

**ARCHAEOLOGICAL  
EXCAVATION ON LAND OPPOSITE  
THE OLD VICARAGE  
CHURCH ROAD,  
OLD LEAKE,  
LINCOLNSHIRE  
(OLV05)**

Work Undertaken For  
Broadgate Homes Ltd

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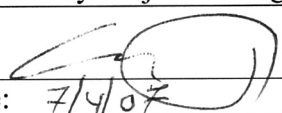
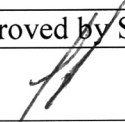
**ARCHAEOLOGICAL PROJECT SERVICES**



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Archaeological Excavation on land opposite the Old Vicarage,  
Church Road,  
Old Leake, Lincolnshire

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## 1. SUMMARY

*An archaeological excavation, in advance of housing development, was undertaken on land opposite the Old Vicarage, Church Road, Old Leake, Lincolnshire. The site was located within the historic core of the village, north of the church. An archaeological evaluation of the land undertaken in 1996 established the presence of Late Saxon and Saxo-Norman features including ditches, gullies and pits along with later Medieval and Post-Medieval remains.*

*Although a single sherd of residual Roman pottery was found there is no direct evidence of occupation before the Late Saxon period (late 9<sup>th</sup> to late 10<sup>th</sup> century). A rectangular timber-beam structure of late 9<sup>th</sup> to 10<sup>th</sup> century is of regional importance as it is one of only a small number of buildings of this date excavated in Lincolnshire. Field and enclosure systems, on a distinctive north-northeast to south-southwest alignment were established during this period. A second phase of Saxo-Norman occupation (10<sup>th</sup> to 12<sup>th</sup> century) was also identified.*

*Distinctive sub-rectangular pits, first excavated during the Saxo-Norman period continued to be dug into the post-medieval period and were most probably for extraction of clay, although the intended use of this material is unknown and may have changed through time.*

*The majority of the features on the site dated to the medieval (13<sup>th</sup> to 15<sup>th</sup> century) and late medieval (mid 15<sup>th</sup> to 16<sup>th</sup> century) periods. Medieval remains were more widespread than those of the earlier phases indicating extensive domestic occupation either on or within close proximity to the site. A timber beam slot and post structure of 13<sup>th</sup> to 15<sup>th</sup> century date indicates the presence of at least one building on the site. However, the presence of alluvial silts indicates flood events which possibly continued into the 16<sup>th</sup> century.*

*Late medieval occupation of mid 15<sup>th</sup> to 16<sup>th</sup> century date was largely restricted to the western half of the site, suggesting that a landscape division had occurred. Refuse pits and rubbish-filled extraction pits predominated, suggesting that the site was used primarily for waste disposal, although at least one beam slot structure stood on the site at this time.*

*Post-medieval remains were limited, while dating evidence suggests that occupation had ceased by the mid to late 18<sup>th</sup> century. Recent disturbance was restricted to three cut features and deposits of overburden and ploughsoil, sealing archaeological remains across the site.*

## 2. INTRODUCTION

### 2.1 Definition of an Excavation

*An archaeological excavation is defined as 'A programme of controlled intrusive fieldwork with defined research objectives which examines, records and interprets archaeological deposits, features and structures and, as appropriate, retrieves artefacts, ecofacts and other remains within a specified area or site. The records made and objects gathered during fieldwork are studied and the results of that study published in detail appropriate to the project design (IFA 1999).*

### 2.2 Planning Background

*The site was the subject of an earlier planning application (B16/0005/96) that was granted after an archaeological evaluation, but which subsequently lapsed. The present investigations were undertaken as a condition of a later application for residential development (B/04/0504/OUTL) which, in line with the previous application, required that any archaeological remains present be preserved, either *in situ* or by record. The Boston Planning Archaeologist determined that, due to the construction proposals,*



preservation *in situ* was not feasible and that an area of approximately 40m x 80m along the southwestern, road frontage, area of the site be excavated prior to any groundworks. The depth of ploughsoil and overburden overlying the remains proved deeper than indicated by the evaluation and the planning archaeologist therefore reduced the excavation area to 66 x 44m.

Archaeological Project Services (APS) was commissioned by Broadgate Homes Ltd to undertake the archaeological excavation of the site in accordance with the requirements of the Boston Planning Archaeologist. The work was undertaken between the 10<sup>th</sup> August 2005 and the 10<sup>th</sup> of November 2005 in line with a specification prepared by APS (Appendix 1) and approved by the Boston Planning Archaeologist.

### **2.3 Topography and Geology**

Old Leake is situated in the Fens of South Lincolnshire, 8km northeast of Boston in the Boston Borough of Lincolnshire (Fig 1).

The site lies 100m to the north of the parish church, opposite the Old Vicarage on the northeast side Church Road and is located at National Grid Reference TF 4075 5038 (Fig. 2). The site lies at *c.* 4m OD on fairly level ground.

Local soils are pelo-alluvial gleys of the Wallasea/Wisbech Series developed in marine alluvium (Robson 1985). Beneath this is glacial drift that in turn overlies Jurassic clays (BGS 1995).

### **2.4 Archaeological Setting**

Old Leake lies within an area of known archaeological remains dating from the Romano-British period to the present day. A spread of Romano-British pottery and briquetage has been identified *c.* 1km to the southeast (Lane 1993, Gazetteer). Additionally isolated fragments of redeposited Roman pottery have

previously been found on the site and close by on the opposite side of the road (Palmer-Brown 1996b; Taylor 2004).

Leake is first mentioned in the Domesday Book of 1086. Referred to as *Leche*, the name is derived from the Old English *lece* meaning 'brook' and influenced or replaced by the Old Norse *loekr* of similar meaning (Cameron 1998, 79).

Several salterns dating from the Late Saxon period to the 13<sup>th</sup> century have been identified in the area along a former creek that once marked the parish boundary between Old Leake and Wrangle (*op. cit.*, 77). Domesday records the presence of 41 salt houses within the parish in 1086 (Foster and Longley 1976). The parish church of St. Mary contains Norman elements with 13<sup>th</sup>-15<sup>th</sup> century additions (Pevsner and Harris 1989, 593-4).

The site itself lies at the historic centre of the village, 100m north of the parish church. An area of dyings, medieval agricultural earthworks with drainage ditches, lies to the east and north of the proposed development site.

Previous archaeological investigations at the site associated with the 1996 evaluation included fieldwalking, geophysical survey and trial trenching.

The fieldwalking recovered a thin spread of Late Saxon and Saxo-Norman pottery from the western half of the site. Medieval pottery was slightly more abundant but still thin, and fairly evenly distributed across the area, with no obvious clustering. By contrast, post-medieval material was abundant, and was concentrated in proximity to the Church Road frontage.

Geophysical survey of the area identified a group of discrete magnetic anomalies as possible pits. These occurred across the centre of the area and appeared to form a linear group extending broadly east-west. Additionally, linear features identified as probably ditches were revealed. These

appear to be part of a rectilinear field system and are mostly aligned approximately north-south or east-west. This system seems to be truncated by Church Road, which is aligned northwest-southeast (Palmer-Brown 1996a).

Seven trial trenches, positioned to provide sample coverage of the area, were excavated. Five of the seven trenches contained abundant archaeological remains, resulting in a requirement for a mitigation excavation of this portion of the site, as a condition of planning. The evaluation revealed:

i. A single fragment of re-deposited Romano-British pottery indicating a presence within the vicinity of the site during this period.

ii. Ditches, gullies, pits and other features of Late Saxon, Saxo-Norman, Medieval and Post-Medieval date. These remains were generally revealed about 0.4m below the then ground surface, beneath ploughsoil and generally extended to a maximum depth of at least 1.6m below ground level.

iii. Structural remains were limited to two postholes, one of them alongside a gully and probably forming a ditch and fence boundary.

iv. Spatial distribution was evident, with the Late Saxon features being revealed in the western and central areas of the site (Trenches 1, 3 and 4). Although the majority of Late Saxon and Saxo-Norman pottery found came from Trench 1. The distribution of Medieval remains was similar, features of this date being identified only in Trenches 1 and 4. Medieval artefacts were more evenly distributed although only a limited quantity of pottery was recovered from Trench 5, and none from Trench 6. Post-medieval remains were more dispersed, occurring in Trenches 2, 3, 4 and 7.

v. Although charred plant remains were

recovered from deposits across much of the site, waterlogged material was limited to the backfill of a modern pond found within Trench 6 (Palmer-Brown 1996b).

Evidence of Late Saxon and medieval occupation has been identified during other investigations at Old Leake, including at Giles School, 300m south of the current site (Tann 1995) and 160m to the northwest between the southern side of Church Road and School Lane, where extensive remains of these periods were investigated in 2003 and 2006 (Taylor 2004 and Bradley-Lovekin 2006). Overall, the evidence therefore suggests that Late Saxon and Medieval occupation extended for a considerable distance along Church Road.

### **3. AIMS**

The aim of the excavation was to preserve by record those archaeological remains located within the southwestern portion of the development, extending back from the Church Road frontage. The projects objectives were to establish the type of archaeological activity present within the investigation area; to excavate and interpret these remains and to determine their spatial arrangement, date and function so that the way in which the remains on the site relate to the pattern of land-use across the surrounding landscape can be established (Appendix 1).

### **4. METHODS**

#### **4.1 Excavation**

A single open area of 2904 square metres (66m x 44m) was opened across the southwestern portion of the development and investigated in two stages so as to enable the construction of the site access road.

Removal of overburden was undertaken by mechanical excavator using a toothless ditching bucket. The exposed surfaces

were then cleaned by hand and inspected for archaeological remains. Where present, features were excavated by hand in order to retrieve dateable artefacts and other remains.

Each deposit exposed during the evaluation was allocated a unique reference number (context number) with an individual written description. The context numbers ran from (001) to (863). A photographic record was compiled. Sections were drawn at a scale of 1:10 and plans at a scale of 1:20. Recording of deposits encountered was undertaken according to standard Archaeological Project Services practice.

The locations of the excavation area, the site grid and the principal archaeological features revealed were established in relation to fixed points on boundaries and existing buildings using an EDM.

#### **4.2 Post-excavation**

Following excavation, all records were checked and ordered to ensure that they constituted a complete Level II archive and a stratigraphic matrix of all identified deposits was produced. Artefacts recovered from excavated deposits were examined and a period date assigned where possible. A list of all contexts and interpretations appears as Appendix 2.

Contexts that were broadly contemporary, functionally and spatially related were placed in context groups to enable ease of interpretation, and assigned four-figure numbers (1001-1290) and it is these group numbers, which are referred to in this text (Appendix 3). Phasing was based on the nature of the deposits and recognisable relationships between them, supplemented by artefact dating.

## **5. RESULTS**

### **5.1 Description of the results**

Following post-excavation analysis, ten phases were identified:

- Phase 1: Natural deposits
- Phase 2: Undated deposits
- Phase 3: Late Saxon deposits (late 9<sup>th</sup> to late 10<sup>th</sup> centuries)
- Phase 4: Saxo-Norman deposits (10<sup>th</sup> to 12<sup>th</sup> centuries)
- Phase 5: Saxo-Norman or later deposits
- Phase 6: Medieval deposits (13<sup>th</sup> to 15<sup>th</sup> centuries)
- Phase 7: Late medieval deposits (mid 15<sup>th</sup> to 16<sup>th</sup> centuries)
- Phase 8: Medieval or later deposits
- Phase 9: Post-medieval deposits (17<sup>th</sup> to 19<sup>th</sup> centuries)
- Phase 10: Recent deposits

Archaeological contexts are reported according to context group below.

Unless otherwise stated all dating is based upon pottery evidence reported in Appendix 4.

### **5.2 Phase 1: Natural deposits**

The earliest deposits consisted of clays, silty clay and silt (1001, 1002 and 1003), which extended across the excavation area. Resulting from the natural infilling of the fenland basin, the dating of these alluvial deposits is unknown and the possibility that they seal earlier prehistoric or Romano-British remains, buried at considerable depth, and unaffected by the development, cannot be discounted. Limited disturbance most probably through root action was evident in the northeast corner of the site (1104).

A series of clay, clayey silt, silty clay, and sand deposits (1158) extended across the southern side of the trench, sealing (1001). To the south natural (1001) was sealed by a 0.31m thick deposit of alluvial silt (1256). It is possible that these deposits

represent a more recent alluvial inundation than that which created the Phase 1 deposits. Deposit (1256) is probably a component of the same flood horizon as (1262) (Phase 6).

### 5.3 Phase 2: Undated deposits

*Twenty-nine of the context groups identified are undated (Figs. 3 and 4) (Appendixes 2 and 3).*

#### *Undated features*

Four undated features, a shallow scoop [1159], a hearth (1235), a small vertical-sided feature [1236] and a short concave-based gully [1179], cut through (1158). Undated deposits of subsoil (1100), extending along the western edge of excavation were cut by two irregular gullies on parallel northwest to southeast alignments (Group [1064]). A third undated gully [1214] cut natural (1001) immediately south of [1064].

Ten undated context groups were identified in the western corner of the excavation. Consisting of pits [1084], [1093] and [1245], two ditch cuts [1094] and [1243], two post-holes [1087], a further isolated post-hole [1291] and three other partially exposed cuts [1086], [1091] and [1092], these features are undated although [1086] [1087] and [1091] predate a Saxo-Norman (Phase 4) ditch [1089]. Isolated from the other features, pit [1245] may be associated with an adjacent Phase 4 post-hole [1237], which is dated to the late 9<sup>th</sup> to mid 10<sup>th</sup> century on the basis of a single sherd of pot.

Two pits [1050] and [1053] identified in the central portion of the excavation were heavily truncated by pits ([1037] and [1049]) which relate to Phases 7 to 8. Although [1050] and [1053] are undated, they may also date from this intensive period of late-medieval activity. To the southwest of pit [1050], a short length of a gully [1275] survived truncation by Saxo-Norman ditch [1055] (Phase 4) and late medieval pit [1057].

An isolated post-hole [1228] and a gully [1014] lay close to the northeast edge of the site. Although undated, [1014] shared the same north-northwest to south-southeast alignment as the Late Saxon and Saxo-Norman linears (Phases 3 and 4) and may relate to the same system of landscape division. An irregular feature [1227] immediately east of [1014] was probably of natural origin. Further to the southeast, a second undated group of north-northwest to south-southeast aligned gullies, [1010] (Fig. 7 Section 186, Plate 1), were cut by a Phase 4 ditch [1117], suggesting that they predate the late 12<sup>th</sup> century. A group of four post-holes, [1113], astride [1010] are undated although one cuts [1010] and must therefore post-date it. Two pits, [1111], located in the eastern corner of the excavation east of [1010] are also undated.

In the centre of the site undated activity was limited to a group of two post-holes, [1121] and a pit [1125] containing a dog burial. Two natural depressions (1123) were also recorded. Further feature groups representing post-holes, [1130], a gully [1132] and other cut features [1255], identified south of [1121] and [1125] are undated although one of the group [1255] features was cut by a Phase 4 feature [1134].

Although irregularly spaced, a cluster of seven post-holes [1119] in the eastern corner of the site may indicate the presence of a south-southwest to north-northeast aligned structure.

### 5.4 Phase 3: Late Saxon deposits (late 9<sup>th</sup> to late 10<sup>th</sup> centuries).

*Pottery evidence indicates that the site was first occupied during the late 9<sup>th</sup> to late 10<sup>th</sup> centuries and that this occupation continued throughout the remainder of the Saxon period. The Late Saxon occupation has been split into two phases: the initial late 9<sup>th</sup> to 10<sup>th</sup> century occupation (Phase 3), which pottery dating suggests comprised nine context groups, including ditches, a pit and at least one timber*

*structure, and a more general phase (Phase 4) where the material can only be dated to the 10<sup>th</sup>-12<sup>th</sup> century. This phasing is by necessity tentative as it is possible that some of 9<sup>th</sup> to 10<sup>th</sup> century material is residual, or alternatively that at least some Phase 4 contexts groups are of earlier date. This is particularly true of the Late Saxon field and enclosure boundaries, which may have been maintained throughout the period (Figs. 3 and 4) (Appendixes 2 and 3).*

*Linears [1008], [1201] and [1082]*

Three linears can be dated to the late 9<sup>th</sup> to late 10<sup>th</sup> century. Extending northeast to southwest across the eastern part of the site a flat-based linear ditch, [1201] (Fig. 18 Section 116), was cut by a second ditch, [1008] which was aligned north-northwest to south-southeast and was also flat-based (Fig. 7 Section 141, Fig. 22 Sections 171 and 177, Plate 3). The final ditch [1082], located in the southwest corner of the excavation, did not appear to follow the same alignment as the other Late Saxon linears, although it was truncated by later features and only partially exposed.

*Evidence of late 9<sup>th</sup> to late 10<sup>th</sup> century structures were found in two areas of the site.*

*Structure [1016]*

In the eastern corner, two well-preserved beam slots of a rectangular timber-framed building [1016] measuring at least 5.53m by 2.52m, were found. Two distinct spreads of silty clay (1017) within the interior of the structure most probably represent flooring or slumped walling material (Fig. 6 Section 204, Plate 2) (Rackham, Appendix 12). One of the beam trenches cut ditch [1008] (see above), indicating that its construction post-dated the infilling of the ditch.

*Post-holes [1122]*

The remaining structural evidence is less clear-cut. Five post-holes [1122] in the centre of the site are dated to the late 9<sup>th</sup> to late 10<sup>th</sup> century on the basis of pottery

sherds recovered from the fills of four of them. However, the distribution of these post-holes is too irregular for them to represent a single structure and it is possible that they are not contemporary.

*Feature [1210], deposit (1212) and pit [1281]*

Aligned northeast-southwest, a flat-based steep-sided cut [1210] survived truncation by later features. Most probably either a ditch or a sub-rectangular extraction pit, it yielded a single piece of pottery of the early/mid to late 10<sup>th</sup> century (Fig. 7 Section 157).

A sub-rectangular pit [1281] located in the central area of the site is assigned to Phase 3 on the basis of 4 sherds of late 9<sup>th</sup> to late 10<sup>th</sup> century pottery recovered from one of its fills (Appendix 4 context (494)) (Fig. 18 Section 122). However, it is possible that this material was residual as [1281] is similar to a neighbouring pit [1187], which relates to Phase 7.

**5.5 Phase 4: Saxo-Norman deposits (10<sup>th</sup> - 12<sup>th</sup> centuries).**

*Nineteen context groups have been assigned to Phase 4 on the basis of 10<sup>th</sup> to 12<sup>th</sup> century pottery recovered from their fills. However it is possible that some of these features were excavated during Phase 3 but were maintained and backfilled later. This is particularly true of the boundary ditches which are likely to have been maintained for a period of time. As Fig. 4 shows, the Phase 4 features are more widely dispersed than the Phase 3 activity which was focussed on the central and eastern areas of the site. With the single exception of an isolated post-hole, Phase 4 remains were limited to linear boundaries, gullies and pits, suggesting a possible absence of structures within the excavation area during this period (Figs. 3 and 4) (Appendixes 2 and 3).*

*Linears [1117], [1253], [1141] & [1145]*

Two ditches [1117] and [1253], extending across the site on northeast-southwest

alignments, immediately east of Building [1016], date to the late 9<sup>th</sup> to mid/late 11<sup>th</sup> and 11<sup>th</sup> to 12<sup>th</sup> centuries respectively (Fig. 22 Sections 176 and 177).

Southwest of Building [1016], two further ditches [1141] and [1145], on the same northeast-southwest alignment, are of mid 11<sup>th</sup> to mid 12<sup>th</sup> century date, though [1145] also contained a single brick, considered to be intrusive (Fig. 21 Section 173, Fig. 8 Section 120). The precise extents of [1141], [1145] and [1253] are unclear as these linears were either partially sealed or, in other cases, truncated by later deposits, although it is likely that [1145] represents the southern continuation of [1141]. Their relationship with Building [1016] (Phase 3) is unknown although they may have marked the boundaries of its curtilage. The boundary marked by ditch [1145] clearly remained in use for a considerable period of time as the ditch was re-cut twice during the medieval period (Phase 6).

#### *Linears [1296] and [1055]*

Concave-based and steep-sided, the terminal of a north-northwest to south-southeast linear [1296] lay immediately west of [1141]. Pottery of late 10<sup>th</sup> to early 11<sup>th</sup> century date was recovered from its fill (1297). A final northwest-southeast aligned linear [1055], lay west of [1141]. Dated by two sherds of early/mid 10<sup>th</sup> to late 11<sup>th</sup> century pottery recovered from its fills (1056), [1055] was cut by a medieval linear [1004] (Fig. 9 Section 138 and Fig. 20 Section 66/140).

#### *Linears [1089], [1080], [1078], [1070], [1059], [1073] and pit [1085]*

Five ditch cuts [1089], [1080], [1078], [1070] and [1059], as well as a pit [1085], were identified close to the western and northern limits of excavation (Fig. 4). Cutting [1086] (Phase 2) and aligned south-southwest to north-northeast, ditch [1089] dates to the 10<sup>th</sup> to 12<sup>th</sup> century (Fig. 14 Sections 47-8), while ditch [1080], cutting ditch [1082] (Phase 3), was aligned north-south, flat-based and dated

to the 10<sup>th</sup> to 12<sup>th</sup> century. Ditch [1080] was truncated by two features: a similar northwest-southeast aligned, flat-based linear [1078]; and a flat-based refuse pit [1085]. Both of these were in turn cut by a northwest-southeast flat-based linear [1070], dating to the late 9<sup>th</sup> to 12<sup>th</sup> century. Of late 10<sup>th</sup> to early 11<sup>th</sup> century date, ditch [1059] cut natural (1001) and was flat-based and aligned northeast – southwest (Fig. 21 Section 76).

A final north-northwest to south-southeast aligned linear [1073] cutting natural (1001) to the north of [1089] (Fig. 4, Fig. 24 Section 27), was only 0.14m deep, suggesting that the upper portion of the cut may have been truncated. Pottery evidence dates the infilling of [1073] to the late 9<sup>th</sup> to 12<sup>th</sup> century.

#### *Pits [1066], [1062], [1137] and [1279]*

Three elongated rectangular pits were most probably excavated for the extraction of clay. The first [1066], a vertical-sided flat-based cut, truncated the southern side of [1073], on a northwest to southeast alignment and dated to the late 9<sup>th</sup> to 12<sup>th</sup> century (Fig. 24 Section 27). North of [1066] and aligned parallel to it, pit [1062] was concave-based and dated to the late 10<sup>th</sup> to early 11<sup>th</sup> century (Fig. 13 Section 13). Located west of ditch [1117], pit [1137] was sub-rectangular and its lower fills dated to the late 9<sup>th</sup> to late 10<sup>th</sup> century, although the upper fill was later, dating to the mid 12<sup>th</sup> to early/mid 13<sup>th</sup> century. The final pit [1279], located in the centre of the site, was flat-based and of early-mid 10<sup>th</sup> to late 11<sup>th</sup> century date.

#### *Feature [1257] and pit [1134]*

The function of a further two features at the southern end of the site is less clear. Cutting alluvium (1256), aligned north-northeast to south-southwest and representing a linear terminal or a sub-rectangular pit, feature [1257] was concave-based and of 11<sup>th</sup> to 12<sup>th</sup> century date, though it also yielded a single piece of 13<sup>th</sup>-15<sup>th</sup> century ceramic, thought to be intrusive. Located east of [1257] and

aligned north-south, pit [1134] was concave-based, dated to the late 9<sup>th</sup> to 11<sup>th</sup> century, and truncated the Phase 2 feature [1255]

*Post-hole [1237]*

The final phase 4 feature, an isolated post-hole [1237], was located on the western side of the site. A single sherd of late 10<sup>th</sup> to mid 11<sup>th</sup> century pot was recovered from its fill (1238).

**5.6 Phase 5: Late Saxon or later deposits**

*Two undated features on the eastern side of the site cut Phase 3 or 4 features and must therefore be of Late Saxon or later date (Figs 3 and 4).*

Cutting [1008] and [1137], gully [1139] was concave-based and was aligned north-northeast to south-southwest (Fig. 23 Section 201). Unexcavated, the second Phase 5 feature, pit [1136], truncated (1254), the fill of Saxo-Norman ditch [1253].

**5.7 Phase 6: Medieval deposits (13<sup>th</sup> to 15<sup>th</sup> centuries) (Fig. 5)**

*Thirty-eight context groups date to the 13<sup>th</sup> to 15<sup>th</sup> centuries. Representing post-holes, beam slots, ditches, gullies, extraction and refuse pits, these remains were distributed across the excavation area and are indicative of extensive domestic occupation either on or within close proximity to the site during this period. A sequence of alluvial flood deposits in the southern corner of the site suggest that episodes of inundation also occurred (Figs 3 and 5).*

*Gully group [1195] and feature [1103]*

Two parallel northeast-southwest aligned gullies [1195], from which only a single sherd of late 11<sup>th</sup> to mid 13<sup>th</sup> century pottery was recovered, cut natural (1002) in the central corner of the site. At the northern end of the site [1103], a shallow feature from which a single sherd of late

13<sup>th</sup> to 15<sup>th</sup> century pottery was recovered, cut natural (1001).

*Linears [1004] and [1006]*

Two ditches [1004] and [1006], extended across the northwest side of the site on approximately parallel north-northwest to south-southeast alignments. Both of these were dated to the late 13<sup>th</sup> to 15<sup>th</sup> centuries (Fig. 9 Section 139, Fig. 11 Section 8, Fig. 25 Sections 63 and 67, Plate 4). These ditches respected the alignments of the Late Saxon linears to the southeast, and [1004] may represent re-cutting of earlier boundaries as late 9<sup>th</sup> to 12<sup>th</sup> century pottery was recovered from a number of its fills (1005) and the section excavated at the western end of the ditch produced exclusively Late Saxon material. Ditch [1004] truncated Saxo-Norman linear [1055] (Phase 4) and gully group [1195] (Phase 6), whilst [1006] truncated [1103] (Phase 6).

*Linears [1020], [1218]*

Re-cutting [1004] on the same alignment, ditch [1020] dated to the mid 13<sup>th</sup> to 15<sup>th</sup> century. At its northwest terminal ditch [1006] was re-cut by a further linear [1218], of mid 13<sup>th</sup> to 14<sup>th</sup> century date, the fills of which were sealed by a silting deposit (1220) containing a single sherd of re-deposited late 13<sup>th</sup> to 14<sup>th</sup> century pottery.

*Pit [1071] and linear [1239]*

Two features in the western corner of the site relate to Phase 6. The first, a sub-rectangular concave-based pit [1071], cut [1070] (Phase 4) and dated to the late 13<sup>th</sup> to early-mid 14<sup>th</sup> century (Fig. 14 Section 45, Plate 5). The second [1239], a concave-based northwest-southeast aligned gully, of 13<sup>th</sup> to 15<sup>th</sup> century date cut natural (1002).

*Pits [1096], [1213], [1295] and linear [1098]*

Three pits, [1096], [1213] and [1295] lay northeast of this group. The first, [1096], a sub-rectangular concave-based pit cut through a late 13<sup>th</sup> to 14<sup>th</sup> century subsoil

deposit (1101). Possibly for extracting clay [1096] contained re-deposited late 9<sup>th</sup> to 11<sup>th</sup> century material. A concave-based gully [1098], cutting [1096] on a north-south alignment, dates from the mid 13<sup>th</sup> to 15<sup>th</sup> century.

Two smaller sub-circular pits [1213] and [1295] cutting natural (1002) are most probably for refuse disposal and date to the late 13<sup>th</sup> to 15<sup>th</sup> century.

*Pits [1043], [1045] and feature [1231]*

Immediately southeast of [1213] and [1295] lay a large sub-rectangular pit [1043] measuring 7m x 1.4m and 0.81m deep (Fig. 13 Section 7). Cutting natural (1002), steep-sided and flat-based, [1043] is the earliest of a sequence of similar, substantial inter-cut pits which were most probably excavated for the extraction of clay (Phase 7, see 5.6.3). In-filled with a sequence of domestic waste, sealed by re-deposited clay overlain by further waste (1044), [1043] is of 14<sup>th</sup> to 15<sup>th</sup> century date, although a single fragment of intrusive clay-pipe of post-medieval date was also recovered (Appendix 9).

Although the later pits (Phase 7) are likely to have destroyed earlier remains, two further Phase 6 features, both cutting natural (1001) survived. The first a shallow flat-based scoop [1231], cut natural and was dated to the 13<sup>th</sup> to 15<sup>th</sup> century (Fig. 11 Sections 43-4). The second [1045], a concave-based pit of late 13<sup>th</sup> to 15<sup>th</sup> century date was truncated by pit [1037] (Phase 7) (Fig. 15 Section 55).

*Feature [1102]*

A small sub-circular flat-based feature [1102] cut natural (1001) in the northern corner of the site. Most probably a refuse pit, it has been dated to the late 13<sup>th</sup> to 14<sup>th</sup> centuries on the basis of a single fragment of pottery.

*Post-holes [1169] and pits [1252] and [1286]*

Two near-vertical concave-based post-holes [1169], cutting deposit (1158)

(Phase 2) southwest of ditch [1004], may date to Phase 6 as fragments of mid-late 13<sup>th</sup> to 14<sup>th</sup> century pottery and a brick were recovered from one of them. To the west of these post-holes was a small isolated irregular pit [1252], perhaps for refuse disposal though it only yielded three pottery fragments of mid-late 13<sup>th</sup> to 15<sup>th</sup> century date. To the south another sub-circular concave-based refuse pit [1286], of late 13<sup>th</sup> to 15<sup>th</sup> century date, truncated (1158).

*Linear [1012] and pit [1128]*

To the north of ditch [1004], a narrow flat-based gully [1012], cutting (1158) and extending across the site on a northwest to southeast alignment, can be dated to the late 13<sup>th</sup> to 15<sup>th</sup> centuries. A sub-rectangular near-vertical pit [1128], most probably for clay extraction, cutting natural (1003) immediately north of [1012] also dates to the late 13<sup>th</sup> to 15<sup>th</sup> centuries.

*Linears [1147], [1149], features [1151], [1143] and pit [1277]*

At the southern end of the site, Late Saxon ditch [1145] was re-cut twice, firstly by [1147] and then by [1149]. Ditch [1147] dated to the late 13<sup>th</sup> to 15<sup>th</sup> century, although [1149] contained only re-deposited 12<sup>th</sup> century material. A broad shallow cut [1151], truncating [1149] was of 14<sup>th</sup> to 16<sup>th</sup> century date, although re-deposited 11<sup>th</sup> to 12<sup>th</sup> century material was also present (Fig. 8 Section 120).

The southern side of [1151] was truncated by [1143], a substantial cut feature, possibly for the extraction of clay, the limits of which extended below later features and alluvial deposits. On stratigraphic grounds this dated to at least the 14<sup>th</sup> century, but it contained only 11<sup>th</sup>-12<sup>th</sup> century material. It was aligned southwest to northeast and was at least 12.28m long and where excavated had a depth of only 0.25m. A shallow sub-circular concave-based pit [1277], cutting [1143], was also no earlier than the 14<sup>th</sup> century.



*Pits [1126=1127]*

A cluster of five shallow sub-circular pits [1126=1127] extended northeast across the eastern side of the site and were dated to the late 13<sup>th</sup> to 15<sup>th</sup> centuries (Fig. 22 Section 175). These were most probably for refuse disposal and contained large quantities of Toynton vessels, including several cracked in firing, perhaps sub-standard or wasters. Pit [1277] to the south was probably part of the same sequence. Three of the pits cut through the fills of Phase 3 linear [1008].

*Probable structure [1105] and post-hole [1287]*

Evidence of structural activity during Phase 6 was restricted to the site's eastern corner. Two regular narrow linears (Group [1105]), of late 13<sup>th</sup> to 15<sup>th</sup> century date, joined at a right-angle and, despite their varying profiles, were probably both beam-slots for a timber building (Fig. 7 Section 191). A post-hole [1287], which had been cut through the base of the junction of these linears shared their fills and was most probably associated with the structure.

*Pit [1107] and ditch [1109]*

Two features, cutting undated gully [1010] (Phase 2) in the eastern corner of the site relate to Phase 6. Aligned northeast to southwest, the first [1107], a probable extraction pit had an elongated sub-rectangular profile and a flat base (Fig. 23 Section 202). Pottery of 14<sup>th</sup> to 16<sup>th</sup> century date was recovered from its fills. On the same alignment, the second feature, ditch [1109] was concave-based and of 14<sup>th</sup> to 15<sup>th</sup> century date (Fig. 22 Section 197).

*Alluvial deposits (1258), (1260), (1261) and stake-hole [1259]*

A sequence of alluvial deposits (1258, 1260, 1261), identified in the site's southern corner, relate to flooding of the fen basin (Fig. 10 Sections 207 and 208, Plate 6). Undated, the earliest deposit (1258) was cut by a small stake-hole [1259], which was in turn sealed by

deposits of silt and clay (1260) dated to the mid to late 13<sup>th</sup> century. This was covered by a single 0.13m thick horizon of fine buff yellowish brown sand (1261) as marking a major marine flood horizon (Appendix 12).

**5.8 Phase 7: Late Medieval deposits (mid 15<sup>th</sup> to 16<sup>th</sup> centuries)**

*Pottery evidence suggests that activity intensified on the northwestern part of the site from the mid-15<sup>th</sup> century onwards through the excavation of large extraction pits, refuse pits, ditches and gullies as well as the erection of beam slot structures. Thirty-three context groups on the northwestern half of the site relate to this phase, whereas by contrast only five post-holes (Groups [1248] and [1263]) and four pits (Group [1267]), on the southeastern half of this do (Figs. 5 and 7). The majority of the Phase 7 features were aligned at an approximate right angle to the present Church Road. The earlier Late Saxon and medieval enclosures appear to have been in-filled by this stage. Deposits along the site's southern edge suggest that the level of Church Road was raised by dumping at this time.*

A further alluvial deposit (1262), overlying Phase 6 flood sand (1261), contained fragments of mid 15<sup>th</sup> to mid 16<sup>th</sup> century pottery.

The twenty pit groups relating to Phase 7 can be grouped into three distinct categories: rectangular and sub-rectangular steep-sided flat-based cuts; large irregular pit cuts which occupied the central area of the site and were extensively re-cut; and finally smaller irregular pits, most probably intended for refuse disposal.

*Pits [1068], [1057], [1176], [1178] [1181], [1183], [1185], [1187] and [1246]*

Nine rectangular pit cuts, all steep-sided and flat-based, were excavated across the western half of the site during Phase 7 ([1068], [1057], [1176], [1181], [1183],

[1187] and [1246]) (Fig. 18 Section 108, Fig. 9 Section 139, Fig. 16 Section 86 and Fig 18 Sections 108 and 116). Although not necessarily contemporaneous, their distinctive form suggests that they were excavated for the same purpose, most probably extracting clay. The pits were in-filled with domestic refuse. Cutting gully [1239] (Phase 6) in the western corner of the site, and isolated from the other pits, pit [1068] was 1.06m deep and dated to the 14<sup>th</sup> to 16<sup>th</sup> centuries. To the east, a second pit [1057], cut ditch [1004] (Phase 6), was 0.60m deep and can be dated to the mid 15<sup>th</sup> to mid 16<sup>th</sup> century.

The third extraction pit [1176], cut deposit (1158) close to the southwestern limit of excavation, was steep-sided and c. 1.9m deep (Plate 7). 'Steps' evident in the sides of the pit most probably represent the spits in which the clay was extracted. Pit [1176] was in-filled with deposits, of mid 15<sup>th</sup> to mid 16<sup>th</sup> century date, containing a high proportion of domestic waste and charcoal (1177). The pit was re-cut by a large refuse pit [1178], which was in-filled with domestic waste and large quantities of pottery, some spalled and misfired, dated to the mid 15<sup>th</sup> to 16<sup>th</sup> century.

Another large rectangular pit [1183] truncated ditch [1004] (Phase 6), immediately northeast of [1176]. Re-cut by pit [1185], mid 15<sup>th</sup> to 16<sup>th</sup> century pottery was recovered from the fills of both features. Significantly smaller than [1183] to the southwest, a further extraction pit [1181] cut (1001), and was in-filled with a single charcoal-rich deposit of late 15<sup>th</sup> to 16<sup>th</sup> century date.

To the northeast of [1181], a large rectangular, near-vertical flat-based pit [1246], cut linear [1197] (Phase 7, see below). Aligned southwest-northeast, pit [1246] was of mid 15<sup>th</sup> to 16<sup>th</sup> century date and was cut by refuse pit [1203] (Phase 7, see below). The final extraction pit [1187], cutting ditch [1201] (Phase 3) immediately east of [1246], also dated to the mid 15<sup>th</sup> to 16<sup>th</sup> century.

*Pits [1033], [1034], [1035], [1037], [1216] and [1234]*

A cluster of six pits ([1033], [1034], [1035], [1037], [1216], and [1234]) and a cut feature [1232], ranging from 1.62 to 7.82m in diameter and in-filled with domestic refuse were located in the centre of the site. Considerably less regular than the rectangular pits reported above, these intercutting pits most probably represent a continued phase of activity.

**Pit [1033]** was 0.60m deep, measured 2.35m across and truncated pits [1043] (Phase 6), [1216] and [1034] (Phase 7; reported below). Dated to the mid 15<sup>th</sup> to mid 16<sup>th</sup> century, they yielded brick and tiles (Fig. 13 Section 7, Fig. 12 Section 19, Plates 9 and 10).

**Pit [1034]** truncated pit [1035] and was in turn cut by [1033]. Dated to the 14<sup>th</sup> to 16<sup>th</sup> century, it included some misfired sherds, as well as brick and tile (Fig. 12 Section 19). It was 0.82m deep and measured 5.70m in diameter.

**Pit [1035]** was 0.48m deep, measured c. 6.70m across although it was severely truncated by [1034]. It cut natural (1001) and contained pottery of mid 13<sup>th</sup> to 15<sup>th</sup> century date and bricks (Fig. 12 Section 19, Plate 10).

**Pit [1037]** was at least 1.66m deep, measured 7.82m across, cut pits [1053], [1050] (both undated, Phase 2) and [1045] (Phase 6) and cut by pit [1048] (Phase 8). Containing a large quantity of pottery dated to the mid 15<sup>th</sup> to mid 16<sup>th</sup> centuries, and bricks and tiles, it was partially overlain by a dumped deposit (1047) of mid 15<sup>th</sup> to mid 16<sup>th</sup> century date (Fig. 15 and Fig. 20 Section 66/140, Plates 8 and 11).

**Pit [1216]** was at least 0.39m deep, measured 2.36m, cut through gully [1214] (Phase 7; reported below), and was in turn truncated by pit [1033], no dating evidence was recovered from its fill (1217).

**Pit [1283]** was at least 0.83m deep, cut

through natural (1001) and was of mid 15<sup>th</sup> to 16<sup>th</sup> century date. In turn it was cut by [1232].

**Feature [1232]** A shallow flat-based cut of uncertain purpose cutting pit [1283] and feature [1231] (Phase 6). It was 0.30m deep and dated to the mid 15<sup>th</sup> to mid 16<sup>th</sup> century. It also contained a moderate quantity of brick and tile. Cut by pit [1234] (Fig. 11 Sections 43 and 44).

**Pit [1234]** was 0.55m deep, measured 1.62m across, cut [1232] and dated to the late 15<sup>th</sup> to 16<sup>th</sup> century.

The function of these pits is unclear; their size means that they were probably initially excavated for clay extraction and then filled with refuse, although some of the later re-cuts may have been intended purely for garbage disposal.

*Pit groups [1161], [1162] and [1186]*

Five pits, [1161] (2 pits), [1162] and [1186] (2 pits), located towards the southwestern limit of excavation are of more limited extent and were most probably intended for refuse disposal. Cutting natural (1002), pit [1162] was of mid 15<sup>th</sup> to mid 16<sup>th</sup> century date, while the second two pits [1186], truncated pit [1181] and gully [1183] (Phase 7, see below) and dated to the 15<sup>th</sup> century. Cutting linear [1174] (Phase 7, see below), the final 2 pits (Group [1161]) were of mid 15<sup>th</sup> to 16<sup>th</sup> century date.

*Pits [1189] and [1203]*

Three refuse pits, [1189] and [1203] (2 pits), were located in the central area of the site. The first [1189] truncated extraction pit [1187] (Phase 7), and contained pottery of late 15<sup>th</sup> to 16<sup>th</sup> century date and an articulated dog burial (Appendix 10) (Fig. 18 Section 108). The remaining two pits [1203], cut extraction pit [1248] (Phase 7) and ditch [1055] (Phase 3) and were of mid 15<sup>th</sup> to 16<sup>th</sup> century date (Fig. 18 Section 116).

*Gully group [1031], gully [1199], beam slots [1299], [1029] and post-holes [1192]*  
Evidence of gullies, beam-slots and post-holes indicative of structures was recorded in two areas of the site. In the site's northwest corner, a northwest-southeast aligned flat-based beam slot [1299], 7.4m in length, was dated to the mid 15<sup>th</sup> to 16<sup>th</sup> century on the basis of pottery recovered from its fill (1300). A second 11.71m long beam slot [1029], cutting (1300) at a right angle to [1299], contained re-deposited late 9<sup>th</sup> to late 10<sup>th</sup> century pottery alongside 13<sup>th</sup>-15<sup>th</sup> century ceramics (Fig. 24 Sections 5-6 and 16). Immediately north of [1029], two irregular gullies (Group [1031]) joined at an acute angle and were dated to the 15<sup>th</sup> to 16<sup>th</sup> centuries (Fig. 25 Sections 63 and 67). The function of these gullies is unclear.

Eight sub-circular post-holes (Group [1192]) cut pit [1057] (Phase 7) in the central area of the site. Yielding a single sherd of mid 13<sup>th</sup> to 15<sup>th</sup> century pottery, these post-holes were irregularly spaced and may not all be contemporary. A south-southwest to north-northeast aligned gully [1199] of mid-15<sup>th</sup> to 16<sup>th</sup> century date cut across [1203].

*Linears [1174], [1197]=[1153]*

At the southern end of the site, a dumped deposit of clayey silt (1285) was cut by a southwest-northeast aligned linear [1174] of 15<sup>th</sup> to 16<sup>th</sup> century date, which also truncated undated gully [1279]. Flat-based and at least 13.27m long, it is not clear whether [1174] represents a gully or a beam slot.

A single ditch [1197]=[1153], possibly defining the eastern limit of Phase 7 occupation, extended across the central area of the site, changing alignment from northeast-southwest to north-northwest to south-southeast to north-northeast to south-southwest. Cutting deposit (1158), late 15<sup>th</sup> to 16<sup>th</sup> century pottery was recovered from the fills (1154), which were in turn sealed by remnants of a hearth [1160].

*Deposits (1241) and (1242)*

A sequence of silt and silty clay deposits (1241) covered earlier horizons along the southwestern edge of excavation. Dated from sherds of mid 15<sup>th</sup> to mid 16<sup>th</sup> pottery recovered from the uppermost layer, it is not clear whether these deposits resulted from deliberate dumping or natural flooding. The alluvium was partially overlain by a dumped deposit of silty clay (1242) containing mid 15<sup>th</sup> to 16<sup>th</sup> century pottery and limestone building rubble. A fragment of a carved limestone door-jamb of 13<sup>th</sup> century date was recovered from this rubble (Appendix 7).

*Natural features [1194] and [1278]*

Two small natural depressions, [1194] and [1278], cut through gully [1195] (Phase 6) and pit [1162] respectively. A single sherd of mid 15<sup>th</sup> to 16<sup>th</sup> century pottery was recovered from the fill of [1278].

*Posthole groups [1248] and [1263] and pit groups [1267]*

Phase 7 activity on the southeastern side of the site, southeast of linear [1197]=[1153] (Phase 7, see below), was limited to three isolated post-holes (Group [1248]) of mid 15<sup>th</sup> to 16<sup>th</sup> century date. Two further post-holes [1267] cutting alluvial deposit (1262) (Phase 6) in the southern corner of the site can be dated to the 15<sup>th</sup> to 16<sup>th</sup> century on the basis of a single sherd recovered from one of their fills. Alluvial deposit (1262) was also cut by four refuse pits (Group [1267]), one of which also truncated the fill of one of the [1267] post-holes. The refuse pits are of mid-15<sup>th</sup> to mid 16<sup>th</sup> century date.

**5.9 Phase 8: Medieval or later deposits**

*Dating evidence was absent from fourteen context groups which cut medieval (Phase 6 and 7) deposits. These features are therefore of medieval or later date (Fig. 3).*

*Pits [1048], [1049] and [1052]*

In the central area of the site, pit [1037]

(Phase 7) was re-cut by a second pit [1048], which was in turn truncated by a small 0.66m diameter refuse pit [1049]. A final refuse pit [1052], cutting [1049] probably represents the western continuation of one of the group [1203] refuse pits (Phase 7) (Fig. 15).

*Hearths [1171], [1156] and [1157]*

Two hearths [1171] and [1156] were located close to the southwestern limit of excavation, overlying ditches [1020] (Phase 6) and [1153] (Phase 7) respectively. A third hearth [1157] overlay [1156].

*Post-holes [1163], features [1152] and [1172]*

Ditch [1020] was also cut by a group of two post-holes [1163], while a second group of two post-holes [1167] truncated one of the group [1161] refuse pits (Phase 7). To the east of these post-holes [1152], a shallow cut feature, possibly a scoop or hollow, cut a similar Phase 6 feature [1151] and was in turn truncated by a final shallow cut [1155] (Fig. 8 Section 120). The final Phase 8 feature in this area [1172], a probable beam slot, cut linear [1174] (Phase 7) at a right angle.

*Gully [1265] ditch cut [1268]*

In the southern corner of the site, two features, a north-northeast to south-southwest aligned gully [1265] and a northwest-southeast aligned ditch [1268], cut Phase 6 alluvial deposit (1262).

*Linear [1223] and deposit (1271)*

Two medieval or later deposits were identified at the northern end of the site. The first (1271) sealed silting deposit (1220) (Phase 6), whilst the second [1223], a northwest-southeast aligned ditch, cut ditch [1218] (Phase 6).

*Gully [1115]*

Concave-based, gully [1115] cut the fills (1110) of ditch [1109], and continued the ditches northeast-southwest alignment.

### **5.10 Phase 9: Post-medieval deposits (17<sup>th</sup> to 19<sup>th</sup> centuries)**

*Post-medieval activity on the site was limited to fourteen context groups representing ditches, refuse pits and extraction pits of limited extent. No evident structures were identified on the site during this period (Figs 3 and 5).*

#### *Linears [1165], [1025], [1023], [1204] and [1206]*

A single narrow ditch [1165] extended across the site on a south-southwest to north-northeast alignment at a right angle to Church Road. This boundary split the site into western and eastern sections, although it in all probability replaced an earlier boundary as it also defines the western limit of the majority of the Phase 7 features. Cutting Phase 7 features [1189] [1190], and Phase 4 extraction pit [1279], the ditch is dated on clay pipe evidence to the 17<sup>th</sup> century (Appendix 9). At its northern end the line of the boundary was widened through ditch [1025], which dated to the 17<sup>th</sup> to 19<sup>th</sup> centuries. Ditch [1025] was re-cut by ditch [1023] which also truncated refuse pit [1274] (see below) and was of mid 18<sup>th</sup> to mid 19<sup>th</sup> century date.

Possibly a continuation of [1023], a second ditch [1204] on the same alignment as [1165] and dating to the early to mid 17<sup>th</sup> century, was re-cut by a second ditch [1206].

#### *Pits [1039] and [1274], deposit (1212)*

A large rectangular flat-based extraction pit [1039] was located immediately southeast of [1023]. Cutting Phase 3 ditch [1008], this pit is dated on both pottery and clay pipe evidence to the mid to late 17<sup>th</sup> century (Appendix 9). The pit was re-cut by a refuse pit [1274], of late 17<sup>th</sup> to 18<sup>th</sup> century date, which was in turn cut by ditch [1023]. A deposit of dark greyish brown silt (1212), sealing feature [1210] (Phase 3) was most probably spread from the upper fills of [1039].

#### *Linears [1041] and [1027]*

In the northern corner of the site a west-northwest to east-southeast ditch [1041] containing post-medieval ceramic building material (Appendix 5), was re-cut by a second ditch [1027] of 19<sup>th</sup> to 20<sup>th</sup> century date.

#### *Pits [1221], [1301], [1208] and [1075]*

Four groups of post-medieval refuse pits were identified ([1221], [1301], [1208] and [1075]). One, a single pit [1301] was identified in the site's southern corner adjacent to Church Road cutting Phase 6 alluvial deposit (1262) and dated on clay pipe evidence to the 18<sup>th</sup> century (Appendix 9). Another group [1075] comprised three small pits, with distinctive sub-rectangular profiles cutting Phase 7 extraction pit [1068] and natural silt [1002] in the southwest corner of the site, dated on clay pipe evidence to the 17<sup>th</sup> century. In the northern part of the site a group of two refuse pits [1221], of 14<sup>th</sup> to 17<sup>th</sup> century date, cut Phase 6 linear [1218]. The final refuse pit [1208] cut ditch [1204] (Phase 9). Of late 16<sup>th</sup> to 17<sup>th</sup> century date, pit [1208] was partially overlain by a dump deposit of mid 17<sup>th</sup> to 18<sup>th</sup> century date (1209).

### **5.11 Phase 10: Recent deposits**

Recent disturbance to the site was limited to a ditch [1225] (Fig. 3, Fig.11 Section 8), cutting deposit (1271) (Phase 8) in the northeastern part of the site, a gully [1289], cutting alluvium (1262) (Phase 6) in the southeast corner, and a refuse pit [1270], of 19<sup>th</sup> to 20<sup>th</sup> century date, cutting one of the Group [1267] pits (Phase 7).

Deposits of overburden (1019) and ploughsoil (1272) overlying the archaeological deposits were removed by machine. Unstratified finds recovered during the machining have been grouped as (1273).

## 6. DISCUSSION

### 6.1 Phase 1: Natural alluvial deposits

Natural alluvial deposits, of silt and silty clay, overlying clay, were observed across the area at 1.90m OD. Indicating a saltmarsh environment, evidence was found for inundations continuing into the medieval period (Phase 6) and it is clear that the low-lying, wet nature of the site must have had an impact upon its occupation.

A geo-archaeological assessment of the site undertaken by James Rackham, found saltmarsh deposits extending across the northern part of the site and ‘banked up’ against a raised silty clay bank in the southwestern half of the excavation area (Appendix 12). Rackham suggests that this silty clay may represent an area of raised ground, upon which the church stands and the settlement was historically focused. Rackham identified a distinctive thin grey silty clay horizon within both the northern saltmarsh alluvium and the fills of gully [1010] (Phase 2). This gully was cut by linear [1117] (Phase 4), showing that an episode of flooding must have taken place prior to the end of the 12<sup>th</sup> century, although it may have occurred considerably earlier.

One of the auger investigations by Rackham in the southwestern half of the site hinted at the presence of possible archaeological deposits buried beneath the silts and below the level of impact for the development. If so this would suggest an earlier sequence of activity, possibly Romano-British, beneath post-Roman marine silts and Saxon remains. A single sherd of Romano-British greyware recovered re-deposited within a later context suggests activity within the area at that time. Moreover this artefact contributes to the limited previous discoveries of Roman pottery at the site and in the immediate proximity (Palmer-Brown 1996b; Taylor 2004).

### 6.2 Phase 2: Undated deposits

Undated remains occurred across the site and, although these contexts lacked artefactual evidence, spatial and stratigraphic relationships with dated features suggest in certain cases potential phasing.

Seven undated post-holes [1119], in the eastern corner of the site possibly represent part of the remains of a timber structure, measuring 2.99m x >3.05m. Two dated beam slot structures [1016] (Phase 3) and [1105, 1287] (Phase 6) were recorded in close proximity to [1119] and the post-hole structure may date to one of these phases.

### 6.3 Phase 3: Late Saxon deposits (late 9<sup>th</sup> to late 10<sup>th</sup> century)

Pottery evidence suggests that the occupation of the site commenced during the late 9<sup>th</sup> to late 10<sup>th</sup> century, with features of this date clustered in the eastern and western corners of the excavation. It is possible that Phase 3 activity was more widespread than the archaeological record suggests, as later use of the site in all probability truncated or masked earlier remains. Moreover the enclosure ditches were likely to have been maintained throughout the duration of their use and therefore only their pre-abandonment phase can be reliably dated.

Two well-preserved beam slots representing a rectangular timber-framed building [1016], measuring at least 2.52m by 5.53m, were found in the site’s eastern corner. Pottery evidence from the slots dates this building to the late 9<sup>th</sup> to late 10<sup>th</sup> century. The beam slots cut the fills of ditch [1008], showing that the structure must post-date the sealing of the earlier ditch. Distinct spreads of silty clay (1017) within the interior of the structure most probably represent flooring or slumped walling, their preservation being due to the sealing of the remains below later flood deposits (Appendix 12). The level of the silty clay deposits indicates that Late Saxon ground level lay at 1.90m OD,

significantly lower than the level of activity at three earlier, Early and Middle Saxon (AD400-850) sites excavated at Gosberton which lay at between 2.7m and 3.2m OD (Crowson *et al.* 2005).

Evidence of Saxon buildings are rare in the Lincolnshire fenland although examples have been excavated at Hoe Hills, Dowsby; Chopdike Drove, Gosberton; Mornington House, Gosberton (Crowson *et al.* 2005) and most recently at Clampgate Road, Fishtoft (Hall 2004). The closest parallel to the Old Leake building [1016] is a rectangular beam slot structure excavated at Chopdike Drove, Gosberton in 1992. Of mid to Late Saxon date (AD725-1066), and of similar form to [1016], the Gosberton structure measured 14.2m x 7.5m (Crowson *et al.* 2005, 71).

Four post-holes [1122], west of [1016] also relate to Phase 3, but are too irregularly spaced to be interpreted as a single structure.

Three ditches [1008], [1201] and [1082] can be clearly dated to Phase 3. Two of ditches [1008] and [1201] follow the distinctive northeast to southeast alignment of later, Phase 4-6, linears, indicating that this pattern of landscape demarcation is of Late Saxon date. The third ditch cut [1082] was only partially exposed beneath later truncation.

#### *Artefactual Evidence*

Dating evidence for Phase 3 is limited to pottery fragments as no other datable artefacts for this period were recovered (Appendix 4). Three types of late 9<sup>th</sup> to late 10<sup>th</sup> century fabric were recovered: early Stamford ware; Lincoln kiln type shelly ware; and Lincoln shelly ware, all the products of regional industries located within established urban centres. Representing 51 and 72 vessels respectively, the largest assemblages were of Lincoln kiln type and Lincoln shelly wares, indicating that pottery was traded along the Witham valley. This summary is based upon all the late 9<sup>th</sup> to 10<sup>th</sup> century

sherds recovered from the site and includes those re-deposited within later contexts.

Although the majority of the fired clay was undiagnostic, a possible mould fragment was recovered from beam slot [1016] (Appendix 5) and further evidence for metalworking was provided by two fragments of Late Saxon pottery crucible fragments, recovered re-deposited within the fills of later features, [1149] (Phase 6) and [1185] (Phase 7) (Appendices 4 and 9).

#### *Ecofactual Evidence*

Analysis of the faunal remains found evidence of *Equid* (horse family), cattle, sheep/goat, pig, domestic fowl and shellfish being either present or consumed on the site during Phase 3 (Appendix 10). Although all the above species were present in more limited quantities than in the later phases, the Phase 3 and 4 cattle remains were from predominantly older individuals than the later remains (Phases 6-7), suggesting that animals were retained into old age for milk production and traction. This implies that cattle were too valuable a commodity to be slaughtered young for meat.

Environmental samples from 15 contexts of 9<sup>th</sup> to 12<sup>th</sup> century date (Phases 3 and 4) were analysed (Appendix 11). The overall assemblages are consistent with scatters of mixed refuse, with salt tolerant barley being the predominant cereal grain. Domestic occupation is indicated by the charred nature of the assemblage, which is likely to have resulted from accidental spillage during culinary preparation and cereal processing. Traces of high temperature firing are consistent with the use of cereal waste as kindling within domestic ovens and hearths. Wetland plant remains found within the assemblage are likely to have been derived from flooring or hatch materials.

The overall Late Saxon environmental assemblage is similar to those recovered from contemporary sites on the south

Lincolnshire silt fenland (Appendix 11).

#### **6.4 Phase 4: Saxo-Norman deposits (10<sup>th</sup>-12<sup>th</sup> century)**

Although pottery evidence indicates that usage of the site continued into 10<sup>th</sup> to 12<sup>th</sup> century, it appears that structures were absent as, with the exception of an isolated post-hole, Phase 4 remains were limited to linear boundaries, gullies and pits, suggesting that the site lay on the margins of Saxo-Norman occupation.

Three of the five pits dated to Phase 4 ([1066], [1062] and [1279]) had a distinctive sub-rectangular profile and were either vertical or steep-sided. Of varying sizes, similar sub-rectangular pits continued to be excavated during later phases of the site's occupation, most notably Phase 7. Sub-rectangular pits have also been reported on other Late Saxon and medieval fenland settlement sites, most notably 160m northwest of the present excavation at Church Road/ School Lane, Old Leake, where pits of late 9<sup>th</sup> to late 10<sup>th</sup> century and 10<sup>th</sup> to early 11<sup>th</sup> century date were identified during evaluation (Taylor 2004). Earlier sub-rectangular pits of Middle Saxon date were excavated at Chopdike Drove, Gosberton (Crowson *et al.* 2005), while later 12<sup>th</sup> to 13<sup>th</sup> century examples were found at Clampgate Road, Fishtoft (Hall 2004).

The interpretation of these pits is unclear as their size, coupled with the regularity of their shape and profile, means that there are unlikely to have been intended purely for refuse disposal, although this was clearly a secondary function. These pits are instead more likely to have been excavated for the extraction of the clay through which they were cut, or the underlying clay beneath the alluvium. The low-lying nature of the fens, and the resulting intermittent inundations, means that the underlying clays are likely to have been utilised for flood defences and raised flooring, both by individuals and on a parish level. A series of rectangular pits

exposed on the foreshore at Ingoldmells have been interpreted as quarries for the maintenance of the medieval sea-banks (Robinson 1981, 23).

#### *Artefactual Evidence*

Phase 4 dating is limited to pottery evidence. Eleven Saxo-Norman fabric types were present within the assemblage and comprised: Lincolnshire Fine-shelled ware; Late Saxon / Saxo-Norman Lincoln Sandy ware; local and non local Late Saxon fabrics; 12<sup>th</sup> century Lincoln Glazed ware; St Neots type ware; Saxo-Norman Lincoln Sandy ware; Stamford ware; Thetford-type fabrics; and Torksey ware (Appendix 4). The assemblage was biased towards Lincoln type fabrics (31 vessels), Stamford Wares (21 vessels), Thetford-type (17 vessels) and St Neots-type wares (16 vessels), suggesting that supply was still focussed on the Witham valley, although wider trading across both the fenland and The Wash was underway. This summary is drawn from 10<sup>th</sup> to 12<sup>th</sup> century pottery recovered from across the site and includes those redeposited within later contexts.

Fragments of fired clay recovered from the fills of Gully [1073] may have come from an oven (Appendix 5).

#### *Ecofactual Evidence*

Analysis of the faunal remains found evidence of *equid* (horse family), cattle, sheep/goat, pig, dog, bird and shellfish being either present on site or consumed as meat during Phase 4 (Appendix 10). As commented above, the Phase 3 and 4 cattle remains were typically from older individuals than the later Phases 6-7 remains.

#### *Overview*

Occupation of the site commenced in the late 9<sup>th</sup> century and during the Late Saxon and Saxo-Norman periods the site was divided in to enclosures that were elongated east-northeast to west-southwest. No domestic residences were revealed in the excavation area though



timber outbuildings were identified within the enclosures.

