	0	0	0	0	9	
235	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	RIB	MSH	FR		21.2	11.8	I		I	0	0	0	0	0	0	0	0	0	9	
236	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	RIB	MSH	FR		19.8	10.1	I		I	0	0	0	0	0	0	0	0	0	9	
237	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	RIB	MSH	FR		33.8	9.4	I		I	0	0	0	0	0	0	0	0	0	9	
238	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	RIB	MSH	FR		21.8	6.4	I		I	0	0	0	0	0	0	0	0	0	9	
239	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	RIB	MSH	FR		32.3	15.6	I		I	0	0	0	0	0	0	0	0	0	9	
240	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	RIB	MSH	FR		21.7	7.4	I		I	0	0	0	0	0	0	0	0	0	9	
241	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	RIB	MSH	FR		25.8	6.4	I		I	0	0	0	0	0	0	0	0	0	9	
242	169	8	5	1.3-1.55	Fill 2	1	Mammalia	2	LBN	MSH	FR	0.2	24.2	12.5	I		I	0	0	0	0	0	0	0	0	0	1	
243	169	8	5	1.3-1.55	Fill 2	1	Mammalia	2	LBN	NEF	FR	0.2	22.2	9.6	I		I	0	0	0	0	0	0	0	0	0	1	
244	169	8	5	1.3-1.55	Fill 2	1	Mammalia	2	LBN	NEF	FR	0.1	19.2	9.8	I		I	0	0	0	0	0	0	0	0	0	1	
245	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	RIB	MSH	FR		15.2	7.8	I		I	0	0	0	0	0	0	0	0	0	9	
246	169	8	5	1.3-1.55	Fill 2	1	Mammalia	2	LBN	MSH	FR	0.1	15.0	8.5	I		I	0	0	0	0	0	0	0	0	0	9	
247	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	RIB	MSH	FR		14.2	9.3	I		I	0	0	0	0	0	0	0	0	0	9	
248	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	LBN	NEF	FR	0.1	18.1	13.3	I		I	0	0	0	0	0	0	0	0	0	2	
249	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	RIB	MSH	FR		33.9	8.1	I		I	0	0	0	1	0	0	0	0	0	9	chopped
250	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	NID	NID	FR		27.6	17.2	I		I	0	0	0	0	0	0	0	0	0	9	
251	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	NID	NID	FR		25.9	20.0	I		I	0	0	0	0	0	0	0	0	0	9	

252	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	NID	NID	FR		17.9	10.8		I		I	0	0	0	0	0	0	0	0	0	9	
253	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	NID	NID	FR		22.5	19.8		I		I	0	0	0	0	0	0	0	0	0	9	
254	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	NID	NID	FR		34.9	23.2		I		I	0	0	0	0	0	0	0	0	0	9	
255	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	NID	NID	FR		14.0	8.0		I		I	0	0	0	0	0	0	0	0	0	9	
256	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	NID	NID	FR		19.8	14.8		I		I	0	0	0	0	0	0	0	0	0	9	
257	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	NID	NID	FR		16.0	10.9		I		I	0	0	0	0	0	0	0	0	0	9	
258	169	8	5	1.3-1.55	Fill 2	1	Mammalia	3	NID	NID	FR		20.1	9.0		I		I	0	0	0	0	0	0	0	0	0	9	
259	169	8	5	1.3-1.55	Fill 2	1	Mammalia	2	NID	NID	FR		14.8	12.0		I		I	0	0	0	0	0	0	0	0	0	9	
260	169	8	5	1.3-1.55	Fill 2	1	Aves	md	LBN	EPI	CS	1.0	23.8	9.4		I		I	0	0	0	0	1	0	0	0	0	9	numerous cuts at EPI end
261	170	8	6	1.55-1.8	Fill 2	9	Mercenaria mercenaria		SHELL		FR					I		I	0	0	0	0	0	0	0	0	0	9	
262	170	8	6	1.55-1.8	Fill 2	4	Crassostrea virginica		SHELL		FR					I		I	0	0	0	0	0	0	0	0	0	9	
263	170	8	6	1.55-1.8	Fill 2	1	Crassostrea virginica		SHELL		HINGE					I		I	0	0	0	0	0	0	0	0	0	9	
264	170	8	6	1.55-1.8	Fill 2	1	Crassostrea virginica		SHELL		CO		87.2	59.4	LHR: 1.5	I		I	0	0	0	0	0	0	0	0	0	9	large bores
265	170	8	6	1.55-1.8	Fill 2	1	Sus scrofa	2	HMAN	HRAM	ALV		108.8	51.5	M1: L: 17.8, W: 12.0 mm; M2: L: 23.6, W: 15.9 mm	I	abt. 12-16 months	L	0	0	0	0	0	1	0	0	0	9	scrape, contains P2, dP3, dP4, M1, and M2, M2 in wear, P2 unerupted
266	170	8	6	1.55-1.8	Fill 2	1	Bos taurus	3	ILI	BLADE	FR		167.2	70.9		I		I	0	0	0	0	1	1	0	0	0	9	1 cut mark, scraped, severely broken by excavator, 4 FR
267	170	8	6	1.55-1.8	Fill 2	1	Bos taurus	3	RAD	DS	FR	0.5	129.9	40.9		S		L	0	0	0	1	1	0	0	0	0	1	3 cut marks, chopped MSH, severely excavator broken 8 FR
268	170	8	6	1.55-1.8	Fill 2	1	Bos taurus	3	CER2	ODON	FR		61.4	40.3		I		I	0	0	0	0	0	0	0	0	0	9	
269	170	8	6	1.55-1.8	Fill 2	1	Bos taurus	3	PHA2	PX	FR		38.2	32.2		A		I	0	0	0	0	0	0	0	0	0	9	
270	170	8	6	1.55-1.8	Fill 2	1	Bos taurus	3	UNC		FR		41.3	35.7		I		R	1	1	0	0	0	0	0	0	0	9	
271	170	8	6	1.55-1.8	Fill 2	1	Sus scrofa	2	TIB	PSH	CS	1.0	100.1	33.3		I		I	0	0	0	0	1	0	0	0	0	5	7 cut marks