The economy of the settlement seems to have been based on mixed arable and pastoral farming, with barley being grown and various types of livestock grazed, with dairy products provided by the cattle. Additionally, there is some slight evidence for the casting of small copper alloy objects.

### **6.5 Phase 5: Saxo-Norman or later deposits**

Two features on the western side of the site, gully [1139] and pit [1136], cut Phase 3 or 4 features and must therefore be of Late Saxon or later date although no datable artefacts were recovered from their fills. Faunal remains were also absent from these features.

### **6.6 Phase 6: Medieval deposits (13<sup>th</sup> to 15<sup>th</sup> century)**

Represented by post-holes, beams-slots, gullies, ditches, extraction and refuse pits, medieval activity on the site was more widespread than during the Late Saxon phases, indicating extensive domestic occupation either on or within close proximity to the site during Phase 6. However, the presence of alluvial deposits indicates that at least one flood event occurred.

A single beam slot and post structure ([1105]) in the eastern corner of the site measured at least 2.51m x 5.32m and was of 13<sup>th</sup> to 15<sup>th</sup> century date. Later truncation had destroyed any occupation deposits that may have been associated with it. Two isolated post-holes [1169], recorded close to the southern limit of excavation cannot be interpreted further.

Two distinct groups of linears relate to Phase 6. The first group [1004], [1020] and [1006], were substantial ditch cuts respecting the north-northwest to south-southeast alignments of the earlier Late

Saxon linears. Re-deposited late 9<sup>th</sup> to 12<sup>th</sup> century pottery recovered from the fills of [1004] suggest that this ditch may have cut or re-cut an earlier Phase 3 or 4 feature. The remaining Phase 6 linears consisted of gullies on various alignments.

Three sub-rectangular pits [1096], of late 13<sup>th</sup> to 14<sup>th</sup> century date, [1043], which dated to the 14<sup>th</sup> to 15<sup>th</sup> century and [1012] dating to the late 13<sup>th</sup> to 15<sup>th</sup> century, are likely to have been clay extraction pits of similar purpose to those identified in Phase 4. A substantial cut feature [1143] partially exposed beneath later flood deposits at the southern limit of excavation may also have been intended for clay extraction. Possible pottery waster sherds present within the Phase 6 and 7 Toynton ware assemblages, coupled with unusual fabrics found on other sites, hints at pottery manufacture within the vicinity of Old Leake (see below). If this were true, then some of the Phase 6 and 7 extraction pits may have served this industry.

Seven groups of smaller, less regular concave-based pits, [1213], [1295], [1102], [1252], [1286] and [1126=1127] were most probably intended for refuse disposal. Consisting of five shallow sub-circular pits and dated to the 13<sup>th</sup> to 15<sup>th</sup> centuries, group [1126=1127] may relate to structure [1105, 1287] to the northeast.

A sequence of alluvial flood deposits identified in the southern corner of the site (1258, 1260, 1261 and 1262) dates, on pottery evidence, to the 13<sup>th</sup> to 16<sup>th</sup> century (Appendix 4). 'Wrangle Haven', a former saltwater creek drained in the post-medieval period, lies 1km northeast of the site and the low-lying nature of the ground makes it likely that incursions from the haven would have been reasonably frequent, although saltern mounds would possibly afford a degree of protection to the inland settlements.

Although floods across the fens during the late medieval and early post-medieval period are well documented, with major

inundations known in 1287, 1467 and 1571, specific references to 'Leek' occur only once, in 1394 when an inquisition at Bolingbroke heard evidence of extensive flooding caused by 'the defects of a certain floodgate at Waynflote'. This flood, however appears to have been a freshwater event caused by waters trapped against the rear of the sea defences (Wheeler 1990, 24-8).

#### *Artefactual Evidence*

A large and diverse pottery assemblage related to Phase 6, with fragments of 532 12<sup>th</sup> to 15<sup>th</sup> century vessels being recovered, if material re-deposited within later contexts is included. (Appendix 4). Although the assemblage is dominated by products of the local Toynton kilns, products from south Lincolnshire (Bourne and Stamford) were also found along with wares from Boston. Inland trade is attested to by the presence of fabrics from Potterhanworth, Lincoln and Nottingham, whilst sherds of Beverley Orange ware and Scarborough ware suggest coastal trade. Fragments of vessels from Grimston (Norfolk) were also found.

Approximately six percent of the Toynton wares from across the Phase 6 and 7 assemblages display evidence of over-firing. Although the majority are likely to have been seconds that could have still been traded a few appear to have been borderline wasters. It is possible that Toynton Ware type vessels were produced closer to Old Leake than the known production sites ten miles to the north, as unusual Toynton fabrics have been found during investigations at Church Road/School Lane, Old Leake, and elsewhere close to Lincolnshire's east coast (Appendix 4). Moreover, fragments of wasters or sub-standard vessels in Toynton-type fabric have been found, and were perhaps made, at Old Leake Commonsides, just 2km northwest of the present investigation area (Cope-Faulkner 2003, 1).

A fragment of iron knife blade with a

whittle tang, recovered from the fills of [1004] can be ascribed a broad medieval date (Appendix 9). A fragmentary bone scoop or strainer was recovered from the fills of [1109]. Formed from a sheep left scapula (shoulder blade), drilled with 4-5mm holes, this implement can only be ascribed a Saxo-Norman – medieval date although a near-identical object was recovered from a 12<sup>th</sup> to 13<sup>th</sup> century deposit in York and it is unlikely that these fragile items would have had a long use-span (Appendix 6).

A single piece of gritstone, possibly a fragment of an undated quern, was recovered from the fills of linear [1020] (Appendix 7).

#### *Ecofactual Evidence*

Analysis of the faunal remains found evidence for either the presence or consumption of cattle, sheep/goat, pig, dog, domestic fowl, goose, *Columba Sp.* (Pigeon Family), fish and marine molluscs on the site during Phase 6 (Appendix 10).

The Phase 6 to 7 cattle bone assemblages are biased towards younger individuals, suggesting a more targeted husbandry practice based on dairy and meat production, than during the earlier phases where animals were retained for longer. Similar evidence was found amongst the sheep/goat bone assemblage, which suggests a shift in emphasis away from wool production towards rearing for meat.

Analysis of the burnt plant remains recovered from the environmental samples found that whilst cereal remains, weed seeds, wetland plant remains and burnt dietary refuse were present within Phase 6 contexts, their density was very low in comparison with those from the earlier Late Saxon contexts (Appendix 11). With the possible exception of ditch [1043] and gully [1098] there is little evidence of primary deposition. The Phase 6 features truncated earlier remains and some of the plant material may be re-deposited.

The material recovered from ditch [1004] is particularly interesting as a high proportion of the macrofossils present may be derived from plants growing on or within close proximity to the site. The presence of grassland seeds, wetland plants, colonising weeds and segetal species within the fills of [1004] is suggestive of grassland or meadow adjacent to cultivated fields but probably removed from the main focus of settlement. Henbane seeds were also abundant within [1004]. This plant prefers nutrient-rich soils, suggestive of midden waste or animal manure and is commonly found in farmyards. Saltmarsh plants were also present within [1004] although in insufficient quantities to indicate marine flooding.

### **6.7 Phase 7: Late medieval deposits (mid 15<sup>th</sup> to 16<sup>th</sup> centuries)**

Pottery evidence indicates that while activity intensified from the mid-15<sup>th</sup> century onwards, Phase 7 occupation was restricted to the western part of the site where evidence of large extraction pits, refuse pits, ditches, gullies and beam slot structures were recorded. The majority of these remains were located west of post-medieval linear [1165] (Phase 9) suggesting that this boundary was established during Phase 7.

Three distinct categories of pits were identified: sub-rectangular flat-based extraction pits similar to those present in earlier phases; shallow sub-circular refuse pits similar to those present in Phase 6; and a cluster of eight substantial inter-cut pits measuring between 1.62m and 7.82m and infilled with domestic refuse. Although irregular, the sheer size of these pits mean that they are also likely to have been intended for the extraction of clay.

Two beam slots [1299] and [1029] at the northern corner of the site most probably relate to a single timber structure of mid-15<sup>th</sup> to 16<sup>th</sup> date. Although [1029] apparently cut the fill of [1299], this may

simply indicate that the beams were removed separately or decayed at differing rates. A third possible beam slot [1174] extended across the southern end of the site on a northeast-southwest alignment.

A final possible flood event, dated to the mid 15<sup>th</sup> to mid 16<sup>th</sup> century was indicated by a sequence of alluvial silts (1241) extending along the southwestern limit of excavation, although it is possible that this material was in fact dumped deliberately in order to raise the level of Church Road. The overlying deposit (1242), which was clearly dumped for this purpose and also dated to the mid 15<sup>th</sup> to 16<sup>th</sup> century, contained fragments of re-deposited carved medieval stonework (see below).

#### *Artefactual Evidence*

Analysis of the pottery evidence revealed fragments of 304 vessels of probable mid 15<sup>th</sup> to 16<sup>th</sup> century date, including artefacts re-deposited within later contexts (Appendix 3). Although the bulk of the vessels were products of the local Toynton and Toynton/Bolingbroke industries (115 and 135 vessels respectively), sherds of Bourne ware and Cistercian ware, produced in either Derbyshire or the Yorkshire/Humber region, were also present. The production of Cistercian ware at Bourne cannot be discounted.

Imports of Dutch Red Earthenware from the Low Countries and Langerwehe, Raeren and Siegburg stonewares, commonly found on sites of this period, were present in smaller quantities and attest to trade across the North Sea, with the material most likely being imported through Boston or London.

A single glazed ceramic spindle whorl of probable 16<sup>th</sup> century date was recovered from pit [1037] (Appendix 9).

Large assemblages of brick and tile fragments, datable only broadly to the 13<sup>th</sup> to 16<sup>th</sup> centuries were recovered, enabling the creation of specific fabric type series for both roof tile and brick 'Old Leake

Roof Tile Fabrics 1-7' and 'Old Leake Brick Fabrics 1-6' (Appendix 5). Only 18 pieces of flat roof tile, in contrast to 360 brick fragments, were recovered suggesting a bias towards thatch roofing materials. No *in situ* spreads of collapse or demolition were found with the bulk of the assemblage being recovered from dumped deposits or the fills of features. A single fragment of glazed floor tile from pit [1232] probably dates to the 14<sup>th</sup> to 16<sup>th</sup> centuries and may be of English or Flemish manufacture.

Four fragments of architectural stonework recovered from deposits 1241 and 1242, pit [1246] and unstratified context 1273, may relate to the nearby church of St Mary's which has recorded alterations and additions of 14<sup>th</sup> to 16<sup>th</sup> century date (Appendix 7). Similarly, three pieces of painted window glass, one with a cross decoration, of late medieval or early post-medieval date recovered from pit [1034] are also likely to have been removed from the church (Appendix 8).

A wide range of metalwork was recovered from Phase 7 contexts including a copper alloy lace tag of 15<sup>th</sup> to 17<sup>th</sup> century date and a wire loop fastener from pit [1034], an abraded silver coin of the period 1247-1483 from pit [1035], a second 15<sup>th</sup> to 17<sup>th</sup> century lace tag from feature [1232] and two iron knives from linear [1174] and pit [1185] (Appendix 9). Three fragments of quernstone, made from Rhenish lavastone imported from Germany, recovered from pits [1068], [1187] and [1034] are likely to relate to domestic brewing activity (Appendix 7).

#### *Ecofactual Evidence*

Analysis of the faunal remains found evidence for the presence of a diverse range of species being present or consumed on the site during Phase 7. Faunal remains recovered included: Equid, cattle, sheep/goat, pig, dog, domestic fowl, frog, rodent, herring and possibly goose (Appendix 10). However, some of the material possibly re-deposited from earlier

contexts truncated by Phase 7 features and the preponderance of refuse pits and refuse filled extraction pits on the site during Phase 7 is likely to be reflected in the assemblage. A single fish vertebra showed evidence of possible chewing, suggesting that cess may have been present.

The trend towards cattle and sheep/goat being slaughtered at younger ages noted from the Phase 6 assemblages continued, indeed in the case of cattle accelerated, during Phase 7. Evidence of possible hornworking was found on two fragments of sheep horncore. Pig production is also likely to have increased as the number of pig individuals recorded equalled those of sheep/goat. A fragment of *Equid* bone recovered from pit [1057] showed evidence of possible working. Although human consumption of horse flesh was forbidden by church edict, the processing of horse/donkey remains for skins hooves and animal feed is known to have taken place.

Pit [1189] contained a single dog burial. Relatively complete, the skeletally-mature animal measured 0.30m to the shoulder. A healed fracture trauma suggests that the animal was looked after.

Analysis of environmental samples taken from Phase 7 contexts found a higher proportion of material than those from the preceding phases, although this is likely to reflect the deposition of refuse on the site, rather than its immediate environment (Appendix 11). A proportion of the macrofossils are likely to have been re-deposited from earlier contexts truncated by Phase 7 features.

Although barley seeds still predominated, the increased presence of wheat suggests that cereals were being imported from a wider area as this crop is more suitable to heavier soils. Pulses, both peas and beans, fruits/nutlets of wetland plants, segetal and grassland weed seeds, charcoal/ charred wood fragments and other domestic remains suggestive of culinary or hearth

waste were also present.

Quantities of burnt freshwater mollusc shells recovered from pits [1034] and [136] may, in conjunction with charred wetland/aquatic plant remains, be indicative of either burnt flooring materials or burnt peat.

#### *Overview*

Following the Saxon phases the pattern of land parcelling at the site changed in the medieval period with enclosures being laid out approximately northwest to southeast. Redeposited Saxon artefacts within the medieval ditches suggest the possibility that some of the boundaries were maintained from the earlier to later periods.

As with the preceding Saxon phases, there was no evidence of domestic residences within the excavation area, though timber outbuildings were again recognised. However, refuse pits found across the area indicates habitation in the vicinity of the site.

Large extraction pits were excavated, perhaps to provide material for flood defence banks. Evidence of flood deposits, including indications of a significant inundation, and the preservation of saltmarsh plants indicate the proximity of the medieval coastline. An alternative use of the clay from the extraction pits was perhaps for pottery production, and sub-standard or waster ceramics raises the possibility of pottery manufacture in close proximity to the site.

Alterations in the farming economy are evident. There was a significant reduction in cereal production compared to the Saxon phases though, later in the medieval period, wheat grew in importance, but this may have been imported. Livestock began to be kept mainly for meat rather than dairy products. Querns indicate brewing in the area, probably on a domestic scale, and there was some evidence for limited hornworking. A single spindle whorl

indicates the production of yarn/thread in the area during the 16<sup>th</sup> century.

An increase in the prosperity of the settlement is indicated by pottery types imported from mainland Europe.

### **6.8 Phase 8: Medieval or later deposits**

Fourteen contexts groups must, on stratigraphic evidence, be of medieval or later date although no datable artefacts were recovered from their fills. Phase 8 features included pits, gullies, linears, post-holes and hearths and in all probability relate to the established late medieval and post-medieval occupation phases.

### **6.9 Phase 9: Post-medieval deposits (17<sup>th</sup> to 19<sup>th</sup> centuries)**

Post-medieval activity on the site was restricted to fourteen context groups representing ditches, refuse pits and extraction pits of limited extent and concentrated in the centre of the site and its southern and northern corners. Although buildings and structures were absent from the site during this period, domestic refuse was evident in the fills of many of the features, suggesting that the site lay in close proximity to but not within the settled area. A south-southwest to north-northeast aligned boundary division, linears [1165], [1025], [1023], [1204] and [1206] dates to Phase 9, although it may have been established by Phase 7 (see 6.7).

#### *Artefactual Evidence*

Analysis of the pottery assemblage found fragments of 65 vessels, post-dating the end of the 15<sup>th</sup> century, but mostly of late 17<sup>th</sup> and 18<sup>th</sup> century date. Modern finewares were largely absent from the site, suggesting that its usage had ceased by the mid to late 18<sup>th</sup> century (Appendix 4).

The post-medieval wares were sourced nationally with Cheam whiteware

(Surrey), Staffordshire slipware and Nottingham stoneware present within the assemblage. Continued trade across the North Sea is demonstrated by the presence of Frechen and Martincamp stonewares and a single sherd of North Holland slipware, although other ceramic forms associated with high status settlement were absent.

In total, one hundred and one fragments of clay pipe were recovered from the site (Appendix 9). Although a few 18<sup>th</sup> and 19<sup>th</sup> century examples were recovered, most of the pipes are of 17<sup>th</sup> century date. The bulk of the assemblage was probably manufactured in Boston although one piece from pit [1039], Context (604) and dated to 1600-1640, is likely to have been imported from London or the Netherlands as pipe manufacture outside these centres was scarce prior to 1640 (Appendix 9).

#### *Ecofactual Evidence*

Analysis of the faunal remains indicates that *Equid*, cattle, sheep/goat, pig, dog and domestic fowl were either present or consumed on the site during Phase 9 (Appendix 10). A proportion of the assemblage may have been derived from earlier contexts truncated by Phase 9 features.

Three dog burials were recovered from ditches [1023], [1165] and [1206]. Despite the manner of its disposal, the example from [1206] had a well-healed break, indicative of care. It is possible that these were working animals unceremoniously disposed of once their value is lost.

Nine environmental samples were taken from Phase 9 contexts. Although the samples mostly contained a smaller proportion of plant remains, the assemblages that were present were similar to those recovered from the Phase 7 contexts and are likely to have had a common source (Appendix 11).

## 7. CONCLUSIONS

Archaeological excavation on land opposite the Old Vicarage, Church Road, Old Leake, Lincolnshire was undertaken in accordance with a planning condition, in advance of residential development on the site. An archaeological evaluation undertaken in 1996 established the presence of Late Saxon/Saxo-Norman, medieval and post-medieval remains on the site.

Although a single sherd of residual Roman pottery was found, it is clear that any Romano-British occupation either lay elsewhere, or was buried beneath substantial pre-Late Saxon marine deposits extending beneath the development's level of impact (Phase 1).

Two phases of Late Saxon and Saxo-Norman occupation of late 9<sup>th</sup> to late 10<sup>th</sup> and 10<sup>th</sup> to 12<sup>th</sup> century date can be identified through pottery evidence (Phases 3 and 4). A rectangular timber-beam structure of late 9<sup>th</sup> to 10<sup>th</sup> century is of regional importance as it is one of only a small number of buildings of this date excavated on the Lincolnshire fens. Field and enclosure systems, on a distinctive north-northeast to south-southwest alignment, established during Phases 3 and 4 were maintained in use until the late medieval period.

Distinctive sub-rectangular pits, first excavated during Phase 4, continued to be dug into the post-medieval period (Phase 9) and were most probably clay extraction pits, although the intended use of this material is unknown and may have changed through time.

The majority of the features excavated on the site were of medieval, 13<sup>th</sup> to 15<sup>th</sup> century and late medieval, mid 15<sup>th</sup> to 16<sup>th</sup> century date (Phases 6 and 7). Activity during Phase 6 was more widespread than the earlier Late Saxon and Saxo-Norman occupation indicating extensive domestic occupation either on or within close

proximity to the site. A timber beam slot and post structure of 13<sup>th</sup> to 15<sup>th</sup> century date indicates the presence of at least one building on the site during this period during Phase 6. However, the presence of alluvial silts indicate that at least one flood event occurred.

Closely dated to the mid 15<sup>th</sup> to 16<sup>th</sup> century, Phase 7 usage was largely restricted to the western half of the site, suggesting that a landscape division had occurred, and consisted mostly of refuse pits and rubbish-filled extraction pits, suggesting that the site was used primarily for waste disposal, although at least one beam slot structure stood on the site at this time. It is possible that a final marine incursion occurred during Phase 7.

Post-medieval (Phase 9) remains were of limited extent being largely confined to the centre, northern and southern end of the site. Phase 9 remains included ditches, on differing alignments to the earlier linears, and pits. Pottery and clay pipe evidence suggests that occupation ceased by the mid to late 18<sup>th</sup> century.

Recent disturbance was restricted to two linears and a pit as well as deposits of overburden and ploughsoil, which sealed archaeological remains across the site.

## 8. ACKNOWLEDGEMENTS

Archaeological Project Services wishes to acknowledge the assistance of Simon Liquorish of Broadgate Homes Ltd who commissioned this work. The project was coordinated by Gary Taylor. This report was edited by Gary Taylor and Tom Lane. Thanks are due to the Boston Planning Archaeologist, Jenny Young, who permitted access to the parish files maintained by Heritage Lincolnshire.

## 9. PERSONNEL

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 Site Supervisors: Rachael Hall and Jennifer Kitch  
 Site Assistants: Alex Beeby, Sophie Claxton, Aaron Clements, Paul Cope-Faulkner, Debora Moretti, Bob Garland, Michaela Olovson, Russell Priest, Tobin Rayner, Jim Robertson, Karon Rosser, Aleck Russell, Steve Williams and John Ward.  
 Surveyor: Mark Dymond  
 Photographic reproduction: Thomas Bradley-Lovekin  
 CAD Illustration: Thomas Bradley-Lovekin  
 Post-excavation Analyst: Thomas Bradley-Lovekin

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IFA Institute of Field Archaeologists

OD Ordnance Datum (height above sea level)

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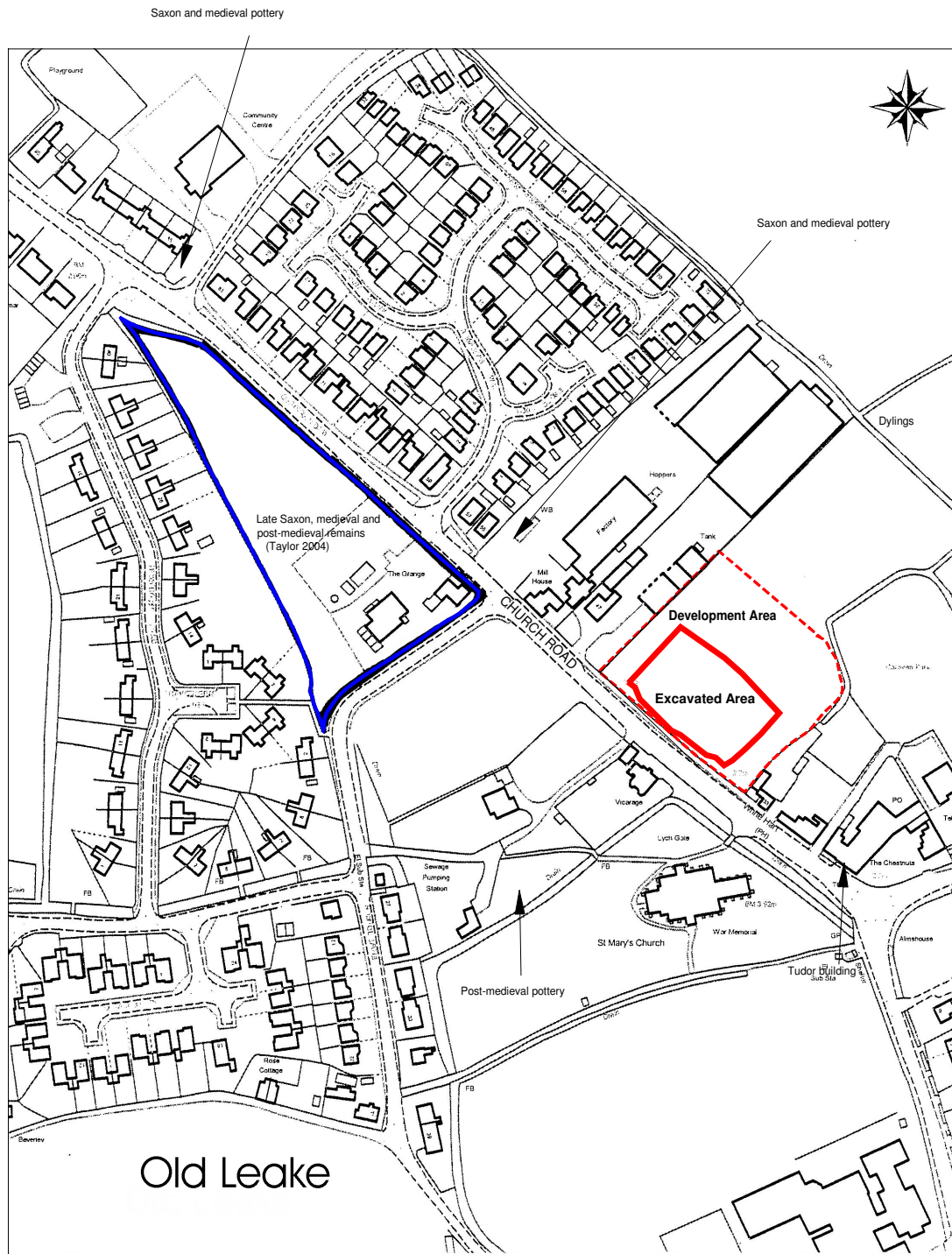
## **11. ABBREVIATIONS**

APS Archaeological Project Services





Figure 1: General Location Plan




 <b>Archaeological Project Services</b>		
Project Name: Old Leake, Land opp. Old Vicarage OLV05		
Scale 1:3000	Drawn by: TBL	Report No:11/06

Figure 2 Site Location Plan

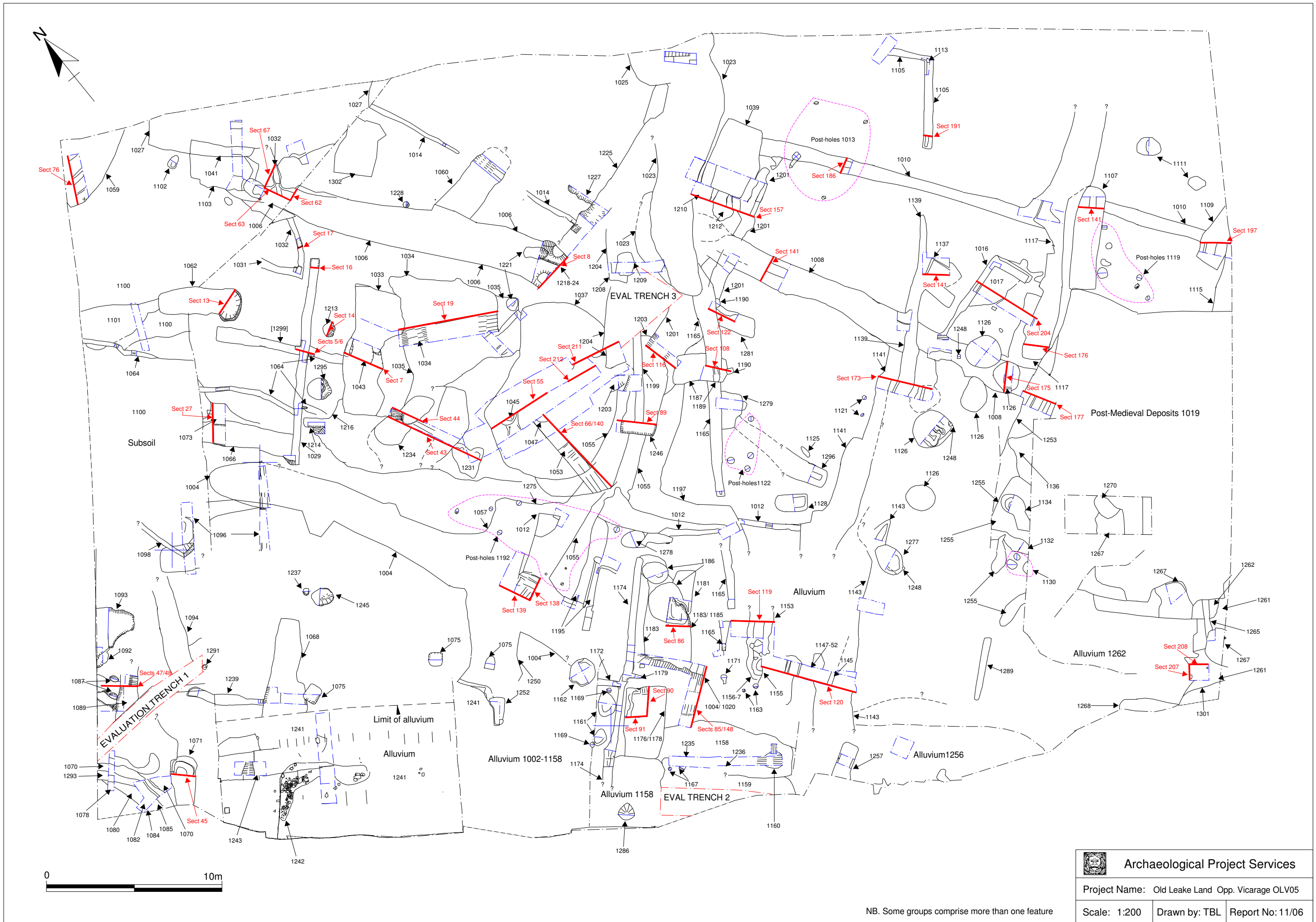


Fig. 3 Plan of excavation area showing context groups and section locations

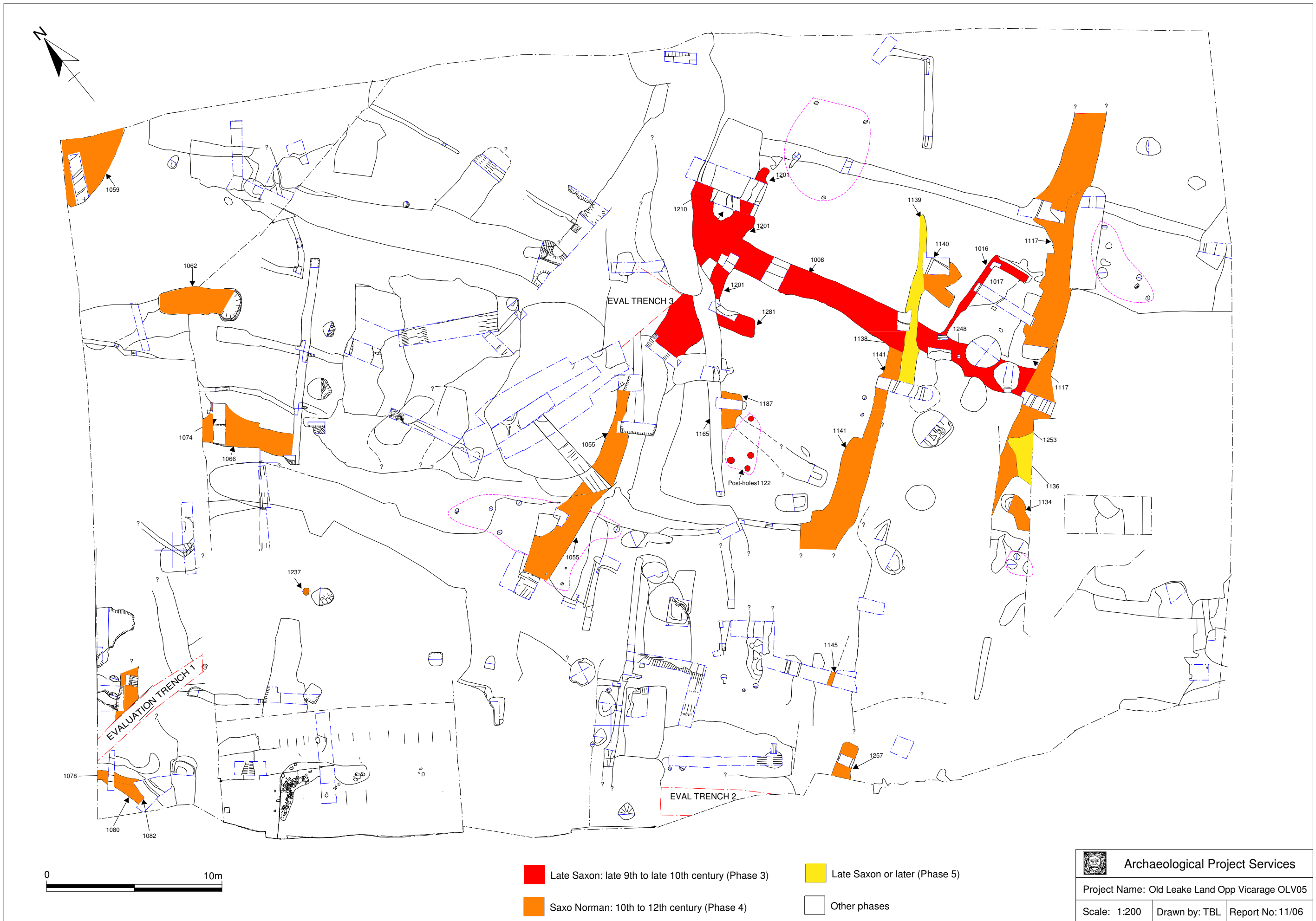


Fig. 4 Plan of late Saxon, Saxo-Norman and Late Saxon or Later features (Phases 3 to 5)

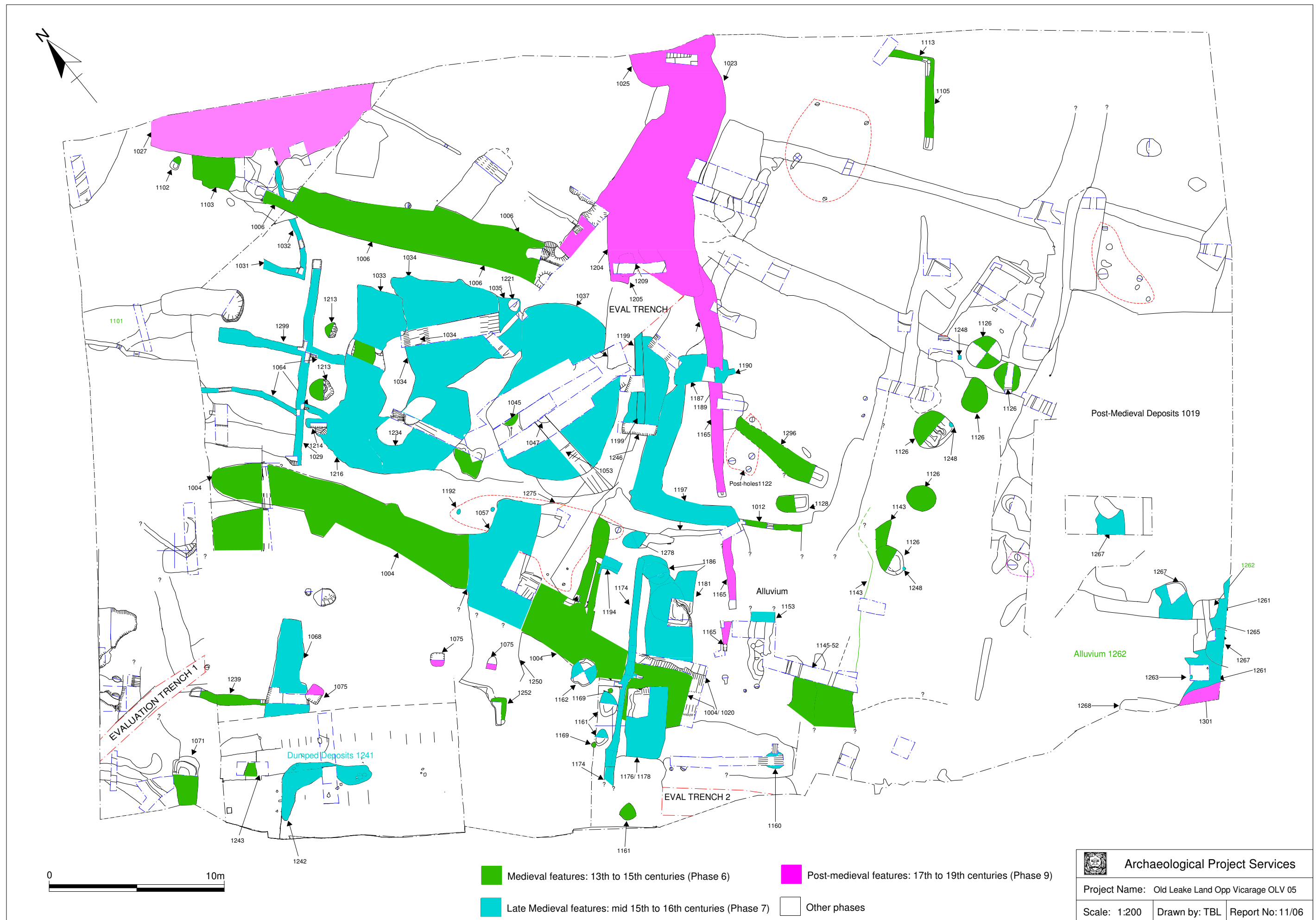


Fig. 5 Plan of Medieval, Late Medieval and Post-Medieval features

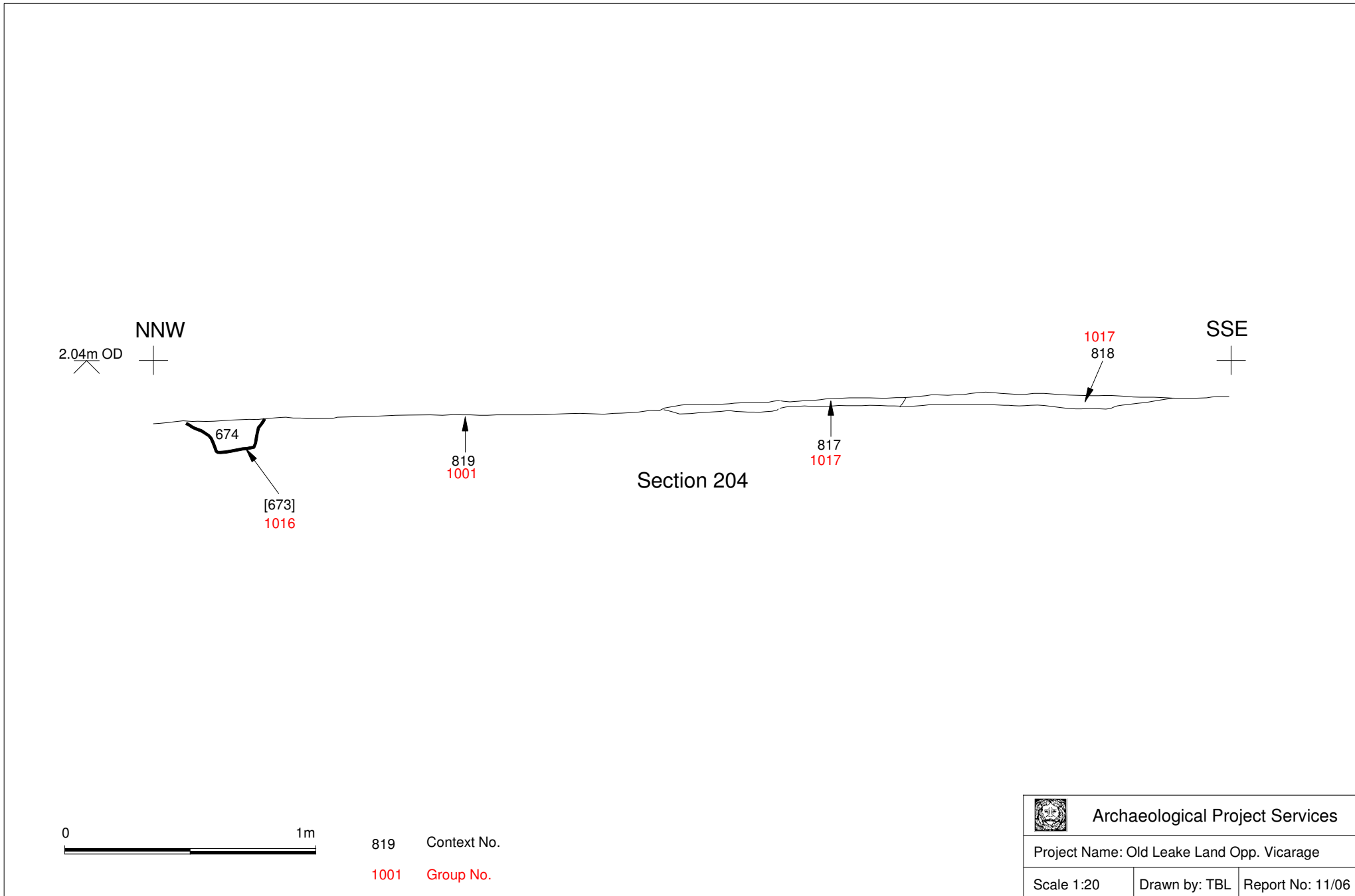


Figure 6 Section 204

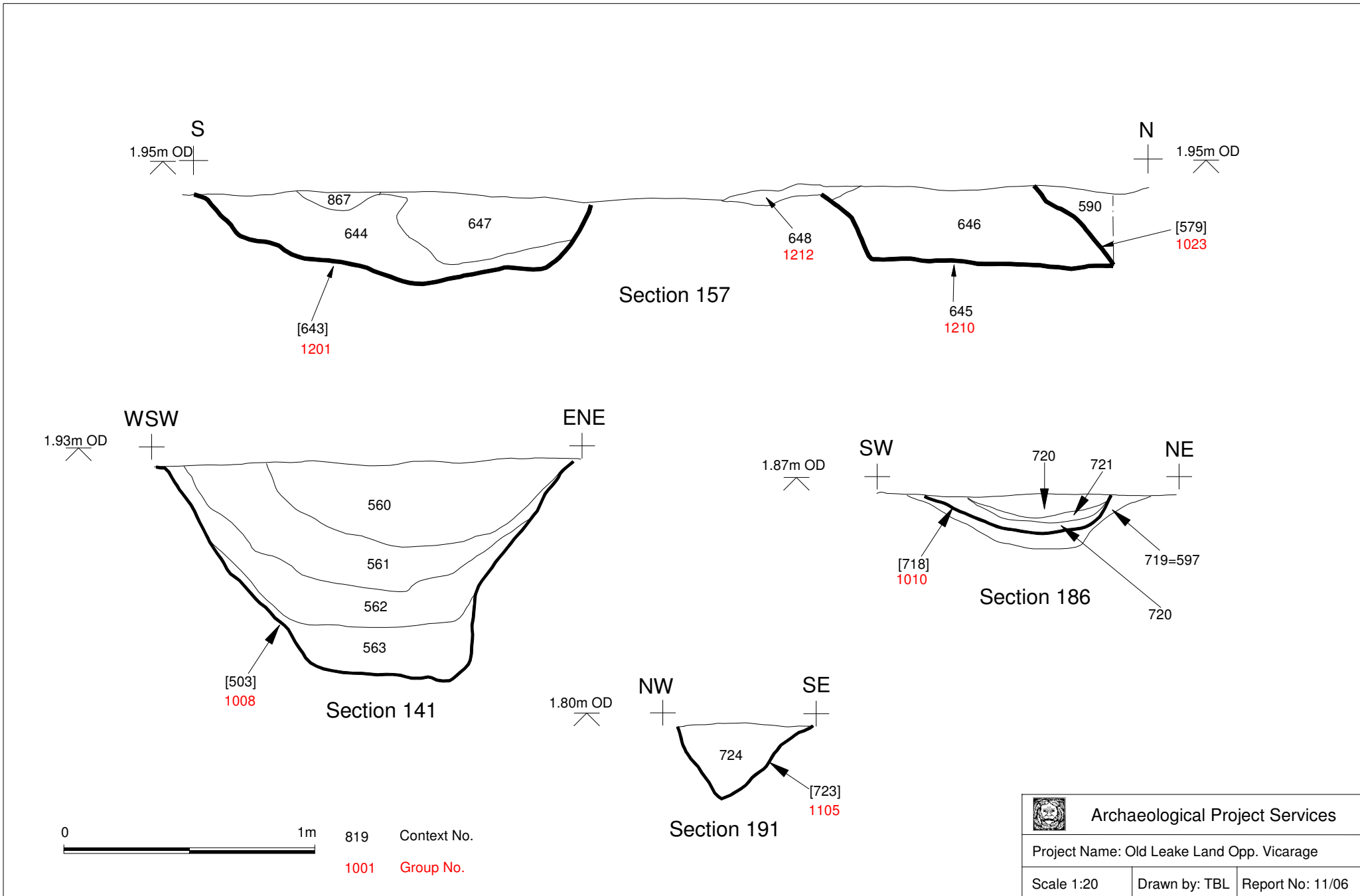



Figure 7 Sections 157, 141, 186 and 191

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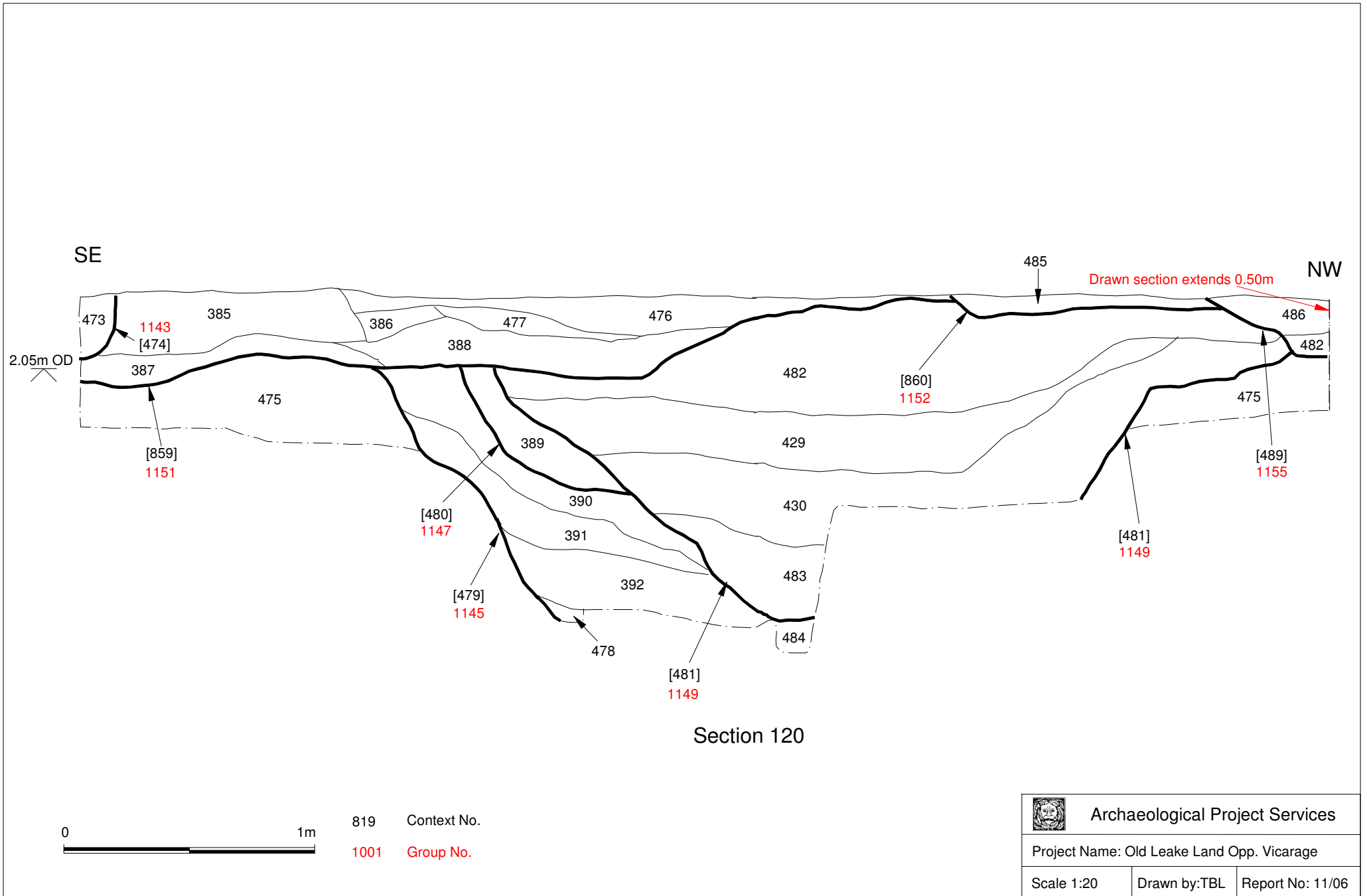
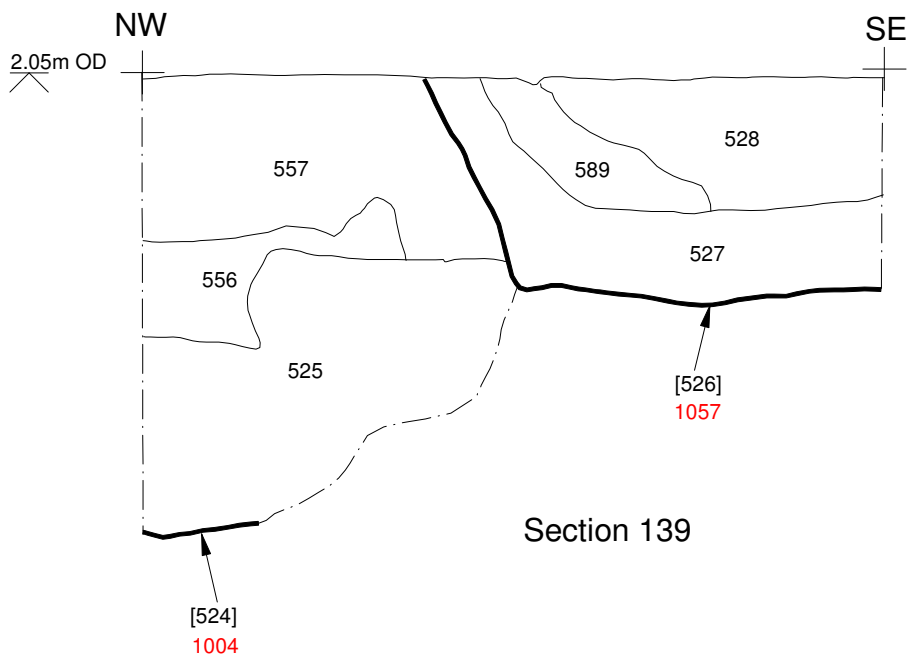
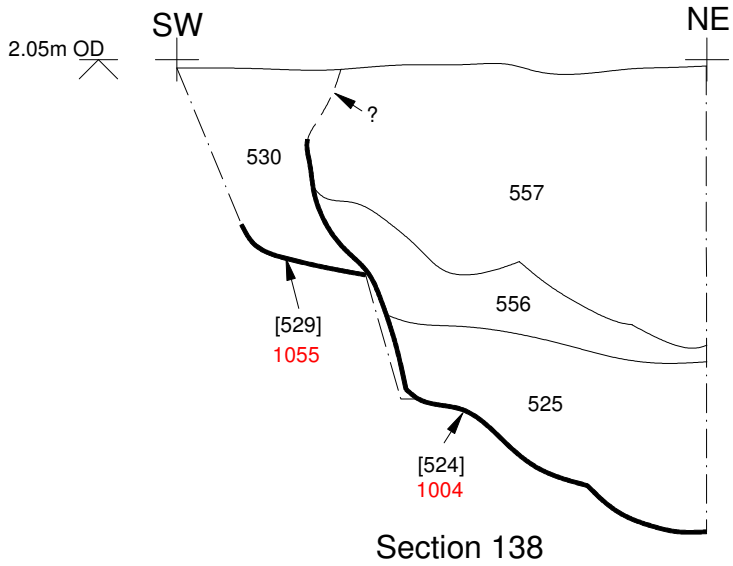


Figure 8 Section 120





819 Context No.  
1001 Group No.



Archaeological Project Services

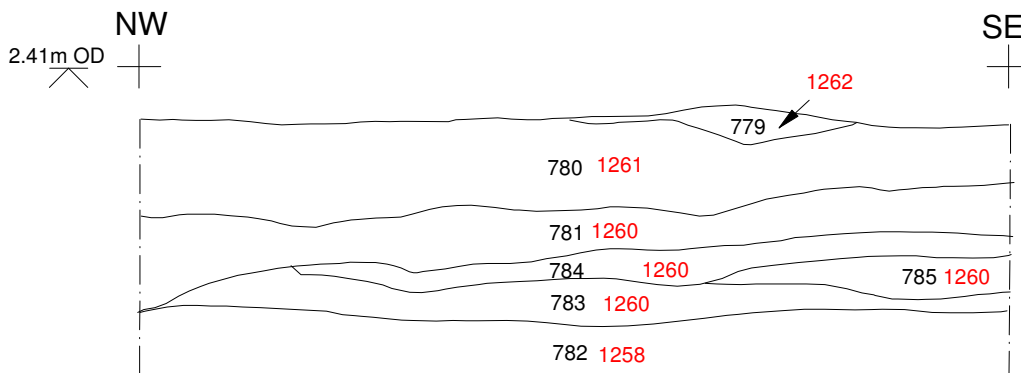
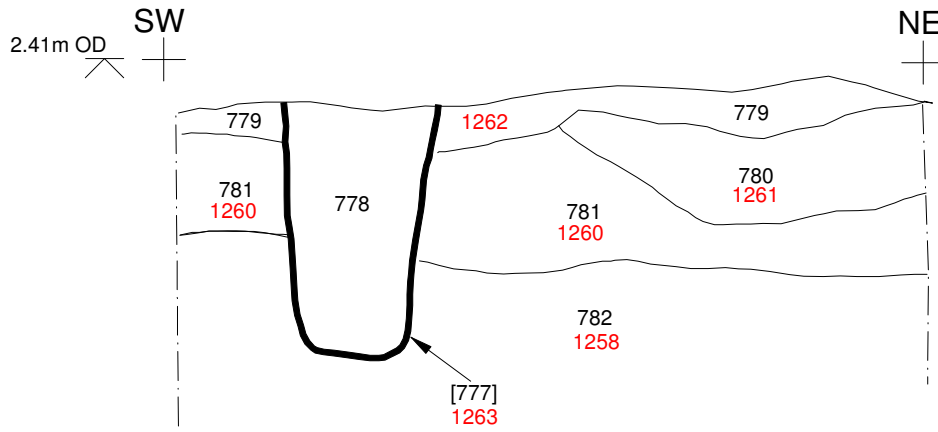
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Figure 9 Sections 138-9



819 Context No.  
 1001 Group No.



Archaeological Project Services

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Figure 10 Sections 207 and 208

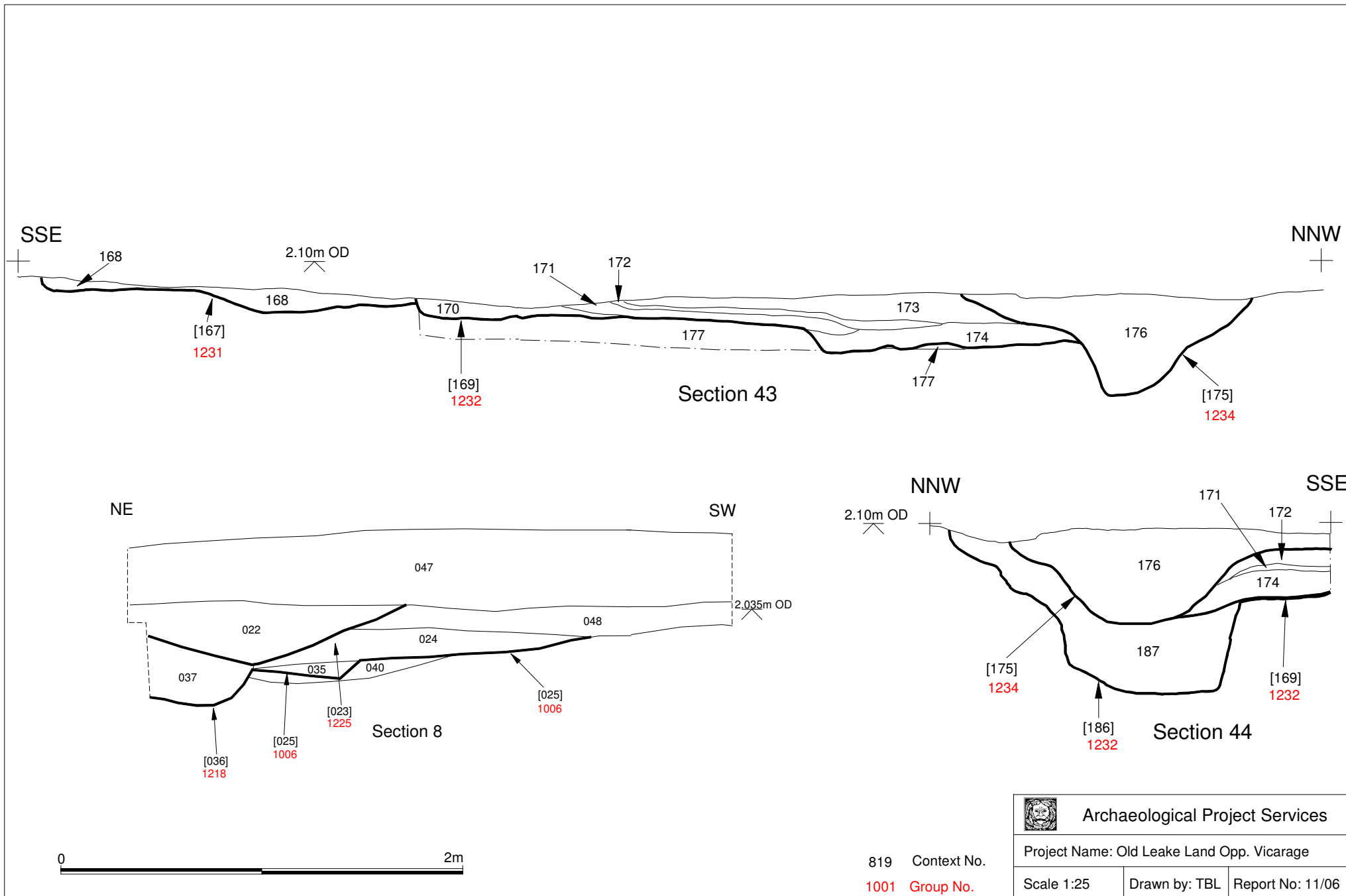



Figure 11 Sections 43-44

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819 Context No.  
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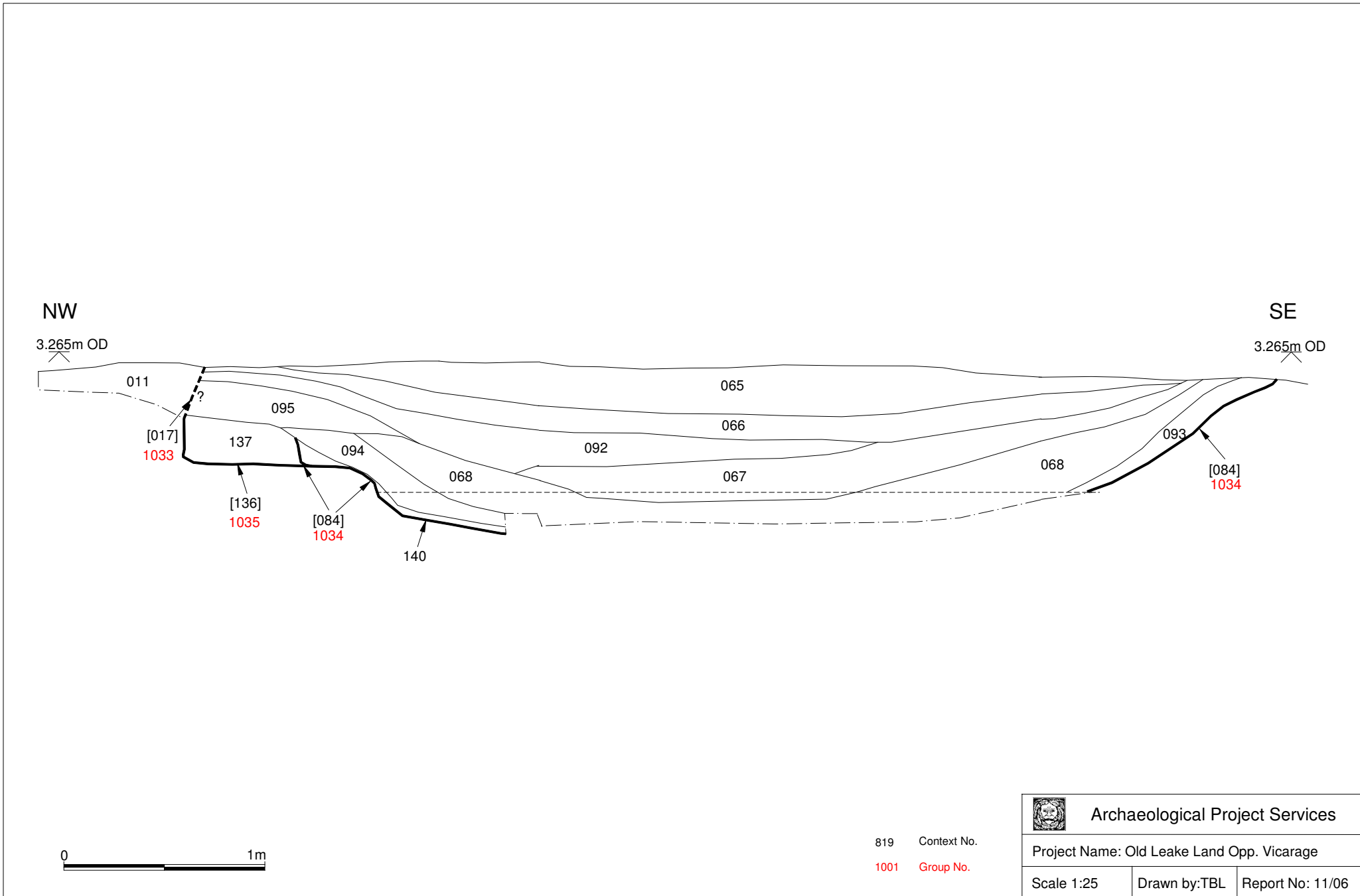
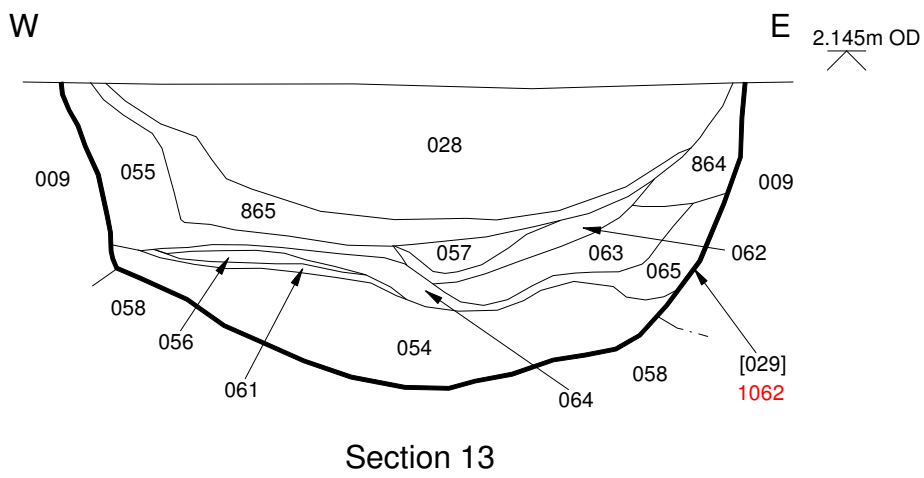
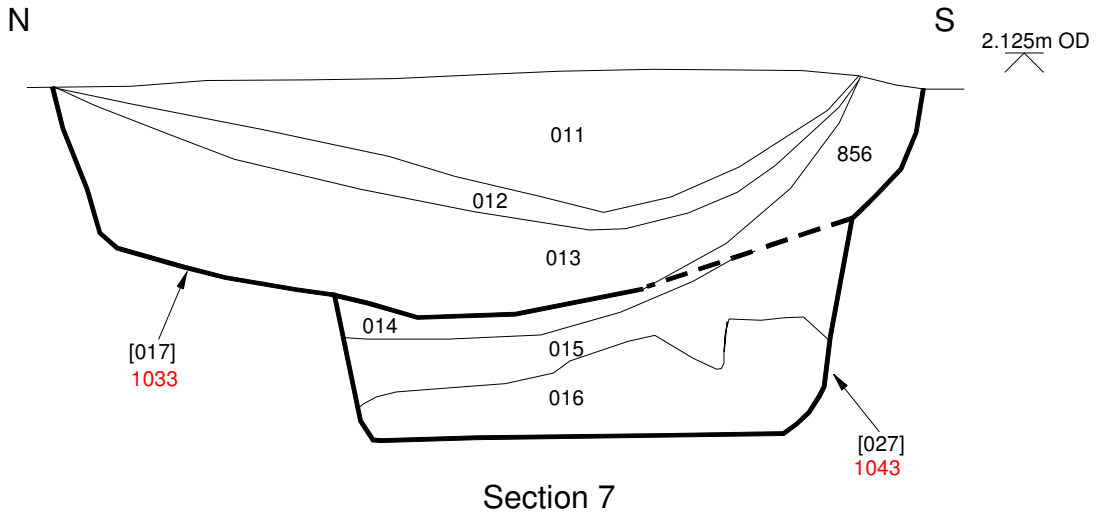


Figure 12 Section 19



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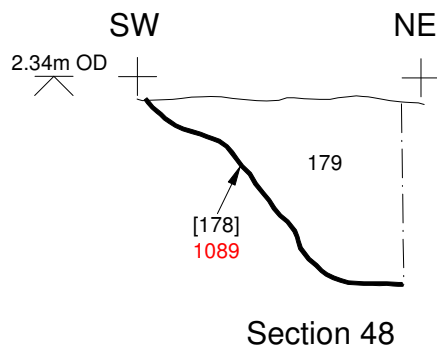
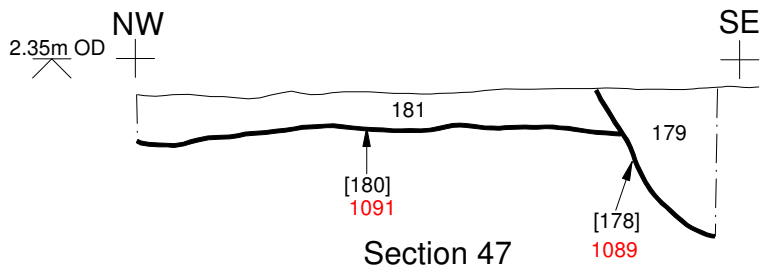
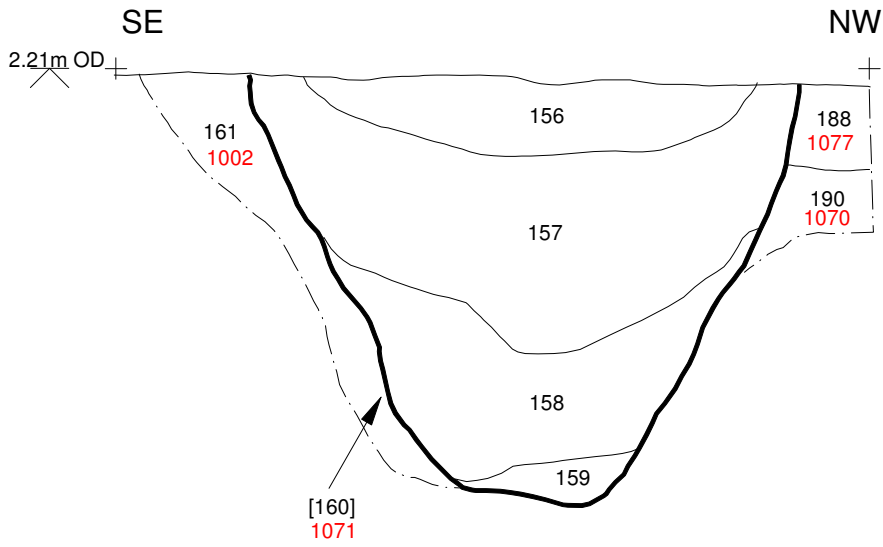
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Figure 13 Sections 7 and 13



819 Context No.  
1001 Group No.



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Project Name: Old Leake Land Opp. Vicarage

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Figure 14 Sections 45, 47 and 48

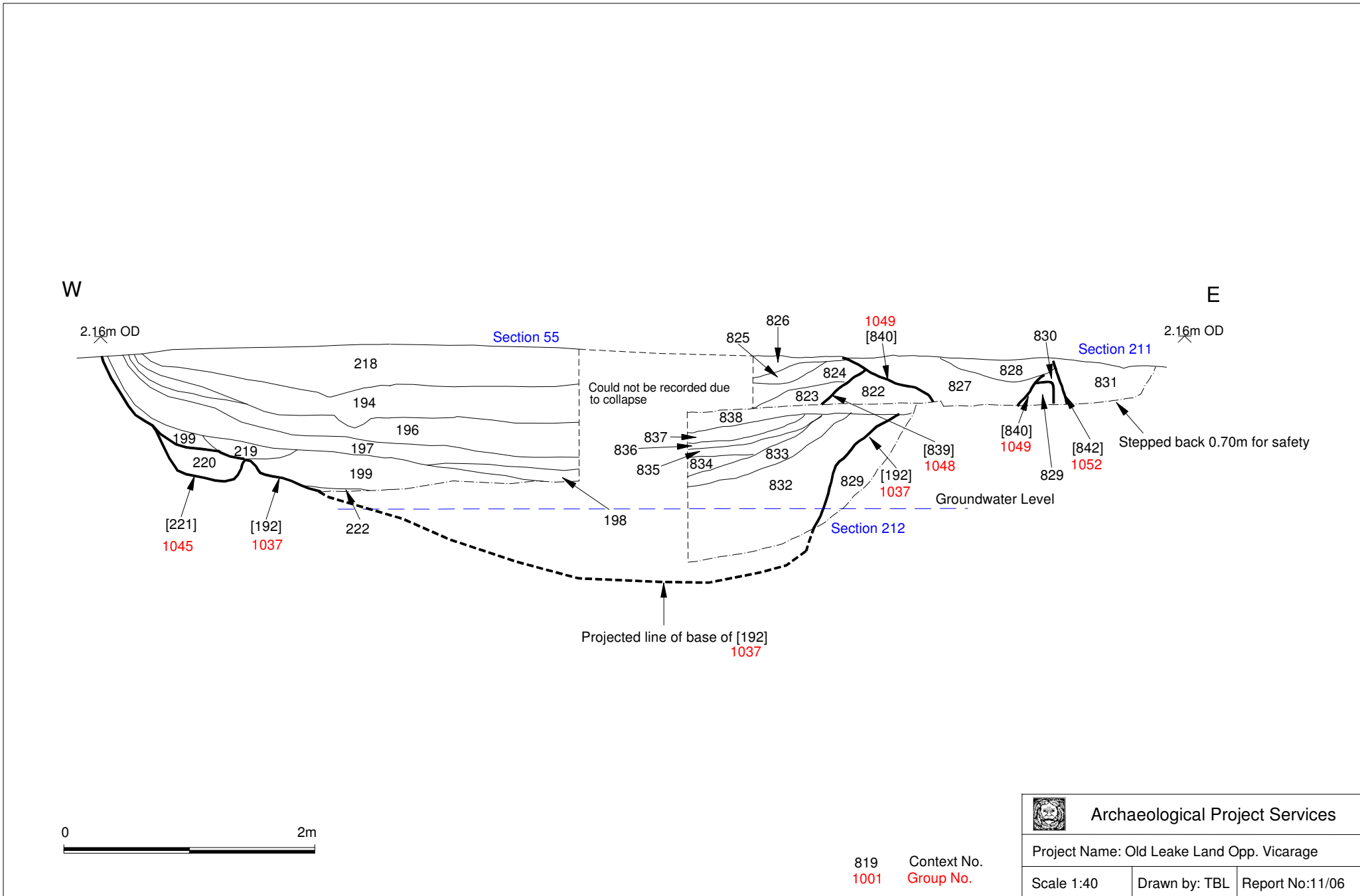
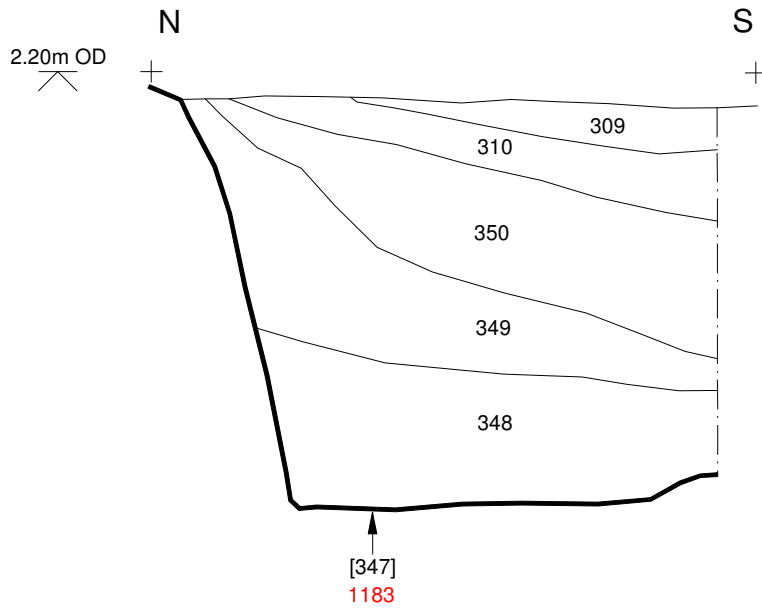
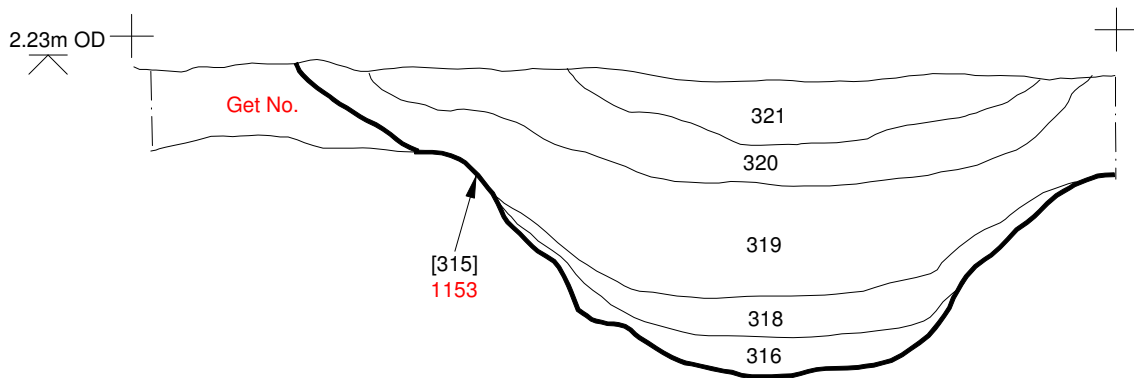


Figure 15 Extraction Pits [192] and [221], Sections 55, 211 and 212



Section 86



Section 119



819 Context No.  
1001 Group No.



Archaeological Project Services

Project Name: Old Leake Land Opp. Vicarage

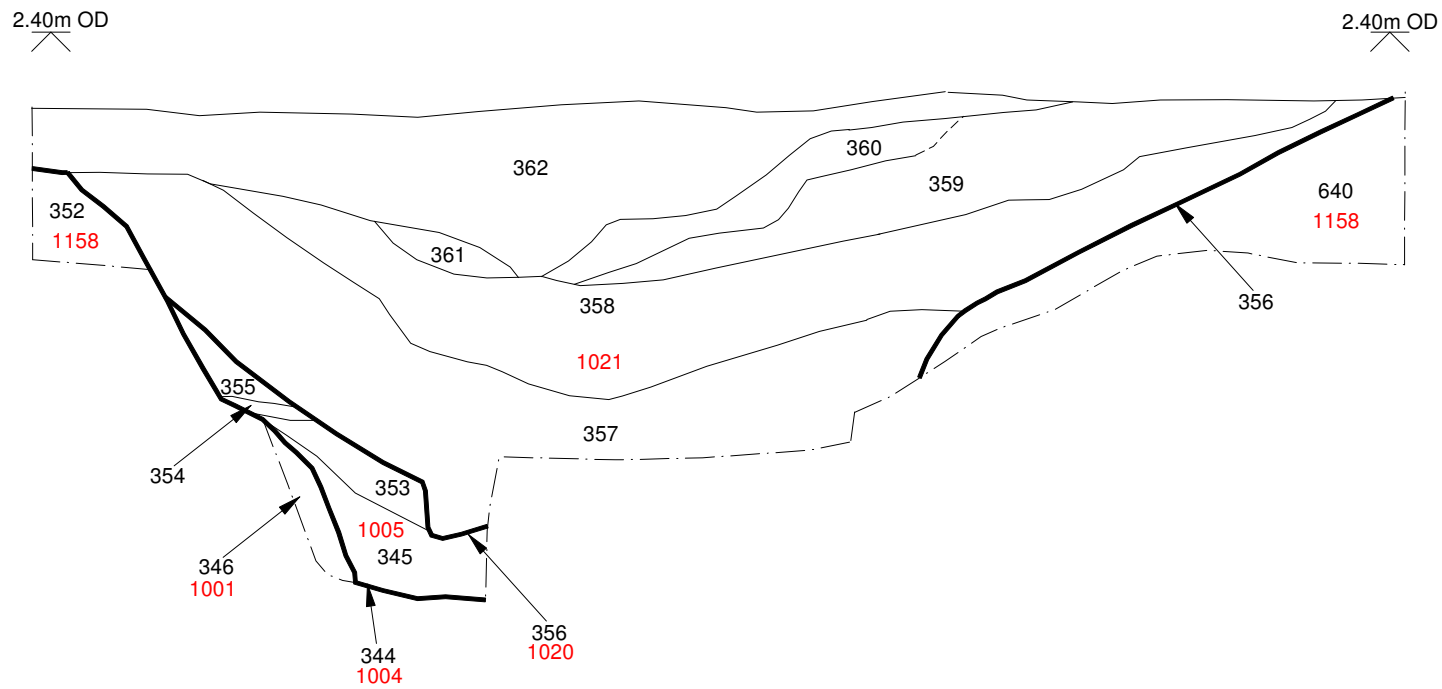
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Figure 16 Sections 86 and 119





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 1001 Group No.


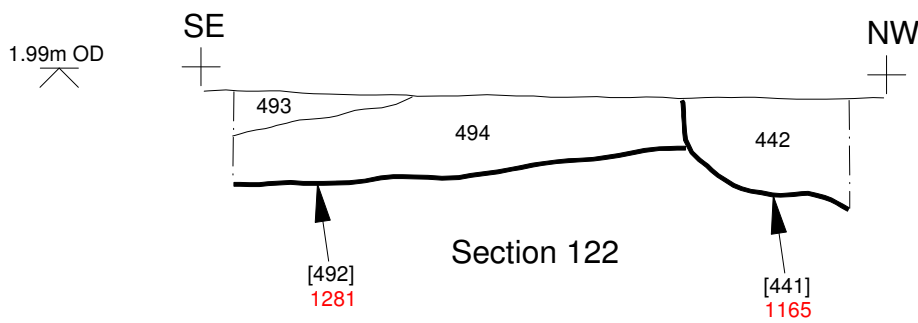
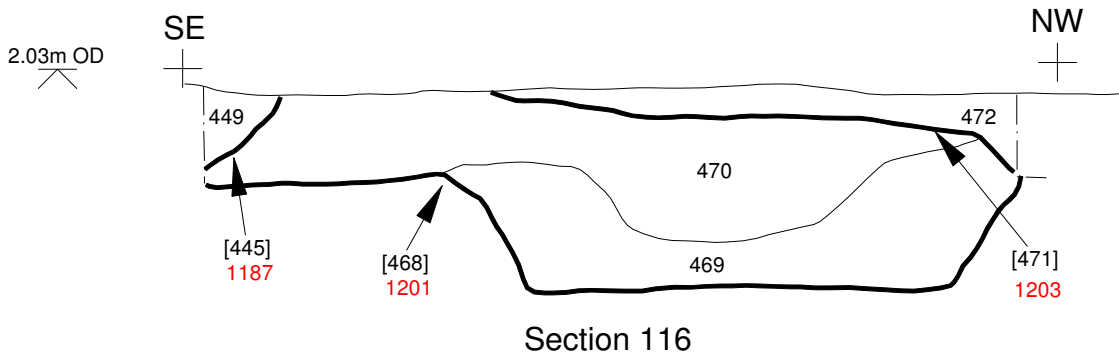
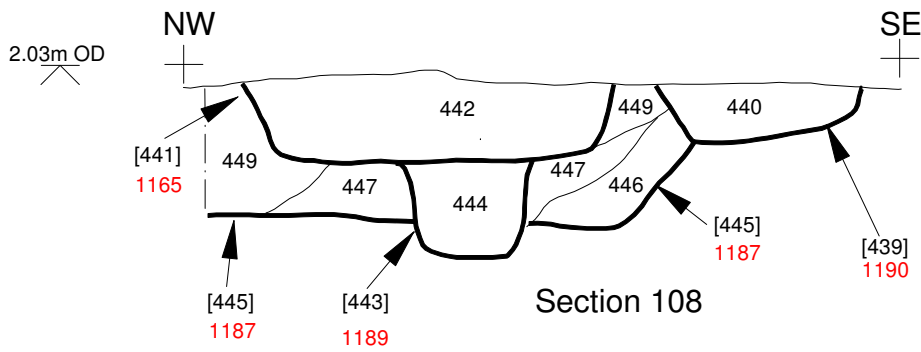
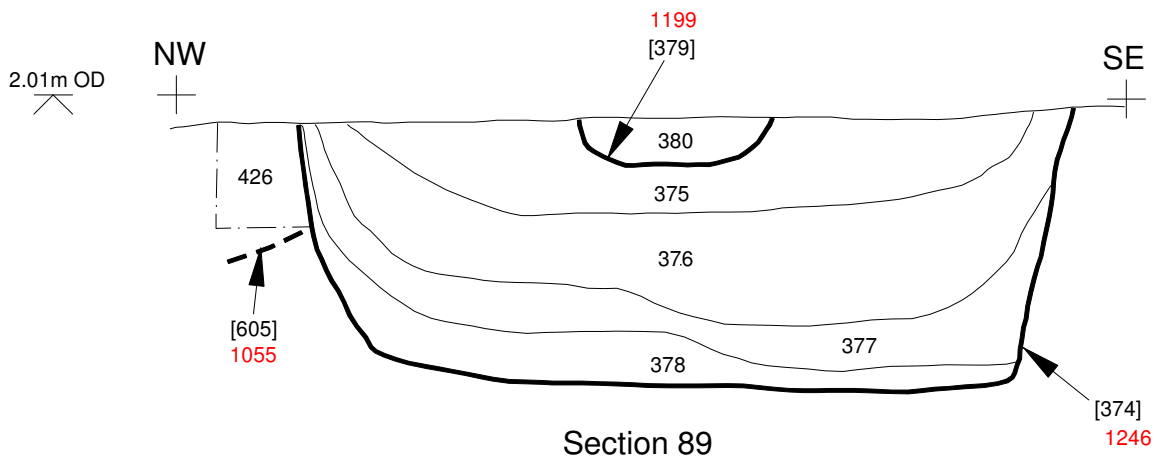
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Fig. 17 Section 85/148



819 Context No.  
1001 Group No.


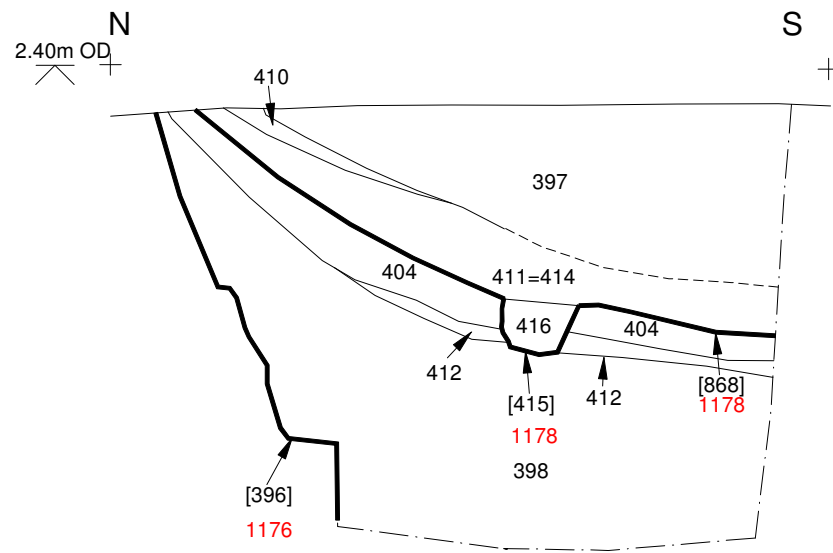
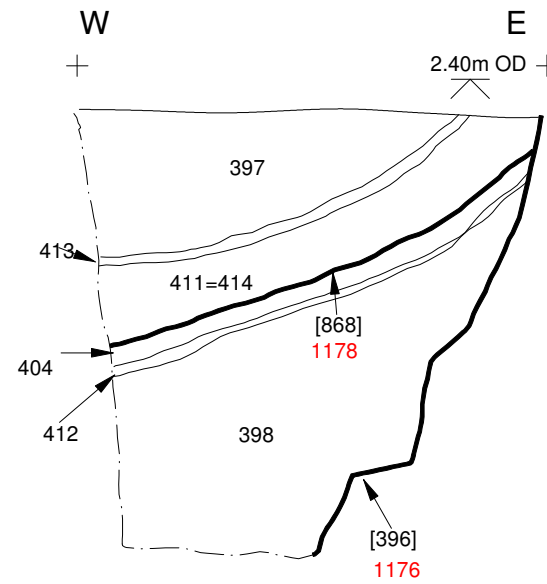
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Figure 18 Sections 89, 108, 116 and 122



Section 90



Section 91



819 Context No.  
1001 Group No.


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Figure 19 Sections 90 and 91

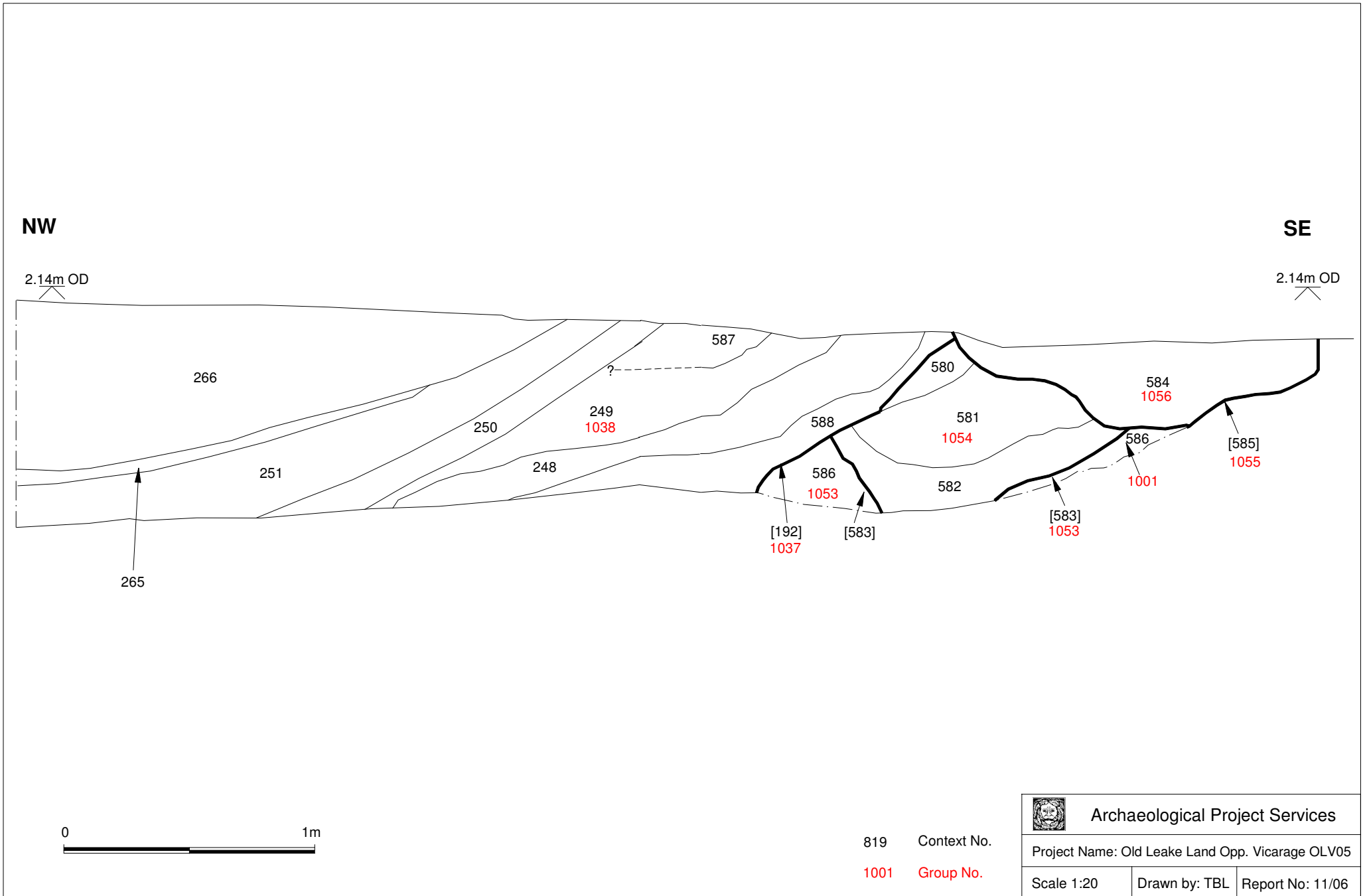
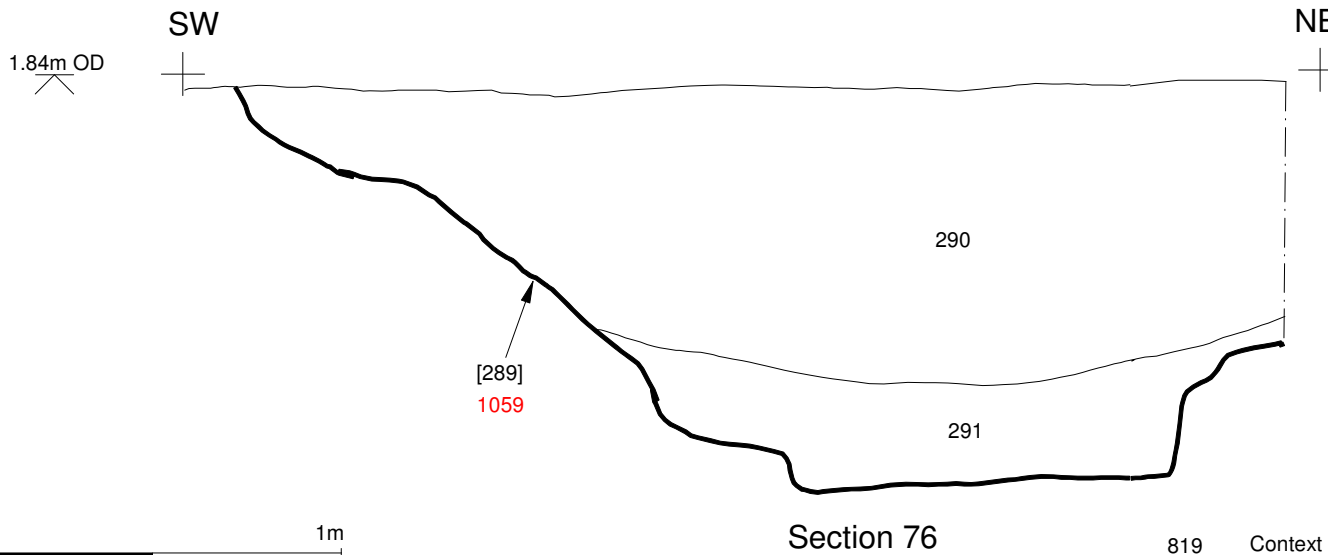
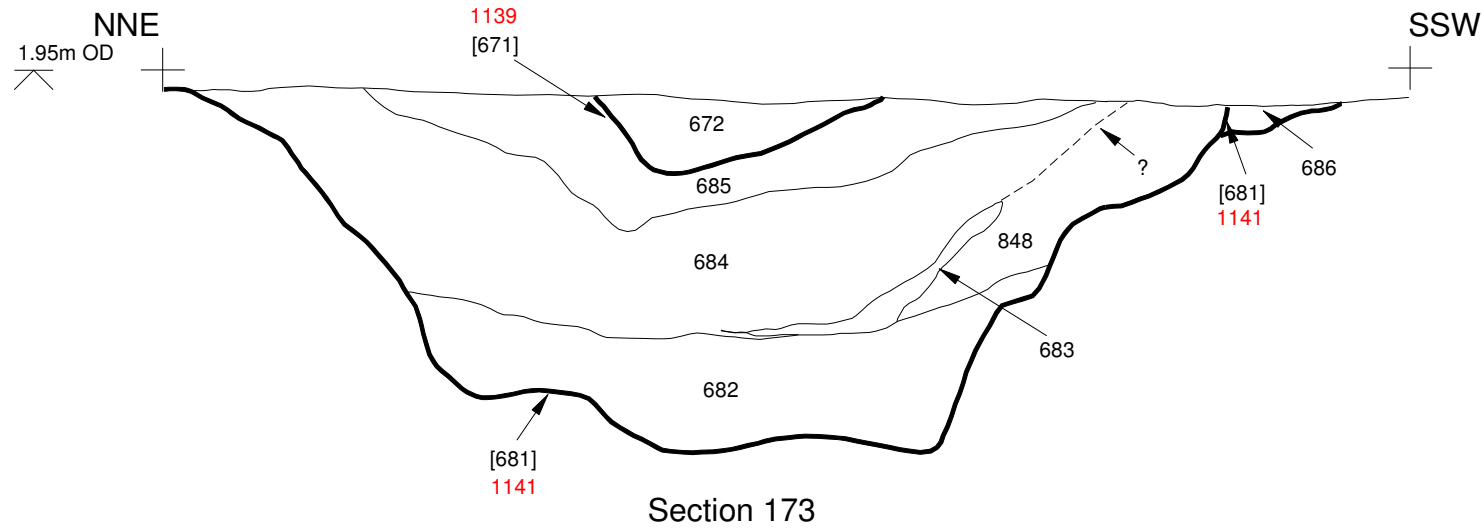


Fig. 20 Section 66/140



819 Context No.  
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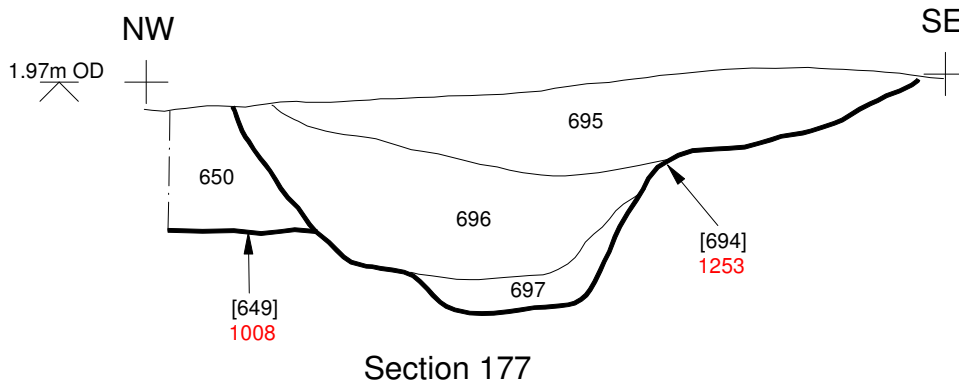
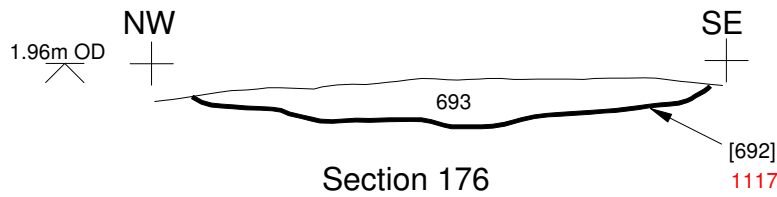
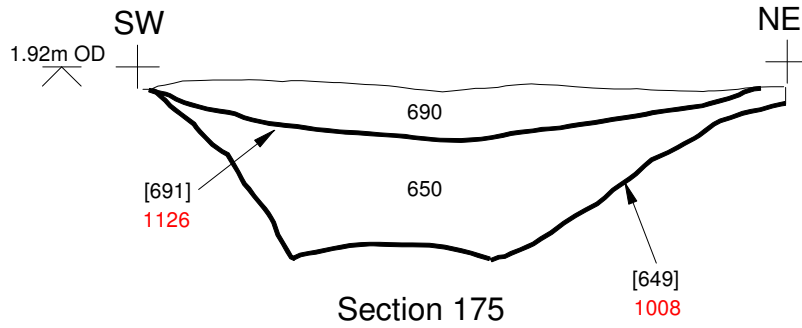
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Figure 21 Sections 173 and 76



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Archaeological Project Services

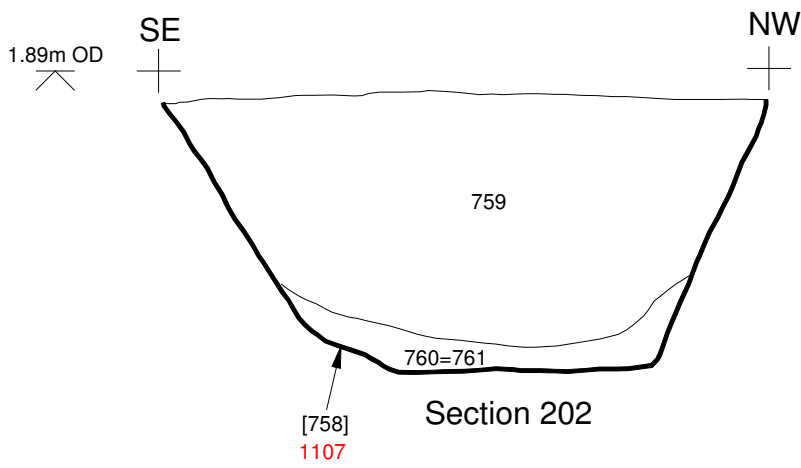
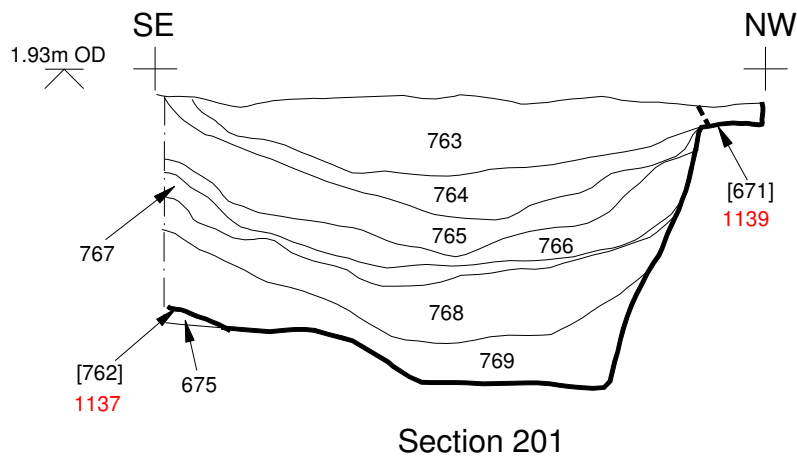
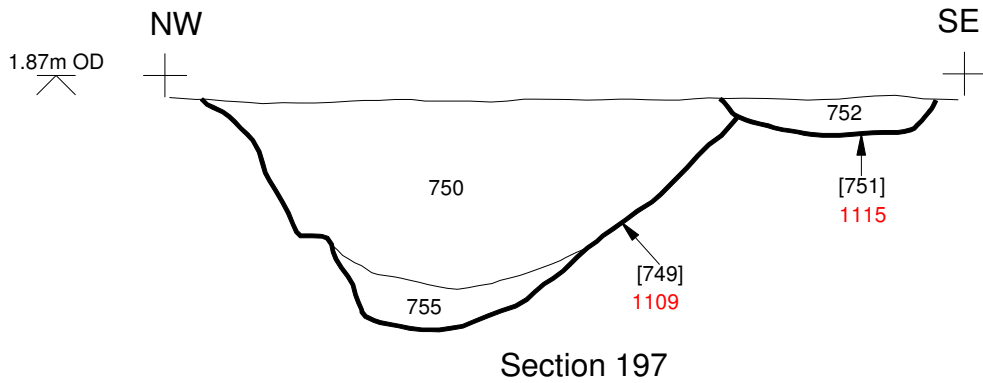
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Figure 22 Sections 175-7



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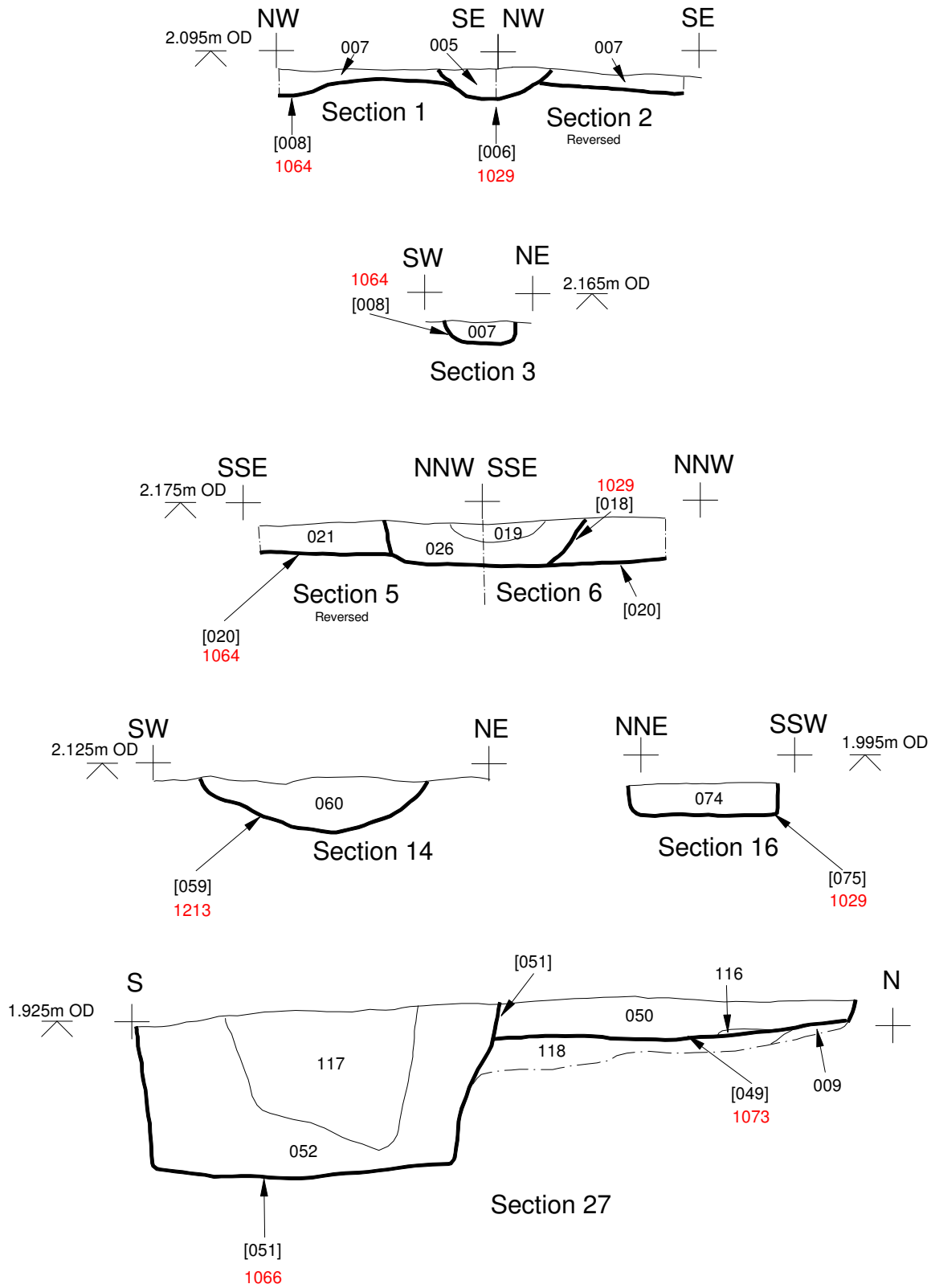
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Figure 23 Sections 197, 201 and 202



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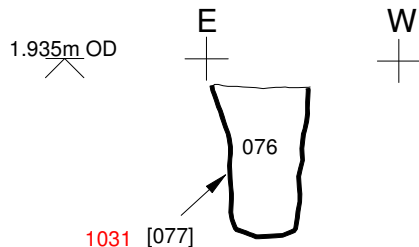
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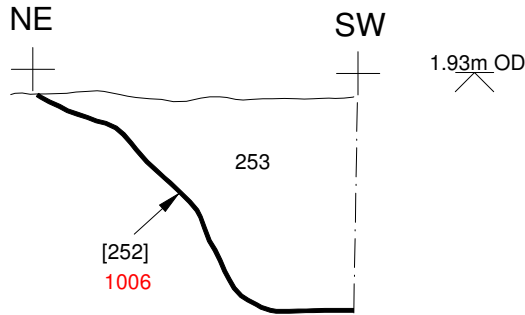
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Figure 24 Sections 1-3, 5-6, 14, 16 and 27

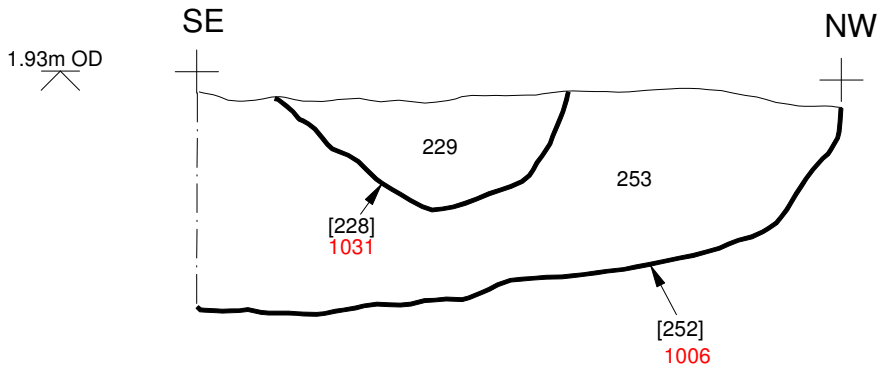




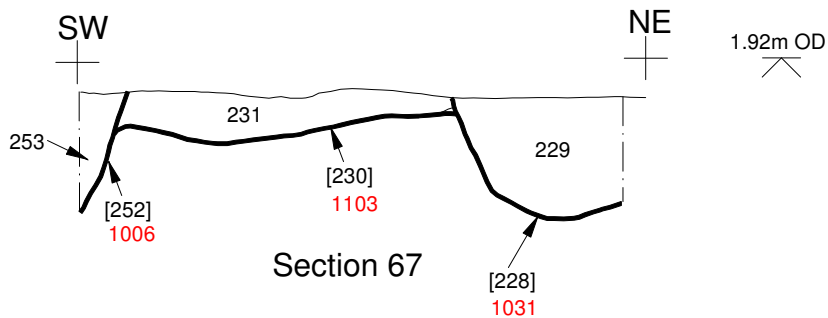
Section 17



Section 62



Section 63



Section 67



819 Context No.  
1001 Group No.


 <b>Archaeological Project Services</b>		
Project Name: Old Leake Land Opp. Vicarage		
Scale 1:20	Drawn by:TBL	Report No: 11/06

Figure 25 Sections 17, 62, 63 and 67



Plate 1 West facing view undated gully [1010] showing grey silty clay alluvium fill



Plate 2 Northeast facing view Late Saxon building [1016]



Plate 3 North facing view Saxo-Norman ditch [1008]



Plate 4 East facing view medieval ditch [1008]



Plate 5 South facing view medieval pit [1071]



Plate 6 South west facing view Section 207, showing medieval alluvium deposits 1258, 1260, 1261 and 1262 and late medieval post-hole [1263]



Plate 7 East facing view late medieval pit [1176]



Plate 8 North facing view Sections 211 and 212 showing eastern edge of late medieval pit [1037].



Plate 9 South facing view late medieval pit [1033]



Plate 10 Southeast facing view across late medieval pits [1033] and [1036]



Plate 11 Southeast facing pre-excavation view across late medieval pit [1037]



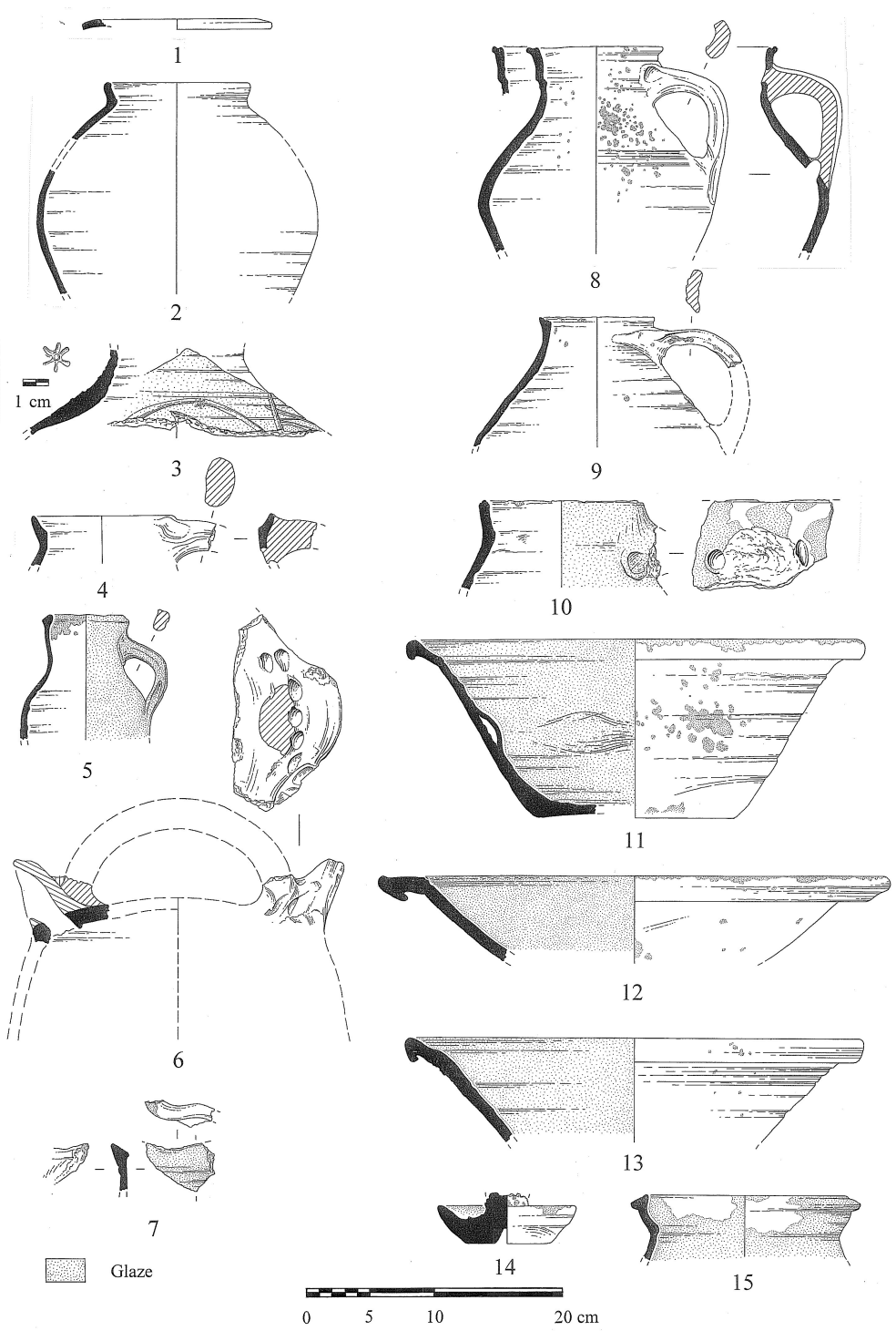
Plate 12 View of northeast corner of site under excavation

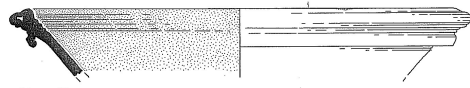


Plate 13 South facing view of site showing construction activity in progress within Area 1

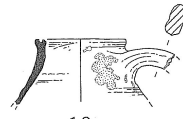


Plate 14 Northeast facing view across site

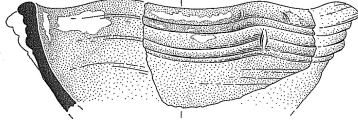




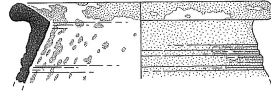
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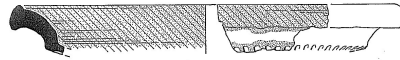
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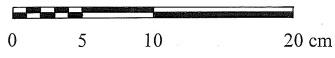
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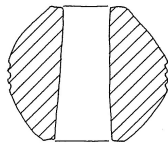
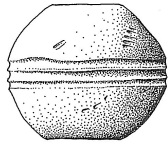
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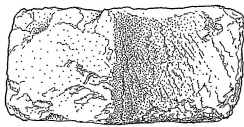


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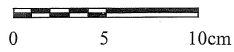


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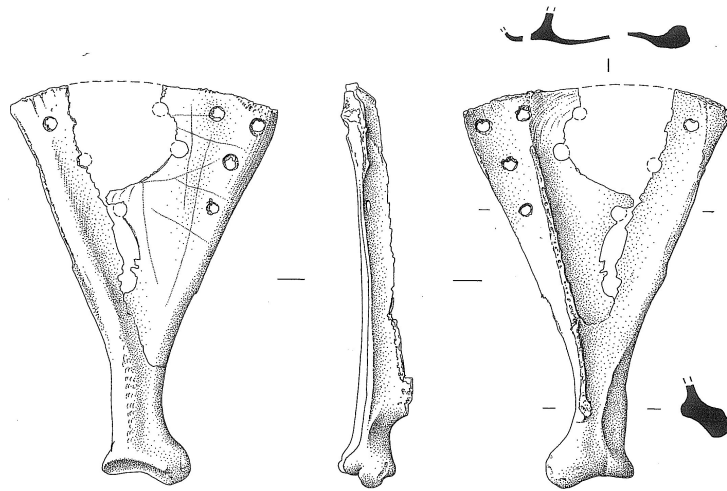
Spindle whorl



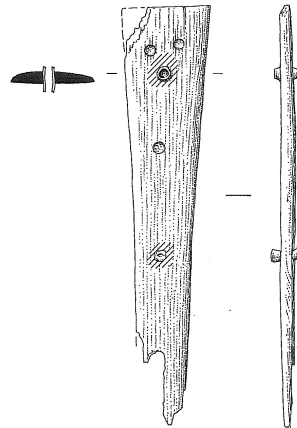
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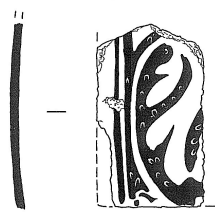
24 Strainer/scoop made from a sheep scapula



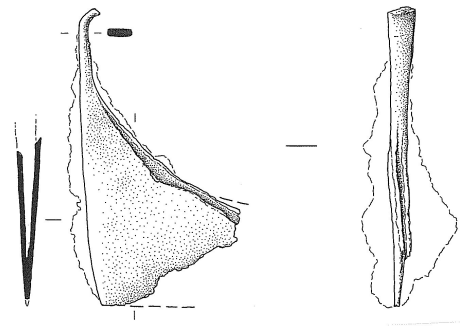
/// = Copper corrosion

25 Bone handle

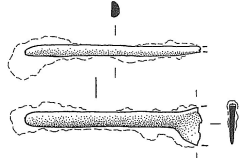




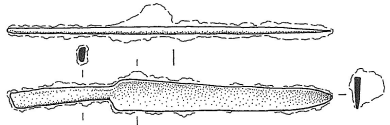
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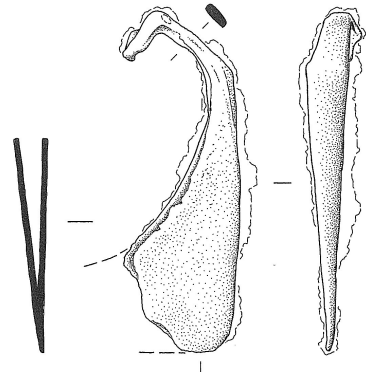
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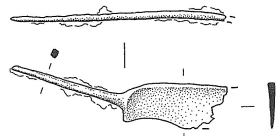
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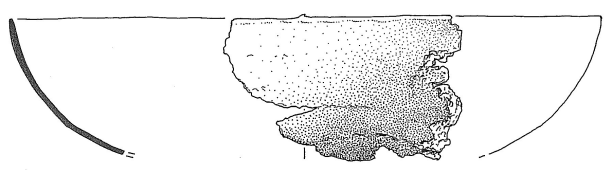
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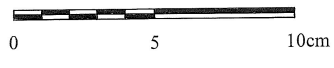
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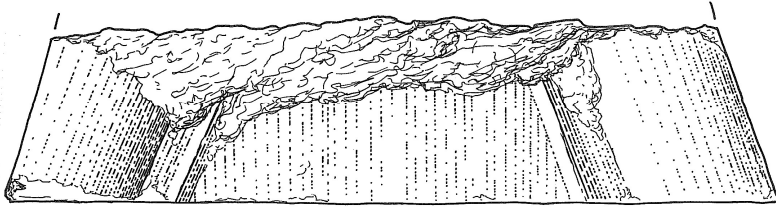


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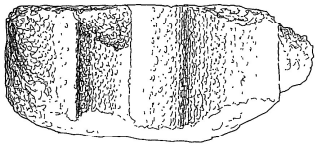
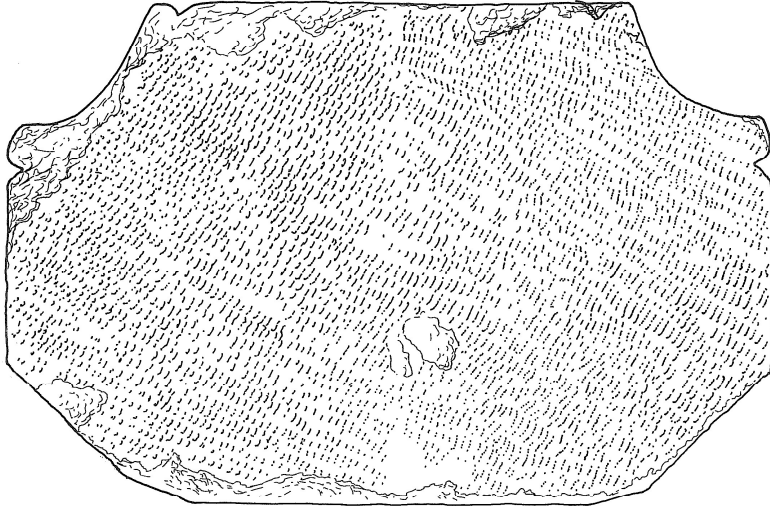


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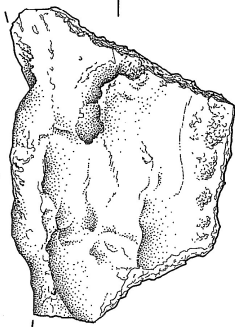
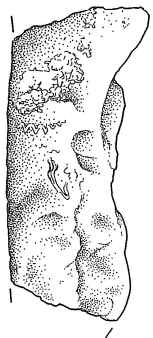
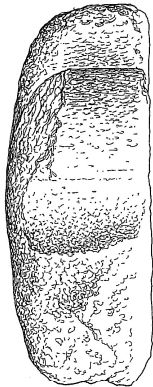
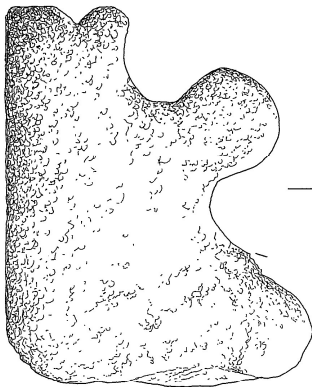
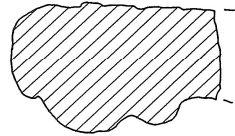


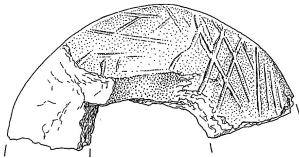
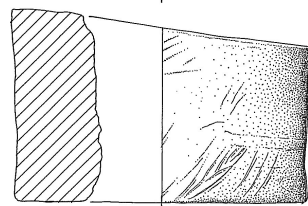
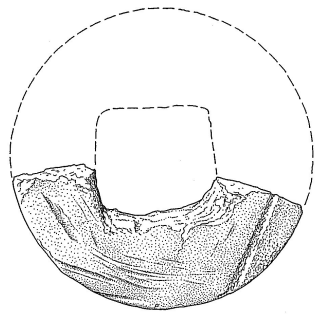
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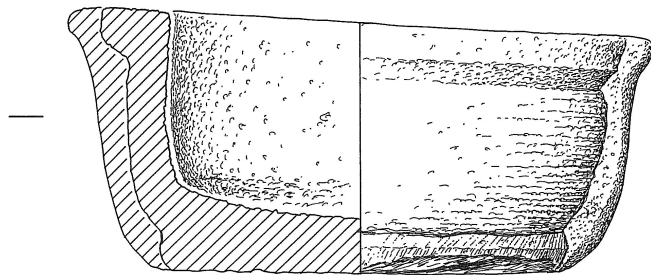
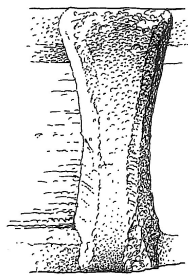
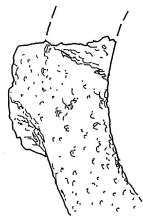
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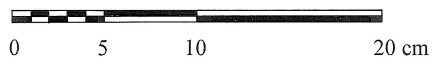


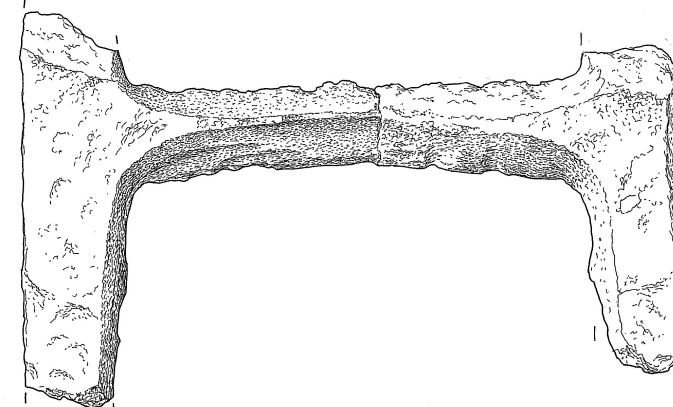
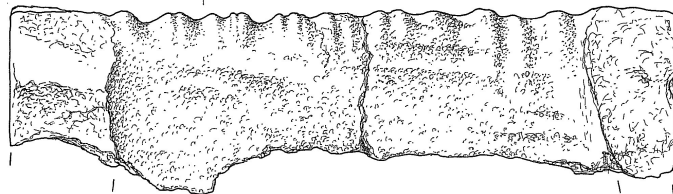
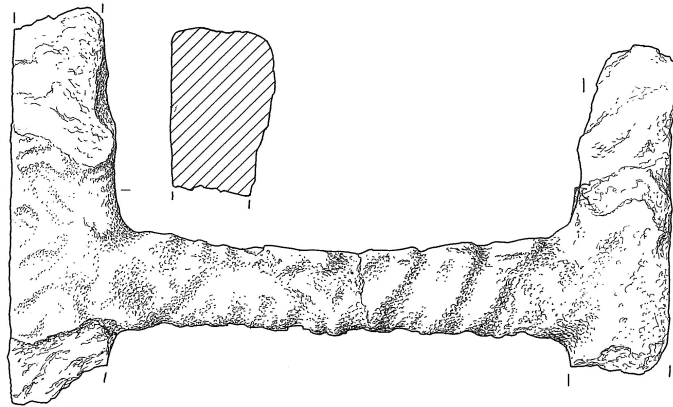


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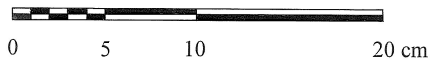


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## **Appendix 1**

### **LAND OPPOSITE THE VICARAGE, CHURCH ROAD, OLD LEAKE, LINCOLNSHIRE**

#### **SPECIFICATION FOR ARCHAEOLOGICAL INVESTIGATIONS PREPARED FOR BROADGATE HOMES LTD**

**BY  
ARCHAEOLOGICAL PROJECT SERVICES  
Institute of Field Archaeologists'  
Registered Organisation No. 21**

**SEPTEMBER 2004**

## **1 SUMMARY**

- 1.1 *A scheme of archaeological investigation is required prior to and during residential development at land opposite the Vicarage, Church Road, Old Leake, Lincolnshire.*
- 1.2 *The site lies in the historic core of Old Leake, close to the Norman and later church. Previous investigations at the site established that Late Saxon/Saxo-Norman remains including ditches, gullies and pits were concentrated on the western part of the area, extending toward the site centre. Medieval remains were also confined to the western part of the site, though post-medieval features occurred more extensively and randomly across the area. These remains generally occurred about 0.4m below current ground level and extended to about 1.6m deep.*
- 1.3 *An excavation of an area 40m x 80m alongside the southwest, street frontage side of the site, is required. The archaeological features exposed will be recorded in writing, graphically and photographically.*
- 1.4 *On completion of the fieldwork a report will be prepared detailing the results of the investigation. The report will consist of a narrative supported by illustrations and photographs.*

## **2 INTRODUCTION**

- 2.1 This document comprises a specification for an archaeological investigations prior to residential development of land opposite the Vicarage, Church Road, Old Leake, Lincolnshire.
  - 2.2 This document contains the following parts:
    - 2.2.1 Overview.
    - 2.2.2 Stages of work and methodologies.
    - 2.2.3 List of specialists.
    - 2.2.4 Programme of works and staffing structure of the project
-

### **3 SITE LOCATION**

- 3.1 Old Leake lies 8km northeast of Boston in the fenland of south Lincolnshire. The site is in the centre of the village, 100m north of the parish church, opposite the Vicarage on the northeast side of Church Road. The site is located at national grid reference TF 407 503. The site is an approximately square field of 0.8ha, with the points of the square set to the cardinal points, north, south, east and west.