272	170	8	6	1.55-1.8	Fill 2	1	Ovis aries	2	RAD	PX	CS	1.0	67.0	36.9		A		L	0	0	0	0	0	0	0	0	0	1	2 FR
273	170	8	6	1.55-1.8	Fill 2	1	Ovis aries	2	RAD	MSH	FR	0.3	31.0	12.9		I		I	0	0	0	0	0	0	0	0	0	1	
274	170	8	6	1.55-1.8	Fill 2	1	Sus scrofa	2	HMAN	HRAM	ALV		47.1	27.6		I		I	0	0	0	0	0	0	0	0	0	9	
275	170	8	6	1.55-1.8	Fill 2	1	Sus scrofa	2	CRA		ALV		21.2	13.8		I		I	0	0	0	0	0	0	0	0	0	9	
276	170	8	6	1.55-1.8	Fill 2	1	Bos taurus	3	HMAN	HRAM	ALV		76.7	30.2		I		I	0	0	0	0	0	0	0	0	0	9	
277	170	8	6	1.55-1.8	Fill 2	1	Bos taurus	3	CRA		ALV		31.4	14.5		I		I	0	0	0	0	0	0	0	0	0	9	
278	170	8	6	1.55-1.8	Fill 2	1	Bos taurus	3	CRA		ALV		22.4	18.4		I		I	0	0	0	0	0	0	0	0	0	9	
279	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	CRA		FR		35.8	16.0		I		I	0	0	0	0	0	0	0	0	0	9	
280	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	CRA		FR		41.7	24.2		I		I	0	0	0	0	0	0	0	0	0	9	
281	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	CRA		FR		30.6	18.7		I		I	0	0	0	0	0	0	0	0	0	9	
282	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	CRA		FR		32.1	19.4		I		I	0	0	0	0	0	0	0	0	0	9	
283	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	CRA		FR		31.0	23.0		I		I	0	0	0	0	0	0	0	0	0	9	
284	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	CRA		FR		23.9	18.2		I		I	0	0	0	0	0	0	0	0	0	9	
285	170	8	6	1.55-1.8	Fill 2	1	Bos taurus	3	MAX		ALV		45.4	30.6		I		I	0	0	0	0	1	0	0	0	0	9	2 cut marks
286	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	NID	NID	FR		54.1	29.2		I		I	0	0	0	0	0	0	0	0	0	9	
287	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	NID	NID	FR		38.0	25.4		I		I	0	0	0	0	0	0	0	0	0	9	
288	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	NID	NID	FR		28.4	21.1		I		I	0	0	0	0	0	0	0	0	0	9	
289	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	NID	NID	FR		19.2	13.8		I		I	0	0	0	0	0	0	0	0	0	9	
290	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	NID	NID	FR		32.8	21.1		I		I	0	0	0	0	0	0	0	0	0	9	
291	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	NID	NID	FR		41.2	33.0		I		I	0	0	0	1	0	0	0	0	0	9	chopped
292	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	NID	NID	FR		23.8	16.2		I		I	0	0	0	0	0	0	0	0	0	9	
293	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	NID	NID	FR		33.3	25.5		I		I	0	0	0	0	0	0	0	0	0	9	
294	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	NID	NID	FR		31.4	18.2		I		I	0	0	0	0	0	0	0	0	0	9	
295	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	NID	NID	FR		22.8	14.1		I		I	0	0	0	0	0	0	0	0	0	9	

296	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	NID	NID	FR		25.0	13.2	I	I	0	0	0	0	0	0	0	0	0	9	
297	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	NID	NID	FR		40.5	25.8	I	I	0	0	0	0	0	0	0	0	0	9	
298	170	8	6	1.55-1.8	Fill 2	1	Mammalia	2	NID	NID	FR		14.5	10.8	I	I	0	0	0	0	0	0	0	0	0	9	
299	170	8	6	1.55-1.8	Fill 2	1	Mammalia	2	NID	NID	FR		21.7	13.8	I	I	0	0	0	0	0	0	0	0	0	9	
300	170	8	6	1.55-1.8	Fill 2	1	Mammalia	2	NID	NID	FR		19.4	11.9	I	I	0	0	0	0	0	0	0	0	0	9	
301	170	8	6	1.55-1.8	Fill 2	1	Mammalia	2	NID	NID	FR		20.2	10.1	I	I	0	0	0	0	0	0	0	0	0	9	
302	170	8	6	1.55-1.8	Fill 2	1	Mammalia	2	NID	NID	FR		21.8	16.4	I	I	0	0	0	0	0	0	0	0	0	9	
303	170	8	6	1.55-1.8	Fill 2	1	Mammalia	2	NID	NID	FR		15.8	10.0	I	I	0	0	0	0	0	0	0	0	0	9	
304	170	8	6	1.55-1.8	Fill 2	1	Mammalia	2	NID	NID	FR		16.0	13.2	I	I	0	0	0	0	0	0	0	0	0	9	
305	170	8	6	1.55-1.8	Fill 2	1	Mammalia	2	NID	NID	FR		16.5	9.2	I	I	0	0	0	0	0	0	0	0	0	9	
306	170	8	6	1.55-1.8	Fill 2	1	Mammalia	2	NID	NID	FR		14.3	10.0	I	I	0	0	0	0	0	0	0	0	0	9	
307	170	8	6	1.55-1.8	Fill 2	1	Mammalia	2	NID	NID	FR		14.2	10.9	I	I	0	0	0	0	0	0	0	0	0	9	
308	170	8	6	1.55-1.8	Fill 2	1	Mammalia	2	NID	NID	FR		10.0	7.8	I	I	0	0	0	0	0	0	0	0	0	9	
309	170	8	6	1.55-1.8	Fill 2	1	Mammalia	2	NID	NID	FR		19.1	7.4	I	I	0	0	0	0	0	0	0	0	0	9	
310	170	8	6	1.55-1.8	Fill 2	1	Mammalia	2	NID	NID	FR		14.4	6.8	I	I	0	0	0	0	0	0	0	0	0	9	
311	170	8	6	1.55-1.8	Fill 2	1	Mammalia	2	NID	NID	FR		14.6	10.6	I	I	0	0	0	0	0	0	0	0	0	9	