### **4 PLANNING BACKGROUND**

- 4.1 The site has been the subject of a previous planning application (B16/0005/96) that was granted but which has lapsed. A further application (B/04/0504/OUTL) has recently been submitted for residential development of the site. Investigations have revealed that archaeological remains of Late Saxon to post-medieval date survive on site and it was a requirement of previous planning permission that the archaeological remains were preserved *in situ* or by record. The Boston Planning Archaeologist has determined that, due to the construction proposals, preservation *in situ* is not feasible and that an area of approximately 40m x 80m along the southwestern, road frontage, side of the site be excavated and has prepared a brief for said investigation. This specification is in response to that brief.

### **5 SOILS AND TOPOGRAPHY**

- 5.1 The site lies at approximately 4m OD on predominantly level ground, with a slight incline toward the northeast, with a slight, wide depression in the northwest corner and a slight elevation in the southwest corner. Local soils are peilo-alluvial gleys of the Wallasea/Wisbech Series developed in marine alluvium (Robson 1985). Beneath this is glacial drift that in turn overlies Jurassic clays (BGS 1995).

### **6 ARCHAEOLOGICAL OVERVIEW**

- 6.1 The site lies at the historic centre of the village, 100m north of the parish church of St. Mary which contains Norman elements with 13<sup>th</sup>-15<sup>th</sup> century additions (Pevsner and Harris 1989, 593-4). Surrounding the church is a ditch known as the 'moat'. Old Leake is recorded in the Domesday Book of 1086 which indicates the existence of the settlement in the Late Saxon period. Domesday records there were 41 salt houses in the parish.
- 6.2 Scatters of Late Saxon and medieval pottery have been found immediately to the northwest, and post-medieval ceramics have been recovered about 100m to the southwest. An area of dyings, medieval agricultural earthworks with drainage ditches, lies to the east and north of the proposed development site. It has been claimed, but without verification, that the village post office, 60m southeast of the site, incorporates remains of a late medieval/early post-medieval building.
- 6.3 Previous archaeological investigations at the site included fieldwalking, geophysical survey and trial trenching. The fieldwalking recovered a thin spread of Late Saxon and Saxo-Norman pottery from the western half of the site. Medieval pottery was slightly more abundant but still thin, and fairly evenly distributed across the area, with no obvious clustering. By contrast, post-medieval was abundant, and was concentrated in proximity to the Church Road frontage. Geophysical survey of the area identified a group of discrete magnetic anomalies that could be pits. These occurred across the centre of the area and appear to form a linear group extending broadly east-west. Additionally, linear features that are probably ditches were revealed. These appear to be part of a rectilinear field system and are mostly aligned approximately north-south or east-west. This

system seems to be truncated by Church Road, which is aligned northwest-southeast (Palmer-Brown 1996a).

- 6.4 Trial trenching of the site involved the excavation of seven trenches, positioned to provide sample coverage of the area, examine geophysical anomalies and test blank areas on the geophysical survey. Five of the seven trenches contained abundant archaeological remains. The remaining two trenches, Trench 5 toward the eastern corner of the site, and Trench 6 by the northern corner, were largely devoid of archaeological remains, though 5 contained an animal burial of apparently recent date and 6 exposed a recently-backfilled pond.
- 6.5 The remaining trenches revealed ditches, gullies, pits and other features. These remains were generally revealed about 0.4m below the current ground surface, beneath ploughsoil. Structural remains were few, limited to two postholes, one of them alongside a gully and probably forming a ditch and fence boundary. Localisation was evident in the archaeological remains, with the Late Saxon features being revealed in Trenches 1 and 4, in the western corner of the site, extending to Trench 3 in the site centre. The great majority of the Late Saxon and Saxo-Norman pottery was recovered from Trenches 1 and, to a lesser extent, 4. Only a small quantity (7 sherds) of Late Saxon/Saxo-Norman pottery was retrieved from Trench 3. Additionally, 2 pieces of pottery of this period were recovered from Trench 2 and 1 each from Trenches 5 and 7, emphasising the western bias of the Saxo-Norman activity.
- 6.6 Medieval remains were similarly restricted in extent, identified only in Trenches 1 and 4 in the western corner of the site. Artefacts of this period were fairly evenly distributed between the trenches, though there were only 2 medieval pottery sherds from Trench 5, and none from Trench 6.
- 6.7 Post-medieval remains are more dispersed, occurring in Trenches 2, 3, 4 and 7. They are absent from the remaining trenches and only one post-medieval pottery sherd was recovered from Trench 5, and none from Trenches 1 and 6.
- 6.8 Other than in the recently infilled pond in Trench 6, there was no evidence of waterlogged organic preservation, though environmental/organic remains survived through charring and were noted throughout much of the site (Palmer-Brown 1996b).
- 6.9 All the archaeological remains, of the different periods, were exposed beneath the present ploughsoil at a depth of about 0.4m below current ground surface, and generally extended to a maximum depth of about 1.6m below ground level, occasionally deeper.
- 6.10 A single fragment of Roman pottery was retrieved. A further piece of Roman pottery was recovered during an investigation immediately to the northwest. However, both artefacts were redeposited and there is no evidence for Roman deposits at the site or nearby (*ibid*; Archaeological Project Services 2004).

## **7 AIMS AND OBJECTIVES**

- 7.1 The aim of the work will be to preserve by record the archaeology in the southwestern part of the development, as specified by the Boston Planning Archaeologist.
- 7.2 The objectives of the work will be to:
- 7.0.1 Establish the type of archaeological activity that may be present within the defined



investigation area of the site.

- 7.0.2 Excavate archaeological features present within the defined investigation area of the site.
- 7.0.3 Interpret archaeological features present within the defined investigation area of the site.
- 7.0.4 Determine the spatial arrangement of the archaeological features present within the defined investigation area of the site.
- 7.0.5 Determine the way in which the archaeological features identified fit into the pattern of occupation and land-use in the surrounding landscape.
- 7.0.6 Determine the date and function of the archaeological features present on the site.

## 8 SITE OPERATIONS

### 8.1 General considerations

- 8.1.1 All work will be undertaken following statutory Health and Safety requirements in operation at the time of the investigation.
- 8.1.2 The work will be undertaken according to the relevant codes of practise issued by the Institute of Field Archaeologists (IFA), under the management of a Member of the institute (MIFA). Archaeological Project Services is IFA registered organisation no. 21.
- 8.1.3 Any and all artefacts found during the investigation and thought to be 'treasure', as defined by the Treasure Act 1996, will be removed from site to a secure store and promptly reported to the appropriate coroner's office.

### 8.2 Methodology

- 8.2.1 Area excavation will be undertaken over a 40m wide area along the full 80m length of the southwest side of the site, adjacent to the Church Road frontage.
- 8.2.2 Removal of the overburden will be undertaken by mechanical excavator, under archaeological supervision. On completion of the removal of the overburden, the nature of the underlying deposits will be assessed by hand excavation before any further mechanical excavation that may be required. Thereafter, the area will be cleaned by hand to enable the identification and analysis of the archaeological features exposed.
- 8.2.3 The excavation area will be fully cleaned by hand except where it is clear from observation during machining that no archaeological remains exist.
- 8.2.4 Investigation of the features will be undertaken as far as required to determine their date, form and function. All pre-modern negative features will be sectioned where possible to do so. In general, this will involve the following:
  - 8.2.4.1 Linear features (ditches/gullies) - all intersections, bifurcations, entrances, terminals will be excavated and 10% of the lengths examined in evenly-spaced

cross-sections.

- 8.2.4.2 Pits - half-sectioning of individual pits and pits within groups; except where pits contain remains or evidence of particular importance. Examples of pits of particular importance would include those containing animal bone assemblages indicative of tanning, antler working or commercial butchery; crucibles, or quantities of apparently 'primary refuse'.
- 8.2.4.3 Structural remains of timber or stone buildings, represented by postholes, beamslots, stone building walls and surviving floors will be fully excavated where forming a clearly defined structure, or part thereof.
- 8.2.4.4 Deposits of special significance, for example industrial deposits, closely stratified artefact assemblages, significant ecofact or environmentally-rich deposits, will be fully excavated.
- 8.2.5 The archaeological features encountered will be recorded on Archaeological Project Services pro-forma context record sheets. The system used is the single context method by which individual archaeological units of stratigraphy are assigned a unique record number and are individually described and drawn.
- 8.2.5 An overall site plan will be produced at a scale of not less than 1:20. Plans of features will be drawn at a scale of 1:20 and sections at a scale of 1:10. Should individual features merit it, they will be drawn at more appropriate scale.
- 8.2.6 Throughout the duration of the investigation a photographic record consisting of black and white prints (reproduced as contact sheets) and colour slides will be compiled. The photographic record will consist of:
  - 8.2.6.1 the site before the commencement of field operations.
  - 8.2.6.2 the site during work to show specific stages of work, and the layout of the archaeology within the area.
  - 8.2.6.3 individual features and, where appropriate, their sections.
  - 8.2.6.4 groups of features where their relationship is important.
  - 8.2.6.5 the site on completion of fieldwork
- 8.2.7 Any finds recovered will be bagged and labelled for later analysis.
- 8.2.8 Should human remains be located the appropriate Home Office licence will be obtained before their removal. In addition, the Local Environmental Health Department, coroner and the police will be informed, as appropriate.
- 8.1.9 The precise location of the investigation area, and the location of site recording grid, will be established by an EDM survey. The site recording grid will be related to the Ordnance Survey national grid. Levels to OS datum will be taken on the excavated areas and features.

## 9 ENVIRONMENTAL ASSESSMENT

- 9.1 During the investigation specialist advice will be obtained from an environmental archaeologist. The specialist will visit the site to advise on the nature of the environmental material present and appropriate sampling strategies.
- 9.2 If required, scientific advice will be sought from an appropriate specialist or the English Heritage regional scientific advisor.

## 10 POST-EXCAVATION

### 10.1 Stage 1

- 10.1.1 On completion of site operations, the records and schedules produced during the investigation will be checked and ordered to ensure that they form a uniform sequence forming a level II archive. A stratigraphic matrix of the archaeological deposits and features present on the site will be prepared. All photographic material will be catalogued and labelled, the labelling referring to schedules identifying the subject/s photographed.
- 10.1.2 All finds recovered during the fieldwork will be washed, marked and packaged according to the deposit from which they were recovered. Any finds requiring specialist treatment and conservation will be sent to the Conservation Laboratory at the City and County Museum, Lincoln.

### 10.2 Stage 2

- 10.2.1 Detailed examination of the stratigraphic matrix to enable the determination of the various phases of activity on the site.
- 10.2.2 Finds will be sent to specialists for identification and dating.

### 10.3 Stage 3

- 10.3.1 On completion of stage 2, a report detailing the findings of the investigation will be prepared.
- 10.3.2 This will consist of:

A non-technical summary of the results of the investigation.

A description of the archaeological setting of the investigation.  
Description of the topography of the site.

Description of the methodologies used during the investigation.

A text describing the findings of the investigation.

A consideration of the local, regional and national context of the investigation findings.

Plans of the archaeological features exposed. If a sequence of archaeological deposits is encountered, separate plans for each phase will be produced.

Sections of the archaeological features.

Interpretation and assessment of the archaeological features exposed, and their chronology and setting within the surrounding landscape.

Specialist assessment reports on the finds from the site.

Appropriate photographs of the site and specific archaeological features.

## 11 REPORT DEPOSITION

- 11.1 Copies of the report will be sent to the Client; the Boston Borough Council Planning Archaeologist; Boston Borough Council Planning Department; and to the County Council Archaeological Sites and Monuments Record.

## 12 ARCHIVE

- 12.1 The documentation and records generated during the investigation brief will be sorted and ordered into the format acceptable to the City and County Museum, Lincoln. This will be undertaken following the requirements of the document titled *Conditions for the Acceptance of Project Archives* for long-term storage and curation.

## 13 PUBLICATION

- 13.1 A report of the findings of the watching brief will be presented as a condensed article to the editor of the journal *Lincolnshire History and Archaeology*. If appropriate, notes on the findings will be submitted to the appropriate national journals: *Britannia* for discoveries of Roman date, and *Medieval Archaeology* and the *Journal of the Medieval Settlement Research Group* for findings of medieval or later date.

## 14 CURATORIAL RESPONSIBILITY

- 14.1 Curatorial responsibility for the archaeological work undertaken on the site lies with the Boston Borough Planning Archaeologist. They will be given notice in writing of the commencement of the project.

## 15 VARIATIONS

- 15.1 Variations to the proposed scheme of works will only be made following written confirmation of acceptance from the archaeological curator.

## 16 PROGRAMME OF WORKS AND STAFFING LEVELS

- 16.1 The duration of the excavation fieldwork is dependent on the amount and complexity of archaeological remains revealed. It is expected that the fieldwork will last 8-12 weeks and will be supervised by a project officer, and undertaken by experienced site assistants.
- 16.2 Post-excavation assessment and report production will be undertaken by the archaeological project officer, with assistance from a finds supervisor, illustrator and external specialists. It is expected that the assessment will take about 8-15 weeks.

17 **CONTINGENCIES**

17.1 Should unexpected, significant archaeological remains (ie, burials, industrial remains, important remains of unexpected date) be encountered sufficient time to ensure the appropriate level of excavation / recording / sampling of those remains will be required.

18 **SPECIALISTS TO BE USED DURING THE PROJECT**

18.1 The following organisations/persons will, in principle and if necessary, be used as subcontractors to provide the relevant specialist work and reports in respect of any objects or material recovered during the investigation that require their expert knowledge and input. Engagement of any particular specialist subcontractor is also dependent on their availability and ability to meet programming requirements.

<u>Task</u>	<u>Body to be undertaking the work</u>
Conservation	Conservation Laboratory, City and County Museum, Lincoln
Pottery Analysis	Prehistoric - Trent & Peak Archaeological Trust  Roman - B Precious, Independent Specialist  Anglo-Saxon-medieval - J Young, Independent Specialist  Post-medieval and later - G Taylor, APS in consultation with H Healey, Independent Archaeologist
Non-pottery Artefacts	J Cowgill, Independent Specialist
Animal Bones	Environmental Archaeology Consultancy
Environmental Analysis	J Rackham, Independent Specialist
Human Remains Analysis	R Gowland, Independent Specialist

19 **INSURANCES**

19.1 Archaeological Project Services, as part of the Heritage Trust of Lincolnshire, maintains Employers Liability Insurance of £10,000,000, together with Public and Products Liability insurances, each with indemnity of £5,000,000. Copies of insurance documentation can be supplied on request.

20 **COPYRIGHT**

20.1 Archaeological Project Services shall retain full copyright of any commissioned reports under the Copyright, Designs and Patents Act 1988 with all rights reserved; excepting that it hereby provides an exclusive licence to the client for the use of such documents by the client in all matters directly relating to the project as described in the Project Specification.

20.2 Licence will also be given to the archaeological curators to use the documentary archive for educational, public and research purposes.

20.3 In the case of non-satisfactory settlement of account then copyright will remain fully and

exclusively with Archaeological Project Services. In these circumstances it will be an infringement under the Copyright, Designs and Patents Act 1988 for the client to pass any report, partial report, or copy of same, to any third party. Reports submitted in good faith by Archaeological Project Services to any Planning Authority or archaeological curator will be removed from said planning Authority and/or archaeological curator. The Planning Authority and/or archaeological curator will be notified by Archaeological Project Services that the use of any such information previously supplied constitutes an infringement under the Copyright, Designs and Patents Act 1988 and may result in legal action.

- 20.4 The author of any report or specialist contribution to a report shall retain intellectual copyright of their work and may make use of their work for educational or research purposes or for further publication.

## 21 BIBLIOGRAPHY

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Specification: Version 2, 27-10-04

## *Appendix 2*

### OLV 05 CONTEXT GROUPING

Contexts were grouped according to the following categories:

#### **Deposits**

1. Natural clays or clayey silts
2. Natural alluvium or flood deposits
- 3.1 Dump deposits
- 3.2 Rubble spreads

#### **Cut features**

- 4.1 Ditch cuts
- 4.2 Ditch fills
- 5.1 Gully cuts
- 5.2 Gully fills
- 6.1 Extraction pits
- 6.2 Extraction pit fills
- 7.1 Refuse pit cuts and primary fills
- 7.2 Refuse pit tertiary fills
- 7.3 Pit cut, purpose unclear
- 7.4 Pit fills
- 7.5 Cut feature and fills, function unclear
- 7.6 Pit containing animal burial
- 7.7 Shallow scoop and fills
- 7.8 Stakehole

#### **Structural features**

- 8.1 Beam-slots
- 8.2 Possible flooring / walling material
- 8.3 Beam-slot fills

- 9.1 Post-hole cuts
- 9.2 Post-hole fills
- 9.3 Hearths

**Recent deposition**

- 10 Post-medieval overburden
- 11 Subsoil
- 12 Ploughsoils

**Miscellaneous contexts**

- 13 Tree-throws and root action
- 14 Unstratified material
- 15 Natural features

**Provisional phasing based on spot-dating**

Phasing has been determined by stratigraphic analysis and artifact dating.

- Phase 1** Natural clays, clayey silts and alluvial flood deposits
- Phase 2** Undated deposits
- Phase 3** Late Saxon deposits (late 9<sup>th</sup> to late 10<sup>th</sup> centuries)
- Phase 4** Late Saxon deposits (11<sup>th</sup> to 12<sup>th</sup> centuries)
- Phase 5** Late Saxon or later deposits
- Phase 6** Medieval deposits (13<sup>th</sup> to 15<sup>th</sup> centuries)
- Phase 7** Medieval deposits (mid15<sup>th</sup> to 16<sup>th</sup> centuries)
- Phase 8** Medieval or later deposits
- Phase 9** Post-medieval deposits (17<sup>th</sup> to 19<sup>th</sup> centuries)
- Phase 10** Recent deposits



No.	Area	Context Numbers	Cat.	Interpretation	Finds Date	Strat Date	Phase
1001	1-2	009=058, 040, 073, 118, 142, 153, 177=586=829, 207 237, 272, 311, 317=475, 346, 534, 535, 550, 551, 552, 597, 616, 675=687=757=819, 719, 729, 819, 829, 853	1	Natural clays or clayey silts			1
1002	1-2	002, 091, 108, 161, 269, 270, 461, 497, 537, 538, 539, 621, 629=636, 630, 632=633,816, 821	2	Natural alluvium or flood deposits			1
1003	2	548, 549	2	Natural alluvium or flood deposits			1
1004	1-2	[104], [344], [510], [524]	4.1	Ditch cut	L13-15		6
1005	1-2	110, 111, 314=373, 345, 353, 354, 355, 371, 372, 511, 512, 513, 514, 525, 556, 557	4.2	Ditch fill, of [1004]	L13-15		6
1006	1-2	[025], [252]	4.1	Ditch cut			6
1007	1-2	035, 253	4.2	Ditch fill, of [1006]	14-15	14-16	6
1008	2	503=649	4.1	Ditch cut			3
1009	2	504, 506, 560, 561, 562, 563, 650, 669, 670	4.2	Ditch fill, of [1008] Upper fill (560) ML11-M13, intrusive?	L9-L10		3
1010	2	[718], [854]	5.1	Gully cut			2
1011	2	720,721, 722, 855	5.2	Gully fill, of [1010]			2
1012	2	[610], [614]	5.1	3 Gully cuts	L13-15		6
1013	2	611, 615	5.2	Gully fills, of 1012			6
1014	1	[125], [133]	5.1	Gully cut			2
1015	2	126, 134	5.2	Gully fill, of 1014			2
1016	2	[673]	8.1	Beam slot cut			3
1017	2	817, 818	8.2	Possible flooring / walling material			3
1018	2	674	8.3	Beam slot fill, of [1016]	L9-L10		3
1019	2	801=845	10	Post-medieval overburden	E-EM19		10
1020	2	[356]	4.1	Ditch cut, re-cut of [1004]			6
1021	2	357, 358, 359, 360, 361, 362	4.2	Ditch fill, of [1020] 362 M13-15 intrusive?	L9-10	E-M10-11	6
1022	2	820	1	Natural sandy silt, possibly indicating position of former daub walling, associated with [1016]			3

1023	1-2	[138], [579], [575]	4.1	Ditch cut	ML18-M19		9
1024	1-2	146, 147, 590, 576	4.2	Ditch fill, of [1023]	ML18-M19		9
1025	1	[139]	4.1	Ditch cut	M17-18		9
1026	1	143, 144, 145	4.2	Ditch fill, of [1025]	M17-18		9
1027	2	[273], [279]	4.1	Ditch cut			9
1028	2	271, 280	4.2	Ditch fill, of [1027]			9
1029	1	[006]=[018], [075], [121]	8.1	Beam slot cut			7
1030	1	005=019, 026, 074, 122	8.3	Beam slot fill, of [1029]	13-15		7
1031	1	[077], [089], [228]	5.1	Gully cut			7
1032	1	076, 090, 229	5.2	Gully fill, of [1031]	M15 – M16		7
1033	1	[017], 856, 013, 012, 011	7.1	Refuse pit cut and primary fills	M13-16		7
1034	1-2	[084], 140, 094, 068, 067, 095, 092, 066, 065, 093, 224, 225	7.1	Refuse pit cut and primary fills	E-M16		7
1035	1-2	[101]=[136], [223] (Probably the same feature)	6.1	Extraction pit cut			7
1036	1-2	102=137, 226, 227	6.2	Extraction pit fills, of 1035			7
1037	2	[192]	6.1	Extraction pit cut			7
1038	2	194, 195, 196, 197, 198, 199, 218, 219, 222, 248=588, 249, 250, 251=587, 265, 266, 822, 832, 833, 834, 835, 836, 837, 838	6.2	Extraction pit fills, of 1037	L15-16		7
1039	2	[577]	6.1	Extraction pit cut. Check matrix dating changed drastically	ML17-M18		9
1040	2	591, 592, 604	6.2	Extraction pit fills, of 1039	ML17-M18		9
1041		[262]	4.1	Ditch cut		L13-16 or later	9
1042		263, 264	4.2	Ditch fill, of [1041]			9
1043	1	[027]	6.1	Extraction pit cut			6
1044	1	014, 015, 016	6.2	Extraction pit fills, of 1043	14/ 15		6
1045	2	[221]	6.1	Extraction pit cut			6
1046	2	220	6.2	Extraction pit fills, of 1045	L13-15		6
1047	2	193	3	Dump deposit, overlying group 1038	L15-16		7
1048	2	[839], 823, 824, 825, 826	7.1	Refuse pit cut and primary fills		L15-16 or later	8

1049	2	[840], 827, 828	7.1	Refuse pit cut and primary fills		L15-16 or later	8
1050	2	[841]	6.1	Extraction pit cut			2
1051	2	830	6.2	Extraction pit fill, of 1050			2
1052	2	[842], 831	7.1	Refuse pit cut and primary fills		L15-16 or later	8
1053	2	[583]	6.1	Extraction pit cut			2
1054	2	582, 581, 580	6.2	Extraction pit fill, of 1053			2
1055	2	[529],[585], [605]	4.1	Ditch cut			4
1056	2	426, 530=584	4.2	Ditch fill, of 1055	EM10-L11		4
1057	2	[526]	6.1	Extraction pit cut			7
1058	2	527, 528, 589	6.2	Extraction pit fill, of 1053	M15-16		7
1059	2	[289]	4.1	Ditch cut	L10-E11		4
1060	1	[123], 124	7.1	Refuse pit cut and primary fills			4
1061	1	290, 291	4.2	Ditch fill, of 1059	L10-E11		4
1062	1	[029]	6.1	Extraction pit cut			4
1063	1	028, 054, 055, 056, 057, 061, 062, 063, 064,	6.2	Extraction pit fill, of 1062	L10 – E11		4
1064	1	[020], [162]	5.1	Group of 2 separate gullies			2
1065	1	021, 163	5.2	Gully fills, of 1064	M15-16		2
1066	1	[051], [119]	6.1	Extraction pit cut			4
1067	1	052, 117, 120	6.2	Extraction pit fills, of 1066	L9 - EM11	L9 -12	4
1068	1	[082]	6.1	Extraction pit cut			7
1069	1	083, 098, 099, 100	6.2	Extraction pit fills, of 1068	15th		7
1070	2	[191], [246], [258]	4.1	Ditch cut			4
1071	2	[160]	6.1	Extraction pit cut			6
1072	2	156, 157, 158, 159	6.2	Extraction pit fills, of 1068	13-15		6
1073	1	[049]	6.1	Gully cut			4
1074	1	050, 053=116	6.2	Gully fills, of 1073	L9- 12		4
1075	1-2	[031], [096], [433]	7.3	Pit cut, purpose unclear			9
1076	1-2	030, 097, 434	7.4	Pit fills	M16-17		9
1077	2	190, 188, 243, 244, 245, 259, 260, 261	4.2	Ditch fill, of 1070	L9-12		4

1078	2	[241], [256]	4.1	Ditch cut	L9-L10		4
1079	2	240,242, 257	4.2	Ditch fill, of 1078	L9-L10		4
1080	2	[234], [254]	4.1	Ditch cut	10-12		4
1081	2	232, 233, 255	4.2	Ditch fill, of 1081	10-12		4
1082	2	[236]	4.1	Ditch cut	L9-L10		3
1083	2	235	4.2	Ditch fill, of 1082	L9-L10		3
1084	2	[268], 267	7.1	Refuse pit cut and primary fills			2
1085	2	[239], 238	7.1	Refuse pit cut and primary fills	L9-L10		4
1086	2	[200], 201	7.5	Cut feature and fills, function unclear			2
1087	2	[184], [182]	9.1	2 Post-hole cuts			2
1088	2	183, 185	9.2	Post-hole fills, of 1087			2
1089	2	[178]	4.1	Ditch cut	10-12		4
1090	2	179	4.2	Ditch fill, of 1089	10-12		4
1091	2	[180], 182	7.5	Cut feature and fills, function unclear			2
1092	2	[202], 203	7.5	Cut feature and fills, function unclear			2
1093	2	[151], 152	7.1	Refuse pit cut and primary fills			2
1094	2	[277]	4.1	Ditch cut, excavated during evaluation			2
1095	2	278	4.2	Ditch fill, of 1094			2
1096	2	[205], [103]	6.1	2 Extraction pit cuts (Possibly same pit)	L13-14		6
1097	2	105, 106, 107, 209, 210, 211, 212, 213	6.2	Extraction pit fills, of 1096	L13-14		6
1098	2	[206]	6.1	Gully cut	L13-16		6
1099	2	208	6.2	Gully fill, of 1098	L13-16		6
1100	2	154, 155, 164, 166	2	Alluvial subsoil deposits			2
1101	2	165	2	Alluvial subsoil deposits	L13-14		6
1102	2	[274], 275	7.1	Refuse pit cut and primary fills	L13-14		6
1103	2	[230], 231	7.5	Cut feature and fills, function unclear	L13-16		6
1104	2	[281], 282	15	Natural features			1
1105	2	[723], [727]	6.1	Gully cut	13-15		6
1106	2	724, 728	6.2	Gully fill, of 1105	13-15		6
1107	2	[758]	6.1	Extraction pit cut	14-16		6

1108	2	759, 760, 761	6.2	Extraction pit fills, of 1107			6
1109	2	[749]	6.1	Extraction pit cut	14-15		6
1110	2	750, 755	6.2	Extraction pit fills, of 1109			6
1111	2	[733], [741], 734, 742	7.1	Refuse pit cuts and primary fills			2
1112	2	693, 756	4.2	Ditch fill, of 1117	L9 – M11		4
1113	2	[678], [688], [700], [710], [725]	9.1	5 Post-hole cuts			2
1114	2	679, 680, 701, 711, 726	9.2	Post-hole fills, of 1113			2
1115	2	[751]	6.1	Gully cut	14-15 or later		8
1116	2	752	6.2	Gully fill, of 1115			8
1117	2	[692]	4.1	Ditch cut	L9 – M11		4
1118	2	651, 653=635	9.2	Post-hole fills, of 1121			2
1119	2	[735], [737], [739], [743], [745], [747], [753]	9.1	7 Post-hole cuts			2
1120	2	736, 738, 740, 744, 746, 748, 754	9.2	Post-hole fills, of 1119			2
1121	2	[654], [652=634]	9.1	2 Post-hole cuts			2
1122	2	[622], [659], [661], [663], [665]	9.1	5 Post-hole cuts	L9 – L10		3
1123	2	[656], 655, [676], 677	15	Natural features			2
1124	2	623, 660, 662, 664, 666	9.2	Post-hole fills, of 1122	L9 – L10		3
1125	2	[540], 541	7.6	Pit containing animal burial			2
1126	2	[691], 690, [698], 699, [714], 715, [857], 858	7.1	4 Refuse pit cuts and primary fills	L13-15		6
1127	2	[543], 542	15	Natural features.	15		6
1128	2	[558]	6.1	Extraction pit cut	L13-15		6
1129	2	559	6.2	Extraction pit fills, of 1128	L13-15		6
1130	2	[704], [706]	9.1	2 Post-hole cuts			2
1131	2	705, 707	9.2	Post-hole fills, of 1130			2
1132	2	[702]	6.1	Gully cut			2
1133	2	703	6.2	Gully fill, of 1132			2
1134	2	[708]	6.1	Gully cut	L9 – 11		4
1135	2	709	6.2	Gully fill, of 1132	L9 – 11		4
1136	2	[716], 717	7.3	Pit cut and fills, purpose unclear		M11-M12	5

				(Unexcavated)		or later	
1137	2	[762]	6.1	Extraction pit cut	L9 – 12		4
1138	2	763, 764, 765, 766, 767, 768, 769, 770	6.2	Extraction pit fills, of 1137	L9 – 12		4
1139	2	[671]	6.1	Gully cut			5
1140	2	672	6.2	Gully fill, of 1139		11-12 or later	5
1141	2	[681]	4.1	Ditch cut	11-12		4
1142	2	682, 683, 684, 685, 848	4.2	Ditch fill, of 1141	11-12		4
1143	2	[474], [517], [607]	6.1	Extraction pit cut, extended over wide area	L13-16		6
1144	2	473, 518 608, 609	6.2	Extraction pit fills, of 1143	L13-16		6
1145	2	[479]	4.1	Ditch cut	L9 – 12		4
1146	2	390, 391, 392, 478	4.2	Ditch fills, of 1145	L9 – 12		4
1147	2	[480]	4.1	Re-cut of 1145	L13-15		6
1148	2	389	4.2	Ditch fills, of 1147	L13-15		6
1149	2	[481]	4.1	Re-cut of 1145	M11-12		6
1150	2	429, 430, 482, 483, 484	4.2	Ditch fills, of 1149	M11-12		6
1151	2	[859], 385, 386, 387, 388, 476, 477, 606	7.1	Refuse pit cut and primary fills.	L13-16		6
1152	2	[860], 485	7.7	Shallow scoop and fills		L13-16 or later	8
1153	2	[315], [292]	4.1	Ditch cut			7
1154	2	293, 316, 318, 319, 320, 321	4.2	Ditch fills, of 1153	L15-16		7
1155	2	[335], 336, [489], 486, 487	7.1	Refuse pit cut and primary fills		L13-16 or later	8
1156	2	[343], 329, 330, 331, 332, 334	9.3	Hearth		L15-16 or later	8
1157	2	[342], 322, 323, 324, 325=488, 326, 327, 328, 333	9.3	Hearth		L15-16 or later	8
1158	2	296, 352, 409, 617 618, 631, 640	3	Dumped deposits, possibly related to flooding.			2
1159	2	[399], 395	7.7	Shallow scoop and fills			2
1160	2	[852], 297, 298, 299, 300	9.3	Hearth		EM10 12 or later	7
1161	2	[337], 338, 339, [393], 394	7.1	2 Refuse pit cuts and primary fills	M15-M16		7

1162	2	[283], 284	7.1	Refuse pit cut and primary fills	M15-16		7
1163	2	[435], [437]	9.1	2 Possible post-hole cuts, [1135] burnt.		M13-15 or later	8
1164	2	436, 438	9.2	Post-hole fills, of 1163		L13-15 or later	8
1165	2	[441]=[491], [457]	6.1	Gully/ ditch cut	16-M17		9
1166	2	442=491, 458	6.2	Gully/ ditch fill, of 1165	16-M17		9
1167	2	[340], [427]	9.1	2 post-hole cuts			8
1168	2	341, 428	9.2	Post-hole fills, of 1167			8
1169	2	[400], [402]	9.1	2 post-hole cuts	ML13-14		6
1170	2	401, 403	9.2	Post-hole fills, of 1169	ML13-14		6
1171	2	[452], 450, 451	9.3	Hearth		L13-15 or later	8
1172	2	[405]	8.1	Beam slot cut		L13-15 or later	8
1173	2	406	8.3	Beam slot fill, of 1172		L13-15 or later	8
1174	2	[286], [313]	6.1	Gully cut	L13-15	M15-16	8
1175	2	285, 312	6.2	Gully fill, of 1174	L13-15	M15-16	8
1176	2	[396]	6.1	Extraction pit cut,	M15-16		7
1177	2	398, 404, 412	6.2	Extraction pit fills, of 1176	M15-16		7
1178	2	[415], 397, 416, 410, 411=414, 413, [868]	7.1	Refuse pit cut and primary fills, re-cutting 1176	M15-16		7
1179	2	[407], [422]	6.1	Gully cut			2
1180	2	408, 423	6.2	Gully fill, of 1180			2
1181	2	[306]	6.1	Extraction pit cut,	L15-16		7
1182	2	307	6.2	Extraction pit fills, of 1181	L15-16		7
1183	2	[347]=[368]	6.1	Extraction pit cut,	M15-16		7
1184	2	348, 349, 369, 370	6.2	Extraction pit fills, of 1176	M15-16		7
1185	2	[351], 350, 310, 309	7.1	Refuse pit cut and primary fills, re-cutting 1183	M15-16		7
1186	2	[304], 305, [365], 366, 367	7.1	2 Refuse pit cuts and primary fills	15 <sup>th</sup>	L15-16	7
1187	2	[445]	6.1	Extraction pit cut			7

1188	2	446	6.2	Extraction pit fills, of 1187			7
1189	2	[443], 444	7.1	Refuse pit cut and primary fill	15-16		7
1190	2	[439], [495]	9.1	2 Post-hole cuts	M15-16		7
1191	2	440, 496	9.2	Post-hole fill, of 1190			7
1192	2	[431], [453], [455], [459], [466], [599], [601], [627]	9.1	Post-hole cuts	L13-16	M15-16	7
1193	2	432, 454, 456, 460, 467, 598, 600, 628	9.2	Post-hole fills, of 1192	L13-16	M15-16	7
1194	2	464], 465	15	Natural features	M15-M16		7
1195	2	[462]=[508], [625]	6.1	2 parallel Gully cuts	L11-M13		6
1196	2	463, 509, 626	6.2	Gully fill, of 1195	L11-M13		6
1197	2	[612]	4.1	Ditch cut			7
1198	2	613	4.2	Ditch fills, of 1197			7
1199	2	[379]	6.1	Gully cut	M15-16		7
1200	2	380	6.2	Gully fill, of 1199	M15-16		7
1201	2	[417]=[468], [578]=[643]	4.1	Ditch cut	L9-L10		3
1202	2	418, 419, 469, 470, 502, 507, 596,644, 647, 867	4.2	Ditch fills, of 1201	L9-L10		3
1203	2	[420], 421, [471], 472	7.1	2 Refuse pit cuts and primary fills	M15-16		7
1204	2	[568]	4.1	Ditch cut	L16-E17		9
1205	2	569, 570, 571, 572	4.2	Ditch fills, of 1204	L16-E17		9
1206	2	[573]	4.1	Ditch cut, re-cut of 1204	M17-18		9
1207	2	574	4.2	Ditch fills, of 1204	M17-18		9
1208	2	[565], 566, 567	7.1	Refuse pit cut and primary fills	L16-17		9
1209	2	564	3	Dump deposit, infilling hollow		M17-18 or later	9
1210	2	[645]	6.1	Extraction pit cut,	EM-L10		3
1211	2	646	6.2	Extraction pit fills, of 1181			9
1212	2	648	3	Dumped deposit			3
1213	1	[059], 060	7.1	Refuse pit cuts and primary fills.			6
1214	1	[112]	6.1	Gully cut	M15-16		2
1215	1	113	6.2	Gully fill, of 1214	M15-16		2



1216	1	[114]	6.1	Extraction pit cut,	L13-16		7
1217	1	115	6.2	Extraction pit fills, of 1216	L13-16		7
1218	1	[036]	4.1	Ditch cut	L13-15		6
1219	1	037	4.2	Ditch fills, of 1218	L13-15		6
1220	1	024	3	Dumped deposit	L13-14	L13-15	6
1221	1	[002], 001, [149], 150	7.1	2 Refuse pit cuts and primary fills		L13-15 or later	9
1223	1	[038]	4.1	Ditch cut		L13-15 or later	8
1224	1	039	4.2	Ditch fills, of 1224		L13-16 or later	8
1225	1	[023], [129]	4.1	Ditch cut	14 <sup>th</sup> -15 <sup>th</sup>		10
1226	1	022, 130, 135	4.2	Ditch fills, of 1225	14 <sup>th</sup> 15 <sup>th</sup>		10
1227	1	[131], 132, 536	7.5	Cut feature and fills function unclear			3
1228	1	[127]	9.1	Post-hole cut			2
1229	1	128	9.2	Post-hole fill, of 1228			2
1230	2	[531], 532	7.5	Cut feature and fills function unclear, investigated in service trench			2
1231	2	[167], 168	7.7	Shallow scoop and fills	13-15		6
1232	2	[169]	6.1	Extraction pit cut	M15-16		7
1233	2	170, 171, 172, 173, 174	6.2	Extraction pit fills, of 1232	M15-16		7
1234	2	[175], 176	7.1	Refuse pit cut and primary fill	L15-16		7
1235	2	301, 302, 303	9.3	Hearth			2
1236	2	[294], 295	7.5	Cut feature and fills function unclear			2
1237	1-2	[087]	9.1	Isolated post-hole cut	L10-M11		4
1238	2	088	9.2	Post-hole fills, of 1228	L10-M11		4
1239	2	[214], [080]	6.1	Gully cut	13-15		6
1240	2	215, 081	6.2	Gully fill, of 1239	13-15		6
1241	1	033, 034, 042, 044, 071, 072	2	Dumped alluvium or flood deposits along southern site boundary. Dating from upper deposit (033)	M15-16		7
1242	1	003	3.2	Rubble spread	M15-16		7

1243	1	[069]	4.1	Ditch cut			2
1244	1	070	4.2	Ditch fills, of 1243			2
1245	1	[085], 086	7.1	Refuse pit cut and primary fill			2
1246	2	[374]	6.1	Extraction pit cut	M15-16		7
1247	2	375, 376, 377, 378	6.2	Extraction pit fills, of 1246	M15-16		7
1248	2	[519], [554], [712]	9.1	3 Isolated post-hole cuts	M15-M16		7
1249	2	520, 555, 713	9.2	Post-hole fills, of 1248			7
1250	2	[547]		Possible continuation of 1055 (Phase 4) or 1057 (Phase 7)	L13-15		4/7
1251	2	383, 545, 546, 553		Fills of 1250	L13-15		4/7
1252	2	[384], 381, 382, 544, 553	7.1	Refuse pit cut and primary fill	ML13-15		6
1253	2	[694]	4.1	Ditch cut	M11-12		4
1254	2	695, 696, 697	4.2	Ditch fills, of 1253	M11-12		4
1255	2	[861], 730, [862], 731, [863], 732	7.5	3 un-excavated cut features and their fills, function unclear			2
1256	2	668	2	Dumped alluvium or flood deposits in southeast corner of site.			2
1257	2	[641], 642	7.5	Cut feature and fills, function unclear	11-12		4
1258	2	782	2	Alluvial deposit			6
1259	2	[787]	9.4	Stake-hole			6
1260	2	781, 783, 784, 785	2	Sequence of alluvial deposits.	ML13-15		6
1261	2	780, 771=808	2	Flood deposits identified by J Rackham			6
1262	2	779=800, 802, 803=795, 804, 807, 809, 843	2	Sequence of alluvial deposits	13-14	Strat ML13-15 or later	6
1263	2	[777], [793]	9.1	Post-hole cuts	M15-16		7
1264	2	778, 794	9.2	Post-hole fills	M15-16		7
1265	2	[805]	5.1	Gully cut		L13-16 or later	8
1266	2	806	5.2	Gully fill		L13-16 or later	8
1267	2	[772], 774, 773, 776, [789], 788, [790], 791, 792, [798], 799, 844	7.1	Refuse pit cuts and primary fills	M15-16		7

1268	2	[814]	4.1	Ditch cut		L13-16 or later	8
1269	2	815	4.2	Ditch fill		L13-16 or later	8
1270	2	[796], 797	7.1	Refuse pit cuts and primary fill (Post-med)	19-20		10
1271	1-2	048	11	Subsoil		L13-15 or later	10
1272	1-2	010, 047	12	Ploughsoil	L9-M11 (residual)		10
1273	1-2	004, 141, 148, 276, 846, 847	14	Unstratified material	M15-16		-
1274	2	[866], 593, 595, 602, 603, 849, 850, 851	7.1	Refuse pit cut and primary fills			9
1275	2	[619]	5.1	Gully cut			2
1276	2	620	5.2	Gully fill			2
1277	2	[515], 516	7.1	Refuse pit cut and primary fills			6
1278	2	[500], 501	15	Natural features			7
1279	2	[624]	6.1	Extraction pit cut			4
1280	2	637, 638, 639	6.2	Extraction pit fills, of 1279	EM10-L11		4
1281	2	[492]	6.1	Extraction pit cut			3
1282	2	493, 494	6.2	Extraction pit fills, of 1281			3
1283	2	[186]	6.1	Extraction pit cut			7
1284	2	187	6.2	Extraction pit fills, of 1283			7
1285	2	287	3.1	Dump deposit			7
1286	2	[498], 499	7.1	Refuse pit cut and primary fills	L13-15		6
1287	2	Void, number not used					-
1288	2	Void, number not used					-
1289	2	[810]	7.5	Cut feature and fills, function unclear			10
1290	2	811		See above			10
1291	2	[216]	9.1	Post-hole cuts			2
1292	2	217	9.2	Post-hole fills			2
1293	2	[256]	4.1	Ditch cut			8
1294	2	257	4.2	Ditch fill			8
1295	2	[078], 079	7.1	Refuse pit cut and primary fills			6

1296	2	[521]	4.1	Ditch cut			4
1297	2	522, 523	4.2	Ditch fill			4
1298	2	Void, number not used					
1299	2	[008]	8.1	Beam slot cut			7
1300	2	007	8.3	Beam slot fill, of 1299			7
1301	2	[812], 813	7.1	Refuse pit cut and primary fills			9
1302	1	[869], 870	7.1	Refuse pit cut and primary fills			2

### Appendix 3

#### CONTEXT DESCRIPTIONS

#### OLV 05

Context No.	Area	Description	Depth	Interpretation	Group No.
001	1	Moderate greyish brown clayey silt	0.08m	Fill of [002]	1221
002	1	Irregular feature, 1.36m x 0.63m	0.08m	Pit cut	1221
003	1	Firm, compact silty clay rubble spread	-	Rubble Spread	1242
004	1	Unstratified finds	-	Unstratified	1273
005	1	Firm, friable dark brown fine silty clay	0.10m	Fill of [006]	1030
006	1	NE-SW aligned linear feature	0.10m	Beam Slot	1029
007	1	Hard/ friable dark brown silt clay	0.07m	Fill of [008]	1300
008	1	NW-SE aligned linear feature.	0.07m	Gully cut	1299
009	1	Firm reddish yellowish brown silty clay	-	Natural	1001
010	1	Friable dark greyish brown sandy, silty clay	-	Ploughsoil/ Subsoil	1272
011	1	Loose black sandy silt with occasional clay patches	-	Fill of [017]	1033
012	1	Loose light grey to mid grey sandy silt	-	Fill of [017]	1033
013	1	Loose black sandy silt	-	Fill of [017]	1033
014	1	Loose mid grey black sandy silt	-	Top fill of [027]	1044
015	1	Firm mottled light grey, light yellow, light reddish brown silty clay	-	Secondary fill of [027]	1044
016	1	Loose black sandy silt	-	Primary fill of [027]	1044
017	1	N-S aligned linear feature	0.60m	Cut of pit	1033
018	1	NE/SW aligned linear feature	0.13m	Beam slot	1029
019	1	Friable very dark greyish brown clayey silt,	-	Fill of [018]	1030
020	1	Linear feature 0.22m wide	0.14m	Gully cut	1064
021	1	Firm medium greyish brown silty clay	0.14m	Fill of [020]	1065
022	1	Moderate pale brown with dark grey patches and red, orange flecks	0.19m	Fill of [023]	1226
023	1	NE-SW aligned irregular linear	0.19	Pit cut	1225
024	1	Moderate yellowish brown clayey silt	0.15m	Silting Deposit	1220
025	1	NW-SE aligned linear feature	0.27m	Ditch cut	1006
026	1	Medium firm yellowish brown silty clay	0.13m	Primary fill of [018]	1030
027	1	N-S aligned linear feature, 7m x 1,4m	0.36m	Pit cut	1043
028	1	Friable dark brown clayey silt	0.48m	Fill of [029]	1063
029	1	NW-SE aligned sub-rectangular feature	0.84m	Pit cut	1062
030	1	Firm dark grey, mid yellowish brown clayey silt	0.31m	Fill of [031]	1076
031	1	Square feature 0.8m x 0.8m	0.31m	Pit cut	1075
032	1	Firm mid grey, reddish brown clayey silt	0.07m	Cut	1002

033	1	Medium firm mid brown with darker brown mottling	0.40m	Flood deposit?	1241
034	1	Loose black silt with mid brown silty clay lenses	-	Flood deposit?	1241
035	1	Moderate mid-brown clay with yellowish silt inclusion	0.14m	Primary fill of [025]	1007
036	1	NW-SE aligned linear feature 0.64m wide	0.24m	Ditch cut	1218
037	1	Moderate mid-brown clayey silt with yellowish inclusions	0.24m	Fill of [036]	1219
038	1	NW-SE aligned linear feature 0.80m wide	0.28m	Fill of [039]	1222
039	1	Moderate yellowish, orangey brown clayey silt, 0.80m wide	0.28m	Fill of cut [038]	1223
040	1	Moderate to soft mottled brown, pale grey clay	-	Natural	1001
041	1	Void	-	-	
042	1	Same as (071)	-	Same as (071)	1241
043	1	Void	-	-	
044	1	Same as (071)	-	Same as (071)	1241
045	1	Void	-	-	
046	1	Void	-	-	
047	1	Firm friable dark grey fine clayey silt	0.4m	Topsoil	1272
048	1	Moderate to soft pale brown to mid-brown clayey silt	0.14	Subsoil	1271
049	1	NW-SE aligned linear feature, 120m wide	0.14m	Gully cut	1073
050	1	Friable mid-greyish brown clayey silt	0.15m	Top fill of [049]	1074
051	1	E-W aligned rectangular feature, 1.19m wide	0.55m	Pit cut	1066
052	1	Friable dark brownish grey silty clay	0.52m	Primary fill of [051]	1067
053	1	Same as (116)	0.04m	Same as (116)	1074
054	1	Plastic mid-brown clay	0.28m	Bottom fill of [029]	1063
055	1	Plastic mid-orange brown clay	0.45m	Fill of [029]	1063
056	1	Smooth black silt	0.05m	Fill of [029]	1063
057	1	Fine orange silt	0.12m	Fill of [029]	1063
058	1	Fine yellow orange sand	-	Natural	1001
059	1	Round feature, 0.75m x 0.69m	0.18m	Pit cut	1213
060	1	Firm greyish mid-brown clayey silt	0.18m	Fill of [059]	1213
061	1	Fine orange silt	0.05m	Fill of [029]	1063
062	1	Friable dark brown clayey silt	0.18m	Fill of [029]	1063
063	1	Smooth mottled orange brown clayey silt	0.20m	Fill of [029]	1063
064	1	Plastic mid-brown grey clay	0.20m	Fill of [029]	1063

<b>Context No.</b>	<b>Area</b>	<b>Description</b>	<b>Depth</b>	<b>Interpretation</b>	<b>Group No.</b>
065	1	Moderate friable greyish brown sandy silt	0.26m	Top fill of [084]	1034
066	1	Moderate soft dark grey sandy, clayey silt	0.14m	Fill of [084]	1034
067	1	Friable dark rusty brown sandy silt	0.24m	Fill of [084]	1034
068	1	Soft light greyish brown sandy, clayey silt with light brown patches	0.30m	Fill of [084]	1034
069	1	N-S aligned linear feature	0.8m	Ditch cut	1243
070	1	Compact firm mid-brown silty clay with mid-grey patches	0.30m	Fill of [069]	1244
071	1	Firm mid-brown silty clay with dark grey patches	0.40m	Dump/ flood deposit	1241
072	1	Firm mid-brown, grey silty clay	0.15	Dump/ flood deposit	1241
073	1	Firm mid grey clay with yellow mottles	-	Natural	1001
074	1	Firm mid-brown clayey silt	0.10m	Fill of [075]	1030
075	1	N-S aligned linear feature	0.10m	Beam slot cut	1029
076	1	Firm mid-brown clayey silt	0.59m	Fill of [077]	1032
077	1	NNW-S aligned curvilinear feature, 0.25m wide	0.59m	Gully cut	1031
078	1	Round feature 130m x 140m	0.15m	Pit cut	1295
079	1	Firm greyish mid-brown clayey silt	0.15m	Fill of [078]	1295
080	1	E-W aligned linear feature, 2.78m x 0.24m	0.09	Gully cut	1239
081	1	Friable light red- brown silty clay	0.08m	Fill of [080]	1240
082	1	Irregular feature, 3m x 2.60m	1.06m	Pit cut	1068
083	1	Plastic mid-orangey brown silty clay	0.56m	Fill of [082]	1069
084	1	Irregular feature	-	Pit cut	1034
085	1	E-W aligned sub-circular feature	0.15m	Pit cut	1245
086	1	Friable dark greyish brown clayey silt	0.15m	Fill of [085]	1245
087	1	N-S aligned sub-circular feature	0.33m	Posthole cut	1237
088	1	Friable dark reddish brown silty clay	0.33m	Fill of [087]	1238
089	1	N-SW aligned linear feature, 0.50m wide	0.08m	Gully cut	1031
090	1	Firm Friable greyish, orangy mid-brown clayey silt	0.08m	Fill of [089]	1032
091	1	Friable mottled greenish yellow, mid-brown clayey silt	-	Natural	1002
092	1	Soft light greyish brown clayey sandy silt with orangy streaks	0.20m	Fill of [084]	1034
093	1	Soft pale brown clayey silt	0.15m	Fill of [084]	1034
094	1	Soft dark grey clayey silt with black and orangy red flecks	0.10m	Fill of [084]	1034
095	1	Moderate light greyish brown clayey silt	0.13m	Fill of [084]	1034
096	1	Oblong feature, 0.98m x 0.52m	0.16m	Pit cut	1075
097	1	Plastic friable mid-green brown clayey silt	0.07m	Primary fill of [096]	1076
098	1	Plastic light ochre brown clay	0.07m	Fill of [082]	1069
099	1	Plastic dark brown silty clay	0.23m	Fill of [082]	1069
100	1	Plastic mottled orange and dark brown clay	0.17m	Fill of [082]	1069

101	1	SW-NE aligned cut feature, 0.75m wide, same as [136]	0.48m	Same as [136]	1035
102	1	Same as (137)	-	Same as (137)	1036
103	1	E-W aligned feature	0.35m	Pit cut	1096
104	1	E-W aligned linear feature. Same as [524] and [344]	0.85m	Ditch cut	1004
105	1	Loose dark grey	0.04m	Fill of [103]	1097
106	1	Firm mid-orange loamy sand	0.08m	Fill of [103]	1097
107	1	Firm mid-brown silty clay with dark brown mottles	-	Upper fill of [103]	1097
108	1	Firm mid-brown silty clay	-	Flood deposit	1002
109	-	Number unassigned	-	Void	
110	1	Loose dark grey loamy silt with 50% - 60% mussel shells	0.04m	Primary fill of [104]	1005
111	1	Firm mid-brown silty clay	0.80m	Secondary fill of [104]	1005
112	1	NW- SW aligned linear feature, 140m x 0.65m	0.22m	Ditch cut	1214
113	1	Firm greyish yellowish light brown clayey silt	0.31m	Fill of [112]	1215
114	1	Sub-round feature, 2.60>m x 3>m, Same as [169]?	0.39m	Pit cut	1216
115	1	Medium hard greyish orangey mid-brown clayey silt	0.39m	Primary fill of [114]	1217
116	1	Friable dark greyish brown silty clay	0.12m	Primary fill of [049]	1074
117	1	Friable dark brownish grey silty clay mixed with redeposited yellowish brown natural clay	0.47	Top fill of [051]	1067
118	1	Friable light greyish brown silty clay	0.10m	Natural	1001
119	1	NW-S aligned linear feature, 1.19m wide, same as [051]	0.36m	Ditch cut	1066
120	1	Firm friable yellowish light brown silty clay	0.30m	Fill of [119]	1067
121	1	NE-SW aligned linear feature, 5m x 0.54m	0.28m	Ditch cut	1029
122	1	Firm friable yellowish mid-brown clayey silt	0.28m	Primary fill of [121]	1030
123	1	Irregular ovoid feature, 3m x 2m	0.25m	Pit cut	1060
124	1	Crumbly dark brown silty clay	-	Fill of [123]	1060
125	1	NW-SE aligned linear feature, 3m x 0.17m	0.06m	Gully cut	1014
126	1	Friable dark brown, grey silty clay	0.06m	Fill of [125]	1015
127	1	Round feature, 0.30m x 0,30m with a S-N inclination of axis	0.10m	Posthole cut	1228
128	1	Firm friable greyish mid-brown silty clay	0.10m	Fill of [127]	1229
129	1	SW/NE aligned 1.10m diameter, concave based cut	0.15m	Linear cut	1225
130	1	Moderate greyish brown clayey silt	0.15m	Fill of [129]	1226
131	1	E/W aligned shallow concave based cut	0.26m	Irregular cut	1227
132	1	Moderate mid brown sandy clayey silt	0.26m	Fill of [131]	1227
133	1	NW-SE aligned linear feature	0.07m	Gulley cut	1014
134	1	Friable dark brown, grey silty clay, same as (126)	-	Fill of [133]	1015



135	1	Smooth black grey silt	0.17m	Fill of [129]	1226
136	1	Flat based vertically sided 0.75m diameter cut	0.24m	Cut feature	1035
137	1	Moderate dark grey clayey silt	0.24m	Fill of [136]	1036
138	1	SW/NE aligned linear, 0.80m> diameter. Post-medieval	0.55m>	Ditch cut	1023
139	1	West/ east aligned linear, 1.80m> diameter. Post-medieval	0.82m>	Ditch cut	1025
140	1	Soft buff yellowish brown slightly sandy clayey silt.	0.04m	Primary fill of [084]	1034
141	1	Unstratified worked stone from c. 1000/1000	-	Unstratified	1273
142	1	Plastic mottled medium grey and medium greyish brown silty clay	-	Natural	1001
143	1	Friable medium brownish grey silty clay	0.43m	Secondary fill of [139]	1026
144	1	Friable medium brown sandy silty clay	0.32m	Upper fill of [139]	1026
145	1	Friable dark greyish brown silty clay	0.33m	A fill of [139]	1026
146	1	Friable medium greyish brown silty clay	0.24m	A fill of [139]	1024
147	1	Friable dark greyish brown silty clay	0.31m	Upper fill of [138]	1024
148	1	General unstratified material recovered during excavation of Area 1	-	Unstratified	1273
149	1	N-S aligned sub-circular feature, 0.65m in diameter	0.10m	Pit cut	1221
150	1	Friable mid-grey clayey silt	0.10m	Fill of [149]	1221
151	1	Oval feature, 2.10m x 2.45m	0.22m	Pit cut	1093
152	1	Medium- hard mid-brown silty clay	0.22m	Fill of [151]	1093
153	1	Plastic light reddish, yellowish brown silty clay	-	Natural	1001
154	1	Firm mid-brown silty clay with orange mottles	-	Subsoil	1100
155	1	Firm mid-orange with brown mottles	-	Subsoil	1100
156	1	Moderate light brown, grey sandy silt	0.04m	Fill of [160]	1072
157	1	Moderate mid-brown, mid-grey clayey silt with light brown patches	0.35m	Fill of [160]	1072
158	1	Soft to moderate mid-grey silty clay	0.26m	Fill of [160]	1072
159	1	Soft light grey silty clay with flecks of orange	0.06m	Fill of [160]	1072
160	1	Round feature, 1.04m wide	0.84m	Pit cut	1071
161	1	Moderate orange-brown clayey silt	-	Fill of [160]	1072
162	1	NW-SE aligned linear feature, 3.5m in length	0.20m	Gulley cut	1064
163	1	Firm dark grey silty clay	0.18m	Fill of [162]	1065
164	1	Firm mid-orange silty clay with dark brown mottles	-	Redeposited natural	1100
165	1	Firm dark orange silty clay with brown mottles	-	Subsoil	1101
166	1	Compact mid-grey clay	-	Subsoil	1100
167	2	Shallow scoop, 1.90 x 1.20m	0.14m	Shallow pit or depression	1231
168	2	Compact mid-orange brown silty clay	0.14m	Fill of [167]	1231
169	2	Cut feature, 4.20 x 3m.	0.30m	Pit cut	1232

170	2	Compact friable mottled grey, orange silty clay	0.10m	Fill of [169]	1233
171	2	Compact orange clay	0.87m	Fill of [169]	1233
172	2	Plastic black silt	0.08m	Fill of [169]	1233
173	2	Fairly compact medium brownish grey	0.30m	Fill of [169]	1233
174	2	Compact dark brown silty clay	0.12m	Basal fill of [169]	1233
175	2	East/ west aligned cut, gradually sided 1.40m diameter	0.55m	Ditch cut	1234
176	2	Compact medium brown silty clay	0.55m	Fill of [175]	1234
177	2	Same as (586) and (829)	-	Natural	1001
178	2	Southwest/ northeast aligned linear, c.1m diameter	0.47m	Ditch cut	1089
179	2	Firm yellowish mid-brown silty clay	0.47m	Fill of [178]	1090
180	2	Northwest/ southeast aligned, linear cut 0.97m wide	0.13m	Cut feature	1091
181	2	Firm orangey mid-brown clayey silt	0.13m	Fill of [180]	1091
182	2	Sub-circular post hole, 0.38m diameter	0.27m	Post hole cut	1087
183	2	Firm mid-greyish brown silty clay	0.27m	Fill of [182]	1088
184	2	Sub-circular post hole, 0.50m diameter	0.22m	Post hole cut	1284
185	2	Firm yellowish light greyish brown silty clay	0.22m	Fill of [184]	1088
186	2	Steep sided pit cut truncated on southeast side by [169]. Measured 1.20m> x 0.50m>	0.85m	Pit cut	1283
187	2	Compact mid brown silty clay	0.85m	Fill of [186]	1233
188	2	Moderate greyish brown clay silt	0.17m	Fill of [191]	1077
189	2	Number unassigned			
190	2	Moderate mid to dark grey silt	0.13m	Fill of [191]	1070
191	2	North south aligned flat based linear	0.30m	Ditch cut	1077
192	2	Large Sub-circular pit cut. Containing occupation material. 7.82m diameter, depth augered to 1.83m	1.66m>	Pit Cut	1037
193	2	Compact mid-dark brown silt	0.08m	Upper fill of [192]	1047
194	2	Compact mid-brown silty clay	0.50m	Fill of [192]	1038
195	2	Compact cream deposit of limestone brash mixed with brown silt	0.09m	Fill of [192]	1038
196	2	Compact black sandy silt with clay laminations	0.23m	Fill of [192]	1038
197	2	Compact mid-brown grey silty sand	0.20m	Fill of [192]	1038
198	2	Fairly compact dark grey silt	0.18m	Fill of [192]	1038
199	2	Compact mottled green/ orange clay	0.50m	Fill of [192]	1038
200	2	Heavily truncated cut, 1.60 x 1.00m, flat based	0.12m	Cut feature	1086
201	2	Soft greyish yellowish light brown clayey silt	0.12m	Fill of [200]	1086
202	2	Heavily truncated cut, 0.69 x 0.40m, flat based.	0.20m	Cut feature	1092
203	2	Soft reddish mid-brown silty clay	0.20m	Fill of [202]	1092
204		Number unassigned			
205	2	Sub-circular, concave based 3.5m diameter cut	1.05m	Pit cut	1096

206	2	Probable linear, aligned east west, concave based.	0.35m	Ditch cut?	1098
207	2	Firm mid-grey, mottled mid-brown	-	Natural clay	1001
208	2	Firm dark orange silty clay	0.35m	Fill of [206]	1099
209	2	Firm dark orange silty clay	0.15m	Fill of [205]	1097
210	2	Firm light orange silty clay	0.10m	Fill of [205]	1097
211	2	Very firm mid orange silty clay	0.70m	Fill of [205]	1097
212	2	Soft black organic silt	0.05m	Fill of [205]	1097
213	2	Firm mid-orange, mottled mid brown mixture of clay and sand	0.15m	Primary fill of [205]	1097
214	2	East west aligned flat based linear, measured 0.63m in diameter	0.05m	Gully cut	1239
215	2	Friable medium brownish grey silt	0.05m	Fill of [214]	1240
216	2	Sub-circular 0.26m diameter concave based cut.	0.19m	Post-hole cut	1291
217	2	Friable dark brownish grey clayey silt	0.19m	Fill of [216]	1292
218	2	Very compact light brown clay	0.36m	Fill of [192]	1038
219	2	Compact mid greyish green clay	0.13m	Deposit	1038
220	2	Compact light orange brown clay	0.22m	Fill of [222]	1046
221	2	Sub-circular 0.75m diameter steep sided cut	0.22m	Pit cut	1045
222	2	Compact grey clay	0.07m	Fill of [192]	1038
223	2	Ovoid shaped gradually sided cut, measured at least 4m in diameter	0.60m	Pit cut	1035
224	2	Compact mid-brown to black silty clay	0.20m	Fill of [223]	1034
225	2	Compact mid brown, with green lense, clay sand	0.22m	Fill of [223]	1034
226	2	Compact orange/ yellow clay	0.20m	Fill of [223]	1036
227	2	Compact mottled greenish brown silty clay	0.27m	Fill of [223]	1036
228	2	Northeast southwest aligned linear, steep sided and flat based. Same as [075]	0.28m	Beam slot cut	1031
229	2	Friable greyish yellowish mid-brown silty clay.	0.28m	Fill of [228]	1032
230	2	Northwest to east aligned linear, steep sided flat based and 0.90m wide	0.13m	Cut feature	1103
231	2	Firm yellowish mid-brown silt	0.13m	Fill of [230]	1103
232	2	Moderate mottled black and orangey brown clay silt	0.09m	Fill of [234]	1081
233	2	Moderate orangey brown/ grey silty clay	0.27m	Fill of [234]	1081
234	2	North south aligned flat based linear, 0.62m wide, steep sided and flat based, same as [254]	0.27m	Ditch cut	1080
235	2	Moderate light grey, with flecks of orangey brown, clay silt.	0.13m	Fill of [236]	1082
236	2	North south aligned steep sided linear, 1.41m wide.	0.13m	Ditch cut	1082
237	2	Moderate orangey brown clay silt	0.10m	Natural	1001
238	2	Moderate mottled mid-grey and orange brown clay silt	0.33m	Fill of [239]	1085
239	2	Flat based cut, 1.07m wide, heavily truncated	0.33m	Pit cut	1085
240	2	Moderate dark grey clay silt	0.17m	Fill of [241]	1079
241	2	Southwest northeast aligned flat based	0.17m	Gully cut	1078

		cut, 0.34m in diameter.			
242	2	Moderate brownish orange clay silt	0.07m	Deposit	1079
243	2	Moderate mid-brown clay silt	0.45m	Fill of [246]	1077
244	2	Moderate light brownish grey clay silt	0.09m	Fill of [246]	1077
245	2	Moderate light grey silty clay	0.05m	Fill of [246]	1077
246	2	North south aligned flat based linear, 0.90m wide.	0.59m	Ditch cut	1070
247	2	Number unassigned			
248	2	Friable black silt. Same as [588]	0.30m	Fill of [192]	1038
249	2	Loose mid-brown, mottled light brown silty sand	0.35m	Fill of [192]	1038
250	2	Loose black silt	0.20m	Fill of [192]	1038
251	2	Same as (587)			1038
252	2	North south aligned flat based linear, 1.30m wide. Same as [025]	0.56m	Ditch cut	1006
253	2	Hard yellowish mid-brown silty clay	0.56m	Fill of [252]	1007
254	2	North south aligned linear, truncated to a width of 0.30m. Same as [234]	0.22m>	Ditch cut	1080
255	2	Fairly compact silt clay, containing charcoal	0.22m>	Fill of [254]	1081
256	2	North-northwest / south-southwest aligned linear, truncated to width of 0.60m. Same as [241]	0.30m>	Ditch cut	1293
257	2	Compact greyish brown clay silt. Same as (240)	0.30m>	Fill of [256]	1294
258	2	Same as [246]			1070
259	2	Compact greenish brown clay	0.30m>	Fill of [258]	1077
260	2	Friable mid-brown clay silt	0.35m	Fill of [258]	1077
261	2	Compact orange clay	0.30m	Fill of [258]	1077
262	2	East west aligned linear, truncated by [273], finds indicate post-medieval date	0.96m>	Ditch cut	1041
263	2	Plastic medium greyish brown silty clay	0.37m	Fill of [262]	1042
264	2	Plastic medium buff brown silty clay	0.62m	Fill of [262]	1042
265	2	Loose black silt	0.15m	Fill of [192]	1038
266	2	Loose very dark grey sandy clay silt	0.80m	Fill of [192]	1038
267	2	Moderate light grey clayey silt	0.17m	Fill of [268]	1084
268	2	Ovoid shaped, 0.33m diameter steep sided cut	0.17m	Pit cut	1084
269	2	Moderate orangey brown silt	0.34m	Natural	1002
270	2	Moderate clay, orange, lensed with bluish grey	0.17m	Natural	1002
271	2	Friable dark greyish brown clayey silt	0.51m	Fill of [273]	1028
272	2	Plastic buff light brown clay	0.16m>	Natural	1001
273	2	East west aligned gradually sided linear. Possible recut of [262], of recent date	0.50m	Ditch cut	1027
274	2	Sub-rectangular flat based cut, measured 0.46m x 0.75m	0.12m	Pit cut	1102
275	2	Compact greenish brown clay	0.12m	Fill of [274]	1102
276	2	Unstratified material from 995E/1010N	-	Unstratified	1273
277	2	NE/ SW aligned linear exposed but not excavated as investigated during the evaluation (Palmer-Brown, 1996b,	-	Ditch cut	1094

		Trench 1)			
278	2	Friable medium reddish brown clayey silt	-	Fill of [277]	1095
279	2	East-west aligned linear, 0.77m wide	0.33m	Ditch cut	1027
280	2	Friable greyish dark brown clayey silt	0.33m	Fill of [279]	1028
281	2	Natural hollow, 0.20m diameter	-	Natural feature	1104
282	2	Hard greyish pinkish light brown clay	0.20m	Fill of [281]	1104
283	2	Sub-circular, 1.64m diameter flat based cut	0.23m	Pit cut	1162
284	2	Soft blackish greyish dark brown silt	0.23m	Fill of [283]	1162
285	2	Moderate Dark greyish brown clayey silt	0.16m	Fill of [286]	1175
286	2	NE/ SW aligned linear, 0.53m diameter	0.16m	Gully cut	1174
287	2	Moderate mid to light brown clayey silt	0.23m	Fill of [288]	1285
288		Not a Feature			
289	2	East west aligned flat based linear, 3.7m> wide	1.05m	Ditch cut	1059
290	2	Compact mid-orange brown clay	0.82m	Fill of [289]	1061
291	2	Compact light bluish grey clay	0.24m	Primary fill of [289]	1061
292	2	North south aligned flat based cut, 1.8m diameter	0.55m	Pit or ditch cut	1153
293	2	Firm mid brown silty clay, cut by [852]	0.55m	Fill of [292]	1154
294	2	Flat based cut, measured 0.20m in diameter	0.25m	Cut feature	1236
295	2	Firm mid to dark brown silty clay	0.25m	Fill of [294]	1236
296	2	Firm mid to dark brown silty clay	0.40m	Deposit	1158
297	2	Loose bright orange, mottled mid-brown silty clay	0.06m	Fill of [852]	1160
298	2	Very firm bright orange clay	0.10m	Fill of [852]	1160
299	2	Hard light grey clay	0.04m	Fill of [852]	1160
300	2	Firm bright orange to mid-brown silty clay	0.12m	Primary fill of [852]	1160
301	2	Loose, mid-orange mottled mid-brown	0.10m	Burnt deposit	1235
302	2	Hard light grey clay	0.03m	Deposit	1235
303	2	Loose mid-orange, mottled mid-brown silty clay	c.0.15m	Deposit	1235
304	2	Sub-circular, 2.10m diameter concave based cut. Cut through [306]	0.27m	Pit cut	1186
305	2	Loose black and very dark grey charcoal and silt deposit	0.27m	Fill of [304]	1186
306	2	NE/ SW aligned steep-sided rectangular pit, measured 2.80 x 1.22m	0.78m	Pit cut	1181
307	2	Loose black charcoal rich silt	0.78m	Fill of [306]	1182
308	2	Void			
309	2	Mid-yellowish brown silty clay	0.25m	Fill of [350]	1185
310	2	Compact light greenish orange clay	0.35m	Fill of [350]	1185
311	2	Orange and light brown clay	-	Natural	
312	2	Firm mid-grey clayey silt	0.07m	Fill of [313]	1175
313	2	NE/ SW aligned, flat based, 0.50m diameter cut	0.07m	Gully cut	1174
314	2	Firm olive greyish brown clayey silt, same as (373)	0.48m	Fill of [344]	1005

315	2	East west aligned flat based cut, 0.55m diameter	0.87m	Ditch cut	1153
316	2	Firm yellowish light brown clay	0.20m	Fill of [315]	1154
317	2	Firm reddish yellowish light brown clay	-	Natural	1001
318	2	Soft greyish light brown silt	0.12m	Fill of [315]	1154
319	2	Friable yellowish greyish light brown silty clay	0.30m	Fill of [315]	1154
320	2	Friable yellowish light brown deposit	0.22m	Fill of [315]	1154
321	2	Friable yellowish mid-brown silty clay	0.17m	Fill of [315]	1154
322	2	Hard orangey yellowish light brown sandy clay	0.04m	Fill of [342]	1157
323	2	Hard orangey light brown silt	0.05m	Fill of [342]	1157
324	2	Hard reddish brown clayey silt	0.05m	Fill of [342]	1157
325	2	Friable yellowish mid-brown to black silt	0.07m	Fill of [342]	1157
326	2	Soft yellowish greyish light brown sand	0.08m	Fill of [342]	1157
327	2	Hard orangey greyish light brown sandy clay	0.06m	Fill of [342]	1157
328	2	Soft reddish mid-brown clayey sand	0.08m	Fill of [342]	1157
329	2	Hard yellowish dark brown silt	0.14m	Fill of [343]	1156
330	2	Friable dark-reddish dark brown silty clay	0.07m	Fill of [343]	1156
331	2	Friable reddish brown fired silt and clay	0.03m	Fill of [343]	1156
332	2	Loose orangey brown fired silt and clay	0.03m,	Fill of [343]	1156
333	2	Firm greyish yellowish dark brown silty clay	0.04m	Fill of [342]	1157
334	2	Loose light yellowish light brown silty sand	0.07m	Fill of [343]	1156
335	2	Concave based 0.54m diameter cut. Same as [489], truncated by [342]	0.12m	Feature cut	1155
336	2	Same as (487)	-	Fill of [335]	1155
337	2	Irregular flat based 1.20m diameter cut.	1.20m	Pit cut	1161
338	2	Loose light grey mottled light brown sand	0.25m	Primary fill of [337]	1161
339	2	Yellow sand deposit	0.09m	Upper fill of [337]	1161
340	2	Concave based 0.24m diameter cut		Post-hole cut	1167
341	2	Fill of 340	0.14m	Fill of 340	1168
342	2	Near vertical, flat based 1.06m> diameter cut, filled with burnt deposits	0.18m	Cut for hearth?	1157
343	2	Fat based, 0.70m diameter cut, filled with burnt deposits truncated by [342]	0.18m	Cut for hearth?	1156
344	2	Linear 1.02m diameter asymmetric concave based cut. Same as [524], [104] and [510], re-cut by [356]. Aligned northwest southeast	1.08m	Ditch cut	1004
345	2	Friable medium greyish brown clayey silt	0.21m	Primary fill of [344]	1005
346	2	Plastic light yellowish greyish brown silty clay	0.85m	Natural deposit	1001
347	2	Linear, steep sided flat based ditch, aligned north/ south.	1.20m	Ditch cut	1187
348	2	Compact mottled orangey brown clay	0.35m	Primary fill of [347]	1184

349	2	Compact light orange brown clay	0.50m	Secondary fill of [347]	1184
350	2	Compact mid-brownish green silty clay	0.40m	Primary fill of [351]	1185
351	2	Linear, 2.90m diameter gradually sided concave based cut, aligned north south	0.65m	Pit re-cut of [347]	1185
352	2	Friable medium greyish yellowish brown clayey silt	0.23m	Dump deposit	1158
353	2	Friable medium yellowish greyish brown clayey silt	0.10m	Secondary fill of [347]	1005
354	2	Friable medium brownish grey silty clay	0.04m	Fill of [344]	1005
355	2	Plastic medium yellowish brown silty clay	0.12m	Upper fill of [344]	1005
356	2	East west aligned concave based linear cut, measured at least 1.76m in diameter.	0.93m	Ditch, re-cut of [344]	1020
357	2	Plastic medium brownish grey clayey silt	0.48m	Primary fill of [356]	1021
358	2	Friable medium greyish brown slightly clayey silt	0.31m	Secondary fill of [356]	1021
359	2	Friable light buff yellowish brown slightly sandy silt	0.19m	Third fill of [356]	1021
360	2	Friable light greyish yellowish brown silty sandy clay	0.14m	Fourth fill of [356]	1021
361	2	Friable light greenish/ greyish brown silty clay	0.10m	Intermediary fill within [356]	1021
362	2	Friable dark greyish brown slightly silty clay	0.45m	Upper fill of [356]	1021
363	2	Not a context		Void	
364	2	Not a context		Void	
365	2	Ovoid, gradually sided concave based cut, 1.30m diameter	0.28m	Pit cut	1186
366	2	Compact dark grey to black clayey silt	0.22m	Upper fill of [365]	1186
367	2	Compact light to mid grey clayey silt	0.08m	Primary fill of [365]	1186
368	2	Sub-rectangular, 2.91m diameter concave based cut aligned northeast/ southwest. Same as [347]	0.52m	Ditch cut	1183
369	2	Friable dark brownish grey silty clay	0.32m	Primary fill of [368]	1184
370	2	Friable dark yellowish brown silty clayey sand	0.36m	Upper fill of [368]	1184
371	2	Plastic dark brownish grey silty clay	0.41m	Primary fill of [344]	1005
372	2	Friable dark yellowish brown clayey silt, slightly sandy	0.26m	Secondary fill of [344]	1005
373	2	Friable medium yellowish greyish brown sandy silt clay	0.48m	Upper of [344]	1005
374	2	Rectangular flat-based cut, measured 2.10 x 2m	0.77m	Pit cut	1246
375	2	Compact dark brown clay silt	0.25m	Fill of [374]	1247
376	2	Compact mid-brownish yellow silty clay	0.30m	Fill of [374]	1247
377	2	Compact mottled orange brown clay	0.14m	Fill of [374]	1247
378	2	Very compact dark grey clay	0.15m	Fill of [374]	1247
379	2	Northeast southwest aligned linear, 0.50m diameter and concave based	0.22m	Gully cut	1199

380	2	Fairly compact dark brown clay silt	0.22m	Fill of [379]	1200
381	2	Soft dark grey clayey silt	0.10m	Fill of [384]	1252
382	2	Moderate mid-grey clayey silt	0.11m	Fill of [384]	1252
383	2	Moderate grey mottled yellow clayey silt	0.22m	Fill of [547]	1252
384	2	Ovoid, 0.60m diameter flat based cut	0.19m	Fill of [547]	1252
385	2	Moderate brownish grey clayey silt	0.25m	Deposit	1151
386	2	Soft light orange to white mottled brown, sandy silt	0.11m	Deposit	1151
387	2	Moderate light brown clayey silt	0.12m	Deposit	1151
388	2	Moderate dark greyish brown clayey silt	1.58m	Deposit	1151
389	2	Moderate deposit of mottled greyish brown/ dark orange clayey silt	0.20m	Fill of [480]	1148
390	2	Moderate mixed deposit of mottled orange, brown and bluish green silty clay and silty sand.	0.20m	Fill of [479]	1146
391	2	Moderate mid-grey mottled orange/ brown clayey silt	0.18m	Fill of [479]	1146
392	2	Moderate dark grey mottled orange/ brown silty clay	0.23m	Fill of [479]	1146
393	2	Sub-circular pit cut, aligned NNE/ SSW and concave based, measured 1.30 x 0.84m	0.19m	Pit cut	1161
394	2	Friable dark greyish brown silty clay	0.19m	Fill of [393]	1161
395	2	Friable dark greyish brown sandy clay	0.08m	Fill of [399]	1159
396	2	Sub-rectangular, stepped near-vertical cut, measured 5 x 2.5m.	1.30m>	Pit cut	1176
397	2	Firm mid-grey mottled mid- brown silty clay	0.50m	Upper fill of [415]	1178
398	2	Firm, mid grey, mottled mid to light brown silty clay	0.60m	Fill of [396]	1177
399	2	Sub-circular concave based cut, aligned NNE/ SSW, measured 0.80 x 0.65m	0.08m	Shallow scoop or pit cut	1159
400	2	Sub-circular, 0.25m diameter, concave based cut	0.30m	Post-hole cut	1169
401	2	Friable dark greyish brown clayey silt	0.30m	Fill of [400]	1170
402	2	Sub-circular, 0.18m diameter concave, near vertical	0.18m	Post-hole cut	1169
403	2	Friable dark greyish brown silty clay	0.18m	Fill of [402]	1170
404	2	Loose black very fine silt	0.10m	Fill of [396]	1177
405	2	Southwest/ northeast aligned, 0.31m wide flat-based cut	0.16m	Possible beam slot	1172
406	2	Friable dark greyish brown sandy clay	0.16m	Fill of [405]	1173
407	2	Same as [422]			1179
408	2	Same as (423)			1180
409	2	Friable medium yellowish brown, clayey silt. Unexcavated	-	Deposit	1158
410	2	Firm mid-brown clayey silt, 30 -40% CBM fragments. Equivalent to (413)	0.10m	Fill of [415]	1178
411	2	Firm mid grey mottled mid-brown silty clay. Same as (414)	0.30m	Fill of [396]	1177
412	2	Loose light brown to beige sandy silt	0.08m	Fill of [415]	1178
413	2	Firm dark brown silty clay, 30-40% CBM fragments. Equivalent to (410)	0.08m	Fill of [415]	1178
414	2	Firm mid-grey, mottled mid brown silty	0.25m	Fill of [415]	1178



		clay. Same as (411)			
415	2	Near vertical sided flat based cut	0.20m	Cut feature	1178
416	2	Firm mid-grey mottled brown silty clay	0.20m	Fill of [415]	1178
417	2	East west aligned flat based linear, 1.10m> diameter	0.70m	Ditch cut	1201
418	2	Compact greenish grey clay	0.24m	Primary fill of [417]	1202
419	2	Compact mottled orange/ dark green clay	0.45m	Fill of [417]	1202
420	2	Sub-circular, concave based pit cut, measured 2m in diameter	0.38m	Pit cut	1203
421	2	Fairly compact bands of black and dark grey clayey silt	0.38m	Fill of [420]	1203
422	2	Northwest southeast aligned, concave based cut, 0.30m diameter	0.12m	Gully cut	1179
423	2	Friable dark greyish brown clayey silt, cut by [313]	0.16m	Fill of [422]	1180
424	2	Compact greenish grey clay	0.25m	Primary fill of [374]	1247
425	2	Compact mid-brown clay silt	0.60m	Fill of [374]	1247
426	2	Compact grey silt clay	0.28m	Fill of [605]	1055
427	2	Sub-circular 0.15m diameter cut	0.15m	Post-hole cut	1167
428	2	Loose mid-grey sand	0.15m	Fill of [427]	1168
429	2	Moderate mid-greyish brown clayey silt	0.20m	Fill of [481]	1150
430	2	Moderate mid-grey, mottled yellowish brown clayey silt	0.30m	Fill of [481]	1150
431	2	Sub-circular 0.31m diameter vertical flat based cut	0.14m	Post-hole cut	1192
432	2	Compact mid-greyish brown clayey silt	0.11m	Fill of [431]	1193
433	2	Sub-rectangular vertically sided flat based cut. Measured 0.8 x 0.62m, aligned northeast southwest	0.21m	Pit cut	1075
434	2	Firm mid to dark brown clayey silt	0.21m	Fill of [434]	1076
435	2	Sub-circular 0.20m diameter concave based cut	0.04m	Possible post-hole cut	1163
436	2	Firm mid brown silt	0.04m	Fill of [435]	1164
437	2	Sub-circular 0.15m diameter concave based cut	0.06m	Possible post-hole cut	1163
438	2	Firm mid-brown clay	0.15m	Fill of [437]	1164
439	2	Irregular based oblong shaped post-hole cut. Measures 0.48 x 0.33m	0.15m	Post hole cut	1190
440	2	Compact mid-brown silty clay	0.15	Fill of [439]	1191
441	2	Northeast southwest aligned flat based linear, 0.90m wide	0.23m	Ditch cut	1165
442	2	Compact dark grey silt	0.23m	Fill of [441]	1166
443	2	North south aligned flat based pit, 0.85 x 0.30m.	0.25m	Pit cut	1189
444	2	Compact dark grey clay. Contained dog burial	0.25m	Fill of [443]	1189
445	2	Northwest southeast aligned oblong shaped pit, 2.70 x 1.35m, flat based.	0.38m	Pit cut	1187
446	2	Compact mid-brown clay	0.28m	Primary fill of [445]	1188
447	2	Compact mid-brown silty clay	0.17m	Fill of [445]	1188
448	2	Very firm black silt	0.01m	Upper fill of	1164

				[435]	
449	2	Fairly compact dark grey/ black clay silt	0.36m	Fill of [445]	1188
450	2	Firm bright orange clay, burnt	0.03m	Fill of [452]	1171
451	2	Firm mid-brown silty clay	0.10m	Primary fill of [452]	1171
452	2	Sub-circular concave based cut, 0.30m in diameter	0.12m	Hearth	1171
453	2	Ovoid vertical concave based cut, measured 0.29 x 0.19m	0.16m	Post -hole cut	1192
454	2	Soft to firm mid grey sandy clay	0.16m	Fill of [453]	1193
455	2	Sub-circular 0.12m diameter cut	0.14m	Stakehole cut	1192
456	2	Moderately compact dark grey clay	0.14m	Fill of [455]	1193
457	2	Irregular flat based cut, measured 1.20 x 0.45m. Post-medieval	0.12m	Gulley cut	1165
458	2	Loose dark brown silt	0.12m	Fill of [457]	1166
459	2	Ovoid, 0.27m diameter fat based vertical cut	0.09m	Post-hole cut	1192
460	2	Compact dark brownish grey clayey silt	0.09m	Fill of [460]	1193
461	2	Friable buff yellowish brown sandy clayey silt. Unexcavated.	-	Natural	1002
462	2	Northeast southwest-aligned concave based 0.40m diameter cut. Same as [508]	0.12m	Gulley cut	1195
463	2	Moderate mid-greyish brown silty clay	0.12m	Fill of [462]	1196
464	2	Irregular , 2.84 x 1.27m cut, aligned NNW-SSE	0.12m	Root disturbance	1194
465	2	Moderate dark greyish black, mottled grey/ orange silty clay	0.12m	Fill of [464]	1194
466	2	Sub-circular 0.15m diameter, vertical flat based cut.	0.10m	Post-hole cut	1192
467	2	Loose dark brown silt	0.10m	Fill of [466]	1193
468	2	East west aligned, 2.20m diameter flat based linear cut.	0.60m	Ditch cut	1201
469	2	Compact orange brown mottled clay	0.40m	Primary fill of [468]	1202
470	2	Compact mid-brown clay	0.48m	Fill of [468]	1202
471	2	Sub-circular concave based cut	0.25m	Pit cut	1203
472	2	Fairly compact dark grey clay silt	0.25m	Fill of [471]	1203
473	2	Moderate orange, mottled bluish green clay	0.24m	Fill of [471]	1144
474	2	Cut feature only partially exposed, 0.15m > diameter and flat based. Same as [517] and [607]	0.24m	Quarry cut	1143
475	2	Moderate orangey brown mottled bluish green clay	0.35m	Natural deposit	1001
476	2	Moderate mid-grey clay silt	0.03m	Deposit	1151
477	2	Soft very light brown mottled orange sand	0.08m	Deposit	1151
478	2	Soft mid-grey mottled orange/ brown silty clay	0.08m	Fill of [479]	1146
479	2	Northeast/ southwest aligned linear, 1.50m diameter and steep sided	1.01m>	Ditch cut	1145
480	2	Northeast southwest-aligned steep sided linear.	0.20m	Ditch cut, re-cut of [479]	1147

481	2	Northeast southwest aligned linear, 3.36m diameter and steep sided.	1.36m>	Ditch cut, re-cut of [479] and [480]	1149
482	2	Moderate mid brown clayey silt	0.46m	Fill of [481]	1150
483	2	Moderate mid to dark grey clayey silt	0.29m	Fill of [481]	1150
484	2	Moderate dark grey clayey silt	0.14m	Fill of [481]	1150
485	2	Moderate mid-grey brown clayey silt	0.07m	Deposit	1152
486	2	Moderate mid-brown clayey silt. Same as (366)	0.15m	Fill of [489]	1155
487	2	Moderate brownish orange clayey silt. Same me as (319)	0.05m	Fill of [489]	1155
488	2	Moderate dark grey to black with a reddish brown surface lense. Same as (325)	0.06m	Fill of [489]	1152
489	2	Flat-based cut, measured 1m> in diameter. Same as [335]	0.20m	Feature cut	1155
490	2	North south aligned linear, 0.35m wide, of post-medieval date	0.08m	Gully cut	1165
491	2	Firm mid to dark grey silty clay	0.08m	Fill of [490]	1166
492	2	Sub-rectangular gradually sided cut, north south aligned 2.60 x 1.20m	0.28m	Pit cut	1281
493	2	Compact orange clay	0.12m	Fill of [492]	1282
494	2	Compact dark brown clay silt	0.28m	Primary fill of [492]	1282
495	2	Sub-circular concave based post hole cut, 0.48 x 0.30m	0.25m	Post-hole cut	1190
496	2	Compact dark brown silt clay	0.25m	Post-hole fill	1191
497	2	Firm mid brown silty clay	-	Alluvial deposit	1002
498	2	Sub-circular concave based cut, 0.50m diameter	0.36m	Pit cut	1286
499	2	Firm mid grey , mottled mid-brown silty clay	0.36m	Fill of [498]	1286
500	2	Irregular, 0.97m diameter gradually sided cut	0.13m	Natural depression	1278
501	2	Compact dark greyish brown silty clay with grey clay mottling	0.13m	Fill of [500]	1194
502	2	Compact dark brown silty clay	0.15m	Primary fill of [468]	1202
503	2	North-south aligned flat based linear, 1.67m diameter. Same as [649]	0.86m	Ditch cut	1008
504	2	Compact orange grey clay	0.40m>	Fill of [503]	1009
505	2	Number unassigned			
506	2	Compact grey clay	0.25m	Fill of [503]	1009
507	2	Compact mottled orange brown clay	0.25m	Fill of [468]	1202
508	2	NE/ SW aligned linear, 0.38m wide and concave based. Same as [462]	0.15m	Gully cut	1195
509	2	Moderate mid-greyish brown silty clay	0.15m	Fill of [508]	1196
510	2	East west aligned linear 1.10m> wide, moderately sloped extended below limits of excavation. Same as [524]	0.66m>	Ditch cut	1004
511	2	Compact mid –orange, mottled grey silty clay.	0.06m	Primary fill of [510]	1005
512	2	Compact mid-grey silty clay	0.32m	Fill of [510]	1005
513	2	Compact mid greyish brown silty clay	0.15m	Fill of [510]	1005
514	2	Compact mid-greyish brown silty clay	0.33m	Fill of [510]	1005

515	2	Sub-circular 1.45m diameter concave based pit. Cut through (609)	0.35m	Pit cut	1277
516	2	Friable dark grey silty clay	0.30m	Fill of [515]	1277
517	2	Same as [474] and [607]			1143
518	2	Same as (608)			1144
519	2	Steep sided concave based cut, 0.20m diameter	0.27m	Post-hole cut	1248
520	2	Friable dark grey silt	0.27m	Fill of [519]	1249
521	2	Regular linear terminal, aligned northwest-southeast, lat based, 1.10m wide	0.46m	Ditch cut	1296
522	2	Firm medium orange brown silty clay	0.30m	Fill of [521]	1297
523	2	Firm mid grey silty clay	0.15m	Primary fill of [521]	1297
524	2	East west aligned linear cut, concave based, 1.40m diameter. Same as [344], [510] and [104]	1.25m	Ditch cut	1004
525	2	Firm light greenish grey silty clay	0.40m	Fill of [524]	1005
526	2	Sub-rectangular, north south aligned steep sided cut, flat based, 1.20m diameter	0.60m	Pit cut	1057
527	2	Friable dark greyish black silt	0.25m	Primary fill of [526]	1058
528	2	Plastic light greyish brown silty clay	0.30m	Fill of [526]	1058
529	2	Northeast southwest aligned flat-based cut, 1.46m wide	0.24m	Ditch cut	1055
530	2	Moderate mid-grey clayey silt	0.24m	Fill of [529]	1056
531	Service Trench	North south aligned cut, 4.5m> long, recorded in contractors service trench. Same as [017] or [027].	0.75m	Pit cut	1230
532	Service Trench	Soft very dark grey silt.	0.50m	Fill of [531]	1230
533	Service Trench	Overburden, ground disturbed by machining	0.25m	Overburden	1273
534	Service Trench	Soft buff yellowish brown silt	1.30m>	Natural	1001
535	2	Moderate to soft orangey brown clayey silt	0.08m>	Natural	1001
536	2	Moderate pale brown clayey silt	0.06m	Fill of [131]	1227
537	2	Mid grey/ mottled green silty clay	-	Alluvial deposit	1002
538	2	Mid yellow sandy silt	-	Deposit	1002
539	2	Mid greyish brown silty clay	-	Deposit	1002
540	2	Sub-ovoid concave based cut, 0.60 x 0.20m, aligned northwest southeast	-	Pit cut	1125
541	2	Firm medium grey silty clay. Contains articulated dog burial	-	Fill of [540]	1125
542	2	Loose dark brown sandy silt	0.15m	Fill of [543]	1127
543		Sub-ovoid cut, aligned southwest northeast, concave based and 2.20m wide	0.15m	Pit cut	1127
544	2	Soft black clayey silt	0.05m	Fill of [384]	1252
545	2	Moderate mixed deposit of mid to dark grey clayey silt with orange brown flecks	0.13m	Fill of [547]	1251
546	2	Moderate orangey grey silty clay	0.07m	Fill of [547]	1251

547	2	Northeast southwest aligned linear, unexcavated.	-	Ditch cut	1250
548	2	Firm mid-orange, mottled mid brown silty clay	0.17m	Alluvial deposit/natural?	1003
549	2	Loose dark brown silt	0.01m	Alluvial deposit/natural?	1003
550	2	Very firm light grey silty clay	0.02m	Alluvial deposit/natural?	1001
551	2	Firm, orange/ grey clay	0.25m	Alluvial deposit/natural?	1001
552	2	Firm orange clay		Alluvial deposit/natural?	1001
553	2	Moderate light to mid grey clayey silt	-	Fill of [547]	1251
554	2	Sub-circular 0.35m diameter flat based cut	0.20m	Post-hole cut	1248
555	2	Loose dark brown sandy silt	0.20m	Fill of [554]	1249
556	2	Friable brownish orange sandy silt	0.20m	Fill of [524]	1005
557	2	Soft light greyish brown silty clay	0.70m	Fill of [524]	1005
558	2	Sub-rectangular steep sided flat-bottomed cut, 1.20m diameter.	0.17m	Pit cut	1128
559	2	Firm dark grey/ mottled mid-orange silty clay	0.17m	Fill of [558]	1128
560	2	Very soft friable dark brown black silt	0.33m	Fill of [503]	1009
561	2	Soft orange brown to dark brown sandy clay	0.35m	Fill of [503]	1009
562	2	Very soft dark brown clayey silt	0.20m	Fill of [503]	1009
563	2	Soft dark orangey brown sandy clay	0.34m	Fill of [503]	1009
564	2	Loose reddish brown sandy silt, burnt.	0.08m	Deposit	1209
565	2	Northeast southwest aligned sub-rectangular cut, 1.12m diameter, flat-based.	0.25m	Pit cut	1208
566	2	Compact black silt	0.14m	Primary fill of [565]	1208
567	2	Compact mid-grey clay silt	0.17m	Fill of [565]	1208
568	2	East-west aligned flat based linear cut, 2.70m> diameter	1.00m	Ditch cut	1204
569	2	Compact greyish brown clay	0.60m	Primary fill of [568]	1205
570	2	Compact dark grey black clayey silt	0.30m	Fill of [568]	1205
571	2	Compact mid-grey silty clay	0.20m	Fill of [568]	1205
572	2	Compact black clayey silt	0.15m	Fill of [568]	1205
573	2	East west aligned concave based linear, 2.20m> wide. Re-cut of [568]	0.98m	Ditch cut	1206
574	2	Compact greenish grey brown clay	0.98m	Fill of [573]	1207
575	2	North-south aligned flat-based linear	0.50m	Ditch cut	1023
576	2	Compact light orange/ mottled grey silty clay	0.57m	Fill of [575]	1024
577	2	Sub-rectangular, square cut pit, 4.50m x 2.55m, flat-based.	0.75m	Pit cut	1039
578	2	North south aligned linear, 1.20m wide, flat based.	0.11m	Ditch cut	1201?
579	2	Linear, aligned northeast to south, 1.05m> wide and steep sided.	0.87m	Ditch cut	1023
580	2	Moderate light to mid grey clay silt	0.17m	Fill of [583]	1054
581	2	Moderate mid grey mottled orange	0.40m	Fill of [583]	1054

		brown clay silt			
582	2	Moderate mid to dark grey silty clay	0.17m	Fill of [583]	1054
583	2	Pit cut, 1.25m diameter pit cut, truncated by [192] and [585]	0.57m	Pit cut	1053
584	2	Moderate mid-grey clay silt	0.24m	Fill of [585]	1056
585	2	Northeast southwest aligned linear, flat based and 1.46m wide. Same as [529] and [605]	0.24m	Ditch cut	1055
586	2	Moderate orange silty clay	0.28m	Natural	1001
587	2	Soft dark grey sandy silt	0.16m	Fill of [192]	1038
588	2	Moderate mid-grey, mottled greenish yellow clayey silt	0.15m	Fill of [192]	1038
589	2	Friable pale yellowish orange sandy silt	0.20m	Fill of [526]	1058
590	2	Firm greyish light brown clayey silt	0.87m	Fill of [579]	1024
591	2	Firm orangey brown to grey clay	0.16m	Fill of [577]	1040
592	2	Hard greyish brown silty clay	0.47m	Fill of [577]	1040
593	2	Soft blackish light brown silt	0.26m	Fill of [577]	1274
594	2	Number assigned			
595	2	Medium firm greyish light brown silt	0.18m	Upper fill of [577]	1274
596	2	Firm soft to friable pinkish mid-grey brownish silt	0.11m	Fill of [578]	1202
597	2	Soft reddish yellowish light brown sandy clay	-	Natural deposit	1001
598	2	Moderate mid-grey clayey silt	0.22m	Fill of [599]	1193
599	2	Sub-circular 0.25m diameter concave based cut	0.22m	Post- hole cut	1192
600	2	Moderate dark grey clayey silt	0.22m	Fill of [601]	1193
601	2	Sub-circular 0.14m diameter concave based cut	0.22m	Post-hole cut	1192
602	2	Loose black silt and charcoal	0.23m	Fill of [577]	1040
603	2	Firm orange silt, containing frequent charcoal and burnt clay	0.14m	Fill of [577]	1274
604	2	Soft dark greyish brown silt	0.54m	Fill of [577]	1040
605	2	Northeast southwest Flat-based linear, 1.00m wide, truncated by [420]. Same as [585] and [529]	0.28m>	Ditch cut	1055
606	2	Firm mid grey silt	0.30m	Deposit	1151
607	2	North south aligned linear, sloping base, 1.2m> diameter. Same as [474] and [517]	0.24m	Quarry cut	1143
608	2	Firm medium grey silt	0.05m	Primary fill of [607]	1144
609	2	Firm, orange mottled grey, silty clay. Same as (473).	0.23m	Upper fill [607]	1144
610	2	Northwest southeast aligned flat-based cut, 0.40m diameter	0.12m	Gully cut	1012
611	2	Friable mid-greyish brown clayey silt	0.12m	Fill of [610]	1013
612	2	Dog-legged northeast-southwest to northeast-southeast aligned linear, 1.50m diameter	0.30m	Ditch cut	1197
613	2	Compact mid-orangey brown silty clay	0.30m	Fill of [612]	1198
614	2	Northwest-southeast aligned flat based linear, 0.45m diameter	0.12m	Gully cut	1012
615	2	Compact light brown clay	0.12m	Fill of [614]	1013

616	2	Blue clay	-	Natural	1001
617	2	Compact orange clay, re-deposited natural	0.08m	Dump deposit	1158
618	2	Friable dark greenish brown sand	0.16m	Alluvial deposit	1158
619	2	North south aligned concave based 0.75m diameter cut	0.35m	Gully cut	1275
620	2	Plastic medium greyish brown silty clay.	0.35m	Fill of [619]	1276
621	2	Plastic medium greyish reddish brown silty clay	0.39m>	Alluvial deposit	1002
622	2	Sub-circular, 0.40m diameter flat-based cut	0.07m	Post-hole cut	1122
623	2	Compact ark brown silty clay	0.07m	Fill of [622]	1124
624	2	Sub-rectangular flat-based cut, measured 2.70 x 1.20m	0.35m	Pit cut	1279
625	2	Northeast- southwest aligned flat-based cut, 0.90m diameter	0.10m	Gully cut	1195
626	2	Friable dark brownish grey silty clay	0.10m	Fill of [625]	1196
627	2	Sub-circular 0.21m diameter concave based cut	0.10m	Post-hole cut	1192
628	2	Friable medium greyish brown mottled dark brownish grey clayey silt	0.10m	Fill of [627]	1193
629	2	Friable medium reddish brown silty clay	-	Natural	1002
630	2	Friable reddish brown clayey silt. Same as (636) unexcavated.	-	Natural deposit?	1002
631	2	Friable medium greyish yellow slightly green silt	-	Deposit	1158
632	2	Friable medium reddish brown clayey silt. Same as (633)	-	Natural	1002
633	2	Friable medium reddish brown clayey silt. Same as (632)	-	Natural	1002
634	2	Same as [652]			1121
635	2	Same as (651)			1118
636	2	Friable medium reddish brown silty clay. Unexcavated.	-	Natural clay	1002
637	2	Compact light brown silty clay	0.15m	Fill of [624]	1280
638	2	Compact pale orange/ blue clay	0.10m	Fill of [624]	1280
639	2	Compact mid-brown silty clay	0.15m	Primary fill of [624]	1280
640	2	Friable dark greyish brown clayey silt	0.50m>	Dump/ alluvial deposit	1158
641	2	Rectangular steep sided cut, 0.90m diameter	0.19m	Pit cut/ ditch terminus	1257
642	2	Friable dark greyish brown sandy silt	0.19m	Fill of [641]	1257
643	2	Northeast to south aligned concave based linear, 1.55m wide.	0.34m	Ditch or pit cut	1201?
644	2	Soft reddish greyish mid brown silt	0.34m	Fill of [643]	1202
645	2	Northeast to southwest aligned flat based linear	0.32m	Ditch or pit cut	1210
646	2	Firm pinkish greyish light brown silty clay	0.33m	Fill of [645]	1211
647	2	Medium pinkish greyish light brown silty clay	0.29m	Fill of [643]	1202
648	2	Loose blackish greyish brown silt	0.07m	Deposit	1212
649	2	North south aligned linear ditch, steep sided, measured 1.50>m in diameter	0.25m	Ditch cut	1008

650	2	Moderate compact dark grey clayey silt	0.29m	Fill of [649]	1009
651	2	Compact light greyish brown silty clay	0.08m	Fill of [652]	1118
652	2	Sub-circular 0.23m diameter concave based cut	0.08m	Post-hole cut	1121
653	2	Friable pale brownish grey silty clay	0.05m	Fill of [654]	1118
654	2	Sub-circular 0.20m diameter concave based cut	0.05m	Post-hole cut	1121
655	2	Very compact light greenish grey clay	0.07m	Fill of [656]	1123
656	2	North south aligned, 0.20m diameter depression	0.07m	Natural depression	1123
657	2	Number Unassigned			
658	2	Number Unassigned			
659	2	Sub-circular flat-based cut 0.30m diameter and flat based	0.10m	Post-hole cut	1122
660	2	Compact dark brown silty clay	0.10m	Fill of [659]	1124
661	2	Sub-circular 0.38m diameter concave based cut	0.12m	Post-hole cut	1122
662	2	Compact mid-greyish brown silty clay	0.12m	Fill of [661]	1124
663	2	Sub-circular 0.32m diameter concave based cut	0.17m	Post-hole cut	1122
664	2	Compact mid-greyish brown silty clay	0.17m	Fill of [663]	1124
665	2	Square, steep sided flat based cut, 0.17m diameter, possibly modern	0.16m	Post-hole cut	1122
666	2	Compact dark grey silty clay	0.16m	Fill of [665]	1124
667	2	Archaeological sondage			
668	2	Soft light greyish brown clayey sandy silt	0.31m	Deposit	1256
669	2	Compact dark grey sandy clay	0.28m	Fill of [649]	1009
670	2	Compact dark orangey grey silty clay	0.30m	Fill of [649]	1009
671	2	East west aligned linear, 0.82m wide and flat based	0.15m	Ditch cut	1139
672	2	Compact very dark grey clayey silt	0.15m	Fill of [671]	1140
673	2	Beam slot, 0.40m wide, turned at a right angle from north-south to west-east	0.15m	Beam slot cut	1016
674	2	Firm very dark grey silt	0.15m	Fill [673]	1018
675	2	Firm mottled mid-orange/ mid-grey silty clay	-	Natural deposit	1002
676	2	Sub-ovoid 1.00m diameter cut, aligned northwest-southeast	0.15m	Natural feature	1123
677	2	Friable light greyish brown silty clay	0.15m	Fill of [676]	1123
678	2	Sub-circular, 0.40m diameter concave based cut	0.05m	Post-hole cut	1113
679	2	Soft mid to dark grey, mottled with orange flakes, clay silt	0.03m	Fill of [678]	1114
680	2	Soft mottled pale brown/ pale grey sandy clay silt	0.04m	Primary fill of [678]	1114
681	2	Northeast southwest aligned linear, 2.75m wide and concave based. Probably contemporary to [649].	0.93m	Ditch cut	1141
682	2	Soft smooth greyish light brown clay	0.37m	Primary fill of [681]	1142
683	2	Soft orange sandy silt	0.10m	Fill of [681]	1142
684	2	Soft orangey greyish light brown silty clay	0.44m	Fill of [681]	1142
685	2	Friable mid-greyish brown clayey silt	0.28m	Fill of [681]	1142



686	2	Firm orangey mid-brown, mottled green clay	0.07m	Deposit	1002
687	2	Same as (675)	-	Natural	1002
688	2	Sub-circular, 0.23m diameter concave based cut	0.13m	Post-hole cut	1113
689	2	Soft to moderate mid-brown clayey silt	0.13m	Fill of [688]	1114
690	2	Medium firm very dark grey silty clay	0.13m	Fill of [691]	1126
691	2	Sub-circular 1.60m diameter concave based cut.	0.13m	Pit cut	1126
692	2	Northeast southwest-aligned 1.32m diameter concave based linear.	0.12m	Ditch cut	1117
693	2	Plastic mid-brown clayey silt	0.12m	Fill of [692]	1112
694	2	East-west aligned, 1.78m diameter flat-based cut	0.58m	Ditch cut	1253
695	2	Dark brown silty clay	0.24m	Fill of [694]	1254
696	2	Plastic orange, mottled brown silty clay	0.33m	Fill of [694]	1254
697	2	Compact/ orange grey clay	0.10m	Primary fill of [694]	1254
698	2	Flat-based cut, measured at least 1.05m> diameter	0.12m	Pit cut	1126
699	2	Firm dark grey clay silty clay mottled with light grey silt	0.12m	Fill of [698]	1126
700	2	Concave based cut, measured 0.25m diameter	0.11m	Post-hole cut	1113
701	2	Soft mid-brown, mottled dark grey, clayey silt	0.11m	Fill of [700]	1114
702	2	Northwest-southeast aligned linear cut, 0.63m diameter and concave based	0.13m	Gully cut	1132
703	2	Friable light greenish grey sandy silt	0.13m	Fill of [702]	1133
704	2	Sub-circular flat based 0.37m diameter cut	0.18m	Post-hole cut	1130
705	2	Friable light brownish grey silty clay	0.18m	Fill of [704]	1131
706	2	Sub-circular 0.45m diameter irregular based cut.	0.20m	Post-hole cut	1130
707	2	Friable light brownish grey silty clay	0.20m	Fill of [706]	1131
708	2	Northwest southeast aligned 1.10m diameter cut	0.35m	Pit cut/ ditch terminal	1134
709	2	Friable dark brownish grey silt	0.35m	Fill of [708]	1135
710	2	Concave based 0.19m diameter cut	0.04m	Post-hole cut	1113
711	2	Soft mid-brown clayey silt	0.04m	Fill of [710]	1114
712	2	Northeast southwest aligned, sub-rectangular 0.17m diameter flat based cut	0.23m	Post-hole cut	1148
713	2	Dark brown silty clay	0.23m	Fill of [712]	1149
714	2	Northeast southwest aligned sub-rectangular cut, measured 2.05 x 1.27m (Unexcavated).	-	Pit cut	1126
715	2	Firm very dark grey silt	-	Fill of [714]	1126
716	2	Northeast southwest aligned irregular cut, measured 1.44m> x 3.01m (Unexcavated).	-	Probable pit cut	1136
717	2	Friable mixed dark greyish brown medium greenish yellowish brown sandy silt	-	Fill of [716]	1136
718	2	Southeast northwest aligned concave based linear 0.95m wide	0.25m	Gully cut	1010
719	2	Moderate mottled pale brown and pale bluish grey silty clay	0.07m>	Natural	1001
720	2	Moderate pale bluish grey silty clay	0.05m	Primary fill of	1011

				[718]	
721	2	Moderate pale bluish grey, mottled dark green silty clay	0.04m	Fill of [718]	1011
722	2	Soft pale brown, mottled pale bluish grey, clayey silt	0.09m	Fill of [718]	1011
723	2	Southwest northeast-aligned concave based cut, 5.35m long, 0.50m diameter cut.	0.31m	Beam slot cut	1105
724	2	Friable medium greyish brown silty clay	0.09m	Fill of [723]	1106
725	2	Sub-circular 0.20m diameter flat-based cut	0.57m	Post-hole cut	1113
726	2	Friable medium brownish grey silty clay	0.29m	Fill of [725]	1114
727	2	North south aligned 0.40m diameter flat-based linear cut	0.57m	Beam slot cut	1105
728	2	Friable medium yellowish greyish brown sandy silt clay	0.57m	Fill of [727]	1106
729	2	Friable medium reddish brown sandy silt	-	Natural	1001
730	2	Friable dark grey silt (unexcavated)	-	Fill of [861]	1255
731	2	Cemented pale-brownish grey clay (unexcavated)	-	Fill of [862]	1255
732	2	Friable mid-reddish brown silty clay (unexcavated)	-	Fill of [863]	1255
733	2	Sub-circular 1.38m diameter concave based cut	0.35m	Pit cut	1111
734	2	Plastic dark brown silty clay	0.35m	Fill of [733]	1111
735	2	Circular 0.22m diameter concave based cut	0.18m	Post-hole cut	1119
736	2	Dark greyish brown silty clay	0.18m	Fill of [735]	1120
737	2	Sub-circular 0.26m diameter flat-based cut	0.13m	Post-hole cut	1119
738	2	Dark greyish brown silty clay	0.13m	Fill of [737]	1120
739	2	Sub-rectangular 0.25m diameter concave based cut.	0.13m	Post-hole cut	1119
740	2	Dark greyish brown silty clay	0.13m	Fill of [739]	1120
741	2	North south aligned sub-circular cut, measured 1.00 x 0.80m (unexcavated)	-	Pit cut	1111
742	2	Dark brown silty clay	-	Fill of [741]	1111
743	2	Sub-circular, 0.38m diameter cut (Unexcavated)	-	Post-hole cut	1119
744	2	Friable light greyish brown sandy silt	-	Fill of [743]	1120
745	2	East west aligned irregular rounded cut (Unexcavated)	-	Cut feature	1119
746	2	Friable light greyish brown sandy silt	-	Fill of [745]	1120
747	2	Sub-circular 0.57m diameter concave based cut	0.15m	Post-hole cut	1119
748	2	Dark greeny brown silty clay	0.15m	Fill of [747]	1120
749	2	Northeast southwest aligned, 1.42m diameter concave based cut	0.61m	Pit cut	1109
750	2	Firm very dark grey silty clay	0.50m	Fill of [749]	1110
751	2	Northeast southwest-aligned 0.57m, diameter concave based cut.	0.09m	Gully cut	1115
752	2	Firm mottled dark grey orange silty clay	0.09m	Fill of [751]	1116
753	2	Sub-circular 0.30m diameter hole cut (Unexcavated)	-	Post-hole cut	1119
754	2	Dark greyish brown silty clay	-	Fill of [753]	1120
755	2	Firm dark grey silty clay	0.13m	Primary fill of [749]	1110

756	2	Plastic reddish greyish brown mottled clay and sandy silt	-	Upper fill of [692]	1112
757	2	Firm mid-green mottled light grey silty clay	-	Natural	1001
758	2	Northeast southwest aligned flat-based, 5.8m long, 2.10m diameter, linear cut.	0.74m	Cut feature	1107
759	2	Firm dark greyish brown silty clay	0.65m	Fill of [758]	1108
760	2	Firm very dark greyish brown silty clay	0.16m	Primary fill of [758]	1108
761	2	Same as (760)			1108
762	2	Irregular based rectangular cut	0.75m	Pit cut	1137
763	2	Friable medium greyish brown sandy clayey silt	0.21m	Fill of [762]	1138
764	2	Friable dark greyish brown sandy clay silt	0.13m	Fill of [762]	1138
765	2	Friable medium greyish brown sandy clayey silt	0.16m	Fill of [762]	1138
766	2	Soft dark bluey grey sandy clay	0.16m	Fill of [762]	1138
767	2	Firm orangey brown silty sand	0.08m	Fill of [762]	1138
768	2	Friable yellowy brown silty sand	0.17m	Fill of [762]	1138
769	2	Soft orangey brown clayey sand	0.27m	Primary fill of [762]	1138
770	2	Friable medium brown sandy clay	0.19m	Fill of [762]	1138
771	2	Buff yellowish brown sand, slightly silty sand. Same as 808	-	Flood deposit	1261
772	2	Sub circular 2.05m diameter irregular based pit cut	0.28m	Pit cut	1267
773	2	Dark grey silty clay	0.18m	Fill of [772]	1267
774	2	Friable brownish grey sandy clay	0.18m	Primary fill of [772]	1267
775	2	Not a feature			
776	2	Friable brownish grey sandy clay	0.07m	Fill of [772]	1267
777	2	Sub-rectangular 0.20m diameter near vertical flat –based cut	0.33m	Post-hole cut	1263
778	2	Soft dark greyish brown silty clay	0.33m	Fill of [777]	1264
779	2	Orangey brown clayey silt	0.06m	Deposit	1260
780	2	Buff yellowish brown fine sand. Identified by J. Rackham	0.13m	Flood deposit	1261
781	2	Soft orangey brown clayey silt	0.18m	Deposit	1260
782	2	Friable greenish brown clayey sand (unexcavated)	-	Flood deposit	1258
783	2	Soft pale brown silty clay	0.06m	Flood deposit	1260
784	2	Friable orangey brown silty sand	0.04m	Flood deposit	1260
785	2	Friable dark greyish brown clayey silt	0.05m	Flood deposit	1260
786	2	Not a context			
787	2	Sub-circular 0.08m diameter vertical sided concave based cut	-	Stakehole cut	1259
788	2	Friable very dark grey silty clay	0.13m	Fill of [789]	1267
789	2	Sub-rectangular concave based cut, measured 2.05 x 1.92m.	0.13m	Pit cut	1267
790	2	0.76m diameter irregular based pit cut	0.16m	Pit cut	1267
791	2	Soft medium brownish grey silty clay	0.16m	Primary fill of [790]	1267
792	2	Soft dark brownish grey silty clay	0.10m	Fill of [790]	1267

793	2	Vertical sided 0.07m diameter cut	0.15m>	Post-hole cut	1263
794	2	Soft very dark brownish grey silty clay	0.15m>	Fill of [793]	1264
795	2	Soft medium brown silty clay. Same as 803	0.23m	Alluvial deposit	1262
796	2	North south aligned sub-circular cut, measured 1.48m x 0.84m, post-medieval (unexcavated)	-	Pit cut	1270
797	2	Friable medium yellowish slightly greyish brown silt	-	Fill of [796]	1270
798	2	Northeast southwest aligned sub-rectangular cut, measured 1.54m> x 1.40m>, post-medieval	0.25m>	Pit cut	1267
799	2	Loose very dark grey silt	0.15m>	Fill of [798]	1267
800	2	Friable light greyish brown sandy silt. Same as (779)		Flood deposit	1262
801	2	Friable very dark greyish brown sandy silt. Post-medieval	-	Deposit	1019
802	2	Friable dark greyish brown sandy silt	-	Deposit	1262
803	2	Friable medium yellowish greyish brown silty clay	-	Deposit	1262
804	2	Friable dark greyish brown sandy silt clay	-	Deposit	1262
805	2	Northeast southwest aligned linear cut, 0.38m diameter (unexcavated)	-	Gully cut	1265
806	2	Friable medium greyish brown sandy silt	-	Fill of [805]	1266
807	2	Friable medium brownish yellow sandy clay	-	Deposit	1262
808	2	Friable buff yellowish brown sandy silt, identified by J Rackham. Same as 771	-	Flood deposit	1261
809	2	Friable buff yellowish brown sandy silt	-	Deposit	1262
810	2	Northeast southwest aligned 0.40m diameter linear cut	-	Gully cut	1289
811	2	Friable dark greyish brown sandy clay	-	Fill of [810]	1290
812	2	Unexcavated sub-rectangular cut, measured 2.60> x 2.80m>	-	Pit cut	1301
813	2	Friable dark greyish brown sandy silt clay	-	Fill of [812]	1301
814	2	Unexcavated, east west aligned linear cut, measured 3.40m> x 0.75m>, only partially exposed.	-	Linear cut	1268
815	2	Friable medium greyish brown sandy silt	-	Fill of [814]	1269
816	2	Friable light greyish brown silt	-	Deposit	1002
817	2	Plastic mottled pale brownish grey / brownish orange sandy silt clay	-	Possible daub deposit	1017
818	2	Plastic medium reddish greyish brown sandy silt clay	0.06m	Deposit	1017
819	2	Plastic mottled medium reddish brown/ greyish brown sandy silt clay	-	Natural	1001
820	2	Friable light greyish brown mottled light reddish brown sandy silt. Possibly marking position of former wall line.	-	Natural deposit	1022
821	2	Plastic bright reddish yellowish brown sandy clay alluvium.	0.04m	Alluvial deposit	1002
822	2	Friable medium greyish brown sandy silt clay	0.26m	Deposit	1038
823	2	Friable very dark grey organic silt	0.20	Fill of [839]	1048
824	2	Friable medium greyish brown sandy silt	0.19m	Fill of [839]	1048

825	2	Friable mixed buff yellowish brown/ light greyish brown pure silty sand	0.12m	Fill of [839]	1048
826	2	Loose dark greyish brown silty sand	0.17m	Fill of [839]	1048
827	2	Friable medium greyish brown sandy silt	0.40m>	Fill of [840]	1049
828	2	Friable dark greyish brown silt	0.18m	Fill of [840]	1049
829	2	Plastic buff yellowish brown pure clay	0.90m	Natural	1001
830	2	Friable medium greyish brown sandy silt	0.27m	Fill of [841]	1051
831	2	Friable dark greyish brown silty clay	0.34m	Fill of [842]	1052
832	2	Plastic light greyish brown clayey silt	0.70m>	Fill of [192]	1038
833	2	Medium grey clayey silt	0.15m	Fill of [192]	1038
834	2	Very dark grey clayey silt	0.14m	Fill of [192]	1038
835	2	Light greyish brown clayey silt	0.06m	Fill of [192]	1038
836	2	Very dark grey clayey silt	0.06m	Fill of [192]	1038
837	2	Mixed light greyish brown, dark greyish brown	0.08m	Fill of [192]	1038
838	2	Friable medium greyish brown silty clay	0.16m	Fill of [192]	1038
839	2	Probable re-cut of [192] only partially exposed due to 'safety step', at least 0.89m wide	0.46m>	Pit cut	1048
840	2	Rounded pit cut, 0.66m> diameter, only partially exposed	0.40>m	Pit Cut	1049
841	2	Vertically sided cut, visible in section only. Heavily truncated by [840] and [842]	0.29>m	Cut feature	1050
842	2	Sub-rectangular cut, rounded, measures 1.20> x 1.10m>.	0.34>m	Pit cut	1052
843	2	Friable medium yellowish greyish brown clayey silt	0.25>m	Deposit	1262
844	2	Friable medium greyish brown mixed with light yellowish reddish brown sandy silt	0.12m	Fill of [798]	1267
845	2	Friable mid-greyish brown sandy silt. Same as 801	0.15m	Overburden	1019
846	2	Unstratified material recovered from grid square 1050/1010.			1273
847	1 and 2	Unstratified material recovered from across the excavation area	-		1273
848	2	Friable orangey greenish light brown silty clay	0.17m	Fill of [681]	1148
849	2	Loose black silt and charcoal deposit	0.23m	Fill of [577]	1274
850	2	Soft blackish light brown silt	0.26m	Fill of [577]	1274
851	2	Hard greyish brown silty clay	0.47m	Fill of [577]	1274
852	2	Sub-circular concave based 1.04m diameter cut	1.04m	Pit cut	1160
853	2	Slightly reddish buff yellowish brown silty clay	0.10m	Natural	1001
854	2	Unexcavated gully cut	-		1010
855	2	Blue clay fill of [854]. Equivalent to 722	-	Fill of [854]	1011
856	2	Re-deposited natural slumpage along edge of [017]	-	Fill of [017]	1033
857	2	Pit cut	-	Pit cut	1126
858	2	Pit cut	-	Pit cut	1126
859	2	Pit cut	-	Pit cut	1151
860	2	Shallow scoop filled with 485	-	Shallow scoop	1152
861	2	Unexcavated feature filled with 730	-	Unexcavated	1255

				feature	
862	2	Unexcavated feature filled with 731	-	Unexcavated feature	1255
863	2	Unexcavated feature filled with 732	-	Unexcavated feature	1255
864	2	Clay deposit shown on Section 13	-	Fill of [029]	1063
865	2	Shell fill of [029]	-	Fill of [029]	1063
866	2	Recut of [577]	-	Pit cut	1274
867	2	Upper fill of [643], same material as (647)	-	Fill of [643]	1202
868	2	Refuse pit re-cutting [396]	-	Pit cut	1178
869	1	Unexcavated pit cut	-	Pit cut	1302
870	1	Fill of [869]	-	Pit fill	1302

# THE POST-ROMAN POTTERY

ANNE BOYLE AND JANE YOUNG

## 1.1. INTRODUCTION

One thousand three hundred and ninety-two sherds of pottery, representing ca. one thousand, one hundred and thirty-one vessels and weighing forty thousand, three hundred and fifty-four grams were recovered from the site. All the material was recorded at archive level in accordance with Lincolnshire County Council's Archaeological Handbook (section 13.4.2) and with the guidelines laid out in Slowikowski, *et al.* (2001). The pottery ranges in date from the Late Saxon to the modern period.