312	170	8	6	1.55-1.8	Fill 2	1	Mammalia	2	NID	NID	FR		14.8	11.2	I	I	0	0	0	0	0	0	0	0	0	9	
313	170	8	6	1.55-1.8	Fill 2	1	Mammalia	2	NID	NID	FR		13.4	10.8	I	I	0	0	0	0	0	0	0	0	0	9	
314	170	8	6	1.55-1.8	Fill 2	1	Mammalia	2	NID	NID	FR		9.9	7.2	I	I	0	0	0	0	0	0	0	0	0	9	
315	170	8	6	1.55-1.8	Fill 2	1	Mammalia	2	NID	NID	FR		14.8	6.6	I	I	0	0	0	0	0	0	0	0	0	9	
316	170	8	6	1.55-1.8	Fill 2	1	Mammalia	2	NID	NID	FR		22.6	18.0	I	I	0	0	0	0	0	0	0	0	0	9	
317	170	8	6	1.55-1.8	Fill 2	1	Mammalia	2	NID	NID	FR		19.6	13.3	I	I	0	0	0	0	0	0	0	0	0	9	
318	170	8	6	1.55-1.8	Fill 2	1	Artiodactyla	2	CER	NEUR	PREZ		32.5	17.9	I	ax	0	0	0	0	0	0	0	0	0	9	
319	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	RIB	MSH	FR		50.0	37.6	I	I	1	1	0	0	0	0	0	0	1	9	
320	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	RIB	MSH	FR		58.2	26.4	I	I	0	0	0	0	0	0	0	0	0	9	
321	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	RIB	MSH	FR		30.8	18.7	I	I	0	0	0	0	0	0	0	0	0	9	
322	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	RIB	MSH	FR		38.7	10.0	I	I	0	0	0	0	0	0	0	0	0	9	
323	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	RIB	MSH	FR		32.2	11.0	I	I	0	0	0	0	0	0	0	0	0	9	
324	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	RIB	MSH	FR		16.9	15.0	I	I	0	0	0	1	0	0	0	0	0	9	chopped
325	170	8	6	1.55-1.8	Fill 2	2	Bos taurus	3	TOOTH		ROOT				I	I	0	0	0	0	0	0	0	0	0	9	
326	170	8	6	1.55-1.8	Fill 2	2	Artiodactyla	2	TOOTH		ROOT				I	I	0	0	0	0	0	0	0	0	0	9	
327	170	8	6	1.55-1.8	Fill 2	1	Bos taurus	3	TOOTH		MOLAR				I	I	0	0	0	0	0	0	0	0	0	9	
328	170	8	6	1.55-1.8	Fill 2	1	Sus scrofa	2	TOOTH		MOLAR				I	I	0	0	0	0	0	0	0	0	0	9	
329	170	8	6	1.55-1.8	Fill 2	1	Felis catus	1b	HUM	DS	CS	1.0	54.3	16.0	A	L	0	0	0	0	0	0	0	0	0	9	3 FR, excavator broken
330	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	NID	NID	FR		33.4	11.6	I	I	0	0	0	0	0	0	0	0	0	9	
331	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	LBN	MSH	FR	0.2	23.8	20.8	I	I	0	0	0	0	0	0	0	0	0	1	
332	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	LBN	MSH	FR	0.1	40.0	11.2	I	I	0	0	0	0	0	0	0	0	0	7	
333	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	LBN	MSH	FR	0.1	22.8	11.2	I	I	0	0	0	0	0	0	0	0	0	7	
334	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	LBN	MSH	FR	0.1	18.7	12.6	I	I	0	0	0	0	0	0	0	0	0	1	
335	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	LBN	MSH	FR	0.1	20.8	13.4	I	I	0	0	0	0	0	0	0	0	0	7	
336	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	LBN	MSH	FR	0.1	20.2	11.5	I	I	0	0	0	0	0	0	0	0	0	7	
337	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	LBN	NEF	FR	0.2	34.8	18.3	I	I	0	0	0	0	0	0	0	0	0	4	
338	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	LBN	NEF	FR	0.2	47.1	19.2	I	I	0	0	0	0	0	0	0	0	0	1	
339	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	LBN	NEF	FR	0.2	33.8	22.0	I	I	0	0	0	0	0	0	0	0	0	1	
340	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	LBN	NEF	FR	0.1	23.7	20.8	I	I	0	0	0	0	0	0	0	0	0	1	
341	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	LBN	NEF	FR	0.1	29.2	13.2	I	I	0	0	0	0	0	0	0	0	0	9	
342	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	LBN	NEF	FR	0.1	23.1	15.9	I	I	0	0	0	0	0	0	0	0	0	9	
343	170	8	6	1.55-1.8	Fill 2	1	Mammalia	2	LBN	NEF	FR	0.2	27.6	12.8	I	I	1	1	0	0	1	0	0	0	0	1	1 cut mark
344	170	8	6	1.55-1.8	Fill 2	1	Mammalia	2	LBN	NEF	FR	0.3	36.1	18.0	I	I	0	0	0	0	1	0	0	0	0	1	1 cut mark
345	170	8	6	1.55-1.8	Fill 2	1	Mammalia	2	LBN	NEF	FR	0.2	49.6	17.2	I	I	0	0	0	0	0	0	0	0	1	1	
346	170	8	6	1.55-1.8	Fill 2	1	Mammalia	2	LBN	NEF	FR	0.1	22.8	9.4	I	I	0	0	0	0	0	0	0	0	0	1	
347	170	8	6	1.55-1.8	Fill 2	1	Mammalia	2	LBN	NEF	FR	0.2	22.1	12.0	I	I	0	0	0	0	0	0	0	0	0	5	
348	170	8	6	1.55-1.8	Fill 2	1	Mammalia	2	LBN	NEF	FR	0.1	20.8	11.8	I	I	0	0	0	0	0	0	0	0	0	1	
349	170	8	6	1.55-1.8	Fill 2	1	Mammalia	2	LBN	NEF	FR	0.3	28.8	18.0	I	I	0	0	0	0	0	0	0	0	0	4	
350	170	8	6	1.55-1.8	Fill 2	1	Mammalia	2	LBN	NEF	FR	0.1	19.8	12.4	I	I	0	0	0	0	0	0	0	0	0	1	
351	170	8	6	1.55-1.8	Fill 2	1	Sus scrofa	2	FEM	DSH	POST	0.4	33.0	21.2	I	R	0	0	0	1	0	0	0	0	0	1	chopped