## 1.2. METHODOLOGY

The material was laid out and viewed in stratigraphic order. Sherds were counted and weighed by individual vessel within each

context. The chronology and coding system of the Lincoln Ceramic Type Series was used to assess the pottery (Young *et Al.* 2005: Appendix 1), which was examined visually and using x20 magnification. This data was then added to an Access database.

An archive list of the Post-Roman pottery is included in Appendix 1. The range of pottery, codenames and a summary of sherds and vessels is shown in Table 1.

**Table 1. Pottery codenames and total quantities by fragment count and weight**

Code name	Full Name	Earliest Date	Latest Date	Total sherds	Total vessels
BERTH	Brown glazed earthenware	1550	1800	6	6
BEVO1	Beverley Orange ware Fabric 1	1100	1230	1	1
BEVO2	Beverley Orange ware Fabric 2	1230	1350	1	1
BL	Black-glazed wares	1550	1750	13	9
BORDY	Yellow glazed border ware	1550	1700	2	1
BOSTLT	Boston Glazed ware - Lincoln type	1230	1330	2	2
BOSTTT	Boston Glazed ware - Toynton type	1230	1330	10	6

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BOU	Bourne D ware	1350	1650	31	25
BOUA	Bourne-type Fabrics A, B and C	1150	1400	10	10
CHEA	Cheam Whiteware	1350	1550	2	1

<b>Code name</b>	<b>Full Name</b>	<b>Earliest Date</b>	<b>Latest Date</b>	<b>Total sherds</b>	<b>Total vessels</b>
CIST	Cistercian-type ware	1480	1650	16	12
CREA	Creamware	1770	1830	3	3
DST	Developed Stamford ware	1150	1230	3	3
DUTR	Dutch Red Earthenware	1250	1650	5	5
ELQC	East Lincolnshire Quartz and Chalk fabrics	1100	1220	4	4
EMHM	Early Medieval Handmade ware	1100	1250	8	8
EST	Early Stamford ware	870	1010	4	4
FREC	Frechen stoneware	1530	1680	2	2
GRE	Glazed Red Earthenware	1500	1650	16	14
GRIMT	Grimston-type ware	1200	1550	7	6
GSS	Greensand and shell	1050	1250	3	3
LANG	Langewehe stoneware	1350	1500	2	2
LEMS	Lincolnshire Early Medieval Shelly	1130	1230	2	2
LFS	Lincolnshire Fine-shelled ware	970	1200	1	1
LHUM	Late Humber-type ware	1550	1750	1	1
LKT	Lincoln kiln-type shelly ware	850	1000	53	51
LMF	Late Medieval Finewares	1400	1550	7	1
LMLOC	Late Medieval local fabrics	1350	1550	5	4
LMX	Late Medieval Non-local fabrics	1350	1550	1	1
LS/SNLS	Late Saxon/Saxo-Norman Lincoln Sandy Ware	850	1050	2	2
LSCRUC	Handmade Late Saxon Crucible	870	1080	1	1
LSH	Lincoln shelly ware	850	1000	83	72
LSLOC	Late Saxon Local Fabrics	850	1050	5	5
LSW1	12th century Lincoln Glazed ware	1100	1200	3	3
LSW2	13th to 14th century Lincoln Glazed Ware	1200	1320	6	4
LSW2/3	13th to 15th century Lincoln Glazed Ware	1200	1450	1	1
LSW3	14th to 15th century Lincoln Glazed Ware	1280	1450	1	1
LSWA	Lincoln Glazed ware Fabric A	1100	1500	2	2
LSWV5	Lincoln Sandy Ware Variant Fabric 5	1230	1280	3	3
LSX	Non-local late Saxon fabrics	870	1080	4	3
MARTII	Martincamp ware - Type 2	1500	1600	1	1
MEDLOC	Medieval local fabrics	1150	1450	10	9
MEDX	Non Local Medieval Fabrics	1150	1450	6	6
MISC	Unidentified types	400	1900	4	3
MY	Midlands Yellow ware	1550	1650	2	2
NDST	Nottingham Developed Stamford Ware Type	1180	1230	1	1
NHSLIP	North Holland slipwares	1570	1750	1	1
NOTGL	Light Bodied Nottingham Green Glazed ware	1220	1320	1	1
NOTS	Nottingham stoneware	1690	1900	5	3
NSP	Nottingham Splashed ware	1100	1250	1	1
PEARL	Pearlware	1770	1900	6	4
PMF	Post-medieval fine whiteware	1650	1750	1	1
PMLOC	Post-medieval Local fabrics	1450	1700	4	2



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POTT	Potterhanworth-type Ware	1250	1500	12	11
RAER	Raeren stoneware	1450	1600	4	4

Code name	Full Name	Earliest Date	Latest Date	Total sherds	Total vessels
RGRE	Reduced glazed red earthenware	1600	1850	2	2
SCAR	Scarborough ware	1150	1350	4	4
SIEG	Siegburg-type Ware	1250	1550	3	1
SLEMO	South Lincolnshire Early Medieval Oolitic	1100	1220	1	1
SLOOL	South Lincolnshire Oolitic (generic)	1050	1500	1	1
SLQOF	South Lincolnshire Quartz Oolite & Iron	1050	1500	1	1
SLST	South Lincolnshire Shell Tempered ware	1150	1250	7	5
SNEOT	St Neots-type ware	870	1200	24	16
SNLS	Saxo-Norman Lincoln Sandy Ware	970	1080	33	26
ST	Stamford Ware	970	1200	24	21
STMO	Staffordshire/Bristol mottled-glazed	1690	1800	2	2
STSL	Staffordshire/Bristol slipware	1680	1800	6	6
TB	Toynton/Bolingbroke wares	1450	1750	163	135
TGW	Tin-glazed ware	1640	1770	3	2
THETT	Thetford-type fabrics	1000	1150	19	17
TORK	Torksey ware	850	1100	6	5
TOY	Toynton Medieval Ware	1250	1450	512	433
TOYII	Toynton Late Medieval ware	1450	1550	189	115
TPW	Transfer printed ware	1770	1900	2	2

### 1.3. CONDITION

With the exception of a small number of abraded sherds, the pottery is in a slightly abraded to fairly fresh condition with sherd size mainly falling into the small to medium range (below fifty grams), with an average weight of twenty-nine grams. In total, one hundred and fifteen vessels are represented by more than one sherd and there are fifteen cross-context vessels (Table 2).

Just over two hundred vessels have external and internal soot residues present, perhaps an indication of their domestic or industrial use. Around sixteen sherds (from sixteen

vessels) have soot over broken edges, which suggests they cracked during their use over a fire, or that they were in contact with fire subsequent to their breakage. One vessel (context **178**) has an internal thick carbonised deposit that may be the remains of burnt food. White internal 'kettle fur' deposits, caused by the heating of water or containment of urine, are present on thirty-two vessels. A number of vessels have post fired holes: Two Saxon (context **0028** and **0071**), three Medieval (contexts **0260**, **0316** and **1113**) and a single Post-Medieval vessel (**0604**) are pierced. The example from context **1113** is a medieval Toynton vessel

#### APPENDIX 4

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that also appears to have file marks on the outside of the vessel on the basal angle. Such modifications to pottery vessels are not unusual, though their purpose is not clear.

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**Table 2. Cross-context vessels**

Vessel	Phase	Contexts	Code name	Form type	Sherds	Vessels	Weight
01	6	0208, 0212	GRIMT	large bowl	2	1	22
02	7	0249, 0250	LMF	cup/drinking jug	7	1	64
03	7	0193, 0194	TOYII	Jug	24	1	798
04	7	0193, 0194, 0249	TOYII	Jug	4	1	132
05	7	0172, 0173	CIST	small cup	4	1	28
06	7	0197, 0198	TOYII	Jug	6	1	591
07	7	0197, 0198	TOY	Jar	3	1	91
08	7	0100, 0194	TB	large jug	2	1	308
09	9	0577, 0592	BL	small mug	3	1	19
10	7	0196, 0250	TOYII	small jug	5	1	159
11	7	0196, 0250	TOYII	small jug	2	1	17
12	7	0196, 0250	TOY	Jug	5	1	87
13	7	0196, 0197	TOYII	Jug	6	1	41
14	7	0397, 0398	TOY	drinking jug	5	1	61
15	7	0397, 0398	TOY	jug/jar	2	1	48

Nine vessels have internal wear marks. These may be from use, but it is striking that six of the Toynton Bolingbroke bowls from the assemblage have a worn inner rim. This may be scarring as a result of the way the bowls were stacked in the kiln (with bases resting on the rim of the vessel below).

A number of sherds have imperfections from misfiring. Twenty-two vessels are misfired, with vitrified and blown fabric and overfired glazes; twenty vessels have spalled fabric, which may be a result of underfiring. Eighteen vessels are oxidised over broken edges, suggesting they cracked during firing. A single Toynton vessel (context **398**) is classified as a waster.

#### **1.4. CHRONOLOGY AND SOURCE**

In total, at least one thousand one hundred and thirty-one vessels, in seventy-four identifiable post-Roman pottery ware types, were recovered from the site. The range of

form types is quite restricted with various types of jug, bowl and jar forming the main body of the assemblage. Examples of dishes, cups/mugs, pitchers, curfews and bung hole vessels are also present. A list of illustrated vessels is shown in Table 3.

The majority of the pottery dates to the Medieval and Post-Medieval periods, though the Late Saxon/Saxo-Norman period is well represented (Table 4). The pottery is discussed by ceramic period and site phase. However, some of the material from this site belongs to pottery productions that spanned several ceramic periods, making close dating and estimating residual sherds difficult. For example, the Early Medieval Handmade vessels (EMHM) start to be used in the late 11th century and are known to continue in use in some parts of Lincolnshire into the second half of the 13th century.

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**Table 3. Catalogue of illustrated vessels**

Reference number	context	code name	form type	Catalogue number
drawing 01	016	MISC	Jug	19
drawing 02	198	TB	lamp/candlestick	14
drawing 03	699	TOY	curfew/fish smoker	6
drawing 04	750	TOY	large jug	3
drawing 05	375	TOYII	Jug	7
drawing 06	0569	TB	large bowl	11
drawing 07	571	MISC	large jar	20
drawing 08	397, 398	TOY	drinking jug	5
drawing 09	592	GRE	jar/pipkin	15
drawing 10	592	GRE	large bowl	16
drawing 11	592	TB	large bowl	12
drawing 12	592	BERTH	mug/jug	18
drawing 13	591	GRE	Bowl	17
drawing 14	591	TB	large bowl	13
drawing 15	569	NHSLIP	large footed bowl	21
drawing 16	846	TB	Jug	10
drawing 17	284	EST	jar/pitcher	1
drawing 18	284	TOY	Jug	4
drawing 19	0197	TOYII	Jug	8
drawing 20	196, 250	TOYII	small jug	9
drawing 21	197, 198	TOY	Jar	2
drawing 22	197	RAER	spindle whorl	22

## 1.5. DISCUSSION BY PERIOD

Here the Post-Roman ceramic assemblage is discussed by ceramic period and site phase. A breakdown of vessels by ceramic phase is shown in Table 4, with the number of vessels by site phase shown in Table 5.

### 1.5.1 UNPHASED DEPOSITS

Forty-nine vessels came from unphased deposits. These include a range of material, dating from the Late Saxon to Post Medieval periods.

### 1.5.2. LATE SAXON TO SAXO-NORMAN (PRIOR TO 12TH CENTURY)

At least one hundred and eighty-six vessels predate the late 11th century and are of Late Saxon to Saxo-Norman type; a further forty vessels may date to this period or later.

Of the eight undiagnostic Late Saxon vessels, five have been tentatively identified as Late Saxon Local ware (LSLOC) and three as Late Saxon Non Local ware (LSX). The identifiable vessels consisted of types usually found in Late Saxon and Saxo-Norman contexts elsewhere in this region.

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**Table 4. The total number of sherds, vessels and weight of the pottery by ceramic period**

**Late Saxon to Saxo-Norman (prior to 12th century)**

<b>Code name</b>	<b>Total Sherds</b>	<b>Total Vessels</b>	<b>Weight</b>
EST	4	4	40
LFS	1	1	9
LKT	53	51	710
LS/SNLS	2	2	28
LSCRUC	1	1	1
LSH	83	72	937
LSLOC	5	5	18
LSX	4	3	55
SLOOL	1	1	7
SLQOF	1	1	8
SNEOT	24	16	152
SNLS	33	26	465
ST	24	21	118
THETT	19	17	210
TORK	6	5	51
<b>TOTAL:</b>	<b>261</b>	<b>226</b>	<b>2809</b>

**Early to Late Medieval (12th to 15th century)**

<b>Code name</b>	<b>Total Sherds</b>	<b>Total Vessels</b>	<b>Weight</b>
BEVO1	1	1	1
BEVO2	1	1	4
BOSTLT	2	2	11
BOSTTT	10	6	236
BOUA	10	10	55
DST	3	3	67
ELQC	4	4	35
EMHM	8	8	34
GRIMT	7	6	213
GSS	3	3	23
LEMS	2	2	4
LSW1	3	3	62
LSW2	6	4	81
LSW2/3	1	1	1
LSW3	1	1	10
LSWA	2	2	12
LSWV5	3	3	37
MEDLOC	10	9	238
MEDX	6	6	54
NDST	1	1	2
NOTGL	1	1	11
NSP	1	1	5
POTT	12	11	788
SCAR	4	4	143
SLEMO	1	1	6
SLST	7	5	102
TOY	512	433	12703
<b>TOTAL:</b>	<b>622</b>	<b>532</b>	<b>14938</b>

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**Late Medieval to Post Medieval (15th to mid 16th)**

Code name	Total Sherds	Total Vessels	Weight
BOU	31	25	497
CIST	16	12	144
DUTR	5	5	219
LANG	2	2	576
LMF	7	1	64
LMLOC	5	4	85
LMX	1	1	12
RAER	4	4	67
SIEG	3	1	79
TB	163	135	11177
TOYII	189	115	7424
<b>TOTAL:</b>	<b>425</b>	<b>304</b>	<b>20343</b>

**Post Medieval (16th to 19th)**

Code name	Total Sherds	Total Vessels	Weight
BERTH	6	6	221
BL	13	9	134
BORDY	2	1	18
CHEA	2	1	45
CREA	3	3	104
FREC	2	2	41
GRE	16	14	737
LHUM	1	1	162
MARTII	1	1	5
MY	2	2	61
NHSLIP	1	1	57
NOTS	5	3	81
PEARL	6	4	100
PMF	1	1	9
PMLOC	4	2	147
RGRE	2	2	63
STMO	2	2	52
STSL	6	6	55
TGW	3	2	16
TPW	2	2	37
<b>TOTAL:</b>	<b>80</b>	<b>65</b>	<b>2145</b>

**Table 5. Number of vessels by ware type and phase**

Code name	PHASE											TOTAL
	<>	01	02	03	04	06	07	08	09	10	4/7	
BERTH									6			6
BEVO1						1						1
BEVO2						1						1
BL									9			9
BORDY									1			1
BOSTLT							2					2
BOSTTT						3	3					6
BOU	1						18	2	4			25
BOUA		3				4	2		1			10
CHEA						1						1
CIST							10		2			12

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Code name	PHASE											TOTAL
	-	01	02	03	04	06	07	08	09	10	4/7	
CREA									1	2		3
DST						1	2					3
DUTR						1	2		2			5
ELQC					2	1		1				4
EMHM		1				4	3					8
EST						2	1		1			4
FREC									2			2
GRE	1								13			14
GRIMT						6						6
GSS					1	1	1					3
LANG							2					2
LEMS						2						2
LFS							1					1
LHUM									1			1
LKT	2		13	21	5	6	3	1				51
LMF							1					1
LMLOC	1					1			2			4
LMX							1					1
LS/SNLS					1	1						2
LSCRUC						1						1
LSH	3		12	33	7	11	2	2	1			71
LSLOC					2	3						5
LSW1					2	1						3
LSW2						2	2					4
LSW2/3							1					1
LSW3									1			1
LSWA						1			1			2
LSWV5						2			1			3
LSX					3							3
MARTII									1			1
MEDLOC						5	2		2			9
MEDX	1					4	1					6
MISC						1	2					3
MY									2			2
NDST						1						1
NHSLIP									1			1
NOTGL						1						1
NOTS										3		3
NSP							1					1
PEARL										4		4
PMF									1			1
PMLOC									1			2
POTT						6	5					11
RAER							3		1			4
RGRE	1								1			2
SCAR	2					1	1					4
SIEG	1											1
SLEMO							1					1
SLOOL	1											1
SLQOF						1						1
SLST			1			1	3					5
SNEOT	1				8	5	2					16
SNLS					16	6	3		1			26
ST	1		1	6	8	3	1	1				21
STMO									2			2
STSL									5	1		6
TB	5		4				72	2	52			135
TGW									2			2
THETT				2	9	1	3		1	1		17

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Code name	PHASE											TOTAL
	-	01	02	03	04	06	07	08	09	10	4/7	
TORK					4	1						5
TOY	22		3		1	68	304	4	25	4	2	433
TOYII	6		1			3	94	3	9			116
TPW									1	1		2
<b>TOTAL:</b>	<b>49</b>	<b>4</b>	<b>9</b>	<b>28</b>	<b>109</b>	<b>165</b>	<b>570</b>	<b>18</b>	<b>160</b>	<b>17</b>	<b>2</b>	<b>1131</b>

Four Early Stamford ware (EST) vessels are present, three of which could be identified as pitchers (context **097**, **211**, **314**). Fabrics A and A/D are present, and these date to the late 9th to early 11th century (Young *et al.* 2005: 71). One of the EST vessels (context **284**, drawing 17) is unusual in that it has a fully glazed break. This may be a flaw from firing, or a cut-out in the rim of an odd form.

Lincoln shell-tempered wares, (Lincoln Kiln Type (LKT) and Lincoln Shell-tempered ware (LSH), are present in large numbers with fifty-one LKT and seventy-two LSH vessels appearing in the assemblage. In both wares, jars followed by bowls are the most common form type. LSH fabrics A and E appear most frequently. In Lincoln, both these fabrics occur between the mid/late 9th to mid 11th century (Young *et. al* 2005: 62). Only three of the vessels are decorated, these are all small LSH jars (context **247** & **028**) with square roller stamping on the shoulder. Seven LSH and LKT bowls have inturned rims, and this style of vessel first appears in contexts of the early/mid 10th century.

Two vessels of Late Saxon or Saxo-Norman Lincoln Sandy ware (LS/SNLS) and twenty-six Saxo-Norman Lincoln Sandy ware (SNLS) are present. Jars are the most common SNLS form in this assemblage. SNLS dates to the late 10th to late 11th century, though the two LS/SNLS vessels may be earlier, possibly dating to the late 9th to early 10th century (Young *et. al* 2005: 81 & 46).

Five Torksey ware (TORK) jars are present, all but one of which are sooted. TORK dates between the mid/late 9th and the mid/late 11th century (Young *et. al* 2005: 90)

The Saxo-Norman pottery on the site consists of five different ware types. These vessels are of South Lincolnshire Quartz, Oolite and Iron (SLQOF), South Lincolnshire Oolitic ware (SOOL), St. Neots type wares (SNEOT) and Thetford type wares (THETT). A single example of Lincolnshire Fine Shelled ware (LFS) was tentatively identified. The South Lincolnshire types, though common on sites in the region, are yet to be securely dated.



St Neots ware is mainly found on sites in Lincolnshire from the late 10th century, though it was in production prior to this date (Young *et. al* 2005: 97). The defining feature of SNEOT is the presence of punctate brachiopod in the fabric, though this was not always visible in the sherds from this assemblage. This may represent an as yet unrecognised variant of SNEOT ware, or a new ware type.

There are seventeen THETT vessels present. The sherds are largely undiagnostic in terms of forms, though examples of pitchers, jars and bowl are identifiable. THETT appears in a number of fabrics, and a range of these occur within the assemblage. Fabrics G/T, L/T and T are present, with the latter being most common and represented by six vessels. The Grimston type THETT fabric (G) is thought to date to the mid 11th to 12th century (McCarthy and Brooks 1988: 162), though other THETT wares occur from the mid/late 9th century (Young *et. al* 2005: 99). Two of the THETT vessels are decorated, one with a thumb pressed applied strip (context **709**), another with diamond roller stamped decoration on the shoulder (context **623**).

Most of the forms of the twenty-one Stamford ware (ST) vessels cannot be firmly identified, though jars and pitchers are known to be common forms. A range of ST

fabrics are present; a pitcher in fabric A/G (context **362**) dates to the early to mid/late 11th century. Two vessels in fabric A fall in to the late 9th to the mid 12th century, with later fabric A/B (post the mid to late 11th century) being represented by four vessels. The later fabrics B, B/C and C are also present (representing three, six and three vessels respectively). Fabric B is associated with deposits of the third quarter of the 11th century onwards, and fabrics B/C and C develop after the mid 12th century. The collared jar/pitcher (context **004**) may predate the mid 12th century, when jugs are introduced in Stamford ware.

### Phase 3

Twenty eight vessels came from Phase 3 deposits. The numbers of vessels from these phases are shown in Table 5.

Phase 3 activity on the site related to structures and other features, such as linears and pits. Several features produced pottery, though these are often single sherds. The Phase 3 deposits most commonly contained Lincoln shelly types LKT and LSH. These deposits could only be given the general date span for these wares (late 19<sup>th</sup> to late 10<sup>th</sup> century), though the presence of an inturned rim bowl in feature [1210] suggests a date of the early/mid to late 10<sup>th</sup> century for this deposit.

Two Thetford type ware vessel, one with diamond roller stamping on the shoulder, came from Features [1122] and [1008]. In the latter, a single vessel of Stamford ware (fabric A/B) was also present.

The sherds from the Phase 3 deposits are small and sometimes abraded, and some may have undergone a process of redeposition. Several are sooted, suggesting domestic activity.

#### **Phase 4**

A wider variety of ware types are present in the deposits in Phase 4, which produced one hundred and nine vessels. As with the deposits in Phase 3, many of the features contained single sherds or small groups. Some of the groups contained abraded and flaked sherds, which also suggests these underwent a process of redeposition on the site. Two good groups were recovered from ditches [1141] and [1145] which contain pottery of a possible mid 11<sup>th</sup> to mid 12<sup>th</sup> century date.

The pottery recovered from pits [1066] and [1062] was sooted and appears domestic in character. A single LSH vessel from [1062] had been modified with a post fired hole.

#### **1.5.3 MEDIEVAL (12TH TO 15TH)**

Five hundred and thirty-two of the pottery vessels recovered from the site are of

medieval type. Medieval glazed ware industries have differing start dates, so that some ware types such as Bourne (BOUA) have their origins in the late 12th century, whilst others such as Toynton (TOY) do not start until the mid to late 13th century. Evidence from this site suggests the products of the Toynton pottery industry dominated ceramic assemblages in the area during the Medieval period.

Fifty-three vessels belong to productions that span the period between the 12th century and the mid 13th century. These early vessels include three produced in Lincoln (Lincoln Glazed wares LSW1) and one at Nottingham (Nottingham Splashed ware NSP). A Beverley ware jug (BEVO1) also occurs in the assemblage.

Three of the three Developed Stamford ware (DST) jugs have a copper-speckled glaze, and one has a full copper glaze. These vessels post-date the mid 12th century. A Nottingham Developed Stamford Ware Type vessel is also present. This ware was produced at St. Anne's in Nottingham and is a copy of Developed Stamford ware (Young *et al.* 2005: 127-28).

A single example of South Lincolnshire Early Medieval Oolitic ware (SLEMO) was identified in context **199**. This sherd features rectangular roller stamped decoration. This

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attribute is not usually found on Lincolnshire pottery of this date. though vessels from St. Neots do (McCarthy and Brooks 1988: 176).

Early Medieval Handmade fabrics (EMHM) are represented by eight vessels. Vessels in a variety of unglazed handmade fabrics were made at several centres including Bourne in Lincolnshire and Grimston in Norfolk. EMHM occurs in a number of different fabrics, with two examples in this assemblage recognisable as fabric BOUA E, a product of Bourne in South Lincolnshire.

EMHM fabrics are often long-lived, originating in the late 11th century and continuing in use in parts of Norfolk until late into the 13th century. In Lincoln, the type ceases to be used during the first quarter of the 13th century although elsewhere in Lincolnshire (for example in Boston); evidence suggests that these handmade wares probably continue into the third quarter of the 13th century. All the identifiable vessel forms appear to be jars, mainly the typical hemispherical round-based form, often with a wheel-finished rim.

Three Greensand and Shell (GSS) and two Lincolnshire Early Medieval Shell (LEMS) vessels are present in the assemblage.

Vessels dating to the mid 13th to 15th centuries are most prolific in the assemblage.

Four hundred and thirty-three vessels, mainly jugs, are of Toynton-type (TOY); the fabric of most of these vessels can be paralleled at the main production site at Toynton All Saints, Lincolnshire. Jugs (drawing 04, 21) and jars (drawing 07) are common in the assemblage. A TOY curfew (drawing 03) and a drinking jug (drawing 08) are also present. Examples dateable to the 13th century comprise of at least twelve jugs with applied iron strips in complex patterns and motifs. One example, with a frilled base in imitation of German stonewares, may be later and date to the mid to late 15th century.

Six jugs are cautiously identified as Boston Toynton-type (BOSTTT). These are more finely produced than the Toynton wares and have a slightly different fabric than is known from the excavated kilns. Similar vessels are known from Boston where they are thought to date to the mid 13th to 14th centuries.

Six vessels, mainly jugs, are Lincoln Glazed wares (LSW2, LSW2/3 and LSW3). None of the vessels is likely to date later than the mid 14th century. Two Boston Lincoln Type jugs (BOSTLT) came from context **350**. This type is believed to date to between the early/mid 13th and mid 14th centuries. Another Lincoln type ware type is present in the form of Lincoln Sandy Ware Variant 5 (LSWV5). This has recently been recognised in Louth, where it was defined for the first

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time (Young Forthcoming a). The manufacture and form of these vessels is identical to LSW2, though the fabric is most similar to a Toynton fabric which has common calcareous inclusions. The dating of this ware type is not yet known.

Ten of the medieval vessels found on the site are products of kilns producing Bourne-type wares (BOUA). Production of this type is known at Bourne itself and also at Baston, although there are probably several other production sites still to be found. Three main Bourne-type fabrics used in the medieval period have been identified (Healey 1969: 108-9) although in practise, vessels often appear to be a hybrid of these. The three main fabrics are fine (Fabric A), coarse (Fabric B) and oolitic (Fabric C), though recent work (Boyle and Young 2006) has identified two further fabrics, which appear with fabrics A or A/B as the background fabric. These are defined as:

**Fabric F:** A quartz tempered fabric with sparse to moderate round calcareous grains of limestone in addition to sparse oolitic inclusions up to 2mm.

**Fabric G:** A quartz tempered fabric tempered with moderate to common shell in the fabric.

A wide range of fabrics are identifiable, with B, A/B, A/C and G(A) all present in the assemblage. The medieval Bourne-type vessels can as yet only be assigned to the general period of production known at Bourne to between the late 12th century and the 14th century.

Two medieval shell tempered wares occur in the assemblage. Eleven vessels are Potterhanworth jars or bowls, dating to between the 13th and 15th centuries. Five vessels are South Lincolnshire Shell Tempered ware.

The identifiable non local wares come from various production centres. Four vessels in East Lincolnshire Quartz and Chalk (ELQC) are in the assemblage, all bar one are sooted. These have been tentatively identified, as this ware type is not usually found this far south of the North-East Lincolnshire region. Its presence at Old Leake suggests coastal trade was involved in its distribution.

A single Beverley Ware fabric 2 jug (BEVO2) (context **401**), four Scarborough Ware jugs (one with applied strip decoration) and a Light Bodied Nottingham Green Glazed ware jug (NOTGL) jug are present (context **158**), with the latter dating to the early 13th to early 14th century.

Six vessels are stylistically similar to material produced at Grimston, Norfolk (Clarke and Carter 1977). However, the fabric is unlike that of the known Grimston products and present distribution evidence suggests they may have been produced in South Lincolnshire. Bowls and an example of a jug are present in the assemblage.

The remaining glazed wares are from unknown local (MEDLOC) and non-local (MEDX) productions.

### **Phase 6**

The pottery from Phase 6 was retrieved from a variety of features such as linears, pits and postholes. Several of the features only produced single sherds and many contained residual Late Saxon and Saxo-Norman pottery. One feature, [1149], contained a residual Late Saxon crucible.

Though most groups from this phase are small, some larger assemblages are present. Linear [1004] produced a good group of late 13th to 15th century pottery mainly consisting of Toynton wares, though it also contained residual pottery. [1006] produced a group with a similar date span and range of wares. Pit [1071] had a different composition to most of the features (which contained mainly Toynton wares) as it contained Lincoln Glazed wares (LSW1), Nottingham Light Firing (NOTGL) and

South Lincolnshire Quartz, Oolite and Iron (SLQOF). Though different in comparison to many of the groups found on the site, these are common wares in pottery assemblages from Lincolnshire.

On the whole, the features from Phase 6 produced small, mixed groups of pottery which often have a high residual context. Of the medieval wares, Toynton products dominate though local and regional imports are also present.

### **1.5.4 LATE TO POST MEDIEVAL (LATE 14TH TO MID 16TH)**

A large amount of post-14th century pottery was recovered from the site and three hundred and four vessels can be dated to this period.

One hundred and fifteen Toynton Late Medieval wares (TOYII) are present, with jugs being the most common form (drawing 5). Some of the jugs were in the calcareous fabric (drawing 18, 19, 20). A single example of a TOYII drinking jug is present in context **496**. There are one hundred and thirty-five Toynton Bolingbroke vessels (TB), with bowls (drawing 06, 11, 14) and jugs (drawing 16) dominating the assemblage. A more unusual vessel that may be a candlestick or lamp is present (drawing 02). Several of the TOYII and TB vessels are noted as being misfired, and whilst this

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might be expected for the TB product (as these often have signs of bloating), it is more unusual for TOYII vessels.

Twenty-five Post Medieval Bourne ware vessels (BOU) are present. Post Medieval Bourne (Fabric D – as categorised by Healey 1969) is thought to occur between the mid 15th and the mid 17th centuries. Fabric D has been subdivided into a number of fabric types, but for the purposes of this report the variations were noted as smooth, bumpy or sandy. Visible calcareous grains are often present in the fabric. The smooth variation was the most common type in the assemblage; the sandy types are less frequent.

One Late Medieval Fine ware vessel is present (contexts **249** and **250**). The finish of these is visually similar to Tudor Green ware, and it is possible the sherds come from the same vessel. Other ware types include Local Medieval Fabrics (LMLOC) and Non Local Medieval ware (LMX).

Twelve Cistercian ware vessels are present. These are likely to date to the late 15th to mid 16th century (Boyle 2006: 214). The most common Cistercian ware forms (type 1 posset pots, type 4 cups and type 3 tall cylindrical cups) are present (Brears 1971 and Boyle 2006: 4). The possible source for these vessels is Ticknall in South Derbyshire

(Boyle 2003-04) or the Yorkshire/Humber region to the north, though production of Cistercian ware at the nearby pottery centre of Bourne has recently been postulated (Boyle and Young 2006) and cannot be ruled out as a source.

Imports of Siegburg and Raeren stoneware are present. A Siegburg Jacobakanne (context **846**) and dates to between the late 14th to 15th century. A spindle whorl in the latter fabric (drawing 22, see Hurst *et al.* 1981 fig. 100: 318, globular type 1) is an unusual find, with only a few other examples known in the rest of the country.

#### Phase 7

The amount of pottery recovered from Phase 7 suggests an increase of activity on the site: five hundred and seventy vessels, in comparison to one hundred and sixty-five from Phase 6.

The Toynton products are still the most common ware type present in the groups from Phase 7, though local, regional and imported wares are also present. Whilst the groups still tend to contain few sherds and have a residual content, it is striking that the majority of the cross-context vessels come from Phase 7 deposits, many being associated with feature [1037] (Table 2).

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The presence of Toynton wasters and misfired sherds appears most commonly in Phase 7 deposits (Table 6). These are often associated with pits which may have originally been for clay extraction.

**Table 6 The total sherds, vessels and weight of misfired Toynton vessels by phase**

Phase	Code name	Total sherds	Total vessels	Total weight
-	TOY	1	1	19
06	TOY	3	2	262
07	TB	7	6	822
07	TOY	30	28	989
07	TOYII	28	6	900
09	TOYII	2	2	58

The misfired Toynton sherds span the entire industry, from the Medieval (TOY) to the Late Medieval and Post Medieval periods (TOYII and TB). The presence of these misfired sherds clustering in possible clay extraction pits may suggest production of a Toynton type ware occurred close by.

#### **1.5.5 POST MEDIEVAL TO MODERN (16TH TO 19TH)**

Sixty-five vessels post-date the end of the 15th century, and most date to between the late seventeenth and eighteenth centuries.

A regional import of Cheam whiteware was part of a long lived industry in the south, and one of many wares that make up the Border Ware pottery tradition. Cheam made

tablewares include jugs and drinking vessels (Pearce 1992: 88-89). The presence of a Cheam whiteware (CHEA) jug in the assemblage is an unusual, though not unprecedented, find (drawing 01).

The post-medieval vessels include stonewares and coarsewares. Tin Glazed Ware (TGW), Staffordshire slipware (STSL) and mottled ware (STMO), Brown Glazed Earthenware (BERTH; drawing 12) and Glazed Red Earthenwares (GRE; jar/pipkin, drawing 09; bowls, drawing 10, 13), Midlands Yellow Ware (MY) and a single Yellow Glazed Border Ware vessel (BORDY) are also present.

Two examples of Frechen stoneware, a drinking jug and a bellarmine (contexts **590** and **595**) are present. Single examples of North Holland Slip (drawing 15) and a Martincamp costrel also occur.

The early modern pottery from the site consists of Nottingham stoneware (NOTS), Pearl Ware (PEARL) and Transfer Printed Ware (TPW), though the amount of modern pottery in the assemblage is small.

#### **Phases 8 to 10**

Groups consisting of mainly residual pottery are associated with the features from Phases 8 to 10.

## 1.6. DISCUSSION

A large number of vessels of pre-11th century date are present. The Late Saxon assemblage from the site is dominated by the products of Lincoln (LKT, LSH, LS/SNLS, SNLS), a trend seen in assemblages from across the county. The Saxo-Norman wares in the assemblage encompass a wider geographic area, containing as they do, pottery from South Lincolnshire (Stamford ware), Norfolk (Thetford ware) and Cambridgeshire (St Neots). The majority of the pottery in these deposits spans the late 9th to the 11th century, though there are several contexts that can be closely dated to the early/mid to late 10th century and the mid/late 11th to the mid 12th century.

A previous excavation in Old Leake (SLO03) produced a similar assemblage (Young 2004). At this site, a significant late Saxon assemblage was present dominated by LKT and LSH but, most importantly, containing many SNLS vessels. In the OLV05 assemblage the Lincoln Shell tempered products also dominate, though in a lower amount than at SLO03. In the stratified deposits from OLV05, SNLS, LSH and LKT appear together (contexts **028**, **291**, **293**, **429**, **522**); the former is not in production until the late 10th century, suggesting deposition of these vessels occurred after the late 10th century. This phenomena was also apparent

at SLO03. However, the presence of SNLS at OLV05 was not as dominant as at SLO03.

At SLO03, no crucibles were recovered, though examples do occur in the assemblage from OLV05 (context **0350** and **0430**); the latter may date to the Late Saxon period though both examples appear in medieval deposits (of the late 13th to 14th and early to mid/late 12th century respectively). The presence of crucible fragments suggests some metal working was taking place on the site, though the scale or duration of this industry cannot be surmised.

For the Saxon period, it appears there is little evidence for primary deposition, though contexts **502**, **639**, **052** and **260** have single examples of fresh vessels; there is some evidence for plough damage to some of the Saxon pottery.

The Stamford wares at OLV05 included Early Stamford Wares (EST); interestingly, these were absent at SLO03 and it was noted that this was surprising because of the location of the site and the presence of THETT vessels. At OLV05, only four EST vessels are present, which at least suggests this type did reach the area.

Some of the Stamford wares (ST) present may date to before the late 11th century



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(fabrics A/G, A/B, B), though others are possibly of 12th century date (B/C, C).

The medieval pottery assemblage includes both local and regional material. The presence of small amounts of Beverley ware and East Lincolnshire Quartz and Chalk suggests coastal trade may have brought pottery into the area.

A small number of early, splashed glazed, vessels are present: LSW1 (early/mid 12th to early/mid 13th), NSP Sandy (mid 11th to mid/late 12th century), BEVO1 (splashed glaze; early to the mid/late 12th century). A few other vessels of mid 12th to early 13th century date are present, such as LEMS. Other wares, such as Lincoln Sandy Ware fabric A (LSWA) were in production for the entirety of the medieval period, and thus are difficult to rely on for dating evidence. At SLO03, the assemblage suggests a hiatus during the mid 12th to mid/late 13th century. The paucity of pottery of this date at OLV05 may also indicate that occupation on the site does not continue or is less intense than in previous centuries.

The height of activity on the site appears to have been between the late 13th and 15th centuries when a range of local, regional and continental wares reached the site. The majority of the medieval and post medieval pottery is Toynton ware. The production

sites at Toynton-All-Saints and Toynton Bolingbroke in Lincolnshire are known to have been prolific pottery producers from the late 13th century into the post medieval period. The distance between Old Leake and Toynton is around ten miles, near enough for Toynton products to have been sold there as it is well within the twenty to twenty-five mile radius that pottery tended to travel from its place of manufacture.

It is notable that around six percent of the Toynton wares have signs of being under or over fired. These vessels are likely to be seconds that, though imperfect, still retained a functional value and could be sold. Certainly a few vessels appeared to be borderline wasters, rather than just seconds. These have glaze over breaks (contexts **0011**, **0198**, **0398**, **0592**, **0846**) that could have rendered them structurally unstable and potentially useless. However, it is possible that these are from a production of Toynton-type wares near to Old Leake that is yet to be recognised. At SLO03, the assemblage contained unusual Toynton type vessels, one of which had shell in the fabric. Recent work on assemblages excavated from a pipeline along the east coast of Lincolnshire (SIP04, Young Forthcoming b) and at Louth (LFS04) have revealed a wide range of Toynton fabrics that do not fit into the current range known to be produced at that production centre.

There is evidence for continuation of occupation on the site into the 16th century. The assemblage contains entirely domestic refuse, mainly jars and jugs and although several continental imports occur, none of the other ceramic forms associated with higher status sites were recovered.

Modern finewares were largely absent from the assemblage, suggesting the majority of deposits were sealed by the mid to late 18th century.

### 1.7. SUMMARY

The Post-Roman pottery recovered from the site dates between the late Saxon and the early modern period, with the majority of the material dating to between the late 13th and the 15th century. The Saxon and Medieval assemblage is largely typical of pottery found on sites elsewhere in the locality.

### 1.8. RECOMMENDATIONS

The assemblage should be kept as it would be suitable for further work in the future. The chemical analysis of the Toynton pottery from the site would be of value. This would allow a comparison of the Old Leake Toynton wares to those definitely manufactured at Toynton All Saints and Toynton Bolingbroke to see if they represent a different production. Recent chemical analysis on a group of Toynton pottery from

Partney, Lincolnshire (Vince 2006) would provide a further group against which the Old Leake material could be evaluated.

Some of the vessels are recommended to be drawn.

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# OLV05 Dating

phase	cut group	group	context	date	comments
			0204	15th to 16th	single sherd
			0247	late 9th to late 10th	
			1113	mid 15th to 16th	single sherd
			1115	late 13th to 15th	
	1288	1229	0128	late 9th to 11th	
	1273	1273	0004	16th	
	1273	1273	0148	mid 15th to 16th	single sherd
	1273	1273	0276	late 13th to 15th	single sherd
	1273	1273	0846	mid 15th to mid 16th	another bag late 14th to 15th
	1273	1273	0847	16th	
01	1001	1001	0317	14th to 17th	
01	1104	1104	0282	late 12th to 14th	
02	1119	1119	0739	mid 14th to 15th	
02	1158	1158	0287	mid 15th to 16th	
02	1179	1180	0423	late 15th to 16th	
02	1245	1245	0086	14th to 17th	
03	1008	1009	0560	mid/late 11th to mid 12th	
03	1008	1009	0561	undateable	fired clay only
03	1008	1009	0562	late 9th to late 10th	
03	1008	1009	0563	late 9th to late 10th	single sherd
03	1016	1018	0674	late 9th to late 10th	
03	1082	1082	0235	late 9th to late 10th	
03	1122	1124	0623	late 9th to 11th	single sherd
03	1122	1124	0660	late 9th to late 10th	single sherd
03	1122	1124	0662	late 9th to late 10th	single sherd
03	1122	1124	0664	late 9th to late 10th	single sherd
03	1122	1124	0666	undateable	fired clay only
03	1201	1202	0644	late 9th to late 10th	
03	1201	1202	0647	late 9th to late 10th	single sherd
03	1202	1202	0418	late 9th to 10th	

phase	cut group	group	context	date	comments
03	1202	1202	0469	early/mid 10th to late 10th	
03	1202	1202	0502	late 9th to late 10th	single sherd
03	1210	1211	0646	early/mid 10th to late 10th	single sherd
04	1055	1056	0530	early/mid 10th to late 11th	single sherd
04	1055	1056	0584	late 9th to late 10th	single sherd
04	1060	1060	0124	mid/late 11th to mid 12th	
04	1059	1061	0290	12th	
04	1061	1061	0291	late 10th to early 11th	
04	1062	1063	0028	late 10th to early 11th	
04	1062	1063	0056	late 9th to late 10th	single sherd
04	1066	1067	0052	late 9th to early/mid 11th	
04	1073	1074	0050	late 9th to 12th	
04	1074	1074	0053	undateable	fired clay only
04	1074	1074	0116	late 9th to late 10th	
04	1070	1077	0243	late 9th to late 10th	
04	1070	1077	0259	late 9th to late 10th	single sherd
04	1070	1077	0260	late 9th to 12th	
04	1070	1077	0261	late 9th to 12th	single sherd
04	1080	1081	0232	10th to 12th	
04	1080	1081	0255	late 9th to late 10th	
04	1089	1089	0178	undateable	fired clay only
04	1089	1090	0179	10th to 12th	
04	1117	1112	0693	mid 9th to mid/late 11th	single sherd
04	1296	1129	0522	late 10th to early 11th	
04	1134	1135	0709	late 9th to 11th	
04	1137	1138	0763	mid 12th to early/mid 13th	
04	1137	1138	0765	late 9th to late 10th	single sherd
04	1137	1138	0766	late 9th to late 10th	single sherd
04	1137	1138	0768	late 9th to 12th	single sherd
04	1138	1138	0769	late 9th to late 10th	single sherd
04	1141	1142	0683	mid 11th to early/mid 12th	single sherd
04	1141	1142	0684	undateable	fired clay only
04	1141	1142	0685	11th to 12th	single sherd

phase	cut group	group	context	date	comments
04	1145	1146	0390	mid/late 11th to mid 12th	
04	1145	1146	0391	late 9th to 12th	single sherd
04	1279	1188	0637	early/mid 10th to late 11th	
04	1237	1238	0088	late 10th to mid 11th	single sherd
04	1253	1254	0695	mid/late 11th to mid 12th	
04	1253	1254	0696	11th to 12th	single sherd
04	1257	1257	0642	11th to 12th	
06	1004	1005	0314	15th	
06	1004	1005	0513	late 9th to 12th	
06	1004	1005	0514	late 13th to 15th	
06	1004	1005	0525	late 9th to 12th or late 13th to 15th	
06	1005	1005	0111	late 9th to late 10th	
06	1005	1005	0373	14th to 16th	single sherd
06	1006	1007	0035	late 13th to 15th	single sherd
06	1006	1007	0253	14th to 15th	
06	1012	1013	0615	late 13th to 15th	single vessel; large fragments
06	1021	1021	0358	late 9th to 10th	
06	1021	1021	0362	mid 13th to 15th	
06	1043	1044	0016	14th to 15th	
06	1071	1072	0156	late 13th to 14th	group late 13th to early/mid 14th
06	1071	1072	0157	mid 13th to 14th	group late 13th to early/mid 14th
06	1071	1072	0158	13th to 15th	group late 13th to early/mid 14th
06	1071	1072	0159	13th to 15th	group late 13th to early/mid 14th
06	1096	1097	0105	late 9th to mid/late 11th	single sherd
06	1096	1097	0210	late 9th to 10th	single sherd
06	1096	1097	0211	late 13th to 14th	very mixed
06	1096	1097	0212	12th to 13th	
06	1098	1099	0208	mid 13th to 14th	
06	1101	1101	0165	late 13th to 14th	
06	1102	1102	0275	late 13th to 14th	single sherd
06	1103	1103	0231	late 13th to 15th	single sherd
06	1105	1106	0724	late 13th to 15th	
06	1107	1108	0759	14th to 16th	

phase	cut group	group	context	date	comments
06	1109	1110	0750	14th to 15th	
06	1126	1126	0690	late 13th to 15th	
06	1126	1126	0699	late 13th to 14th	
06	1277	1126	0516	11th to 12th or late 12th to 14th	single sherd
06	1127	1127	0542	15th	
06	1128	1128	0559	late 13th to 15th	
06	1144	1144	0609	late 13th to 15th	single sherd
06	1147	1148	0389	late 13th to 15th	
06	1149	1150	0429	mid 11th to early 12th	
06	1149	1150	0430	early to mid/late 12th	
06	1149	1150	0482	late 9th to 12th	single sherd
06	1149	1150	0483	mid to late 12th	
06	1151	1151	0385	late 13th to 14th	
06	1151	1151	0386	14th to 16th	single sherd
06	1151	1151	0387	early 11th to early/mid 12th	
06	1286	1161	0499	late 13th to 15th	
06	1169	1170	0401	mid/late 13th to 14th	
06	1195	1196	0463	late 11th to mid 13th	single sherd
06	1213	1213	0060	late 13th to 15th	
06	1295	1213	0079	late 13th to 15th	
06	1218	1219	0037	mid 13th to 14th	single sherd
06	1220	1220	0024	late 13th to 14th	single sherd
06	1231	1231	0168	13th to 15th	single sherd
06	1239	1240	0081	13th to 15th	large fresh fragments
06	1239	1240	0215	mid to late 13th	
06	1252	1252	0381	12th to 15th	single sherd
06	1252	1252	0382	mid/late 13th to 15th	
06	1260	1260	0779	13th to 14th	single sherd
06	1260	1260	0781	mid/late 13th to 15th	
07	1029	1030	0019	13th to 15th	
07	1029	1030	0074	late 9th to late 10th	single sherd
07	1031	1032	0076	undateable	fired clay only
07	1031	1032	0229	15th to 16th	

phase	cut group	group	context	date	comments
07	1033	1033	0011	late 13th to 15th	
07	1033	1033	0013	mid 15th to mid 16th	
07	1034	1034	0065	late 15th to 16th	
07	1034	1034	0066	16th	
07	1034	1034	0067	14th to 17th	
07	1034	1034	0068	early to mid 16th	
07	1034	1034	0092	mid 13th to 15th	
07	1035	1034	0224	late 15th to 16th	
07	1035	1036	0137	mid 13th to 15th	
07	1035	1036	0226	mid 15th to 16th	group late 15th to 16th
07	1035	1036	0227	mid 15th to 16th	group late 15th to 16th
07	1037	1038	0194	mid 15th to mid 16th	
07	1037	1038	0196	mid 15th to mid 16th	
07	1037	1038	0197	late 15th to mid 16th	
07	1037	1038	0198	mid 15th to mid 16th	
07	1037	1038	0199	mid 15th to 16th	
07	1037	1038	0222	late 13th to 15th	single sherd
07	1037	1038	0248	late 13th to 15th	
07	1037	1038	0249	mid 15th to 16th	
07	1037	1038	0250	mid 15th to mid 16th	
07	1038	1038	0219	mid 15th to mid 16th	single sherd
07	1038	1046	0220	late 13th to 15th	single sherd
07	1047	1047	0193	mid 15th to mid 16th	
07	1057	1058	0528	14th to 15th or mid 15th to mid 16th	two bags with 2 dates ?
07	1058	1058	0527	mid to late 15th	
07	1299	1064	0007	mid 15th to 16th	
07	1068	1069	0083	15th	
07	1068	1069	0099	14th to 15th	
07	1068	1069	0100	14th to 16th	single sherd
07	1153	1154	0293	late 10th to 12th	
07	1153	1154	0316	late 15th to 16th	
07	1153	1154	0318	late 9th to late 10th	
07	1153	1154	0319	late 9th to 10th	



phase	cut group	group	context	date	comments
07	1161	1161	0394	mid 15th to mid 16th	
07	1162	1162	0284	mid 15th to 16th	
07	1176	1176	0396	late 12th to 14th	
07	1176	1177	0398	mid 15th to mid 16th	
07	1176	1177	0404	undateable	fired clay only
07	1178	1178	0397	mid 15th to 16th	
07	1181	1181	0306	mid 15th to 16th	
07	1181	1182	0307	late 15th to 16th	
07	1184	1184	0348	mid 15th to 16th	
07	1184	1184	0369	late 13th to 15th	
07	1184	1184	0370	mid 15th to 16th	
07	1185	1185	0309	mid 15th to mid 16th	
07	1185	1185	0310	late 13th to 15th	single sherd
07	1185	1185	0350	late 13th to 14th	
07	1186	1186	0305	15th	
07	1186	1186	0367	late 13th to 15th	
07	1187	1188	0449	mid 15th to 16th	
07	1188	1188	0494	late 9th to late 10th	
07	1188	1188	0639	early/mid 10th to late 10th	
07	1189	1189	0444	late 15th to 16th	
07	1191	1191	0496	mid 15th to mid 16th	
07	1192	1193	0432	mid 13th to 15th	single sherd
07	1193	1193	0460	late 13th to 14th	
07	1278	1194	0501	mid 15th to mid 16th	
07	1199	1200	0380	mid 15th to 16th	
07	1203	1203	0421	mid 15th to 16th	
07	1203	1203	0472	mid 15th to 16th	
07	1232	1233	0170	late 13th to 14th	single sherd
07	1232	1233	0172	late 15th to mid 16th	
07	1232	1233	0173	mid 15th to mid 16th	
07	1233	1233	0174	mid 15th to 16th	
07	1283	1233	0187	mid 15th to 16th	
07	1234	1234	0176	late 15th to 16th	single sherd

phase	cut group	group	context	date	comments
07	1241	1241	0033	mid 15th to 16th	
07	1241	1241	0071	late 10th to 12th	
07	1242	1242	0003	mid 15th to 16th	
07	1246	1247	0375	mid 15th to mid 16th	
07	1246	1247	0376	mid 15th to 16th	
07	1246	1247	0425	mid 15th to 16th	
07	1247	1247	0424	mid 15th to 16th	
07	1248	1249	0520	mid 15th to mid 16th	single sherd
07	1262	1262	0795	mid 15th to mid 16th	single sherd
07	1262	1262	0807	mid/late 11th to mid 12th	single sherd
07	1263	1264	0778	mid 15th to mid 16th	single sherd
07	1267	1267	0773	15th to 16th	
07	1267	1267	0774	late 13th to 15th	
07	1267	1267	0799	mid 15th to 16th	
08	1293	1079	0257	mid 15th to 16th	
08	1164	1164	0448	mid 12th to late 12th	single sherd
08	1174	1175	0285	late 13th to 15th	single sherd
08	1174	1175	0312	15th to 16th	
09	1023	1024	0576	late 17th to 18th	some marked (567)
09	1023	1024	0590	late 17th to 18th	
09	1024	1024	0147	mid/late 18th to mid 19th	
09	1026	1026	0144	mid 17th to 18th	
09	1027	1028	0271	19th to 20th	
09	1027	1028	0280	mid 15th to late 16th	
09	1039	1039	0577	late 16th to mid 17th	
09	1039	1040	0591	late 16th to 17th	
09	1039	1040	0592	mid to late 17th	
09	1039	1040	0602	late 17th to 18th	
09	1039	1040	0604	16th	
09	1041	1042	0263	14th to 17th	
09	1041	1042	0264	14th to 17th	
09	1075	1076	0030	late 13th to 15th	
09	1076	1076	0097	late 12th to 14th	

phase	cut group	group	context	date	comments
09	1076	1076	0434	mid 16th to 17th	
09	1165	1166	0442	late 15th to 16th	
09	1166	1166	0491	16th to mid 17th	
09	1204	1205	0571	early/mid 16th to early/mid 17th	
09	1204	1205	0572	late 15th to 16th	
09	1205	1205	0569	late 15th to 16th to late 16th to early 17th	
09	1206	1207	0574	mid 17th to 18th	some marked (544)
09	1208	1208	0567	late 16th to 17th	single sherd
09	1221	1221	0150	14th to 17th	
09	1301	1267	0813	late 17th to 18th	
09	1039	1274	0593	late 17th to mid 18th	
09	1039	1274	0603	undateable	fired clay only
09	1274	1274	0595	mid/late 17th to mid 18th	
10	1019	1019	0845	early to early/mid 19th	
10	1225	1226	0022	14th to 15th	
10	1225	1226	0135	undateable	fired clay only
10	1270	1270	0797	19th to 20th	single sherd
10	1272	1272	0010	late 9th to 12th	
4/7	1250	1252	0383	late 13th to 15th	single sherd

# OLV05 Post Roman Pottery Archive

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
07	1242	1242	0003	BOU	smooth + ca	jug / jar	1	1	27		base				
07	1242	1242	0003	TOY		jug	1	1	80		base			rim stacking scar	
07	1242	1242	0003	TOY		jug	1	1	128		base			spalled during firing; cracked during firing; blistered	
07	1242	1242	0003	TOY		large jug	1	1	231		BS			blistered; internal deposit	
	1273	1273	0004	TOY	+ ca	jug	1	1	37		BS			ridged body; late ?	
	1273	1273	0004	TOY		large jug	1	1	36		BS			late ?	
	1273	1273	0004	SCAR		jug	1	1	77		handle			grooved rod handle; cu glaze	
	1273	1273	0004	RGRE		jar ?	1	1	12		BS			exterior and part interior glaze; ? ID or TB	
	1273	1273	0004	MEDX	reduced; dull oxidised surfaces	jug	1	1	26		BS			red exterior slip; fine sandy common to abundant fine quartz + sparse to moderate sub round to round quartz + medium moderate fe	
	1273	1273	0004	TOY	+ ca	jug	1	1	18		BS			part white slip	
	1273	1273	0004	TOY		jug	1	1	12		BS				
	1273	1273	0004	TB	+ ca	large jug	1	1	101		LHJ			plain strap; no glaze; ? ID	
	1273	1273	0004	TB		jug	2	1	148		rim + neck			upright rim; strap handle with central hollow	
	1273	1273	0004	TOY		jug	1	1	15		neck			late ?	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
	1273	1273	0004	BOU	sandy	jug / jar	2	1	61		BS				
	1273	1273	0004	TOY		large jug	1	1	117		BS			late ?	
	1273	1273	0004	ST	B	collared jar / pitcher	1	1	17		rim			soot; unglazed	
	1273	1273	0004	TOY		jug	1	1	33		BS			late ?	
	1273	1273	0004	SNEOT		jar	1	1	18		rim			unusual everted rim	
	1273	1273	0004	TOY		jug	1	1	29		BS			late ?	
07	1299	1064	0007	ST	C	jar / pitcher	1	1	4		BS			thin blue / green glaze	
07	1299	1064	0007	LSW2/3		jug / jar	1	1	1		BS				
07	1299	1064	0007	BOU	smooth + ca	jug / jar	2	1	1		BS			soot	
07	1299	1064	0007	LSH	E	jar	1	1	8		BS			soot	
10	1272	1272	0010	THETT	T	jar ?	1	1	9		BS			internal soot; ? ID	
10	1272	1272	0010	LSH	A	jar ?	1	1	5		BS			spalled internally; interior fe slip	
07	1033	1033	0011	TOY		jug / jar	1	1	5		BS			cracked during firing; glaze over break	
07	1033	1033	0011	DST	C	jug	1	1	9		BS			thick cu glaze; ? ID	
07	1033	1033	0011	TOY		jug	1	1	8		BS			? ID or BOSTTT; soot	
07	1033	1033	0011	TOY		jug / jar	1	1	6		BS				
07	1033	1033	0011	TOY		jug	1	1	12		BS			high fired	
07	1033	1033	0011	TOY		bowl	1	1	2		BS				
07	1033	1033	0011	TOY	+ ca	jug	1	1	20		BS			odd almost metallic surface	
07	1033	1033	0011	TOY		jug / jar	1	1	22		BS			internal soot ?	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
07	1033	1033	0011	TOY		jug	1	1	11		base			frilled / thumbled base	
07	1033	1033	0011	TOY		jug	1	1	5		BS			? ID or TOY	
07	1033	1033	0013	TOY		small jug	1	1	79		handle			small oval strap; ? ID or TOYII; late; thick blistered glaze; overfired / burnt	
07	1033	1033	0013	TOY		jug	1	1	8		BS			burnt / overfired; ? ID or TOYII; late; thick blistered glaze	
07	1033	1033	0013	TOY		narrow jug	1	1	34		BS			burnt; ? ID or TOYII; late; thick glaze	
07	1033	1033	0013	TOYII		small jug	1	1	15		neck				
07	1033	1033	0013	TOYII		miniature vessel	1	1	1		BS				
07	1033	1033	0013	TOY		jug	1	1	5		BS			internal soot	
06	1043	1044	0016	TOY	light firing + ca	jug	1	1	49		BS				
06	1043	1044	0016	TOY		jar	1	1	25		rim			upright rim with internal hollow	
06	1043	1044	0016	CHEA		barrel shaped jug	2	1	45		BS	drawing 01			15th
06	1043	1044	0016	TOY		jug / jar	1	1	7		neck				
07	1029	1030	0019	SCAR		jug	1	1	1	applied vertical cu strip	BS				
07	1029	1030	0019	NSP	sandy	jug	1	1	5		BS			splashed glaze	
10	1225	1226	0022	TOY		large jug	1	1	147		handle			multi grooved oval strap	
10	1225	1226	0022	TOY		jug	1	1	29		BS				
10	1225	1226	0022	TOY		jug	1	1	17		BS				

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
06	1220	1220	0024	TOY		jug	1	1	32		handle			rod handle	
04	1062	1063	0028	SNLS		jar	1	1	2		BS			soot	
04	1062	1063	0028	SNLS	sessions house	jar	3	1	21		BS			patchy soot	
04	1062	1063	0028	LSH		jar	1	1	7		BS			thick interior soot and over break	
04	1062	1063	0028	SNLS	sessions house ?	?	1	1	31		BS			abraded; ? ID or Newark Type Ware (NEWS)	
04	1062	1063	0028	TORK		jar	1	1	6		BS				
04	1062	1063	0028	LKT		jar / bowl	1	1	8		BS			exterior soot	
04	1062	1063	0028	SNLS	sessions house ?	jar ?	1	1	3		BS			soot	
04	1062	1063	0028	LSH	A	small jar	1	1	35	square roller stamped shoulder	rim			exterior soot and internal upper part of vessel; EVER A1 rim	
04	1062	1063	0028	LKT		jar / bowl	1	1	15		base			interior soot and part external	
04	1062	1063	0028	LSH		jar	1	1	4		BS			interior and exterior soot; abraded	
04	1062	1063	0028	LSH		small jar	1	1	27	square roller stamp	shoulder			post fired hole; exterior soot	
04	1062	1063	0028	LKT		jar / bowl	1	1	2		base				
04	1062	1063	0028	LKT		small jar	1	1	12		base			exterior soot	
04	1062	1063	0028	SNLS	sessions house ?	jar / bowl	1	1	9		BS			patchy soot	
04	1062	1063	0028	SNLS		jar	1	1	1		BS		sample 04		
04	1062	1063	0028	SNLS	sessions house	jar	1	1	1		BS		sample 04		

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
04	1062	1063	0028	LKT		jar	1	1	5		base			abraded; exterior soot	
04	1062	1063	0028	SNLS	sessions house ?	jar / bowl	1	1	6		BS				
04	1062	1063	0028	TORK		small jar	2	1	28		rim + BS			soot; abraded	
04	1062	1063	0028	SNLS		jar	1	1	8		BS		sample 04		
04	1062	1063	0028	SNLS	sessions house ?	jar	1	1	7		BS				
04	1062	1063	0028	SNLS	sessions house ?	jar / bowl	1	1	8		BS			soot	
04	1062	1063	0028	LSX	reduced/light reduced/pale reduced/light reduced/reduced; medium sandy	jar	1	1	14		neck			internal soot; common fine to medium round to sub-round quartz + moderate to common angular fe up to 1.5mm + sparse ca up to 0.8mm + fine black specked background; ? North Lincolnshire Late Saxon Grey (NLLSG)	
04	1062	1063	0028	SNLS		jar / bowl	1	1	45		base			? ID or LSLOC fabric S; internal soot	
04	1062	1063	0028	LKT		jar ?	1	1	29		BS		sample 04	average weight	
04	1062	1063	0028	LKT		jar	1	1	7		BS			exterior soot	
04	1062	1063	0028	LSLOC	dull; OX/R/OX	jar	1	1	8		BS			abundant fine sub-round quartz sparse larger quartz including greensand; occasional ca; moderate fe up to 1mm; occasional flint	
09	1075	1076	0030	TOY		jug	1	1	7		BS				
09	1075	1076	0030	TOY		jug	1	1	4		BS				
09	1075	1076	0030	TOY		jug	1	1	5		BS				



phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
07	1241	1241	0033	MEDLOC	light OX/R/OX; medium to coarse sandy	jug / jar	1	1	12		base			? ID or odd TOY; + striations of white clay + common mixed sub round quartz + occasional greensand; mareham product ?	
07	1241	1241	0033	TOY		jug	1	1	11	thumbed base	base				
07	1241	1241	0033	TOY		small jug / jar	1	1	26		BS			soot	
07	1241	1241	0033	TOY		jar / pipkin	1	1	29		base			soot on untrimmed walls but not underneath	
07	1241	1241	0033	TOY		jug	1	1	12	applied fe strips in complex design	BS			cracked during firing	
07	1241	1241	0033	TB		large bowl	1	1	95		base			thick walled; mortar including over breaks	
06	1006	1007	0035	TOY		jug	1	1	26		base			? ID*	
06	1218	1219	0037	BOSTTT		jug	5	1	176		base + BS			stacking scar; spot of internal soot; ? ID or fine TOY	
04	1073	1074	0050	SNEOT		jar	1	1	4		BS			soot; ? ID as no punctate brachiopod	
04	1073	1074	0050	LSLOC	reduced; medium to coarse shelly	jar	1	1	7		BS			thick external and internal soot; + sparse quartz; wheel thrown ?	
04	1073	1074	0050	LSH	A	?	3	1	6		BS				
04	1066	1067	0052	LS/SNLS		jar	1	1	3		BS				
04	1066	1067	0052	LSH	A	small jar	1	1	4		base			soot	
04	1066	1067	0052	LSH	E	jar	1	1	3		BS			abraded	
04	1066	1067	0052	LSH	E	small jar	1	1	114		BS			interior and exterior soot	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
04	1066	1067	0052	LSH	A	jar ?	1	1	1		BS			soot	
04	1066	1067	0052	LSH	A	jar ?	1	1	1		BS			soot	
04	1062	1063	0056	LKT		jar	1	1	31		BS			part exterior and interior soot	
06	1213	1213	0060	TOY		jug	1	1	5		BS			part burnt glaze	
06	1213	1213	0060	TOY		jug	1	1	5		BS				
07	1034	1034	0065	TB		jug	1	1	21		BS				
07	1034	1034	0065	TOY		jug	1	1	6		BS				
07	1034	1034	0065	TOY		jug	1	1	116		BS				
07	1034	1034	0065	TOY		jug	1	1	3		BS				
07	1034	1034	0065	TOY		jug	1	1	6		BS				
07	1034	1034	0065	TOYII		jug	1	1	24		BS			cracked during firing	
07	1034	1034	0065	MEDX	reduced oxidised surfaces; medium sandy	jug	1	1	2	fe decoration ?	BS		sample 06	? ID; moderate medium quartz + sparse aggregated sst + sparse fe + moderate fine clay pellets or fine grained rock	
07	1034	1034	0065	CIST		posset pot	1	1	4		rim				
07	1034	1034	0065	CIST		?	1	1	1		BS				
07	1034	1034	0065	TOY		jug	1	1	9		BS				
07	1034	1034	0065	BOU	smooth	jug	1	1	70		base			thickened base	
07	1034	1034	0065	TOY		jug	2	1	11		rim		sample 06	upright; splashed glaze	
07	1034	1034	0065	TOY	+ ca	?	1	1	1		BS		sample 06		

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
07	1034	1034	0065	TB		jug	1	1	26	grooved shoulder	BS				
07	1034	1034	0065	TOY		jug	1	1	24		LHJ				
07	1034	1034	0065	BOSTTT		jug ?	1	1	1		BS		sample 06		
07	1034	1034	0065	TB		jug	1	1	21		BS				
07	1034	1034	0065	TOY		jug	1	1	52		BS				
07	1034	1034	0066	TB		large bowl	1	1	93		base			internal soot and spalling	
07	1034	1034	0066	CIST		cup	1	1	2		BS		sample 07		
07	1034	1034	0066	TOYII		jug	1	1	35		rim			hollow rim; worn edge	
07	1034	1034	0066	TB		large bowl	1	1	72		rim			reeded rim	
07	1034	1034	0066	TOY		jug / jar	1	1	38		BS			? ID or TOYII	
07	1034	1034	0066	PMLOC	A	chafing dish	2	1	68	crenellated	rim	removed to fabric type series		? ID; small pierced holes through body	
07	1034	1034	0066	TB		large bowl	1	1	30		rim			rolled rim	
07	1034	1034	0066	TOY		small jug / jar	1	1	9		BS			? ID or TOYII	
07	1034	1034	0066	TOYII		jug	1	1	6		BS			? ID or TOY	
07	1034	1034	0068	TB		large bowl	2	1	86		rim			rolled	
07	1034	1034	0068	TOY		jug	1	1	18		BS			? ID or TOYII	
07	1034	1034	0068	TB		jar	1	1	36		BS		sample 10	internal glaze	
07	1034	1034	0068	TB		large bowl	1	1	161		base			burnt / misfired; internal glaze; concretions	
07	1034	1034	0068	TB		large bowl	1	1	55		rim			rolled; cracked during firing ?	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
07	1034	1034	0068	TB		large bowl / jar	1	1	60		BS			thick internal glaze	
07	1034	1034	0068	TOYII		large jug	1	1	271		BS			? ID or TB; large fragments; internal deposits	
07	1241	1241	0071	THETT	T / G	jar ?	1	1	18		BS			soot; post fired hole	
07	1241	1241	0071	LFS		jar ?	1	1	9		base			soot; ? ID; early or similar to Maxey Ware fabric Q (MAXQ)	
07	1029	1030	0074	LSH	A	?	1	1	1		BS			soot	
06	1295	1213	0079	TOY		jug / jar	1	1	2		BS			flake	
06	1295	1213	0079	DST	B / C	jug	1	1	2		BS			cu mottled glaze	
06	1239	1240	0081	POTT		large jar	1	1	88		rim			sharp everted; large fresh fragments	
06	1239	1240	0081	POTT		large jar	1	1	102		shoulder			large fresh fragments	
07	1068	1069	0083	TB		bowl	1	1	38		rim			sloping; internal hollow and groove; ? ID or TOY	
07	1068	1069	0083	POTT		large jar	1	1	45		BS			soot; ? ID	
07	1068	1069	0083	TOY		jug	1	1	3		BS				
07	1068	1069	0083	TOY	+ ca	jug / jar	1	1	2		BS			? ID	
07	1068	1069	0083	TOY		jug	1	1	3		BS			? ID	
07	1068	1069	0083	TOY		bowl	1	1	5		base			soot	
07	1068	1069	0083	TB		large jug	1	1	21		BS			? ID or TOY	
07	1068	1069	0083	BOU	B	jug / jar	1	1	4		BS				
07	1068	1069	0083	TOY		jug	1	1	25		LHJ			fe concretions or ? TB	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
07	1068	1069	0083	TOY		jug	1	1	7		? BS				
07	1068	1069	0083	TOY		jug	1	1	15		base				
07	1068	1069	0083	TOY		bowl	1	1	38		BS			misfired internal glaze with specks	
07	1068	1069	0083	TOY		bowl	1	1	15		rim			sloping	
07	1068	1069	0083	TOY	+ ca	jug	1	1	3		BS				
07	1068	1069	0083	POTT		jug / jar	1	1	7		BS			abraded	
07	1068	1069	0083	LSW2		jug	1	1	3		BS				
07	1068	1069	0083	TOY	+ ca	jug / jar	1	1	3		BS				
07	1068	1069	0083	TOY		jug	1	1	32		BS				
07	1068	1069	0083	TB		bowl	1	1	15		BS				
07	1068	1069	0083	TOY	+ ca	jug	4	1	81		BS				
07	1068	1069	0083	TOYII		jug	1	1	87		rim with handle			hollow triangular rim; strap handle; multi grooved ?	
07	1068	1069	0083	TOY		jug	1	1	6		BS				
07	1068	1069	0083	TOY		large jug	2	1	87		BS				
07	1068	1069	0083	TOY		jug ?	1	1	9		BS			abraded	
07	1068	1069	0083	TOY		jug / jar	1	1	8		BS			internal deposit	
07	1068	1069	0083	TOY		small jug	2	1	25		BS				
07	1068	1069	0083	TOY		jug	1	1	5		neck				
07	1068	1069	0083	TOY		jug / jar	1	1	2		neck				
07	1068	1069	0083	TOY		jug	1	1	1		BS				

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
07	1068	1069	0083	TOY		small jar / pipkin	1	1	9		base			soot	
07	1068	1069	0083	TB		large jug / jar	1	1	15		BS				
04	1237	1238	0088	SNLS		small jar	1	1	29		BS			small jar; soot; ? ID as abundant quartz; average weight	
07	1034	1034	0092	TOY		jug / jar	1	1	1		BS		sample 09		
07	1034	1034	0092	TOY		jug / jar	1	1	1		BS		sample 09		
09	1076	1076	0097	BOUA	A / C	jar / bowl	1	1	2		BS			internal glaze; internal soot	
09	1076	1076	0097	EST	A	pitcher	1	1	16		rim			abraded internal and external glaze; flat everted rim	
09	1076	1076	0097	LSH		bowl	1	1	55		rim			inturned; soot	
07	1068	1069	0099	TOY		jug	1	1	2	applied fe strip	BS				
07	1068	1069	0099	TOY		jug	1	1	2		BS				
07	1068	1069	0099	TOY		bowl	1	1	22		rim			sloping; two internal grooves	
07	1068	1069	0099	TOY		jar	1	1	2		BS			soot	
07	1068	1069	0100	TB		large jug	1	1	93		BS		vessel 08	red exterior slip; internal deposit; ? ID	
06	1096	1097	0105	TORK		jar	1	1	5		BS			soot	
06	1005	1005	0111	LSH	A	small jar	1	1	7		rim			EVER A 3; exterior soot and over rim	
06	1005	1005	0111	LKT		?	1	1	1		BS			flake	
04	1074	1074	0116	LKT		jar	1	1	24		BS			soot	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
04	1074	1074	0116	LKT		large jar / bowl	1	1	23		BS			soot	
04	1060	1060	0124	ST	A / B	small jar	1	1	7		base			exterior and part internal soot and over break; unglaze	mid/late 11th
04	1060	1060	0124	SNEOT		bowl	1	1	17		rim			inturned	
04	1060	1060	0124	THETT	G / T	jar / pitcher	1	1	10		base			exterior soot	
04	1060	1060	0124	THETT	L / T	small jar	1	1	3		BS			? ID or SNLS	
07	1035	1036	0137	TOY	+ ca	jug / jar	1	1	2		base		sample 11		
07	1035	1036	0137	TOY	+ ca	jug / jar	1	1	2		base		sample 11		
09	1026	1026	0144	TB		large bowl	1	1	27		BS				
09	1026	1026	0144	TB		jug / jar	1	1	19		base			internal glaze ?	
09	1026	1026	0144	TB		jug / jar	1	1	10		BS				
09	1026	1026	0144	TB		jug	1	1	35		BS			large flint inclusions; mortar over break; burnt external glaze	
09	1026	1026	0144	TB		jug	1	1	18		BS				
09	1026	1026	0144	TOY		jug	1	1	46		base				
09	1026	1026	0144	TB		jug / jar	1	1	6		BS				
09	1026	1026	0144	GRE		large bowl	1	1	50		rim				17th to 18th
09	1026	1026	0144	THETT		?	1	1	2		BS			missing external surface; abraded; ? ID or EMHM	
09	1026	1026	0144	BL		bowl / jar	1	1	33		base			staffordshire ?	mid 17th to 18th
09	1026	1026	0144	TOY		jug / jar	1	1	6		BS				

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
09	1026	1026	0144	STSL		thrown bowl	1	1	4		BS			red internal slip; brown skin; ? ID or BERTH	mid 17th to 18th
09	1026	1026	0144	TOY		jug	1	1	16		BS				
09	1024	1024	0147	STSL		press moulded dish	1	1	2	embossed	BS				
09	1024	1024	0147	TB		large bowl	1	1	79		rim			hooked rim	
09	1024	1024	0147	TB		jar ?	1	1	2		BS				
09	1024	1024	0147	CIST		cup	1	1	1		rim				
09	1024	1024	0147	BL		hollow	2	1	19		BS			internal glaze; abraded; local / humber type	18th
09	1024	1024	0147	CREA		?	1	1	16		base				
	1273	1273	0148	TB		large bowl	1	1	95		base				
06	1071	1072	0156	TOY		jug	1	1	8		BS				
06	1071	1072	0156	TOY		jug	1	1	17	applied fe strip	BS				
06	1071	1072	0156	TOY		jug	1	1	9	applied fe strip; complex motif	BS				
06	1071	1072	0156	POTT		large jar	1	1	45		BS				
06	1071	1072	0156	ST	B / C	jar / pitcher	1	1	2		BS			glaze	
06	1071	1072	0156	EMHM	A	jar	1	1	2		BS				
06	1071	1072	0157	LSW1		jug	1	1	12		handle			strap handle; pressed edges	
06	1071	1072	0157	SLQOF	+ ca	jar	1	1	8		base			soot on side; slightly abraded	
06	1071	1072	0157	TOY	+ ca	jug / jar	1	1	15		base			? ID or BOSTTT	



phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
06	1071	1072	0158	TOY		large jug	1	1	14		BS				
06	1071	1072	0158	NOTGL		jug	1	1	11		BS			cu glaze	
06	1071	1072	0158	MEDX		large jug / jar	1	1	4		BS			abraded; streaks of white clay + abundant fine sub-round to round quartz + reduced thin oxidised surfaces + moderate fe	
06	1071	1072	0159	POTT		bowl ?	1	1	17		BS				
06	1071	1072	0159	LKT		jar	1	1	9		rim			soot; EVER A3 rim; soot; abraded	
06	1101	1101	0165	SNLS	sessions house	jar	1	1	12		rim			EVER A 3; soot	
06	1101	1101	0165	TOY		jug	1	1	8		BS				
06	1101	1101	0165	MEDX	OX/R	jug	1	1	5		BS			common medium sub round to round quartz + moderate to common fe; possibly odd LSW2	
06	1101	1101	0165	SCAR		jug	1	1	16		BS			? ID	
06	1101	1101	0165	TOY		jug	1	1	6		BS				
06	1101	1101	0165	TOY		jug	1	1	16		BS				
06	1231	1231	0168	LSWA		jug / jar	1	1	6		BS			soot	
07	1232	1233	0170	TOY		jug ?	1	1	5		BS				
07	1232	1233	0172	RAER		small drinking jug / oil pot	1	1	2		BS				
07	1232	1233	0172	TOY		large jug / jar	1	1	25		BS			low fired; internal and external soot and over break	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
07	1232	1233	0172	CIST		small cup	1	1	8		BS		vessel 05		
07	1232	1233	0173	TOY		jug / jar	1	1	2		BS				
07	1232	1233	0173	CIST		tall / cylindrical cup	1	1	6		BS				
07	1232	1233	0173	CIST		small cup	3	1	20		BS + UHJ		vessel 05		
07	1232	1233	0173	ST	B / C	jug / jar	1	1	9		BS			glaze	
07	1232	1233	0173	TOYII		jug	1	1	57	pressed strip around neck under rim	rim with handle			deep hollow everted rim; wide strap handle; similar to bourne type forms	
07	1232	1233	0173	TOY		jug	1	1	37		BS			internal deposit; burnt / overfired glaze	
07	1232	1233	0173	TOY		jug	1	1	9		BS				
07	1232	1233	0173	TOY		jug	1	1	1		BS				
07	1232	1233	0173	TOY		jug	1	1	5		BS				
07	1232	1233	0173	TOY		large jug	2	1	47		BS				
07	1233	1233	0174	TOYII		narrow jug	1	1	33	multiple rows of incised lines	LHJ				
07	1233	1233	0174	TOY		jug	1	1	5		BS				
07	1233	1233	0174	BOU	smooth	jug / jar	1	1	5		BS				
07	1233	1233	0174	TB		jug	1	1	12		BS				
07	1233	1233	0174	TOY		jug	1	1	5		BS			overfired ?; ? ID or TOYII / TB	
07	1234	1234	0176	TOY		jug ?	1	1	16		BS			high fired	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
04	1089	1089	0178	SNEOT		jar / bowl	3	1	9		BS		sample 77	thick internal carbonised deposit	
04	1089	1089	0178	LKT		?	1	1	1		BS		sample 77		
04	1089	1090	0179	THETT	T	jar	1	1	21		BS			soot	
04	1089	1090	0179	SNEOT		small jar	1	1	8		base			internal shell part leached; ? ID as no punctate brachiopod	
04	1089	1090	0179	SNEOT		jar	5	1	49		BS			thick internal soot; ? ID as no punctate brachiopod	
07	1283	1233	0187	TOY		jug	1	1	5	fe pellets ?	BS			internal deposit; ? ID*	
07	1283	1233	0187	TOY		?	1	1	6		? BS			flake from blowing; ? ID or TB	
07	1283	1233	0187	TB		large bowl	1	1	284		BS			? ID or late TOY; internal and externally spalled; internal and external soot and over edges; low fired	
07	1283	1233	0187	TOY		large jug	1	1	12		BS			? ID or TB	
07	1283	1233	0187	TOYII		jug	1	1	9		rim			? ID or TOY	
07	1283	1233	0187	EMHM	BOUA E	jar	1	1	9		BS			abraded; internal and external soot	
07	1283	1233	0187	LSW2		jug	1	1	1		BS				
07	1283	1233	0187	ST	B / C	jar / bowl / pitcher	1	1	2		base				
07	1047	1047	0193	CIST		cup	1	1	2		handle			thin rod handle	
07	1047	1047	0193	TB		large jug / jar	6	1	210		base			internal deposit	
07	1047	1047	0193	TOYII		jug / jar	6	1	47		BS				

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
07	1047	1047	0193	TOYII		jug	1	1	30		BS			internal deposit; ? ID or TOY	
07	1047	1047	0193	CIST		flared cup	2	1	22		BS + handle				
07	1047	1047	0193	TOYII		jug	1	1	29		BS				
07	1047	1047	0193	TB		bowl	1	1	8		BS				
07	1047	1047	0193	TB		large bowl	1	1	93		rim			sloping with internal hollow and groove / ledge	
07	1047	1047	0193	TOYII		jug	2	1	34		base		vessel 04	blowholes; ? ID or TB	
07	1047	1047	0193	TOYII		jug	7	1	196		base + BS		vessel 03	high fired; spalled at air pocket	
07	1047	1047	0193	TOY		jug / jar	1	1	12		BS			? ID or TOY	
07	1047	1047	0193	TOY		jug / jar	1	1	2		BS				
07	1047	1047	0193	TB		large jug	1	1	83		handle			oval strap; faintly grooved	
07	1047	1047	0193	TOY		jug / jar	1	1	5		BS				
07	1037	1038	0194	TB		bowl	1	1	12		neck				
07	1037	1038	0194	TOY		jug	1	1	7		BS			? ID or TOYII	
07	1037	1038	0194	TOY	+ ca	jug	1	1	12		BS			? ID or TOYII	
07	1037	1038	0194	TB		bowl	1	1	21		BS				
07	1037	1038	0194	TOYII		jug / jar	1	1	54		BS				
07	1037	1038	0194	TOY		jug / jar	1	1	23		base				
07	1037	1038	0194	TOY		jug / jar	1	1	63		base			untrimmed; ? ID or TOYII	
07	1037	1038	0194	TOYII		large jug	1	1	106		BS			stacking scar; ? ID	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
07	1037	1038	0194	TB		large bowl	2	1	67		BS			underfired; unmatured glaze; abundant large lead lumps; slightly everted deep internal hollow	
07	1037	1038	0194	BOU	smooth	small jug ?	1	1	5		BS			thick internal white slip; spots of yellow glaze	
07	1037	1038	0194	TOY	+ ca	jug	1	1	20		BS			? ID or TOYII	
07	1037	1038	0194	TB		large jug / jar	1	1	177		BS			wear or kiln stacking scar mark on basal angle	
07	1037	1038	0194	TB		large bowl	3	1	116		rim + BS			sloping with internal hollow	
07	1037	1038	0194	BOU	smooth	jug / jar	2	1	16		BS				
07	1037	1038	0194	TB		large bowl	1	1	68		rim			sloping with internal groove	
07	1037	1038	0194	TB		large bowl	1	1	198		base				
07	1037	1038	0194	TB		large jug	1	1	215		base		vessel 08	red exterior slip; internal deposit; ? ID; stacking scar	
07	1037	1038	0194	TOY	+ ca	jug / jar	1	1	18		BS			overfired; ? ID or TOYII	
07	1037	1038	0194	TOYII		jug	17	1	602		base + BS		vessel 03	high fired; possible second firing added clay to internal base; fresh breaks	
07	1037	1038	0194	TOY		jug / jar	1	1	9		base			overfired	
07	1037	1038	0194	TOYII		jug	1	1	82		base		vessel 04	blowholes; ? ID or TB	
07	1037	1038	0194	TOY		jug / jar	1	1	6		BS				
07	1037	1038	0194	TOY		jug	1	1	3		BS			? ID or TOYII	
07	1037	1038	0194	TOY		jug	1	1	10		BS			? ID or TOYII	
07	1037	1038	0196	TOYII		jug	4	1	24		neck		vessel 13		

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
07	1037	1038	0196	TOY		jug / jar	1	1	9		BS				
07	1037	1038	0196	SNLS		jar	2	1	12		BS				
07	1037	1038	0196	TOY		jug	1	1	7		BS				
07	1037	1038	0196	TOYII		small jug	1	1	17	thumb pressed strip around shoulder	BS				
07	1037	1038	0196	TOY		jar	1	1	30		rim			everted; drawable	
07	1037	1038	0196	TOY		jug	1	1	19		BS				
07	1037	1038	0196	TOY		jug	1	1	15		BS			misfired glaze	
07	1037	1038	0196	TOYII		small jug	4	1	72		rim + BS	drawing 20	vessel 10		
07	1037	1038	0196	TOY		jug	1	1	5		BS				
07	1037	1038	0196	TOYII		small jug	1	1	1		BS				
07	1037	1038	0196	TOY		jug	1	1	12		BS		vessel 12	internal deposit	
07	1037	1038	0196	TOYII		small jug	1	1	5		BS		vessel 11		
07	1037	1038	0196	DUTR		skillet	1	1	120		rim with handle				
07	1037	1038	0196	TOY		jug	1	1	30		BS				
07	1037	1038	0197	TOY		jug	1	1	35		BS			hard fired	
07	1037	1038	0197	TOY		jug	1	1	17		BS			cracked during firing; ? ID or TOYII	
07	1037	1038	0197	TOY		jug	1	1	18		BS				
07	1037	1038	0197	TOY		jug	1	1	20		BS			hard fired; cracked during firing glaze slightly over edge; ? ID or TOYII	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
07	1037	1038	0197	TB		large bowl	3	1	90		rim			sloping; internal hollow; ? ID or TOYII	
07	1037	1038	0197	RAER		drinking jug	1	1	21		neck			cylindrical	
07	1037	1038	0197	TOY		jug / jar	1	1	46		base				
07	1037	1038	0197	TOY		jug	1	1	72		BS			hard fired	
07	1037	1038	0197	TOYII		jug	2	1	17		BS		vessel 13		
07	1037	1038	0197	TOY	+ ca	jug	1	1	53		BS		sample 21	misfired ?	
07	1037	1038	0197	TOY		large jug	1	1	84		base			blow holes; ? ID or TOYII / TB	
07	1037	1038	0197	RAER		spindle whorl	1	1	21		complete	drawing 22		globular type 1; Hurst et al. 16th 1986 fig. 100: 318,	
07	1037	1038	0197	TOY	+ ca	jug	1	1	53		BS		sample 21	misfired ?	
07	1037	1038	0197	TOY		jug	1	1	4		BS		sample 21		
07	1037	1038	0197	TOY		jug	1	1	4		BS		sample 21		
07	1037	1038	0197	TOY		jar	1	1	45		rim	drawing 21	vessel 07	almost upright; hard fired; late ?	
07	1037	1038	0197	TOY		small jug	1	1	94		base			soot underneath; untrimmed basal edge	
07	1037	1038	0197	TOY		jug	1	1	27		BS			worn internal surface and part glaze	
07	1037	1038	0197	TOYII	+ ca	jug	2	1	72		BS	drawing 19	vessel 06	fresh; ? ID; fine bib glaze; early ?	
07	1037	1038	0198	BOU	smooth	jug / jar	1	1	1		BS				
07	1037	1038	0198	LANG		large jug	1	1	532	frilled footing	base			internal deposit	
07	1037	1038	0198	TOY	+ ca	jug	2	1	79		BS		sample 22	thin walled	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
07	1037	1038	0198	BOU	smooth	jug / jar	1	1	2		BS				
07	1037	1038	0198	TB		large bowl	1	1	87		BS				
07	1037	1038	0198	TOY		jug	1	1	21		BS				
07	1037	1038	0198	LKT		?	1	1	1		BS		sample 22		
07	1037	1038	0198	TOYII	+ ca	jug	4	1	519		rim to lower body	drawing 19	vessel 06	fresh; ? ID; fine bib glaze; early ?; hollow strap handle; slightly everted / flat rim	
07	1037	1038	0198	TB		lamp / candlestick	1	1	239		base	drawing 02			
07	1037	1038	0198	TOY		jug	1	1	19		LHJ			internal deposit; very abraded	
07	1037	1038	0198	TB		large bowl	1	1	26		rim			sloping with internal hollow; broken in firing; glaze over break	
07	1037	1038	0198	TOY	+ ca	jug	1	1	24		BS				
07	1037	1038	0198	TOY		narrow jug	1	1	15		BS				
07	1037	1038	0198	TOYII		jug	1	1	20	applied pressed strip in a snakes design	BS				
07	1037	1038	0198	TOY	+ ca	jug	1	1	63		BS		sample 22		
07	1037	1038	0198	TOY		jug / jar	1	1	16		base				
07	1037	1038	0198	TOY	+ ca	jug	1	1	19		neck				
07	1037	1038	0198	TOY		jar	2	1	46		BS	drawing 21	vessel 07	hard fired; late ?	
07	1037	1038	0198	TOY	+ ca	jug	1	1	32		BS			internal deposit	
07	1037	1038	0198	TOY		?	1	1	1		BS			flake	



phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
07	1037	1038	0198	TOYII		small jug	1	1	23		rim			hollow everted	
07	1037	1038	0198	TOY		jug / jar	1	1	72		BS			? ID or TOYII	
07	1037	1038	0198	TOY		jar	4	1	132		BS			line of sooting starts 45mm above base and goes an unknown amount upwards; internal sooting / deposit line; cracked during firing at base; ? ID or TOYII	
07	1037	1038	0198	TOY		jug / jar	4	1	90		BS			? ID or TOYII; reduced surfaces	
07	1037	1038	0199	TOY		jug	1	1	2		BS				
07	1037	1038	0199	TOY		jug	1	1	22		BS				
07	1037	1038	0199	TB		jug	1	1	6		BS				
07	1037	1038	0199	TOY		jar	1	1	1		BS				
07	1037	1038	0199	TOYII		large jug	1	1	108		rim with UJH			hollow topped rim; wide multi grooved strap	
07	1037	1038	0199	TOYII		jug	1	1	5		BS				
07	1037	1038	0199	TOYII		bowl	1	1	12		BS				
07	1037	1038	0199	TOYII		jug	1	1	59	cordon below rim	rim			everted and hollow topped; stacking / wear mark on rim edge	
07	1037	1038	0199	TOY		jug	1	1	6		rim			inturned; late ?	
07	1037	1038	0199	TOY		jug / jar	1	1	12		BS				
07	1037	1038	0199	TOY		large jug	1	1	192		BS			abraded; late; concretions; water lain ?; late	
07	1037	1038	0199	SLEMO	fine light firing; OX/R/OX	jug / jar	1	1	6	rectangular roller stamping	BS			+ micaceous fabric + common oolitic material; ? ID or STANLY	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
07	1037	1038	0199	TOY		jug	1	1	5		BS			concretions	
07	1037	1038	0199	LKT		jar	1	1	11		BS			burnt	
07	1037	1038	0199	TOY		jug / jar	1	1	3		BS				
07	1037	1038	0199	BOUA	A / C	jug / jar	1	1	2		BS			+ common ca	
07	1037	1038	0199	TOY		jug	1	1	8		BS			misfired glaze	
07	1037	1038	0199	TOYII		jar	1	1	93	thumb pressed strip under rim	rim			everted / upright rim	
07	1037	1038	0199	TOYII		jug	1	1	52	applied thumb pressed strip in snaked design	BS				
07	1037	1038	0199	TOY		jug	1	1	63		BS			high fired	
07	1037	1038	0199	TOY		jug / jar	1	1	1		BS			soot	
07	1037	1038	0199	TOY		jug / jar	1	1	24		base				
07	1037	1038	0199	TOY		large jug / jar	1	1	73		BS			low fired; concretions; abraded	
07	1037	1038	0199	TOY	+ ca	jug	1	1	11		BS				
07	1037	1038	0199	TOY		jug	1	1	12		BS				
07	1037	1038	0199	TOY		jug / jar	1	1	12		BS			concretion	
07	1037	1038	0199	TOYII		small jug	1	1	9		rim			low fired; very abraded	
07	1037	1038	0199	TOY		jar	3	1	42		rim			upright / everted with central hollow	
07	1037	1038	0199	TOYII		bowl	1	1	105		base			spacer / stacking scar	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
			0204	LMLOC		large jar ?	2	1	54		base + BS			soot on walls; reduced with light dull oxidised surfaces; smooth; vesicular with common fine quartz sparse to moderate; medium to common fine fe	
06	1098	1099	0208	GRIMT		large bowl	1	1	21		BS			internal splashed glaze	
06	1098	1099	0208	GRIMT	C	large bowl	1	1	56		rim		vessel 01	? ID; unglazed	
06	1098	1099	0208	BOSTTT		small jug	1	1	21		BS			? ID or TOY	
06	1098	1099	0208	TOY		small jar	1	1	5		rim			hollow everted; ? ID or BOSTTT	
06	1096	1097	0210	LSH		small jar	1	1	4		BS			soot exterior and part interior	
06	1096	1097	0211	TOY	+ ca	jug / jar	2	1	25		BS				
06	1096	1097	0211	SNLS		small jar	2	1	24		BS			? ID; quite fine quartz; part internal and part external soot	
06	1096	1097	0211	EST	A	pitcher	1	1	5		BS			glaze	late 10th to mid 11th
06	1096	1097	0211	GRIMT	C	jar / bowl	1	1	18		BS			unglaze	
06	1096	1097	0211	MEDX	OX/R	jug	1	1	12		BS			occasional clay pellets + common mixed sub-round to round quartz + moderate small rounded black inclusions + occasional flint	
06	1096	1097	0212	SNLS		jar	1	1	22		base			internal and external soot	
06	1096	1097	0212	GRIMT	C	large bowl	1	1	22		rim		vessel 01	unglaze; ? ID; no glaze	
06	1096	1097	0212	GRIMT	C	large vessel	1	1	5		BS			flake; unglazed; ? ID	
06	1096	1097	0212	SNLS		jar	2	1	38		rim			EVER C; soot	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
06	1239	1240	0215	LSW2		jug	1	1	11		BS			cu glaze; ? ID more like a Nottingham Glazed Ware (NOTG) / LSW2 cross	
06	1239	1240	0215	LSW2		jug	3	1	66		neck			corrugated; rounded cuff rim	
07	1038	1038	0219	TOY		large jug	1	1	19		base			? ID or TB	
07	1038	1046	0220	TOY		jug	1	1	67		BS			cracked during firing	
07	1037	1038	0222	TOY	+ ca	jug	1	1	30		BS				
07	1035	1034	0224	CIST		small cup	1	1	70		base			concave base; red fabric	
07	1035	1034	0224	TOYII		jug	1	1	12		BS				
07	1035	1036	0226	TOYII		large jug	3	1	354		BS with UHJ + base			cracked at base during firing; fresh breaks with no joins	
07	1035	1036	0226	TB		large bowl	1	1	31		rim			sloping rim with internal grooving	
07	1035	1036	0226	TB		large bowl	1	1	48		rim			rolled rim with internal hollow; burnt / misfired internal glaze	
07	1031	1032	0229	TOY		jug	1	1	8		BS				
07	1031	1032	0229	TOY		jug	1	1	55		handle			oval strap with a central groove; burnt / overfired	
06	1103	1103	0231	TOY		jug ?	2	1	11		BS			? ID; coarse fabric	
04	1080	1081	0232	THETT	G / T	?	1	1	8		BS			internal soot	
04	1080	1081	0232	LSH	A	jar / bowl	1	1	20		BS			red internal slip; part internal or external soot and over break; spalled surface	
03	1082	1082	0235	LKT		?	1	1	2		BS			flake; soot	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
03	1082	1082	0235	LKT		jar	1	1	2		BS			flake	
04	1070	1077	0243	LKT		jar	1	1	7		BS				
04	1070	1077	0243	LSH	E	jar	1	1	3		BS			exterior soot; abraded	
			0247	LKT		small jar	1	1	12		BS			interior and exterior soot; abraded; leached surfaces	
			0247	LSH	A	small jar	1	1	10	square roller stamp on shoulder	BS			soot	
			0247	LSH	A	jar / bowl	3	1	21		base			soot; abraded	
			0247	LKT		jar	1	1	2		BS			soot	
			0247	LSH	A	small jar	1	1	8		BS			exterior and part interior soot	
07	1037	1038	0248	TOY		jug	1	1	17		BS				
07	1037	1038	0248	TOY		jar	1	1	15		rim			hollow everted	
07	1037	1038	0248	TOY		jug	1	1	19		BS			internal deposit ?	
07	1037	1038	0249	TOY		jug	1	1	6		BS			fresh breaks	
07	1037	1038	0249	LMF	tudor green	cup / drinking jug	6	1	50		BS		vessel 02		
07	1037	1038	0249	TOYII		jug	1	1	16		base		vessel 04	blowholes; ? ID or TB	
07	1037	1038	0249	DUTR		footed cookpot / pipkin	1	1	87		base			exterior soot and over break	
07	1037	1038	0249	TOY		jug	1	1	390		base			slightly concave; indent 22 mm above base; untrimmed base; internal deposit	15th
07	1037	1038	0249	TOYII		jug	1	1	52	pressed strip at handle edge	LHJ				

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
07	1037	1038	0249	TOY		large jug	2	1	23		BS			? ID or TB	
07	1037	1038	0249	TOY		jug	1	1	15		BS			cracked at basal angle	
07	1037	1038	0249	TOY		jug	5	1	48	incised grooves on shoulder	BS			?ID*	
07	1037	1038	0249	TOYII		large jug	1	1	279		handle			oval strap	
07	1037	1038	0249	TOY		jug / jar	1	1	24		BS			interior and exterior soot and over break	
07	1037	1038	0249	TOY		jug	1	1	16		BS				
07	1037	1038	0249	TB		large bowl	1	1	7		rim			lead lump; ? ID or TOY; flake	
07	1037	1038	0249	TB		jug	1	1	14		BS				
07	1037	1038	0249	TOY		jar	1	1	56		rim			hollow everted; internal soot	
07	1037	1038	0249	TOY		jug	1	1	17		BS			fresh breaks	
07	1037	1038	0249	TOY		large bowl	1	1	46		BS			low fired; spalled internal glaze; light firing; probably TB	
07	1037	1038	0250	TOY		jug	1	1	70		BS			misfired	
07	1037	1038	0250	TOYII		jug	1	1	17		BS				
07	1037	1038	0250	TOY		jug	1	1	86		BS			? ID or TOYII	
07	1037	1038	0250	LMF	tudor green	cup / drinking jug	1	1	14		base		vessel 02		
07	1037	1038	0250	TOYII		small jug	1	1	12		BS		vessel 11		
07	1037	1038	0250	TOY		jug	4	1	75		BS		vessel 12	internal deposit	
07	1037	1038	0250	TOY		jar	2	1	38		BS			internal deposit; low fired	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
07	1037	1038	0250	TOYII		small jug	1	1	87		BS	drawing 20	vessel 10		
06	1006	1007	0253	TOY		jug / jar	1	1	19		BS			spalled exterior	
06	1006	1007	0253	TOY		jug	1	1	35		base				
06	1006	1007	0253	GRIMT		small vessel	1	1	29		BS			average weight	
06	1006	1007	0253	EMHM		jar ?	1	1	2		BS		sample 26		
06	1006	1007	0253	TOY		jug	25	1	427	multi grooved shoulder	rim + BS			long cuff rim	
04	1080	1081	0255	LSX	dark reduced; medium sandy	jar	2	1	14		BS			soot; knife trimmed; abundant medium round to sub round quartz; sparse larger rounded quartz; includes greensand ?; sparse fe	
04	1080	1081	0255	LSH	A	jar	1	1	2		BS				
04	1080	1081	0255	LKT		jar	1	1	2		BS			abraded	
08	1293	1079	0257	BOU	sandy	small jug / jar	1	1	6		BS			? ID or very odd TOY; white slip	
08	1293	1079	0257	LKT		jar	1	1	3		neck			abraded	
08	1293	1079	0257	TOYII	+ ca	small jug / drink jug	1	1	5		neck				
08	1293	1079	0257	TOY		jar	1	1	42		BS			or TOYII ?	
08	1293	1079	0257	LKT		jar ?	1	1	3		BS			abraded; internal soot	
08	1293	1079	0257	TOY		jug	1	1	42		BS			late ?	
08	1293	1079	0257	LSH	A	jar / bowl	1	1	2		BS			very abraded; leached	
08	1293	1079	0257	LKT		jar ?	1	1	2		BS			abraded; internal and external soot	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
08	1293	1079	0257	TOY	+ ca	jug	1	1	18		BS			or odd BOU ?	
08	1293	1079	0257	LSH	A	small jar	3	1	6		base			soot	
08	1293	1079	0257	TOYII		jug	1	1	146	pressed strip around neck	rim with UHJ			slightly everted rim	
08	1293	1079	0257	BOU	slightly sandy + ca	jug / jar	1	1	8		BS				
04	1070	1077	0259	LSH	A	jar	1	1	5		BS			abraded; common carbonised vegetation voids	
04	1070	1077	0260	LSH	A	jar	1	1	62		base			internal deposit or red slip; exterior soot	
04	1070	1077	0260	SNEOT		jar / bowl	1	1	3		BS			exterior soot; small post fired hole; fine shelled; handmade ?	
04	1070	1077	0261	LSH	E	jar	1	1	1		BS				
09	1027	1028	0271	TB		bowl	1	1	9		BS				
09	1027	1028	0271	TPW		cup / jug	1	1	29	coloured lithograph of flower	BS			average weight	
06	1102	1102	0275	TOY		jug	1	1	1	fe decoration	BS				
	1273	1273	0276	TOY	+ ca	jug	2	1	201		base			late ?; thumbbed	
09	1027	1028	0280	LSH	E	jar	1	1	23		rim			EVER A 3	
09	1027	1028	0280	LKT		jar	1	1	21		base			part internal and external soot and over break	
09	1027	1028	0280	CIST		cup	1	1	2	applied yellow pad	BS				
09	1027	1028	0280	BOU	slightly bumpy	bowl	1	1	12		BS			internal glaze	
01	1104	1104	0282	BOUA	A/B	jar	1	1	1		BS				
01	1104	1104	0282	EMHM	BOUA E	jar	1	1	1		BS			soot ?	



phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
01	1104	1104	0282	BOUA	A / B + ca	jar	1	1	1		BS				
01	1104	1104	0282	BOUA	A / B	jar	1	1	5		BS				
07	1162	1162	0284	TB	+ ca	large jug	1	1	320		base			? ID	
07	1162	1162	0284	TOY		jug / jar	1	1	15		base			late ?	
07	1162	1162	0284	TOY		jug / jar	1	1	6		BS				
07	1162	1162	0284	TOY	calcareous	jug	1	1	92		rim	drawing 18		hollow everted; thick strap handle; thumbled upper join	
07	1162	1162	0284	EST	A / D	jar / pitcher	1	1	8		dished rim	drawing 17		interior and exterior glaze; very odd as either break/cut out in rim or glaze over break	
08	1174	1175	0285	TOY		jug	1	1	5		BS				
02	1158	1158	0287	TOY		jug	1	1	9		BS				
02	1158	1158	0287	TB		jar	1	1	21		BS			internal glaze	
02	1158	1158	0287	TB		small vessel	1	1	2		BS			internal glaze	
02	1158	1158	0287	TB		jug / jar	1	1	15		base			thick internal mortar	
04	1059	1061	0290	LSH	E	bowl ?	1	1	22		base			leached internal and external and edges; surface shell	
04	1059	1061	0290	LSH		jar	1	1	12		BS			internal and external soot; leached surfaces	
04	1059	1061	0290	ST	B / C	small bottle / pitcher	1	1	6		BS			glaze	
04	1059	1061	0290	ST	B / C	jar / pitcher	1	1	5		BS			glaze	
04	1059	1061	0290	LSH	A	jar	1	1	6		BS			thick soot; ? ID	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
04	1059	1061	0290	LSH	A	jar / bowl	1	1	9		BS				
04	1059	1061	0290	THETT		jar ?	1	1	6		BS			oxidised; abraded; thin walled; abundant fine quartz	
04	1059	1061	0290	THETT		jar ?	3	1	23		BS			abraded; abundant fine quartz	
04	1059	1061	0290	LSH	A	jar ?	1	1	21		base			soot	
04	1059	1061	0290	LSH	A	bowl	1	1	7		rim			inturned; abraded	
04	1059	1061	0290	LKT		small jar	1	1	7		BS			soot	
04	1059	1061	0290	LSH	E	jar	1	1	52		BS			thick exterior soot; leached internal surface; fe concretions	
04	1059	1061	0290	THETT		jar ?	1	1	12		BS			exterior and part interior soot; abraded; abundant fine quartz	
04	1059	1061	0290	LSH	E	?	1	1	1		BS			soot	
04	1061	1061	0291	LSH	E	bowl	1	1	21		rim			inturned; fe concretion	
04	1061	1061	0291	LSH	E	jar ?	1	1	26		base			internal and external soot	
04	1061	1061	0291	SNLS		jar	3	1	38		rim + BS			one sherd marked (210); distorted; metallic surfaces; thin EVER B rim	
07	1153	1154	0293	THETT		jar ?	1	1	2		BS			soot	
07	1153	1154	0293	SNLS		jar	1	1	12		rim			round everted	
07	1186	1186	0305	TOY		bowl	1	1	11		BS				
07	1186	1186	0305	TOY		jug	1	1	58		BS			soot over breaks	
07	1186	1186	0305	TOYII		jug	1	1	87		base			spalled base; internal soot; ? ID or TOY / TB; blow hole	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
07	1186	1186	0305	TOYII		jug	1	1	40		BS			? ID or TOY/TB; blow hole	
07	1186	1186	0305	TOY		small jug	1	1	12		BS				
07	1186	1186	0305	TOY		small jug	3	1	23		BS			thick internal soot; ? ID or TOYII / TB	
07	1186	1186	0305	TOY	+ ca	jug	1	1	202		base			stacking scar; ? ID or TOYII / TB	
07	1186	1186	0305	TOY		bowl	1	1	14		base				
07	1186	1186	0305	TOYII		jug	2	1	15		BS			internal soot; ? ID or TOY / TB; blow hole	
07	1186	1186	0305	TOY		jug	1	1	85		BS			soot over breaks	
07	1181	1181	0306	TOY	+ ca	jug	1	1	69		handle			thin strap; burnt; bourne type handle	
07	1181	1181	0306	TOY		jug / jar	1	1	5		BS			? ID or TOY	
07	1181	1181	0306	BOU	smooth	jug / jar	1	1	7		BS				
07	1181	1181	0306	TB		bowl	1	1	37		base				
07	1181	1181	0306	TOYII		jug	1	1	45		base			? ID	
07	1181	1181	0306	TOYII		jug	1	1	24		BS			? ID or TOY	
07	1181	1181	0306	MISC		urinal ?	2	1	86		BS			abraded; spalled internally; glaze	
07	1181	1182	0307	TOY	+ ca	jug / jar	1	1	307		base			sharp trimmed basal angle	
07	1181	1182	0307	TOY		small jug	2	1	19		BS				
07	1181	1182	0307	TB		jug	1	1	36		rim			flared with lip; ? ID or TOY	
07	1181	1182	0307	TB		large bowl	1	1	82		rim			slightly everted rim with central hollow; ? ID or TOYII	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
07	1181	1182	0307	TOYII		jug	1	1	12		BS			? ID or TB	
07	1185	1185	0309	BOSTTT		jug	1	1	4	applied scale decoration	BS			fabric looks like TOY + ca; ? ID or BOSTLT or LSWV5	
07	1185	1185	0309	TOYII		large bowl	2	1	98		rim			everted rim	
07	1185	1185	0309	TOY		jug	1	1	9		BS				
07	1185	1185	0310	TOY		jug / jar	1	1	3		BS			soot over break	
08	1174	1175	0312	TOYII		jug	1	1	3		BS				
08	1174	1175	0312	TB		jar / bowl	1	1	7		BS			internal glaze spots; exterior glaze	
08	1174	1175	0312	TB		jug	1	1	35		BS			or TOYII ?	
08	1174	1175	0312	ELQC		?	1	1	4		BS			internal and external soot; ? ID	
06	1004	1005	0314	TOY		jug	1	1	5		BS			thick internal soot	
06	1004	1005	0314	POTT		large bowl	1	1	105		rim			everted rim; soot; leached exterior shell	
06	1004	1005	0314	TOY		jug	1	1	16		BS			? ID	
06	1004	1005	0314	TOYII		bowl	1	1	34		rim			? ID or TOY; slightly everted rim	
06	1004	1005	0314	TOYII		small jug	1	1	4		BS			? ID	
06	1004	1005	0314	TOY		small jug	1	1	155		base			slightly splayed base	
06	1004	1005	0314	TOY		jug	1	1	23		rim			long cuff	
06	1004	1005	0314	EST	A	pitcher	1	1	11		BS			internal soot; ? ID as very dirty fabric	
06	1004	1005	0314	BOUA	B	jug	1	1	5		BS			? ID	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
06	1004	1005	0314	GSS		jar	1	1	11		BS				
07	1153	1154	0316	TOY		jug	1	1	29		BS			spalled internally	
07	1153	1154	0316	MEDLOC	dull light oxidised	jar ?	1	1	15		BS			post fired hole; medium abundant round to sub round quartz + moderate fe	
07	1153	1154	0316	LKT		jar / bowl	1	1	2		BS		sample 55	soot	
07	1153	1154	0316	TOYII		jug	1	1	5		BS			or TOY ?	
07	1153	1154	0316	TOY		jar	1	1	15		rim			cracked during firing at rim; late rim form ?	
07	1153	1154	0316	TOY		jug	1	1	5		BS			thin walled; well made	
07	1153	1154	0316	TOY		jug	1	1	8		BS			thin walled; well made	
07	1153	1154	0316	TOY		jug	1	1	4		BS			thin walled; well made	
07	1153	1154	0316	TOY		jug	1	1	5		BS			thin walled; well made	
07	1153	1154	0316	TB		large bowl	1	1	49		rim			large wide everted rim; same vessel as BS ?	
07	1153	1154	0316	TB		large bowl	1	1	33		BS				
07	1153	1154	0316	TB		bowl	1	1	12		BS				
07	1153	1154	0316	THETT		?	1	1	2		base			thin walled; ? ID	
07	1153	1154	0316	TOY		jug	1	1	39		BS			part interior soot	
07	1153	1154	0318	LKT		?	1	1	1		BS		sample 55	internal fe slip	
07	1153	1154	0319	LSH		jar	1	1	3		BS			internal and external soot	
07	1153	1154	0319	LKT		jar	1	1	5		BS			burnt	
07	1184	1184	0348	TOY		jug	1	1	45		BS			part internal soot; ? ID or TOY	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
07	1184	1184	0348	TOYII		jug	5	1	357	multi horizontal grooves below shoulder upwards	BS			cracked during firing; ? ID or late TOY	
07	1184	1184	0348	TOY		small jug	1	1	17		BS				
07	1184	1184	0348	TOY		bowl	1	1	6		BS				
07	1184	1184	0348	TOY		jug	1	1	1		BS				
07	1185	1185	0350	BOSTTT		small jug	1	1	22		BS			concretions; ? ID; internal soot	
07	1185	1185	0350	TOY		bowl	1	1	50		BS			soot; exterior and over internal rim; slightly everted with internal hollow; no glaze	
07	1185	1185	0350	TOY		jug	1	1	22		BS			soot	
07	1185	1185	0350	SLST		jar / bowl	3	1	80		BS			abraded; internal and external soot; ? ID or POTT	
07	1185	1185	0350	TOY		jug	1	1	7		base				
07	1185	1185	0350	TOY		bowl	1	1	22		rim			everted rim with internal hollow; unmatured glaze; ? ID or TOYII	
07	1185	1185	0350	TOY	+ ca + white streaks	small jug	1	1	13		BS				
07	1185	1185	0350	TOY		jug	1	1	4	applied curved fe strip	BS				
07	1185	1185	0350	SLST		jar / bowl	1	1	8		base			soot; ?ID or POTT	
07	1185	1185	0350	MISC	fine silty	small vessel	1	1	1		BS		sample 32	? ID or crucible	
07	1185	1185	0350	BOSTLT	+ ca	jug	1	1	7	applied decoration	BS			? ID	
07	1185	1185	0350	TOY		jug	1	1	55		base			heavy base; thumbbed; soot; cracked during firing	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
07	1185	1185	0350	BOSTLT	+ ca	jug	1	1	4		BS			soot	
07	1185	1185	0350	TOY		jug	1	1	2		BS				
07	1185	1185	0350	TOY		jug	1	1	3		BS		sample 32		
07	1185	1185	0350	TOY		jug	1	1	19		base			soot	
06	1021	1021	0358	LKT		jar	1	1	18		BS			abraded; soot	
06	1021	1021	0358	LKT		jar ?	1	1	3		base			soot; thin	
06	1021	1021	0362	TOY	fine	jug / jar	1	1	73		base			odd soot pattern not on underside from 3mm upwards on wall also on broken edge; cracked during use; ? ID	
06	1021	1021	0362	ST	A / G	pitcher	1	1	17		rim			plain everted; internal and external glaze	early - mid/late 11th century
06	1021	1021	0362	SNEOT		jar	1	1	5		BS			soot; ? ID no punctate brachiopod	
07	1186	1186	0367	TOY	sandy	jug	1	1	32		BS				
07	1186	1186	0367	TOY	sandy	jug	1	1	22		BS				
07	1184	1184	0369	TOY	fine	jug / jar	1	1	7		BS				
07	1184	1184	0369	TOY		jug	1	1	14		BS			? ID or TOYII	
07	1184	1184	0370	TOYII		bowl	1	1	137		rim			sloping; slight internal hollow; ? ID	
07	1184	1184	0370	TOY		jug	1	1	7		BS				
07	1184	1184	0370	TOY		jug	1	1	35		BS			thick rounded cuff rim	
07	1184	1184	0370	TOYII		jug	1	1	9		BS			internal deposit; ? ID	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
07	1184	1184	0370	TOY		jug	1	1	4		BS				
07	1184	1184	0370	TOY		large jug	1	1	76		BS			internal deposit	
07	1184	1184	0370	TOY		jug	1	1	5		BS				
06	1005	1005	0373	LMLOC		jar ?	1	1	11		BS			soot; dull oxidised surfaces; fine sandy; abundant fine quartz; moderate fe; sparse medium rounded quartz	
07	1246	1247	0375	TOYII		large jug	1	1	120		rim with UHJ			everted rim; wide oval strap with grooves	
07	1246	1247	0375	TB		large bowl	2	1	212		BS				
07	1246	1247	0375	LMX	reduced; fine	jug	1	1	12		BS			abundant fine sub round quartz; moderate fe; reduced green glaze with small purple patches	
07	1246	1247	0375	TOYII		jug	1	1	8	multi incised shoulder lines	BS			overfired	
07	1246	1247	0375	TOY		jug	1	1	16	applied strip ?	BS				
07	1246	1247	0375	TOYII		jug	1	1	21	thumb pressed strip on shoulder	BS				
07	1246	1247	0375	TOYII		jug	1	1	32	thumb pressed strip around neck	BS				
07	1246	1247	0375	TOYII		jug	1	1	16		rim	drawing 05		triangular rim with lip; cracked during firing at two points with glaze over break	
07	1246	1247	0375	TOYII		jug	1	1	9		BS			? ID or late TOY	
07	1246	1247	0375	SLST		jar ?	1	1	12		BS			? ID or POTT	
07	1246	1247	0375	TOY		jug	1	1	29		BS			abraded	
07	1246	1247	0375	TOY	fine + ca	jug	1	1	18		BS			? ID or very odd sandy BOU	



phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
07	1246	1247	0375	TOYII		jug / jar	1	1	9		BS				
07	1246	1247	0375	BOU	smooth	jug	3	1	47		neck + BS + handle			bourne strap handle type 01	
07	1246	1247	0375	TOYII		jug	1	1	31		BS				
07	1246	1247	0375	TOY		jug	1	1	25		rim			long rounded cuff; overfired; late	
07	1246	1247	0375	TOY		jug	1	1	21		BS			? ID or TOYII	
07	1246	1247	0375	TOYII		jug	1	1	25		BS			? ID or TOY; late	
07	1246	1247	0375	BOU	sandy	jug	1	1	17		BS				
07	1246	1247	0375	TOYII		small jug	10	1	290		BS				
07	1246	1247	0376	TOY	+ ca	jug / jar	1	1	5		BS				
07	1246	1247	0376	TOY	+ ca	jug	1	1	12		BS			? ID or TOYII	
07	1246	1247	0376	TOY		jug	1	1	16		BS				
07	1246	1247	0376	BOU	slightly sandy + ca	jug / jar	1	1	5		BS				
07	1246	1247	0376	TB		jug	1	1	7		BS				
07	1246	1247	0376	TOY	+ ca + white streaks	jug	1	1	9		BS			exterior glaze speckled; abundant oolite; ? ID	
07	1246	1247	0376	TOY	+ ca	jug	1	1	22		BS			? ID or TOYII	
07	1246	1247	0376	POTT		large vessel	1	1	23		BS				
07	1246	1247	0376	TOY	coarse	jug / jar	1	1	5		BS			abraded	
07	1246	1247	0376	TOY		jug	1	1	15		BS			cuff / rounded rim	
07	1246	1247	0376	TB		large bowl	1	1	53		BS				