352	170	8	6	1.55-1.8	Fill 2	1	Mammalia	3	RIB	MSH	FR		66.6	12.3	I	I	0	0	0	0	0	0	0	0	0	9	
353	170	8	6	1.55-1.8	Fill 2	1	Mammalia	2	LBN	MSH	FR	0.3	35.8	6.2	I	I	0	0	0	0	0	0	0	0	0	1	

354	170	8	6	1.55-1.8	Fill 2	1	Mammalia	2	LBN	MSH	FR	0.2	32.1	11.9		I		I	0	0	0	0	0	0	0	0	0	9	
355	170	8	6	1.55-1.8	Fill 2	1	Mammalia	2	LBN	MSH	FR	0.1	14.2	9.8		I		I	0	0	0	0	0	0	0	0	0	2	
356	170	8	6	1.55-1.8	Fill 2	1	Mammalia	2	LBN	MSH	FR	0.3	25.4	14.0		I		I	0	0	0	0	0	0	0	0	1	4	
357	170	8	6	1.55-1.8	Fill 2	1	Mammalia	2	LBN	MSH	FR	0.1	18.6	9.8		I		I	0	0	0	0	0	0	0	0	0	1	
358	170	8	6	1.55-1.8	Fill 2	1	Mammalia	2	LBN	MSH	FR	0.2	17.2	13.1		I		I	0	0	0	0	0	0	0	0	0	1	
359	170	8	6	1.55-1.8	Fill 2	1	Bos taurus	3	MAX		M1					I	>5-6 months	R	0	0	0	0	0	0	0	0	0	9	moderate wear
360	170	8	6	1.55-1.8	Fill 2	1	Bos taurus	3	MAX		M2					I	>15-18 months	R	0	0	0	0	0	0	0	0	0	9	moderate wear
361	170	8	6	1.55-1.8	Fill 2	1	Bos taurus	3	MAX		M3					I	>24-30 months	R	0	0	0	0	0	0	0	0	0	9	minor wear, 2 FR
362	170	8	6	1.55-1.8	Fill 2	5	Bos taurus	3	TOOTH		FR					I		I	0	0	0	0	0	0	0	0	0	9	
363	170	8	6	1.55-1.8	Fill 2	1	Ovis aries	2	MAX		M2					I	abt 3-6 years	L	0	0	0	0	0	0	0	0	0	9	moderate wear
364	170	8	6	1.55-1.8	Fill 2	1	Ovis aries	2	MAX		P4					I	>20-24 months	I	0	0	0	0	0	0	0	0	0	9	minor wear
365	170	8	6	1.55-1.8	Fill 2	1	Bos taurus	3	HMAN	HRAM	I1					I	>14-25 months	L	0	0	0	0	0	0	0	0	0	9	just into wear
366	170	8	6	1.55-1.8	Fill 2	1	Bos taurus	3	HMAN	HRAM	I3					I	>22-40 months	L	0	0	0	0	0	0	0	0	0	9	just into wear
367	170	8	6	1.55-1.8	Fill 2	1	Bos taurus	3	MAX		P4					I	>28-36 months	R	0	0	0	0	0	0	0	0	0	9	mild wear
368	170	8	6	1.55-1.8	Fill 2	1	Sus scrofa	2	HMAN	HRAM	P4				P4: L: 12.9, W:10.0 mm	I	>12-16 months	L	0	0	0	0	0	0	0	0	0	9	mild wear, 4 FR
369	170	8	6	1.55-1.8	Fill 2	1	Sus scrofa	2	HMAN	HRAM	I1					I	>12-17 months	R	0	0	0	0	0	0	0	0	0	9	just into wear, 3FR
370	171	8	7	1.8-2.05	Fill 2	1	Crassostrea virginica		SHELL		FR					I		I	0	0	0	0	0	0	0	0	0	9	
371	171	8	7	1.8-2.05	Fill 2	1	Ovis aries	2	HMAN	HRAM	I1					I	>18-24 months	R	0	0	0	0	0	0	0	0	0	9	in wear
372	171	8	7	1.8-2.05	Fill 2	1	Ovis aries	2	HMAN	HRAM	I2					I	>18-24 months	R	0	0	0	0	0	0	0	0	0	9	in wear
373	171	8	7	1.8-2.05	Fill 2	1	Sus scrofa	2	TOOTH		MOLAR					I		I	0	0	0	0	0	0	0	0	0	9	FR
374	171	8	7	1.8-2.05	Fill 2	3	Mammalia	2	TOOTH		ROOT					I		I	0	0	0	0	0	0	0	0	0	9	FR
375	171	8	7	1.8-2.05	Fill 2	1	Bos taurus	3	MAX		P4					I	>28-36 months	L	0	0	0	0	0	0	0	0	0	9	moderate wear
376	171	8	7	1.8-2.05	Fill 2	1	Bos taurus	3	MAX		M1					I	>5-6 months	L	0	0	0	0	0	0	0	0	0	9	moderate wear
377	171	8	7	1.8-2.05	Fill 2	1	Bos taurus	3	MAX		M2					I	>15-18 months	L	0	0	0	0	0	0	0	0	0	9	moderate wear

378	171	8	7	1.8-2.05	Fill 2	1	Bos taurus	3	MAX		M3				I	>24-30 months	L	0	0	0	0	0	0	0	0	0	9	moderate wear
379	171	8	7	1.8-2.05	Fill 2	1	Sus scrofa	2	TIB	PSH	MD	0.4	82.7	33.2	I		I	0	0	0	0	0	0	0	0	0	1	
380	171	8	7	1.8-2.05	Fill 2	1	Ovis aries	2	FEM	DSH	CS	1.0	52.6	24.1	I		I	3	1	0	0	0	1	0	0	0	1	scrape DSH ANT
381	171	8	7	1.8-2.05	Fill 2	1	Sus scrofa	2	FEM	DSH	POST	0.7	63.2	23.3	I		I	0	0	0	0	1	0	0	0	0	1	12 cut marks
382	171	8	7	1.8-2.05	Fill 2	1	Bos taurus	3	MAX		ALV		18.8	11.9	I		I	0	0	0	0	0	0	0	0	0	9	
383	171	8	7	1.8-2.05	Fill 2	1	Bos taurus	3	MAX		ALV		27.0	13.1	I		I	0	0	0	0	0	0	0	0	0	9	
384	171	8	7	1.8-2.05	Fill 2	1	Bos taurus	3	MAX		ALV		31.8	19.1	I		I	0	0	0	0	0	0	0	0	0	9	
385	171	8	7	1.8-2.05	Fill 2	1	Bos taurus	3	MAX		ALV		35.8	21.6	I		I	0	0	0	0	0	0	0	0	0	9	
386	171	8	7	1.8-2.05	Fill 2	1	Bos taurus	3	MAX		ALV		38.8	23.4	I		I	0	0	0	0	0	0	0	0	0	9	
387	171	8	7	1.8-2.05	Fill 2	1	Bos taurus	3	MAX		ALV		31.3	21.1	I		I	0	0	0	0	0	0	0	0	0	9	
388	171	8	7	1.8-2.05	Fill 2	1	Bos taurus	3	MAX		ALV		18.7	10.0	I		I	0	0	0	0	0	0	0	0	0	9	
389	171	8	7	1.8-2.05	Fill 2	1	Bos taurus	3	MAX		ALV		18.1	8.2	I		I	0	0	0	0	0	0	0	0	0	9	
390	171	8	7	1.8-2.05	Fill 2	1	Bos taurus	3	MAX		ALV		15.6	8.7	I		I	0	0	0	0	0	0	0	0	0	9	
391	171	8	7	1.8-2.05	Fill 2	1	Sus scrofa	2	SAC	NEUR	LATPR		36.9	30.0	I		I	0	0	0	0	0	0	0	0	0	9	
392	171	8	7	1.8-2.05	Fill 2	1	Mammalia	3	CAR		FR		30.6	20.0	I		I	0	0	0	0	0	0	0	0	0	9	
393	171	8	7	1.8-2.05	Fill 2	1	Mammalia	3	NID	NID	FR		37.2	26.2	I		I	0	0	0	0	0	0	0	0	0	9	
394	171	8	7	1.8-2.05	Fill 2	1	Mammalia	3	NID	NID	FR		22.5	15.2	I		I	0	0	0	0	0	0	0	0	0	9	
395	171	8	7	1.8-2.05	Fill 2	1	Mammalia	3	NID	NID	FR		36.9	13.4	I		I	0	0	0	0	0	0	0	0	0	9	
396	171	8	7	1.8-2.05	Fill 2	1	Mammalia	3	NID	NID	FR		26.0	24.0	I		I	0	0	0	0	0	0	0	0	0	9	
397	171	8	7	1.8-2.05	Fill 2	1	Mammalia	3	NID	NID	FR		17.6	16.8	I		I	0	0	0	0	0	0	0	0	0	9	
398	171	8	7	1.8-2.05	Fill 2	1	Mammalia	3	NID	NID	FR		22.0	12.3	I		I	0	0	0	0	0	0	0	0	0	9	
399	171	8	7	1.8-2.05	Fill 2	1	Mammalia	3	NID	NID	FR		31.1	14.1	I		I	0	0	0	0	0	0	0	0	0	9	
400	171	8	7	1.8-2.05	Fill 2	1	Mammalia	2	FIB		FR		50.4	12.3	I		I	0	0	0	0	0	0	0	0	0	9	
401	171	8	7	1.8-2.05	Fill 2	1	Mammalia	2	RIB	MSH	FR		46.9	19.7	I		I	0	0	0	0	0	0	1	0	1	9	sawn
402	171	8	7	1.8-2.05	Fill 2	1	Mammalia	2	RIB	MSH	FR		25.9	16.4	I		I	0	0	0	0	1	0	0	0	0	9	2 cut marks
403	171	8	7	1.8-2.05	Fill 2	1	Mammalia	2	RIB	MSH	FR		21.1	8.8	I		I	0	0	0	0	0	0	0	0	0	9	
404	171	8	7	1.8-2.05	Fill 2	1	Mammalia	2	RIB	MSH	FR		30.6	10.0	I		I	0	0	0	0	0	0	0	0	0	9	
405	171	8	7	1.8-2.05	Fill 2	1	Mammalia	2	RIB	MSH	FR		26.2	14.7	I		I	0	0	0	0	1	0	0	0	0	9	4 cut marks
406	171	8	7	1.8-2.05	Fill 2	1	Mammalia	2	RIB	MSH	FR		13.8	9.0	I		I	0	0	0	0	0	0	0	0	0	9	
407	171	8	7	1.8-2.05	Fill 2	1	Mammalia	2	RIB	MSH	FR		18.8	13.2	I		I	0	0	0	0	0	0	0	0	0	9	
408	171	8	7	1.8-2.05	Fill 2	1	Mammalia	2	RIB	MSH	FR		14.2	9.1	I		I	0	0	0	0	0	0	0	0	0	9	
409	171	8	7	1.8-2.05	Fill 2	1	Mammalia	2	RIB	MSH	FR		14.3	7.1	I		I	0	0	0	0	0	0	0	0	0	9	
410	171	8	7	1.8-2.05	Fill 2	1	Mammalia	3	RIB	MSH	FR		22.2	13.8	I		I	0	0	0	0	0	0	0	0	0	9	
411	171	8	7	1.8-2.05	Fill 2	1	Mammalia	3	RIB	MSH	FR		40.1	26.2	I		I	0	0	0	1	0	0	0	0	0	9	chopped
412	171	8	7	1.8-2.05	Fill 2	1	Mammalia	3	RIB	MSH	FR		41.8	24.1	I		I	0	0	0	0	0	0	0	0	0	9	
413	171	8	7	1.8-2.05	Fill 2	1	Mammalia	3	RIB	MSH	FR		26.0	15.1	I		I	0	0	0	0	0	0	0	0	0	9	
414	171	8	7	1.8-2.05	Fill 2	1	Mammalia	3	RIB	MSH	FR		17.8	8.9	I		I	0	0	0	0	0	0	0	0	0	9	
415	171	8	7	1.8-2.05	Fill 2	1	Mammalia	3	RIB	MSH	FR		16.2	13.2	I		I	0	0	0	0	0	0	0	0	0	9	
416	171	8	7	1.8-2.05	Fill 2	1	Mammalia	3	RIB	MSH	FR		20.8	11.4	I		I	0	0	0	0	0	0	0	0	0	9	
417	171	8	7	1.8-2.05	Fill 2	1	Mammalia	3	RIB	MSH	FR		24.9	9.8	I		I	1	1	0	0	0	0	0	0	0	9	
418	171	8	7	1.8-2.05	Fill 2	1	Mammalia	3	RIB	MSH	FR		13.1	8.7	I		I	0	0	0	0	0	0	0	0	0	9	
419	171	8	7	1.8-2.05	Fill 2	1	Artiodactyla	2	LBN	DSH	FR	0.5	69.5	17.4	I		I	3	1	0	0	0	0	0	0	0	1	
420	171	8	7	1.8-2.05	Fill 2	1	Mammalia	2	LBN	MSH	FR	0.3	33.9	11.0	I		I	0	0	0	0	0	0	0	0	0	1	
421	171	8	7	1.8-2.05	Fill 2	1	Mammalia	2	LBN	MSH	FR	0.2	30.8	16.8	I		I	0	0	0	0	0	0	0	0	0	1	
422	171	8	7	1.8-2.05	Fill 2	1	Mammalia	2	LBN	MSH	FR	0.1	33.2	11.8	I		I	0	0	0	0	0	0	0	0	0	1	
423	171	8	7	1.8-2.05	Fill 2	1	Mammalia	2	LBN	MSH	FR	0.1	21.8	8.9	I		I	0	0	0	0	0	0	0	0	0	1	
424	171	8	7	1.8-2.05	Fill 2	1	Mammalia	2	LBN	MSH	FR	0.2	23.2	13.1	I		I	0	0	0	0	0	0	0	0	0	5	
425	171	8	7	1.8-2.05	Fill 2	1	Mammalia	2	LBN	MSH	FR	0.1	19.1	6.9	I		I	0	0	0	0	0	0	0	0	0	1	
426	171	8	7	1.8-2.05	Fill 2	1	Mammalia	2	LBN	MSH	FR	0.1	28.0	6.8	I		I	0	0	0	0	0	0	0	0	0	1	
427	171	8	7	1.8-2.05	Fill 2	1	Mammalia	2	LBN	MSH	FR	0.1	21.8	5.8	I		I	0	0	0	0	0	0	0	0	0	1	
428	171	8	7	1.8-2.05	Fill 2	1	Mammalia	2	LBN	MSH	FR	0.1	16.8	6.0	I		I	0	0	0	0	0	0	0	0	0	1	
429	171	8	7	1.8-2.05	Fill 2	1	Mammalia	2	LBN	MSH	FR	0.1	13.1	10.9	I		I	0	0	0	0	0	0	0	0	0	1	
430	171	8	7	1.8-2.05	Fill 2	1	Mammalia	3	TIB	MSH	FR	0.3	30.1	24.2	I		I	0	0	0	0	0	0	0	0	0	1	
431	171	8	7	1.8-2.05	Fill 2	1	Mammalia	3	LBN	MSH	FR	0.2	44.1	20.8	I		I	3	1	0	0	0	0	0	0	0	1	
432	171	8	7	1.8-2.05	Fill 2	1	Mammalia	3	LBN	MSH	FR	0.2	31.1	19.8	I		I	3	1	0	0	0	0	0	0	0	1	
433	171	8	7	1.8-2.05	Fill 2	1	Mammalia	3	LBN	MSH	FR	0.1	23.3	13.6	I		I	0	0	0	0	1	0	0	0	0	1	1 cut mark

434	171	8	7	1.8-2.05	Fill 2	1	Mammalia	3	LBN	MSH	FR	0.1	30.9	11.2		I	I	0	0	0	0	0	0	0	0	0	1	
435	171	8	7	1.8-2.05	Fill 2	1	Mammalia	3	LBN	MSH	FR	0.1	12.0	6.9		I	I	0	0	0	0	0	0	0	0	0	1	
436	171	8	7	1.8-2.05	Fill 2	1	Mammalia	3	LBN	MSH	FR	0.1	16.1	11.3		I	I	0	0	0	0	0	0	0	0	0	1	
437	171	8	7	1.8-2.05	Fill 2	1	Mammalia	3	LBN	MSH	FR	0.1	18.6	12.9		I	I	0	0	0	0	0	0	0	0	0	1	
438	171	8	7	1.8-2.05	Fill 2	1	Mammalia	3	LBN	MSH	FR	0.1	21.2	15.2		I	I	0	0	0	0	0	0	0	0	0	1	
439	171	8	7	1.8-2.05	Fill 2	1	Mammalia	3	LBN	MSH	FR	0.1	24.0	8.8		I	I	3	1	0	0	0	0	0	0	0	1	
440	171	8	7	1.8-2.05	Fill 2	1	Mammalia	2	NID	NID	FR		15.9	8.2		I	I	0	0	0	0	0	0	0	0	0	9	
441	171	8	7	1.8-2.05	Fill 2	1	Mammalia	2	NID	NID	FR		12.6	6.6		I	I	0	0	0	0	0	0	0	0	0	9	
442	171	8	7	1.8-2.05	Fill 2	1	Mammalia	2	NID	NID	FR		15.2	13.3		I	I	0	0	0	0	0	0	0	0	0	9	
443	171	8	7	1.8-2.05	Fill 2	1	Mammalia	2	NID	NID	FR		16.5	7.3		I	I	0	0	0	0	0	0	0	0	0	9	
444	171	8	7	1.8-2.05	Fill 2	1	Mammalia	2	NID	NID	FR		18.3	7.9		I	I	0	0	0	0	0	0	0	0	0	9	
445	171	8	7	1.8-2.05	Fill 2	1	Mammalia	2	NID	NID	FR		17.4	10.2		I	I	0	0	0	0	0	0	0	0	0	9	
446	171	8	7	1.8-2.05	Fill 2	1	Mammalia	2	NID	NID	FR		16.8	5.0		I	I	0	0	0	0	0	0	0	0	0	9	
447	171	8	7	1.8-2.05	Fill 2	1	Mammalia	2	NID	NID	FR		17.8	10.2		I	I	0	0	0	0	0	0	0	0	0	9	
448	171	8	7	1.8-2.05	Fill 2	1	Mammalia	2	NID	NID	FR		15.1	8.9		I	I	0	0	0	0	0	0	0	0	0	9	
449	171	8	7	1.8-2.05	Fill 2	1	Mammalia	2	NID	NID	FR		10.2	7.1		I	I	0	0	0	0	0	0	0	0	0	9	
450	171	8	7	1.8-2.05	Fill 2	1	Mammalia	2	NID	NID	FR		11.3	7.9		I	I	0	0	0	0	0	0	0	0	0	9	
451	171	8	7	1.8-2.05	Fill 2	1	Mammalia	2	NID	NID	FR		11.8	7.4		I	I	0	0	0	0	0	0	0	0	0	9	
452	172	8	9	2.0-2.8	Fill 3	2	Mercenaria mercenaria		SHELL		FR					I	I	0	0	0	0	0	0	0	0	0	9	
453	172	8	9	2.0-2.8	Fill 3	3	Crassostrea virginica		SHELL		FR					I	I	0	0	0	0	0	0	0	0	0	9	
454	172	8	9	2.0-2.8	Fill 3	1	Crassostrea virginica		SHELL		HINGE					I	I	0	0	0	0	0	0	0	0	0	9	
455	172	8	9	2.0-2.8	Fill 3	1	Bos taurus	3	NVC		FR					I	R	0	0	0	0	0	0	0	0	0	9	severely broken during excavation, 6 FR, not able to mended and measured
456	172	8	9	2.0-2.8	Fill 3	1	Mammalia	3	INN		FR					I	I	0	0	0	1	0	0	0	0	0	9	chopped, severely broken during excavation, 10 FR, not able to mended and measured
457	172	8	9	2.0-2.8	Fill 3	1	Mammalia	2	NID	NID	FR		24.5	10.0		I	I	0	0	0	0	0	0	0	0	0	9	
458	172	8	9	2.0-2.8	Fill 3	1	Mammalia	2	LBN	MSH	FR	0.2	30.0	9.4		I	I	0	0	0	0	0	0	0	0	0	1	
459	189	9	6	1.85-2.65	Fill 5	1	Mercenaria mercenaria		SHELL		FR					I	I	0	0	0	0	0	0	0	0	0	9	
460	189	9	6	1.85-2.65	Fill 5	4	Crassostrea virginica		SHELL		FR					I	I	0	0	0	0	0	0	0	0	0	9	
461	189	9	6	1.85-2.65	Fill 5	1	Crassostrea virginica		SHELL		HINGE					I	I	0	0	0	0	0	0	0	0	0	9	ridges shell, no bores
462	189	9	6	1.85-2.65	Fill 5	1	Crassostrea virginica		SHELL		CO		88.7	63.0	HLR: 1.4	I	I	0	0	0	0	0	0	0	0	0	9	no ridges, no bores
463	189	9	6	1.85-2.65	Fill 5	1	Crustacea		CLAW		FR		24.5	7.4		I	I	0	0	0	0	0	0	0	0	0	9	
464	189	9	6	1.85-2.65	Fill 5	1	Gallus gallus	md	FEM	DS	CS	1.0	75.3	13.9		I	I	0	0	0	0	1	0	0	0	0	9	2 cuts at DS
465	189	9	6	1.85-2.65	Fill 5	1	Mammalia	3	HUM	MSH	FR	0.4	136.2	40.4		I	I	0	0	0	0	1	0	0	0	0	1	2 cuts, 2 FR excavator broken
466	189	9	6	1.85-2.65	Fill 5	1	Artiodactyla	2	HMAN	HRAM	FR		48.6	20.2		I	I	0	0	0	0	0	0	0	0	0	9	
467	189	9	6	1.85-2.65	Fill 5	1	Artiodactyla	2	OCC	CON	FR		21.2	20.0		I	I	0	0	0	0	0	0	0	0	0	9	
468	189	9	6	1.85-2.65	Fill 5	1	Artiodactyla	2	OCC	CON	FR		26.2	20.7		I	I	0	0	0	0	0	0	0	0	0	9	
469	189	9	6	1.85-2.65	Fill 5	1	Mammalia	2	LBN	MSH	FR	0.1	19.3	10.1		I	I	0	0	0	0	0	0	0	0	0	7	
470	189	9	6	1.85-2.65	Fill 5	1	Mammalia	2	RIB	PSH	FR		29.8	11.8		I	I	0	0	0	0	0	0	0	0	0	9	
471	189	9	6	1.85-2.65	Fill 5	1	Mammalia	2	RIB	PSH	FR		33.4	9.4		I	I	0	0	0	0	0	0	0	0	0	9	
472	189	9	6	1.85-2.65	Fill 5	1	Mammalia	2	RIB	PSH	FR		25.2	8.8		I	I	0	0	0	0	0	0	0	0	0	9	
473	189	9	6	1.85-2.65	Fill 5	1	Mammalia	2	RIB	PSH	FR		28.2	9.2		I	I	0	0	0	0	0	0	0	0	0	9	
474	189	9	6	1.85-2.65	Fill 5	1	Mammalia	2	RIB	PSH	FR		19.2	7.8		I	I	0	0	0	0	0	0	0	0	0	9	
475	189	9	6	1.85-2.65	Fill 5	1	Mammalia	2	RIB	PSH	FR		31.3	15.1		I	I	0	0	0	0	0	0	0	0	0	9	
476	189	9	6	1.85-2.65	Fill 5	1	Mammalia	2	NID	NID	FR		29.8	6.5		I	I	0	0	0	0	0	0	0	0	0	9	
477	189	9	6	1.85-2.65	Fill 5	1	Gallus gallus	2	TIBT	PSH	CS	1.0	42.3	10.0		I	I	0	0	0	0	0	0	0	0	1	9	
478	189	9	6	1.85-2.65	Fill 5	1	Unidentified	ind	NID	NID	FR		30.8	5.5		I	I	0	0	0	0	0	0	0	0	0	9	
479	189	9	6	1.85-2.65	Fill 5	1	Unidentified	ind	NID	NID	FR		16.9	12.3		I	I	0	0	0	0	0	0	0	0	0	9	
480	189	9	6	1.85-2.65	Fill 5	1	Unidentified	ind	NID	NID	FR		11.1	5.0		I	I	0	0	0	0	0	0	0	0	0	9	

481	189	9	6	1.85-2.65	Fill 5	1	Mammalia	1a	RAD	DS	CS	1.0	20.3	4.9		A		I	0	0	0	0	0	0	0	0	0	9	
482	190	9	7	2.65-3.3	Fill 6	5	Crassostrea virginica		SHELL		FR					I		I	0	0	0	0	0	0	0	0	0	9	
483	190	9	7	2.65-3.3	Fill 6	1	Crassostrea virginica		SHELL		CO		74.8	52.8	HLR: 1.4	I		I	0	0	0	0	0	0	0	0	0	9	no bores, smooth shell
484	190	9	7	2.65-3.3	Fill 6	1	Crassostrea virginica		SHELL		CO		65.9	49.4	HLR: 1.3	I		I	0	0	0	0	0	0	0	0	0	9	no bores, smooth shell
485	190	9	7	2.65-3.3	Fill 6	1	Crassostrea virginica		SHELL		CO		89.8	60.2	HLR: 1.5	I		I	0	0	0	0	0	0	0	0	0	9	no bores, ridged shell
486	190	9	7	2.65-3.3	Fill 6	1	Crassostrea virginica		SHELL		CO		65.1	41.2	HLR: 1.6	I		I	0	0	0	0	0	0	0	0	0	9	some large bores, lumpy shell
487	190	9	7	2.65-3.3	Fill 6	1	Crassostrea virginica		SHELL		CO		83.1	35.7	HLR: 2.3	I		I	0	0	0	0	0	0	0	0	0	9	some large bores, lumpy shell
488	190	9	7	2.65-3.3	Fill 6	1	Crassostrea virginica		SHELL		CO		77.8	31.8	HLR: 2.4	I		I	0	0	0	0	0	0	0	0	0	9	some large bores, lumpy shell
489	190	9	7	2.65-3.3	Fill 6	1	Mercenaria mercenaria		SHELL		FR					I		I	0	0	0	0	0	0	0	0	0	9	
490	190	9	7	2.65-3.3	Fill 6	1	Ovis aries	2	HMAN	HRAM	M1					I	>3 months	R	0	0	0	0	0	0	0	0	0	9	moderate wear
491	190	9	7	2.65-3.3	Fill 6	1	Ovis aries	2	MAX		M1					I	>5 months	L	0	0	0	0	0	0	0	0	0	9	moderate wear
492	190	9	7	2.65-3.3	Fill 6	1	Sus scrofa	2	HMAN	HRAM	I3					I	>8-12 months	R	0	0	0	0	0	0	0	0	0	9	minor wear
493	190	9	7	2.65-3.3	Fill 6	1	Bos taurus	3	MAX		TOOTH					I		I	0	0	0	0	0	0	0	0	0	9	minor wear
494	190	9	7	2.65-3.3	Fill 6	2	Sus scrofa	2	HMAN	HRAM	C					I	>8-12 months	I	0	0	0	0	0	0	0	0	0	9	
495	190	9	7	2.65-3.3	Fill 6	1	Sus scrofa	2	HMAN	HRAM	M2					I	>7-13 months	I	0	0	0	0	0	0	0	0	0	9	FR in wear
496	190	9	7	2.65-3.3	Fill 6	1	Sus scrofa	2	HUM	DSH	CS	1.0	80.9	32.8		I		L	3	1	0	1	1	0	0	0	0	1	chopped MSH, 2 cut marks
497	190	9	7	2.65-3.3	Fill 6	1	Sus scrofa	2	SCA	BLADE	FR		63.2	33.9		I		L	0	0	0	1	0	0	0	0	0	9	chopped at inferior margin
498	190	9	7	2.65-3.3	Fill 6	1	Artiodactyla	2	SCA	BLADE	FR		44.1	28.1		I		I	0	0	0	0	0	0	0	0	0	9	
499	190	9	7	2.65-3.3	Fill 6	1	Artiodactyla	2	SCA	BLADE	FR		44.4	33.0		I		I	0	0	0	0	0	0	0	0	0	9	
500	190	9	7	2.65-3.3	Fill 6	1	Sus scrofa	2	TIB	DS	FR		37.9	24.9		S		I	0	0	0	0	0	0	0	0	0	9	
501	190	9	7	2.65-3.3	Fill 6	1	Sus scrofa	2	TIB	DS	FR		24.7	22.3		S		I	0	0	0	0	0	0	0	0	0	9	
502	190	9	7	2.65-3.3	Fill 6	1	Bos taurus	3	HCR		FR		40.2	26.9		I		I	0	0	0	0	0	0	0	0	0	9	
503	190	9	7	2.65-3.3	Fill 6	1	Bos taurus	3	HCR		FR		36.2	10.1		I		I	0	0	0	0	0	0	0	0	0	9	
504	190	9	7	2.65-3.3	Fill 6	1	Bos taurus	3	HCR		FR		19.9	13.0		I		I	0	0	0	0	0	0	0	0	0	9	
505	190	9	7	2.65-3.3	Fill 6	1	Bos taurus	3	HCR		FR		29.1	13.6		I		I	0	0	0	0	0	0	0	0	0	9	
506	190	9	7	2.65-3.3	Fill 6	1	Bos taurus	3	HCR		FR		22.4	13.8		I		I	0	0	0	0	0	0	0	0	0	9	
507	190	9	7	2.65-3.3	Fill 6	1	Bos taurus	3	HCR		FR		29.9	19.9		I		I	0	0	0	0	0	0	0	0	0	9	
508	190	9	7	2.65-3.3	Fill 6	1	Bos taurus	3	HCR		FR		46.8	26.8		I		I	0	0	0	0	0	0	0	0	0	9	
509	190	9	7	2.65-3.3	Fill 6	1	Bos taurus	3	HCR		FR		56.6	10.7		I		I	0	0	0	0	0	0	0	0	0	9	
510	190	9	7	2.65-3.3	Fill 6	1	Bos taurus	3	HCR		FR		49.3	27.0		I		I	0	0	0	0	0	0	0	0	0	9	
511	190	9	7	2.65-3.3	Fill 6	1	Bos taurus	3	HCR		FR		9.8	8.9		I		I	0	0	0	0	0	0	0	0	0	9	
512	190	9	7	2.65-3.3	Fill 6	1	Bos taurus	3	HCR		FR		30.1	21.0		I		I	0	0	0	0	0	0	0	0	0	9	
513	190	9	7	2.65-3.3	Fill 6	1	Bos taurus	3	HCR		FR		14.8	14.2		I		I	0	0	0	0	0	0	0	0	0	9	
514	190	9	7	2.65-3.3	Fill 6	1	Mammalia	3	LBN	MSH	FR	0.1	42.1	17.3		I		I	0	0	0	0	0	0	0	0	0	7	
515	190	9	7	2.65-3.3	Fill 6	1	Mammalia	2	LBN	NEF	FR	0.2	22.2	11.1		I		I	0	0	0	0	0	0	0	0	0	1	
516	190	9	7	2.65-3.3	Fill 6	1	Bos taurus	3	FRO		FR		83.2	39.8		I		I	0	0	0	0	0	0	0	0	0	9	
517	190	9	7	2.65-3.3	Fill 6	1	Bos taurus	3	HCR		FR		41.2	21.3		I		I	0	0	0	0	0	0	0	0	0	9	
518	190	9	7	2.65-3.3	Fill 6	1	Mammalia	3	CRA		FR		22.3	18.2		I		I	0	0	0	0	0	0	0	0	0	9	
519	190	9	7	2.65-3.3	Fill 6	1	Bos taurus	3	MAX		ALV		31.2	28.2		I		I	0	0	0	0	0	0	0	0	0	9	
520	190	9	7	2.65-3.3	Fill 6	1	Bos taurus	3	MAX		ALV		26.6	16.9		I		I	0	0	0	0	0	0	0	0	0	9	

521	190	9	7	2.65-3.3	Fill 6	1	Mammalia	3	CRA		FR		22.9	17.3		I		I	0	0	0	0	0	0	0	0	0	9	
522	190	9	7	2.65-3.3	Fill 6	1	Mammalia	3	CRA		FR		26.9	14.0		I		I	0	0	0	0	0	0	0	0	0	9	
523	190	9	7	2.65-3.3	Fill 6	1	Mammalia	3	CRA		FR		19.2	13.6		I		I	0	0	0	0	0	0	0	0	0	9	
524	190	9	7	2.65-3.3	Fill 6	1	Mammalia	2	NID	NID	FR		22.7	12.6		I		I	0	0	0	0	0	0	0	0	0	9	
525	190	9	7	2.65-3.3	Fill 6	1	Mammalia	2	NID	NID	FR		16.2	7.8		I		I	0	0	0	0	0	0	0	0	0	9	
526	190	9	7	2.65-3.3	Fill 6	1	Mammalia	2	NID	NID	FR		14.8	10.6		I		I	0	0	0	0	0	0	0	0	0	9	
527	190	9	7	2.65-3.3	Fill 6	1	Mammalia	2	NID	NID	FR		18.6	7.0		I		I	0	0	0	0	0	0	0	0	0	9	
528	190	9	7	2.65-3.3	Fill 6	1	Mammalia	2	NID	NID	FR		18.2	7.4		I		I	0	0	0	0	0	0	0	0	0	9	
529	190	9	7	2.65-3.3	Fill 6	1	Aves	md	RIB	PSH	FR		20.2	8.0		I		I	0	0	0	0	0	0	0	0	0	9	
530	191	9	8	3.3-4.7	Fill 6	3	Mercenaria mercenaria		SHELL		FR					I		I	0	0	0	0	0	0	0	0	0	9	
531	191	9	8	3.3-4.7	Fill 6	1	Mercenaria mercenaria		SHELL		CO					I		I	0	0	0	0	0	0	0	0	0	9	
532	191	9	8	3.3-4.7	Fill 6	1	Bos taurus	3	MAX		M3					I	>24-30 months	R	0	0	0	0	0	0	0	0	0	9	moderate wear
533	191	9	8	3.3-4.7	Fill 6	1	Bos taurus	3	HMAN	HRAM	I					I	abt 5-10 years	I	0	0	0	0	0	0	0	0	0	9	heavy wear
534	191	9	8	3.3-4.7	Fill 6	4	Crassostrea virginica		SHELL		FR					I		I	0	0	0	0	0	0	0	0	0	9	3 with large bores
535	191	9	8	3.3-4.7	Fill 6	1	Crassostrea virginica		SHELL		CO		68.6	35.4	LHR: 1.9	I		I	0	0	0	0	0	0	0	0	0	9	no bores
536	191	9	8	3.3-4.7	Fill 6	1	Crassostrea virginica		SHELL		CO		103.3	57.8	LHR: 1.8	I		I	0	0	0	0	0	0	0	0	0	9	no bores
537	191	9	8	3.3-4.7	Fill 6	1	Bos taurus	3	HUM	DS	CS	1.0	192.0	72.2		A		L	0	0	0	0	1	1	0	0	0	1	1 cut mark, scraped PSH
538	191	9	8	3.3-4.7	Fill 6	1	Ovis aries	2	MTC	PX	ANT	0.3	41.9	16.9		A		I	3	1	0	0	0	0	0	0	0	1	
539	191	9	8	3.3-4.7	Fill 6	1	Bos taurus	3	CER2	ODON	FR		58.8	42.0		I		ax	0	0	0	1	0	0	0	0	0	9	chopped sagittally
540	191	9	8	3.3-4.7	Fill 6	1	Bos taurus	3	PHA2		CO		36.2	29.1	Gl: 36.2, Bp: 29.1 mm	A		I	0	0	0	0	0	0	0	0	0	9	
541	191	9	8	3.3-4.7	Fill 6	1	Mammalia	3	NID	NID	FR		44.8	25.2		I		I	0	0	0	0	0	0	1	0	0	9	sawn
542	191	9	8	3.3-4.7	Fill 6	1	Artiodactyla	2	FEM	MSH	ANT	0.3	41.2	19.6		I		I	0	0	0	0	0	0	0	0	1	1	
543	191	9	8	3.3-4.7	Fill 6	1	Mammalia	3	CRA		FR		72.7	23.8		I		I	0	0	0	0	0	0	0	0	0	9	
544	191	9	8	3.3-4.7	Fill 6	1	Mammalia	2	LBN	MSH	FR	0.1	18.0	6.7		I		I	0	0	0	0	0	0	0	0	0	9	
545	191	9	8	3.3-4.7	Fill 6	1	Mammalia	2	LBN	MSH	FR	0.2	26.3	9.0		I		I	0	0	0	0	0	0	0	0	0	9	
546	191	9	8	3.3-4.7	Fill 6	1	Mammalia	2	NID	NID	FR		17.6	9.8		I		I	0	0	0	0	0	0	0	0	0	9	
547	191	9	8	3.3-4.7	Fill 6	1	Mammalia	2	NID	NID	FR		18.8	13.6		I		I	0	0	0	0	0	0	0	0	0	9	
548	191	9	8	3.3-4.7	Fill 6	1	Mammalia	2	NID	NID	FR		13.0	9.8		I		I	0	0	0	0	0	0	0	0	0	9	
549	191	9	8	3.3-4.7	Fill 6	1	Mammalia	2	NID	NID	FR		11.8	11.0		I		I	0	0	0	0	0	0	0	0	0	9	
550	191	9	8	3.3-4.7	Fill 6	1	Mammalia	2	NID	NID	FR		11.3	5.9		I		I	0	0	0	0	0	0	0	0	0	9	
551	191	9	8	3.3-4.7	Fill 6	1	Mammalia	2	NID	NID	FR		16.8	3.4		I		I	0	0	0	0	0	0	0	0	0	9	
552	191	9	8	3.3-4.7	Fill 6	1	Aves	md	RIB	PSH	FR		25.1	13.9		I		I	0	0	0	0	0	0	0	0	0	9	2 FR
553	191	9	8	3.3-4.7	Fill 6	1	Aves	md	LBN	MSH	FR	0.4	24.3	6.9		I		I	0	0	0	0	0	0	0	0	0	9	
554	191	9	8	3.3-4.7	Fill 6	1	Aves	md	LBN	MSH	FR	0.3	13.5	5.0		I		I	0	0	0	0	0	0	0	0	0	9	
555	191	9	8	3.3-4.7	Fill 6	1	Unidentified	ind	NID	NID	FR		18.1	6.0		I		I	0	0	0	0	0	0	0	0	0	9	
556	191	9	8	3.3-4.7	Fill 6	1	Unidentified	ind	NID	NID	FR		28.1	5.3		I		I	0	0	0	0	0	0	0	0	0	9	
557	191	9	8	3.3-4.7	Fill 6	1	Unidentified	ind	NID	NID	FR		15.1	2.3		I		I	0	0	0	0	0	0	0	0	0	9	