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
07	1246	1247	0376	TB		bowl / jar	1	1	27		BS			? ID or PMLOC; purple and green glaze	
07	1246	1247	0376	TOY	+ ca	jug	1	1	31		BS				
07	1199	1200	0380	TOYII		jug	1	1	5		BS			? ID or TB	
07	1199	1200	0380	TB		large bowl	1	1	167		base			blow holes	
07	1199	1200	0380	TOYII		jug	1	1	28	deep multi-groove on shoulder	BS				
06	1252	1252	0381	MEDLOC		jar	1	1	8		BS			soot; dull oxidised / reduced / dull oxidised; medium sandy; common fine to medium sub round to round quartz; includes occasional greensand and moderate fe	
06	1252	1252	0382	BOSTTT		jug	1	1	12		neck			or TOY ?	
06	1252	1252	0382	TOY		?	1	1	1		BS			flake	
4/7	1250	1252	0383	TOY		jar	1	1	8		base			thin	
4/7	1250	1252	0383	TOY		jug	5	1	41		BS				
06	1151	1151	0385	TOY	+ ca	jug / jar	1	1	5		base				
06	1151	1151	0385	TOY		jug	1	1	11		BS			red slip; unmatured glaze	
06	1151	1151	0385	TOY	+ ca	jug / jar	1	1	2		base			soot	
06	1151	1151	0385	NDST		jug	1	1	2		BS			cu mottled glaze; ? ID	
06	1151	1151	0385	BOUA	A	jug / jar	1	1	6		BS				

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
06	1151	1151	0385	MEDLOC	dull oxidised / reduced / dull oxidised; fine sandy	large jar ?	1	1	29		BS			internal and external soot; common to abundant fine to medium sub round to round quartz; occasional fe, sandstone, clay/shale pellets, flint and greensand; unglazed	
06	1151	1151	0385	BOUA	+ carbonised vegetation	jug / jar	1	1	29		BS			average weight	
06	1151	1151	0385	EMHM	A ?	jar ?	1	1	4		base			soot	
06	1151	1151	0385	TOY		jug	1	1	2		BS			? ID	
06	1151	1151	0385	ST	C	jug / jar	1	1	2		BS			glaze	
06	1151	1151	0385	SLST		?	1	1	1		BS			flake	
06	1151	1151	0386	TOY	+ ca	large bowl	1	1	34		BS			? ID or TOYII	
06	1151	1151	0387	ST	A	jar / pitcher	1	1	5		neck			glaze; fine fabric	mid 11th
06	1151	1151	0387	LSLOC	medium shelly	jar ?	1	1	1		BS			soot; wheel thrown shell	
06	1151	1151	0387	LSH	E	jar ?	1	1	3		rim				
06	1147	1148	0389	TOY		jar / small jug	1	1	10		base				
06	1147	1148	0389	TOY		jug / jar	1	1	5		neck				
06	1147	1148	0389	LEMS		small jar	1	1	1		rim			unusual rim	
06	1147	1148	0389	ST	B / C	small jar	1	1	2		BS			soot; unglazed	
06	1147	1148	0389	SNLS		jar ?	1	1	1		BS				
06	1147	1148	0389	SNEOT		small jar	1	1	2		BS			thin walled; internal soot ?; ? ID no punctate brachiopod visible	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
04	1145	1146	0390	ST	A / B	?	1	1	2		base			thin internal and external soot	mid/late 11th+
04	1145	1146	0390	TORK		small jar	1	1	7		base			soot	
04	1145	1146	0391	SNEOT		jar / bowl	3	1	7		base				
07	1161	1161	0394	POTT		jar / bowl	1	1	30		base			abraded; soot on walls not on base	
07	1161	1161	0394	TOY	+ ca	jug	1	1	29		base				
07	1161	1161	0394	TOYII		jug	1	1	25		BS			multi shoulder groove	
07	1161	1161	0394	EMHM	T	bowl / jar	1	1	6		BS			internal soot; discoloured internally and externally	
07	1176	1176	0396	BOUA		jar ?	1	1	3		BS			spalled exterior; ? ID or EST fabric E / F / H or odd ST fabric A; thin walled	
07	1176	1176	0396	SNEOT		jar	1	1	6		BS			soot	
07	1178	1178	0397	TOY		jug	1	1	5		BS				
07	1178	1178	0397	TOY		jug	1	1	5		BS				
07	1178	1178	0397	TOY		jug	1	1	2		BS			spalled and vitrified	
07	1178	1178	0397	TOY		jug	1	1	12		BS				
07	1178	1178	0397	TOY		jug / jar	1	1	20		BS		vessel 15	soot over edge; ? ID	
07	1178	1178	0397	TOY		jar	1	1	5		rim			very abraded	
07	1178	1178	0397	TOYII		large jug	2	1	62	applied thumbed strip around shoulder	BS			blow holes	
07	1178	1178	0397	TOYII		jug	1	1	25	applied vertical and horizontal strips crossing over	BS			burnt / misfired exterior glaze; ? Late TOY	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
07	1178	1178	0397	TB		large bowl	1	1	19		BS				
07	1178	1178	0397	TOY		large jug	1	1	159		BS			? ID or TOYII	
07	1178	1178	0397	TB		large bowl	2	1	78		rim			sloping with deep internal groove	
07	1178	1178	0397	TOYII		large bowl	1	1	60		BS			burnt / misfired internal glaze; sloping with internal groove	
07	1178	1178	0397	TOYII		jar	1	1	33	pressed strip under rim	rim			hollow everted	
07	1178	1178	0397	TB		bowl	1	1	42		base				
07	1178	1178	0397	TOY		jug	1	1	4		BS				
07	1178	1178	0397	TOY		large jug	1	1	72		BS			internal soot and over edges; ? ID or TOYII	
07	1178	1178	0397	TOY		jug	1	1	2		BS				
07	1178	1178	0397	TOY		jug / jar	1	1	26		BS			? ID or TOYII; internal deposit	
07	1178	1178	0397	TOY		jug	1	1	8		BS				
07	1178	1178	0397	TB		jug / jar	1	1	19		BS				
07	1178	1178	0397	TOY		bowl	1	1	14		BS			? Or TOYII	
07	1178	1178	0397	TOY		jug	1	1	5		BS				
07	1178	1178	0397	TB		jug / jar	1	1	12		BS				
07	1178	1178	0397	TOYII		jug / jar	1	1	29		BS			? ID; cracked during firing	
07	1178	1178	0397	TB		jug / jar	3	1	10		BS			blown flakes	
07	1178	1178	0397	TB		jug	1	1	82		handle			oval strap	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
07	1178	1178	0397	TB		large jug	1	1	132		BS with LHJ			low fired	
07	1178	1178	0397	TOY		drinking jug	1	1	2		BS	drawing 08	vessel 14	? ID	
07	1178	1178	0397	TOY		jug	1	1	17	applied decoration ?	BS				
07	1178	1178	0397	BOU	smooth	jug / jar	1	1	9		BS				
07	1178	1178	0397	TOY		jug / jar	1	1	21		BS			? ID or TOYII	
07	1178	1178	0397	TOYII		jug	1	1	49		handle			oval strap with slight central hollow; blobs of clay adhering to handle	
07	1178	1178	0397	TB		small jar / bowl	1	1	17		base			internal and external glaze; slightly worn interior base; slightly worn basal angle	
07	1178	1178	0397	TOYII		jug / jar	1	1	34		BS			? ID or TOY	
07	1178	1178	0397	TOYII		large jug	1	1	53		BS			internal soot; ? ID or TB	
07	1178	1178	0397	BOU	slightly sandy	jug / jar	1	1	7		BS				
07	1178	1178	0397	BOU	smooth	jug / jar	1	1	5		BS				
07	1176	1177	0398	TB		jug	1	1	70		BS			internal soot	
07	1176	1177	0398	TOYII		small jug	1	1	2		BS			thin walled	
07	1176	1177	0398	TOY		small jug	1	1	6		base			? ID or TOYII	
07	1176	1177	0398	TOY		jug / jar	1	1	7		BS			soot	
07	1176	1177	0398	TOY		jug / jar	1	1	19		BS				
07	1176	1177	0398	TOY		jug / jar	1	1	5		BS				
07	1176	1177	0398	TOY		jug	1	1	3		BS				
07	1176	1177	0398	TOY	+ ca fine	jug	1	1	45		base			externally abraded	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
07	1176	1177	0398	LANG		jug	1	1	44		neck with LHJ				
07	1176	1177	0398	TOYII		jug	4	1	82		BS			? ID or TOY	
07	1176	1177	0398	TOY		jug / jar	2	1	31		BS			internal soot and over break	
07	1176	1177	0398	TOY		jug	1	1	3		BS				
07	1176	1177	0398	TOY		jug / jar	1	1	7		BS				
07	1176	1177	0398	TOY		jug	1	1	18		rim			upright rim	
07	1176	1177	0398	TOYII		large jug	1	1	58		BS				
07	1176	1177	0398	TOYII		jug	2	1	29		BS			? ID or TOY	
07	1176	1177	0398	TOY		jug	1	1	10		BS				
07	1176	1177	0398	TOY		jug	1	1	39	applied vertical fe strips	BS				
07	1176	1177	0398	TOY		jug	1	1	13		BS				
07	1176	1177	0398	TOY		jug	1	1	23		BS				
07	1176	1177	0398	TOY		large jug	1	1	56		BS				
07	1176	1177	0398	TOY	fine	large jug	1	1	37		BS				
07	1176	1177	0398	TOY		large vessel	2	1	127		base			part internal soot; thick external soot; ? ID or TOYII / TB	
07	1176	1177	0398	TOY		jug	1	1	22		BS				
07	1176	1177	0398	TOYII		large jug	3	1	129		BS			? ID or TOY	
07	1176	1177	0398	TOY		jug / jar	1	1	14		BS				
07	1176	1177	0398	TOYII		large bowl	1	1	32		rim			internal hollow slightly everted rim	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
07	1176	1177	0398	TOYII		large bowl	1	1	89		rim			internal hollow slightly everted rim	
07	1176	1177	0398	TOY		jug	3	1	70		BS			? ID or TOYII	
07	1176	1177	0398	TOY		drinking jug	4	1	59		rim + BS	drawing 08	vessel 14		
07	1176	1177	0398	TOYII		jug	2	1	33		BS			? ID or TOY	
07	1176	1177	0398	TOY		jug	1	1	17		BS			burnt / waster; ? ID or TOYII	
07	1176	1177	0398	TOY		jug / jar	1	1	28		BS		vessel 15	? ID	
06	1169	1170	0401	TOY	+ ca	jug / jar	1	1	8		BS			externally abraded	
06	1169	1170	0401	BEVO2	B	jug ?	1	1	4		BS				
06	1169	1170	0401	LSWV5		jug	1	1	8		BS				
03	1202	1202	0418	LKT		jar / bowl	1	1	7		base			soot part internal and external and over break; internal deposit	
03	1202	1202	0418	LKT		jar	1	1	5		BS			soot part internal and external and over break	
07	1203	1203	0421	TB		large bowl	1	1	300		rim			everted rim; internal hollow; worn on interior	
07	1203	1203	0421	TOYII		jug	1	1	38	grooved lines on shoulder	BS			cracked in firing; ? ID or TB	
02	1179	1180	0423	TOYII		jug	1	1	4		BS				
02	1179	1180	0423	TB		large bowl	1	1	40		BS			everted rim	
02	1179	1180	0423	TOY		jug	1	1	29		base				
07	1247	1247	0424	TOY		jug / jar	1	1	6		BS				
07	1247	1247	0424	TOY		jug	1	1	7		BS				



phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
07	1247	1247	0424	TOYII		jug	1	1	8		BS			? ID or TOY	
07	1246	1247	0425	TOY		jug	1	1	8		BS				
07	1246	1247	0425	TB		bowl	1	1	15		BS				
07	1246	1247	0425	TB		large bowl	1	1	37		base				
07	1246	1247	0425	TOY		jug / jar	1	1	12		BS			? ID or late TOY	
07	1246	1247	0425	TOY		jug / jar	1	1	12		BS			cracked during firing	
07	1246	1247	0425	TOYII		bowl	1	1	16		BS			? ID or late TOY	
07	1246	1247	0425	TOYII		jug	1	1	42		handle			oval strap; ? ID or late TOY	
07	1246	1247	0425	TOYII		small jug	1	1	18		BS			? ID or late TOY	
07	1246	1247	0425	TB		large jug / jar	1	1	24		BS				
07	1246	1247	0425	TOY		pipkin	1	1	20		handle			end strap with central hollow	
06	1149	1150	0429	SNLS		jar	1	1	35		BS			internal soot and over break	
06	1149	1150	0429	ST	A	small jar / pitcher	1	1	5		base			glaze	
06	1149	1150	0430	ELQC		jar ?	1	1	2		BS			soot; ? ID; handmade	
06	1149	1150	0430	LSCRUC		crucible	1	1	1		BS				
06	1149	1150	0430	LSLOC		small jar	1	1	1		BS			internal and external soot; moderate shell; occasional fine quartz	
06	1149	1150	0430	BEVO1		jug	1	1	1		BS			splashed glaze	
07	1192	1193	0432	TOY		?	1	1	1		handle join ?			internal black deposit; possibly a long handled pipkin	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
09	1076	1076	0434	TB		bowl	1	1	13		BS				
09	1076	1076	0434	GRE		small jar	1	1	1		neck			burnt; ? ID or mug	
09	1076	1076	0434	TB		large bowl	1	1	8		BS				
09	1076	1076	0434	GRE		footed pipkin	1	1	29		base			fe bichrome	
09	1165	1166	0442	TB	+ ca	jug ?	1	1	48		BS			no glaze; abundant fine quartz; ? ID	
09	1165	1166	0442	TB		large jug / jar	1	1	44		BS				
09	1165	1166	0442	TOY	+ ca	large jug / jar	1	1	15		BS			or TB ?	
09	1165	1166	0442	TOY		jug / jar	1	1	27		BS			or TB / TOYII ?	
09	1165	1166	0442	TB		jug	1	1	31		BS			or TOY ?	
09	1165	1166	0442	LMLOC	A	jug	1	1	4		BS			part ridged shoulder; ? ID	
09	1165	1166	0442	BOU	smooth	jug / jar	1	1	45		BS				
09	1165	1166	0442	TOY		jug	1	1	15		BS			or TB ?	
09	1165	1166	0442	TOYII		jug	1	1	17		neck			cracked during firing	
07	1189	1189	0444	TOY		jug	1	1	27		LHJ			? ID or TOYII	
07	1189	1189	0444	TOY		jug / jar	1	1	8		BS			? ID or TOYII	
07	1189	1189	0444	TB		large bowl	1	1	40		rim			slightly everted rim with internal hollow and ridge below	
07	1189	1189	0444	TB		large bowl	1	1	69		rim			slightly hooked rim	
07	1189	1189	0444	TOYII		jug / jar	1	1	38		BS			? ID or TB; blow holes	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
08	1164	1164	0448	ST	C	jar / pitcher	4	1	4		BS			thin glaze	
07	1187	1188	0449	TOY	coarse	jug / urinal	1	1	37		rim			hollow upright	
07	1187	1188	0449	TB		large bowl	1	1	130		BS			unmatured internal glaze; low fired; possibly spalled in firing	
07	1187	1188	0449	TB		large bowl	1	1	42		rim			slightly everted; internal groove; blow holes	
07	1187	1188	0449	TOYII		jug / jar	1	1	19		BS			? ID or TB	
07	1187	1188	0449	BOU	smooth	jug / jar	1	1	15		base				
07	1187	1188	0449	TOYII		jug	1	1	8		BS				
07	1187	1188	0449	CIST		posset pot / cup	1	1	5		rim				
07	1193	1193	0460	TOY		small jug	1	1	14		BS				
07	1193	1193	0460	TOY	+ fe	jug ?	1	1	8		base			? ID or NOTGL	
06	1195	1196	0463	EMHM	light firing	jar	1	1	9		neck				
03	1202	1202	0469	LKT		jar	1	1	25		BS			soot; part internal and external	
03	1202	1202	0469	LKT		jar / bowl	1	1	22		BS			internal soot	
03	1202	1202	0469	LSH	E	small bowl	1	1	14		rim			inturned rim; exterior soot	
03	1202	1202	0469	LKT		jar / bowl	1	1	1		base			flake; abraded	
07	1203	1203	0472	BOU	smooth + ca	jug	2	1	35		BS				
07	1203	1203	0472	TB		bowl	1	1	26		BS			internally abraded	
07	1203	1203	0472	TOY		jug	1	1	12		BS			burnt ?	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
06	1149	1150	0482	THETT	T	pitcher	1	1	26		handle with LHJ			strap handle	
06	1149	1150	0483	ST	B	jar / pitcher	1	1	2		BS			glaze	
06	1149	1150	0483	LEMS		jar	1	1	3		BS				
06	1149	1150	0483	SNEOT		small jar	1	1	2		BS			soot; ? ID as no punctate brachiopod visible	
09	1166	1166	0491	TOY		bowl / jar	1	1	1		BS			? ID or TOYII	
09	1166	1166	0491	TOY		bowl / jar	1	1	7		BS			? ID or TOYII	
09	1166	1166	0491	BL	GRE	cup / mug	1	1	3		handle			fine to medium fabric; cracked at handle join with glaze over break; ? ID or CIST	
07	1188	1188	0494	LSH	A	large jar	1	1	28		BS			internal soot	
07	1188	1188	0494	LSH	A	jar	1	1	23		base			soot	
07	1188	1188	0494	LSH	A	small jar	1	1	5		BS			abraded; ? ID; includes common fe	
07	1188	1188	0494	LSH	E	large jar	1	1	44		BS			abraded; ? ID or LKT	
07	1191	1191	0496	TOYII		drinking jug	1	1	4		BS			? ID or TOY	
07	1191	1191	0496	TOYII		?	1	1	26		rim			slightly everted; internal groove; ? ID or TOY	
06	1286	1161	0499	TOY		jug	1	1	2	curved fe applied strips	BS				
06	1286	1161	0499	TOY		bowl	1	1	7		BS			unmatured glaze	
06	1286	1161	0499	TOY		jar ?	1	1	30		BS			partly sooted	
06	1286	1161	0499	TOY		jug	1	1	8	complex fe applied strips	BS				

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
07	1278	1194	0501	LKT		jar ?	1	1	1		BS			internal soot	
07	1278	1194	0501	TOYII		jug / jar	1	1	39		base	removed to fabric type series		cracked during firing	
07	1278	1194	0501	EMHM	B	jar	1	1	1		rim				
07	1278	1194	0501	POTT		large flared bowl	1	1	123		rim			everted rim; soot	
03	1202	1202	0502	LKT		jar	1	1	118		rim			internal soot on body but not on rim; patchy exterior soot; wiped rim; EVER A3 rim	
06	1004	1005	0513	SNEOT		small jar	1	1	2		BS			soot; ? ID no punctate brachiopod visible	
06	1004	1005	0513	LSLOC		small jar	1	1	1		BS			soot; wheel thrown; fine to medium shelly; reduced; moderate fine to medium shelly; occasional fe	
06	1004	1005	0514	TOY		large jug	1	1	27		base			thumbed base	
06	1004	1005	0514	MEDX		small jug	1	1	5		rim			everted rim; reduced green glaze; cracked during firing; glaze over break; oxidised; medium sandy; common to abundant sub round to round quartz; moderate fe; odd feldspar ?	
06	1277	1126	0516	BOUA	G (A)	jar ?	1	1	1		BS		sample 60	? ID or SNX; R/OX/R/OX/R; fine sandy; abundant fine quartz + sparse medium shell + sparse ca	
07	1248	1249	0520	TOYII		jug	1	1	22		BS	removed to fabric type series		cracked during firing completely along one edge	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
04	1296	1129	0522	LKT		jar / bowl	1	1	3		BS			abraded; flake	
04	1296	1129	0522	LSH	A	jar / bowl	1	1	1		BS			very abraded; flake	
04	1296	1129	0522	SNLS	sessions house ?	bowl	1	1	48		rim			inturned; drawable	
04	1296	1129	0522	LKT		jar	1	1	12		BS				
04	1296	1129	0522	LSH	A	jar	1	1	2		BS			very abraded	
06	1004	1005	0525	LS/SNLS		large jar / pitcher	1	1	25		base			soot; knife trimmed ?; very odd; crudely made	
06	1004	1005	0525	LSH	E	jar / bowl	1	1	1		BS			flake	
06	1004	1005	0525	MISC	light reduced; fine to medium sandy; hard fired	large jug / jar	1	1	36		BS			knife trimmed on lower body; thick internal deposit; common fine to medium sub round quartz; moderate larger more rounded quartz; moderate fe; sparse ca; occasional streaks of white clay; darker reduced exterior surface; odd TOY?	
06	1004	1005	0525	TOY		jug / jar	1	1	48		BS			oxidised over breaks; internal spots of glaze	
06	1004	1005	0525	LSH	A	small jar	1	1	3		BS			abraded; soot	
06	1004	1005	0525	SNEOT		small jar	1	1	4		BS			internal and external soot	
07	1058	1058	0527	TOY		jug / jar	1	1	26		BS			thick all over internal soot	
07	1058	1058	0527	TOY		small jug	1	1	9		BS				
07	1058	1058	0527	TOY		bowl	1	1	85		base			spalled internal surface in kiln	
07	1058	1058	0527	TOY		jug	1	1	12	shoulder grooves	BS				

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
07	1058	1058	0527	TOY		jug	1	1	1		BS				
07	1058	1058	0527	TOY		jug	1	1	5		BS				
07	1058	1058	0527	TB		large bowl	1	1	56		BS			soot	
07	1058	1058	0527	TOY		jug	1	1	2		BS		sample 65		
07	1058	1058	0527	TOY		small jug	1	1	50	frilled	base			internal deposit; external soot	
07	1058	1058	0527	TOY		bowl	1	1	40		rim			sloping rim with two internal hollows	
07	1058	1058	0527	TOY		jug / jar	1	1	33		BS			thick all over internal soot	
07	1058	1058	0527	TOY		jug	1	1	12	incised grooves	shoulder				
07	1058	1058	0527	TOY		jug	4	1	52		BS				
07	1058	1058	0527	TOY		jug	1	1	32	incised shoulder groove	BS			internal deposit	
07	1058	1058	0527	TOY		jug	1	1	1		BS		sample 65		
07	1058	1058	0527	TB		bowl	1	1	18		BS			internal wear marks; patchy internal soot	
07	1058	1058	0527	TOY		jug	1	1	8		BS				
07	1057	1058	0528	TOY		jug	1	1	18		BS			internal deposit; thick walled	
07	1057	1058	0528	TOY		jug	1	1	12	applied fe strips; horizontal and vertical with applied pad where they meet	BS				
07	1057	1058	0528	TOY		jug	1	1	46		BS			cracked / spalled during firing	
07	1057	1058	0528	TOY		jug ?	1	1	11		BS			part internal soot	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
07	1057	1058	0528	TOY		jug / jar	2	1	21		BS			soot	
07	1057	1058	0528	TOY		jar	2	1	45		rim			sharp everted rim	
07	1057	1058	0528	TOY		jug	1	1	7		BS				
07	1057	1058	0528	TOY		jug / jar	1	1	8		BS			internal and external soot and over breaks	
07	1057	1058	0528	TOYII		bowl	2	1	75		rim + BS			slightly everted; internal ledge	
07	1057	1058	0528	GSS		jar / bowl	1	1	1		BS				
07	1057	1058	0528	TOY		bowl	1	1	49		rim			slightly everted; no glaze; late ?	
07	1057	1058	0528	TOY		jar	1	1	2		rim			EVER B 3	
07	1057	1058	0528	TOY		jug / jar	1	1	9		BS				
04	1055	1056	0530	LKT		bowl	3	1	57		rim			inturned; internal red slip	
06	1127	1127	0542	TOY		large jug	1	1	23		BS				
06	1127	1127	0542	TOY		jug	1	1	57	fe decoration ?	BS				
06	1127	1127	0542	TOY		large jug	1	1	59		BS				
06	1127	1127	0542	TOYII		small jug	2	1	22		neck			? ID or TOY	
06	1127	1127	0542	TOY		jug	1	1	28		neck				
06	1127	1127	0542	TOY		jar	1	1	42		rim			hollow everted	
06	1128	1128	0559	TOY		drip dish	1	1	91		rim to base			thin sanded base; knife trimmed basal angle; same vessel as (609) ?	



phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
06	1128	1128	0559	MEDLOC	dull oxidised / reduced / dull oxidised; fine sandy	jar	1	1	53		base			internal and external soot and over break; common to abundant fine to medium sub round to round quartz; occasional fe, sandstone, clay/shale pellets, flint and greensand; unglazed	
03	1008	1009	0560	LSH	A	jar	1	1	8		BS				
03	1008	1009	0560	THETT	L / T	jar	1	1	14		BS			soot	
03	1008	1009	0560	LKT		jar	1	1	22		rim			soot on exterior and over rim; EVER B 3 rim	
03	1008	1009	0560	LSH	A	small jar	1	1	1		BS			soot	
03	1008	1009	0560	ST	A / B	jar / pitcher	1	1	1		BS			glaze	mid/late 11th
03	1008	1009	0562	LSH		jar / bowl	1	1	1		BS		sample 68	? ID	
03	1008	1009	0562	LSH	A	jar / bowl	1	1	10		base			soot; concretions	
03	1008	1009	0563	LKT		small jar	1	1	1		BS			soot	
09	1208	1208	0567	GRE		large bowl	2	1	173		rim + BS			stacking scar on rim	
09	1205	1205	0569	RAER		drinking jug	1	1	23		base				
09	1205	1205	0569	TB		large bowl	1	1	368		BS			spalled / worn internal surface	
09	1205	1205	0569	TOYII		small jug	1	1	83		rim with UHJ			oval handle; two thumbings on UHJ	
09	1205	1205	0569	TB		large bowl	5	1	1067		profile	drawing 06		soot on rim edge; almost hooked rim with slight internal hollow and internal groove below; blow holes	
09	1205	1205	0569	NHSLIP		large footed bowl	1	1	57		rim	drawing 15			

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
09	1205	1205	0569	TB		bowl	1	1	63		base				
09	1205	1205	0569	TB		large jug	1	1	73		BS with LHJ			thumbed LHJ	
09	1205	1205	0569	TB		jug / jar	1	1	33		BS			internal deposit	
09	1205	1205	0569	SNLS	sessions house	jar	1	1	29		BS				
09	1205	1205	0569	TB		jug	1	1	181		rim with UHJ			burnt; square everted rim; thin oval strap	
09	1205	1205	0569	TB		large bowl	1	1	250		base			worn internal surface	
09	1205	1205	0569	TOY		jug	1	1	18		BS				
09	1205	1205	0569	TB		jug / jar	1	1	1		BS			flake	
09	1205	1205	0569	TB		large jug / jar	1	1	88		BS				
09	1204	1205	0571	MEDLOC	dull oxidised / dull reduced / dull oxidised	jug / jar	1	1	20		BS			low fired; spalled; abundant fine round to sub round quartz + occasional greensand + moderate fe + occasional ca	
09	1204	1205	0571	TB		large bowl	1	1	10		base				
09	1204	1205	0571	TB		large bowl	2	1	228		base	removed to fabric type series		spalled / worn internal surface; odd finger pressings at basal angle; unusual as it appears to be two clays, one with common ca and one without	
09	1204	1205	0571	TOY		large jar	1	1	148	incised horizontal grooves around shoulder	rim	drawing 07		everted; ? ID	
09	1204	1205	0571	TOY		jug	1	1	13		BS				

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
09	1204	1205	0571	BERTH		jug / jar	1	1	18		BS	removed to fabric type series		internal deposit; bourne type ?	16th to 17th
09	1204	1205	0572	TOYII		large jug	1	1	67		BS			? ID or TB	
09	1204	1205	0572	TOYII		jug	1	1	5		BS				
09	1204	1205	0572	TB		large jug	1	1	148		handle			large oval strap	
09	1206	1207	0574	TOYII		large jug	1	1	82		handle			multi grooved oval strap; sherd marked 544	
09	1206	1207	0574	TB		jar	4	1	125		rim + BS			two sherd marked (544) two as (574)	
09	1206	1207	0574	LSWA		jug	1	1	6		BS				
09	1206	1207	0574	TB		large bowl	2	1	108		rim + BS			wide folded rim; one sherd marked (544) and one marked (574)	
09	1206	1207	0574	TOY	+ ca	jug	1	1	7		BS				
09	1206	1207	0574	MY		bowl	1	1	19		BS			sherd marked (544)	
09	1206	1207	0574	BL		bowl	1	1	25		BS			staffordshire	
09	1206	1207	0574	TB		large bowl	1	1	22		BS			marked (544)	
09	1206	1207	0574	LSWV5		jug	1	1	22		base			marked (544)	
09	1206	1207	0574	LSW3		jug	1	1	10		BS			? ID	
09	1206	1207	0574	TOY	+ ca	jug	1	1	7		BS			abraded; ? ID	
09	1206	1207	0574	GRE		jar / pipkin	1	1	9		BS				
09	1206	1207	0574	TOY	fine	jug	1	1	61		BS			slightly abraded; ? ID or TOYII	
09	1206	1207	0574	TB		large bowl	1	1	49		rim			flanged / everted rim	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
09	1206	1207	0574	GRE		bowl	1	1	38		rim			soot on external rim edge; exterior mortar ?; bead rim	
09	1023	1024	0576	STSL	cream	large press moulded dish	1	1	16	trailed and combed slip; brown on yellow	BS			shell edge; marked (567)	
09	1023	1024	0576	PMF		jug ?	1	1	9		BS			cu bichrome; light grey/buff medium sandy fabric; marked 567	
09	1023	1024	0576	TB		large jug	1	1	100		BS			stacking scar; marked (567)	
09	1023	1024	0576	TGW		dish	2	1	11	blue decoration	rim to base			marked (567)	
09	1039	1039	0577	TB		large bowl	1	1	29		rim			everted rim with internal hollow and internal groove	
09	1039	1039	0577	BL	GRE	mug	2	1	13		rim			multi rilled neck	
09	1039	1039	0577	BL	GRE	mug	1	1	9		neck			multi rilled neck; burnt	
09	1039	1039	0577	BL	GRE	small mug	2	1	11		BS		vessel 09	? ID	
04	1055	1056	0584	LSH		jar / bowl	1	1	1		BS		sample 64		
09	1023	1024	0590	PMLOC	B	large jar	2	1	79		BS + rim			hollow rim; ? ID or BERTH; ? Bourne	17th to 18th
09	1023	1024	0590	TOYII		jug	1	1	16	multi-grooved shoulder	BS			low fired	
09	1023	1024	0590	BOU	smooth	jug / jar	1	1	15		BS				
09	1023	1024	0590	TB		large bowl	1	1	34		BS				
09	1023	1024	0590	TOYII		jug	1	1	46	pressed strip around lower body	BS			blow hole	
09	1023	1024	0590	MY		large bowl	1	1	42		BS			? ID	
09	1023	1024	0590	FREC		drinking jug	1	1	26		base			rounded foot	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
09	1023	1024	0590	TGW		hollow	1	1	5		BS				
09	1023	1024	0590	GRE		large bowl	1	1	52		BS			complex rim	
09	1023	1024	0590	STMO		mug	1	1	16		BS				
09	1023	1024	0590	DUTR	coarse	small jug / jar	1	1	6		BS			thick internal and external amber glaze; ? ID	
09	1023	1024	0590	TOY		jug / jar	1	1	15		BS				
09	1023	1024	0590	ST	C	jar / pitcher	1	1	2		BS			glaze	
09	1023	1024	0590	TOY		jug / jar	1	1	15		BS			? ID or TB/TOY laminating	
09	1023	1024	0590	TOY		jug / jar	1	1	33		BS			? ID or TOYII	
09	1023	1024	0590	TOY		jug / jar	1	1	38		BS			? ID or TOYII; light firing	
09	1023	1024	0590	GRE		small jar / pipkin	2	1	42		base			fe bichrome	
09	1039	1040	0591	TB		jug / jar	1	1	28		BS			glazed	
09	1039	1040	0591	LHUM		large jar ?	1	1	162		base			internal and external glaze	
09	1039	1040	0591	GRE		bowl	1	1	144		rim	drawing 13		lipped; cu bichrome; soot on rim and interior	
09	1039	1040	0591	TB		large bowl	2	1	412		rim	drawing 14		flanged ?; part internal and part external soot	
09	1039	1040	0592	BERTH		mug / jug	1	1	25		rim	drawing 12		? ID or GRE	
09	1039	1040	0592	MEDLOC		jug	1	1	19		BS			? ID or odd TOY; oxidised medium sandy; common mixed fine to medium sub round to round quartz	
09	1039	1040	0592	GRE		large bowl ?	1	1	8		BS				

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
09	1039	1040	0592	GRE		large bowl	1	1	104		rim	drawing 10		complex rim	
09	1039	1040	0592	GRE		jar / pipkin	1	1	81		rim	drawing 09		cu bichrome	
09	1039	1040	0592	TB		bunghole vessel	1	1	85		BS			plain bunghole	
09	1039	1040	0592	BERTH		large bowl	1	1	140		base			? ID or GRE	16th to 17th
09	1039	1040	0592	STSL		thrown dish	1	1	4		BS			plain light brown glaze; ? ID; fabric looks similar to BOU	
09	1039	1040	0592	TB		large bowl	1	1	295		rim	drawing 11		flanged rim; tooled or worn inner rim edge; cracked during firing; internal spacer stacking scar	
09	1039	1040	0592	BOU	smooth	jug / jar	1	1	72		base				
09	1039	1040	0592	TB		jug	1	1	30		BS				
09	1039	1040	0592	BL	GRE	small mug	1	1	8		BS		vessel 09	? ID	
09	1039	1040	0592	TB		large jug	1	1	69		BS			cracked during firing; glaze over break	
09	1039	1040	0592	TB		large bowl	1	1	100		rim			slightly everted internal hollow; worn rim edge	
09	1039	1274	0593	LMLOC	light dull oxidised / reduced / oxidised; medium to coarse sandy	bowl	1	1	16		rim			sloping with internal hollow; abraded; + common medium to coarse sub round to round quartz + moderate fe	
09	1039	1274	0593	STMO		cup	1	1	36		base			overfired; spacer stuck to base	
09	1039	1274	0593	STSL		thrown dish	1	1	11	light trailed yellow decoration	BS			light brown glaze	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
09	1274	1274	0595	FREC		bellarmine	1	1	15	face mask	BS				
09	1274	1274	0595	MARTII		costrel ?	1	1	5		BS			purple / brown exterior glaze	
09	1274	1274	0595	TB		large bowl	1	1	14		BS				
09	1274	1274	0595	RGRE		large bowl	1	1	51		BS			internal glaze; ? ID or LHUM	17th to 18th
09	1274	1274	0595	TB		jug / jar	1	1	23		BS				
09	1274	1274	0595	DUTR		cook pot / pipkin	1	1	4		BS			? ID or DUTRT	
09	1274	1274	0595	BERTH		bowl ?	1	1	7		BS				17th to 18th
09	1274	1274	0595	TOY		jug	1	1	7		BS				
09	1274	1274	0595	BL		cup	1	1	3		rim			staffordshire	
09	1274	1274	0595	TOY	+ ca	jug	1	1	13		BS			? ID or TB	
09	1274	1274	0595	TB		jar / bowl	1	1	11		BS			internal glaze	
09	1039	1040	0602	BERTH		jug / jar	1	1	24		BS			humber type; internal soot	
09	1039	1040	0602	BERTH		jar / bowl	1	1	7		BS			humber type; internal glaze	
09	1039	1040	0602	GRE		cup / mug	1	1	1		BS				
09	1039	1040	0604	TB		jug / jar	1	1	9		BS			glaze	
09	1039	1040	0604	TB		large bowl	1	1	53		BS				
09	1039	1040	0604	TOYII		jug	1	1	42		handle			oval strap; ? ID or TB; high fired	
09	1039	1040	0604	TB		bowl	1	1	17		BS				
09	1039	1040	0604	BORDY		chafing dish ?	2	1	18		rim + BS			soot; fine post fired hole through body; ? ID	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
09	1039	1040	0604	TB		large bowl	1	1	37		rim			everted rim with internal hollow and groove below	
09	1039	1040	0604	TB		large bowl	1	1	12		BS				
09	1039	1040	0604	TB		large jug / jar	1	1	272		BS				
09	1039	1040	0604	TOY		jug / jar	1	1	16		BS			? ID or TB	
09	1039	1040	0604	TB		large bowl	1	1	393		rim			hooked; internal wear / stacking mark around inner rim edge	
09	1039	1040	0604	TB		bowl	1	1	22		BS			soot over broken edges	
09	1039	1040	0604	TB		bowl	1	1	12		BS				
06	1144	1144	0609	TOY		drip dish	1	1	75		rim to base			thin sanded base; knife trimmed basal angle; same vessel (559) ?	
06	1012	1013	0615	POTT		large flared bowl	2	1	203		rim			? ID; incised wavy line decoration on internal rim; wide hollow everted rim; soot; patch of mortar internally	
03	1122	1124	0623	THETT	T	jar / pitcher	1	1	11	diamond roulette on shoulder	BS				
04	1279	1188	0637	LSH	A	jar	1	1	8		BS			slightly abraded	
04	1279	1188	0637	LSH	A	jar / bowl	1	1	2		BS				
04	1279	1188	0637	THETT	T	bowl	1	1	32		rim			inturned; soot	
07	1188	1188	0639	LSH	A	jar	1	1	6		BS				
07	1188	1188	0639	LSH	E	jar	1	1	6		base			very thin fabric	



phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
07	1188	1188	0639	LSH	A	bowl	3	1	29		rim			inturned; two fragments marked (502); soot; average weight	
07	1188	1188	0639	LSH	A	?	1	1	1		BS			flake	
04	1257	1257	0642	ELQC		jar	1	1	2		BS			soot; ? ID	
04	1257	1257	0642	SNLS		jar	1	1	3		BS			soot; ? ID	
04	1257	1257	0642	TOY		jar	1	1	5		BS		sample 69		
03	1201	1202	0644	LSH	A	jar / bowl	1	1	2		BS			soot	
03	1201	1202	0644	LSH	A	jar	1	1	8		BS				
03	1201	1202	0644	LSH	E	jar ?	1	1	2		BS				
03	1210	1211	0646	LSH	A	bowl	1	1	18		rim			inturned; slightly abraded	
03	1201	1202	0647	LSH	E	jar	1	1	5		BS				
03	1122	1124	0660	LKT		jar / bowl	1	1	23		base			interior soot and over break	
03	1122	1124	0662	LSH	E	jar / bowl	1	1	5		base			soot over break	
03	1122	1124	0664	LSH	A	jar	4	1	26		BS			interior and exterior soot	
03	1016	1018	0674	LKT		jar / bowl	1	1	14		base			soot	
03	1016	1018	0674	LKT		jar	1	1	10		base			soot	
04	1141	1142	0683	ST	A	jar / pitcher	1	1	10		base			exterior and part interior soot; internal deposit; thin glaze	mid 11th+
04	1141	1142	0685	ELQC		jar / bowl	1	1	27		base			? ID	
06	1126	1126	0690	TOY		jug / jar	1	1	6		base			cracked during firing	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
06	1126	1126	0690	TOY		jug	1	1	12	curved fe strip and pressed pads forming a flower ?	BS			cracked during firing	
06	1126	1126	0690	TOY		jug	1	1	9	applied fe strip	BS				
06	1126	1126	0690	LSH	A	jar / bowl	1	1	2		BS			soot	
06	1126	1126	0690	TOY		jug / jar	1	1	6		BS				
06	1126	1126	0690	TOY		jug / jar	1	1	9		BS			soot	
04	1117	1112	0693	TORK		small jar	1	1	5		BS			soot	
04	1253	1254	0695	SNEOT		small bowl	1	1	8		rim			everted; interior and exterior soot	
04	1253	1254	0695	ST	A / B	small jar	1	1	2		BS			soot; unglazed	mid/late 11th
04	1253	1254	0695	LKT		large jar / pitcher	1	1	61		base			soot on underside of base only; internal fe slip; thick walled	
04	1253	1254	0696	GSS		jar	1	1	11		BS			thick exterior soot	
06	1126	1126	0699	TOY		small jug	1	1	7		neck				
06	1126	1126	0699	TOY		jug	1	1	12		BS				
06	1126	1126	0699	TOY		jug	1	1	3		BS				
06	1126	1126	0699	TOY		large bowl	1	1	162		rim			unusual sloping rim with internal hollow; line of glaze to base from 52mm from rim edge; red slip or surfaces	
06	1126	1126	0699	TOY		curfew / fish smoker	1	1	326		base	drawing 03		thick internal soot; canopy handle join; pressed basal edge ?	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
06	1126	1126	0699	MEDLOC	dull; OX/black/dull oxidised	flared curfew / fish smoker ?	1	1	75		BS			medium to coarse sandy; abundant sub round to round quartz; moderate to common fe; occasional flint; occasional greensand; thick internal soot; abraded	
06	1126	1126	0699	TOY		jug / jar	1	1	3		BS				
06	1126	1126	0699	MEDLOC	dull oxidised OX/R/OX; fine sandy	jug / jar	2	1	7		BS			red exterior slip; abundant fine sub round to round quartz; common to abundant fine ca; common fine fe	
04	1134	1135	0709	THETT	T	pitcher ?	1	1	11	applied thumb pressed strip	BS				
04	1134	1135	0709	LSH	E	jar ?	1	1	1		BS		sample 74		
06	1105	1106	0724	TOY		jug	1	1	5		BS		sample 77		
06	1105	1106	0724	TOY	+ fe	jar ?	1	1	1		BS			soot	
02	1119	1119	0739	SLST		?	1	1	1		BS				
02	1119	1119	0739	TOY		small jug	1	1	189		BS			heavy untrimmed base; ? ID or TOYII	
06	1109	1110	0750	LKT		jar	1	1	2		BS			soot	
06	1109	1110	0750	LSH		jar	1	1	33		base			burnt ?; shell blown / leached from surfaces	
06	1109	1110	0750	TOY	sandy	large jug	2	1	233	complex applied self coloured strips with star stamp	BS	drawing 04		misfired external glaze	
06	1109	1110	0750	ST	B	jar	1	1	12		base			soot	
06	1109	1110	0750	TOY		jug	1	1	6		BS				

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
06	1107	1108	0759	DUTR		cook pot / pipkin	1	1	2		rim			soot	
06	1107	1108	0759	GRIMT		jug	1	1	62		handle			rod handle; no glaze; ? ID; abundant fine quartz	
04	1137	1138	0763	LKT		small jar	1	1	20		rim			EVER A 1; soot	
04	1137	1138	0763	LSW1	light oxidised	small jar	1	1	26		base			? ID	
04	1137	1138	0763	LSW1	light oxidised	small jar	1	1	24		BS			? ID; amber glaze spots	
04	1137	1138	0765	LKT		jar ?	1	1	1		BS			abraded	
04	1137	1138	0766	LKT		jar	1	1	34		base				
04	1137	1138	0768	LSX	R/DULL OX/R; very fine	jar / bowl	1	1	27		BS			abundant very fine to fine sub round to round quartz; moderate fe; micaceous clay	
04	1138	1138	0769	LSH	E	jar	1	1	8		BS			soot	
07	1267	1267	0773	TOY		bowl	1	1	5		BS			? ID or TOYII / TB	
07	1267	1267	0773	TOY		jug	1	1	8		BS				
07	1267	1267	0774	SNLS		jar	1	1	20		BS			soot; concretions; metallic surfaces	
07	1267	1267	0774	TOY		jug	1	1	5		BS				
07	1263	1264	0778	TOYII		jug	1	1	14	applied pressed strip; snaked ?	BS				
06	1260	1260	0779	LSWV5		jug	1	1	7		BS			exterior red slip	
06	1260	1260	0781	TOY	+ ca	jug	1	1	9		BS				
06	1260	1260	0781	TOY	+ ca	large jug	1	1	44		BS			cracked during firing; sherds marked (800)	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
06	1260	1260	0781	TOY	+ ca	curfew ?	1	1	29		base			circular prefired hole; internal soot; sherds marked 800	
07	1262	1262	0795	TOYII		small jug	1	1	16		BS				
10	1270	1270	0797	TPW		plate	1	1	8		rim				
07	1267	1267	0799	TOY		jug	1	1	11		BS				
07	1267	1267	0799	DST	B / C	jug	1	1	56		base			cu mottled glaze; stacking scar on side	
07	1267	1267	0799	TOY		jug / jar	1	1	8		BS			internal deposits ?; misfired	
07	1262	1262	0807	SNEOT		jar / bowl	1	1	8		BS			abraded; concretions; ? ID; late ?	
09	1301	1267	0813	BL	white fabric	?	1	1	10		BS			staffordshire ?; red slipped	
09	1301	1267	0813	TOYII		small jug	1	1	12		BS			cracked during firing; ? ID or TB	
09	1301	1267	0813	TOY		small jug ?	1	1	1		BS			very thin walled; ? ID	
10	1019	1019	0845	STSL		thrown dish	1	1	18		rim			orange fabric; plain white slip	
10	1019	1019	0845	NOTS		hollow	1	1	5		BS				
10	1019	1019	0845	NOTS		handled bowl / jar	1	1	61		rim with handle				
10	1019	1019	0845	NOTS		small hollow	3	1	15		BS				
10	1019	1019	0845	PEARL		bowl	1	1	31		rim				
10	1019	1019	0845	PEARL		small dish / saucer	2	1	31	chinoiserie	BS			? ID or TPW; "semi china", a crescent and "2" printed on bottom within a diamond border	

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
10	1019	1019	0845	TOY	+ ca	jug	1	1	55		BS				
10	1019	1019	0845	CREA		hollow	1	1	6		BS				
10	1019	1019	0845	PEARL		dish	2	1	16	blue feather on rim edge	rim				
10	1019	1019	0845	CREA		mug	1	1	82	blue banded	BS				
10	1019	1019	0845	PEARL		dish	1	1	22	blue feather on rim edge	rim				
	1273	1273	0846	TOY		jug	1	1	8		BS			crackled glaze	
	1273	1273	0846	TOYII		jug	1	1	38		base				
	1273	1273	0846	SIEG		jacobakann e	3	1	79		rim + handle			fresh breaks and no joining sherds	
	1273	1273	0846	TOY		jug	1	1	9	vertical applied strip	BS			late ?	
	1273	1273	0846	TOY		jug	1	1	5		BS				
	1273	1273	0846	TOYII		jug	1	1	53		BS				
	1273	1273	0846	TOYII		jar	2	1	18		rim			deep hollow everted rim	
	1273	1273	0846	TOY		jug	1	1	5		BS			or TOYII ?	
	1273	1273	0846	SCAR		jug	1	1	49		handle			rod handle; cu glaze; ? ID	
	1273	1273	0846	TOY		jug ?	1	1	30		base				
	1273	1273	0846	TOY		small jug	1	1	8		BS			thin walled	
	1273	1273	0846	TOY	+ ca	jug	1	1	7		BS	removed to fabric type series		or TOYII ?; cracked during firing	
	1273	1273	0846	TOY		jug	3	1	49		BS				

phase	cut group	group	context	cname	sub fabric	form type	sherds	vessels	weight	decoration	part	action	ref no	description	date
	1273	1273	0846	TOYII		large jug	1	1	229		LHJ	removed to fabric type series		strap handle; foliate join; cracked during firing; glaze over break	
	1273	1273	0846	TB		jug	2	1	168		rim with UHJ	drawing 16; removed to fabric type series		? ID or TOYII; cracked during firing	
	1273	1273	0846	TOYII		large bowl	1	1	92		rim			or TB ?; wide everted rim	
	1273	1273	0846	TOYII		small jug	1	1	16		BS			thin walled	
	1273	1273	0847	TB		jug / jar	1	1	2		BS			? ID	
	1273	1273	0847	GRE		jar / pipkin	1	1	5		BS			late ?	
			1113	TOY		jug / jar	1	1	19		BS			abraded; soot; post fired hole and file mark on basal angle; ? ID or light firing	
			1115	SLOOL		?	1	1	7		base			? ID	
			1115	TOY		jug ?	1	1	4		BS			spalled	
			1115	TOY		jug	1	1	10		BS			spalled in kiln; unmaturred glaze	
			1115	TOY		?	1	1	3		BS			? ID or MEDLOC	
			1115	TOY		small jug	1	1	4		BS				
07	1034	1034	0066	CIST		cup	1	1	1		BS		sample 07	vittrified	

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# THE CERAMIC BUILDING MATERIAL

ANNE BOYLE AND JANE YOUNG

## 2.1. INTRODUCTION

Five hundred and thirty-two fragments of Post-Roman ceramic building material, weighing *ca.* seventy nine thousand, nine hundred and twenty-six grams, were recovered from the site. All the material was recorded at archive level in accordance with Lincolnshire County Council's *Archaeological Handbook* (section 13.4.2) and with the guidelines laid out in Slowikowski, *et al.* (2001). The majority of the assemblage was medieval in date, with a small amount of post medieval and recent material. A sampling policy was agreed with The Collection (formerly the City and County Museum) and *ca.* twenty-two percent of the original assemblage, which represented undiagnostic or duplicate examples, was discarded.

## 2.2. METHODOLOGY

The material was laid out and viewed in context order. The number of fragments were counted and weighted. The chronology and coding system of the Lincoln Ceramic Type Series was used to assess the ceramic building material, which was examined visually and using x20 magnification. A

fabric type-series for the Old Leake tile and brick was composed during recording. Type sherds were removed from the archive to act as comparative fragments, and written descriptions for each of the fabrics are included below. The fabric for the Post Roman tile and brick was recorded, as were features such as glaze, decoration, nib/peg type and evidence for manufacture. New nib or flange types were either given a full written description, or were allocated a place in the tile type series. Measurements of the brick and tile were also taken where possible. A significant amount (twenty-eight percent) of the assemblage comprised of fired clay; the fabric and any distinguishing features of which were noted. This data was then added to an Access database. An archive list of the ceramic building material is included in Appendix 2.

## 2.3. CONDITION

Overall, only twenty-four fragments show more than slight signs of abrasion and generally the pieces are medium to large sized and relatively fresh (most falling between 11 and 148 grams), as indicated by the average fragment weight of 232g.



## APPENDIX 5

Three fragments of brick have cracked during firing and four fragments of brick (context **0194**, **0197**, **0198** and **0264**) have sag scars present. Twelve of the bricks have visible cloth impressions, and on two fragments (context **0572** and **0604**) the wood grain from the mould the brick was made in is visible; three fragments have evidence that suggests they were slop moulded (context **071** and **0249**).

Seventy fragments of brick have mortar present, and on a few examples the mortar runs over broken edges, suggesting they had been reused. Two fragments of brick have unusual impressions on them. One has small imprints, possibly from rain or the foot of a

small animal (context **147**); another has finger impressions (context **0003**). Fifty-five fragments show signs of sooting, and some of these have soot over breaks.

### 2.4. CHRONOLOGY AND SOURCE

A range of ceramic building material was found on the site. The total count of fragments and weight for each type is shown in Table 1. Most of the tile and brick was of types that could not be paralleled with material from other sites. As a result, a brick and tile type series was composed from the fragments in the assemblage. A single fragment was recommended for drawing and is shown in Table 2.

**Table 1. Ceramic building material codenames and total quantities by fragment count and weight**

Code name	Full name	Total fragments	Total weight (g)
BRK	Brick	242	72912
BRKDISC	Brick (discarded)	118	3865
FIREDCLAY	fired clay	151	2207
GFLOOR	Glazed floor tile	1	73
MISC	Unidentified types	1	1
NIB	Nibbed tile	2	218
PANT	Pantile	1	143
PEG	Peg tile	1	72
PNR	Peg, nib or ridge tile	15	1746

**Table 2. Catalogue of illustrated fragments**

Number	Context	Code name	Fabric	Description
drawing 23	0003	BRK	fabric 1	shaped brick possibly cut to shape pre-firing; mortar; 128 x 66mm; large pebble inclusion; struck upper; cloth impression?

**APPENDIX 5**

**2.5. DISCUSSION BY PERIOD**

Nine types of building material, from several periods, was identified. The majority of the ceramic building material assemblage dated

to the Medieval to Early Post Medieval period. The breakdown of types by site phase is shown in Table 3.

**Table 3 Total fragments of ceramic building material by phase**

Code name	-	01	02	03	04	06	07	08	09	10	4/7	TOTAL
BRK	9	14	3		1	8	120	7	78		2	<b>233</b>
BRKDISC						1	46	9	57		5	<b>118</b>
FIRED CLAY				10	24	36	76		3	2		<b>151</b>
GFLOOR							1					<b>1</b>
MISC							1					<b>1</b>
NIB							1		1			<b>2</b>
PANT										1		<b>1</b>
PEG							1					<b>1</b>
PNR						4	7		4			<b>15</b>
<b>TOTAL</b>	<b>9</b>	<b>14</b>	<b>3</b>	<b>10</b>	<b>25</b>	<b>49</b>	<b>253</b>	<b>16</b>	<b>143</b>	<b>3</b>	<b>7</b>	<b>523</b>

**2.5.1 LATE SAXON TO SAXO-NORMAN**

Most of the fired clay was largely undiagnostic, though fragments that may have come from an oven (context **0116**) and possible mould fragment (context **0674**) were found in Late Saxon and Saxo-Norman deposits (Phases 3 and 4). A single intrusive brick came from feature [1146].

visual and microscopic examination. The descriptions below relate to the fragments in the Old Leake ceramic building material type series, which is deposited with The Collection. In future, all fragments that can be paralleled the with Old Leake fabrics in the Ceramic Building Material Type Series should be recorded as ‘Old Leake Fabric #’.

**2.5.1 MEDIEVAL TO EARLY POST MEDIEVAL**

Bricks and tile are present in deposits from Phase 6, though are most common in Phase 7. The large brick and tile assemblage from Old Leake offered the opportunity to create a fabric type series for this area. A number of tile and brick fabrics were determined by

**Old Leake Roof Tile Fabrics**

Only eighteen fragments of flat roofing tile are present in the assemblage. The majority of this is undiagnostic peg, nib or ridge tile (PNR), though two nibbed tiles (NIB) and a peg hole tile (PEG) are also present. The manufacture and firing techniques of this tile suggest they are no later in date than the 16th

## APPENDIX 5

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century, and could date as early as the 13th century.

Seven fabric types were identified on this site

### *Fabric 1*

A calcareous fabric with common to abundant rounded calcareous grains up to 1mm, moderate fine to medium sized quartz, moderate to common larger calcareous grains up to 4-6mm, moderate iron, occasional striations of white clay, occasional flint and very occasional flint up to 20mm. The fabric is mainly oxidised with a reduced core, though is occasionally fully oxidised. Bedded on coarse material.

### *Fabric 2*

A calcareous fabric with abundant fine calcareous inclusions up to 3mm, moderate fine to medium sub-round quartz and sparse iron. The fabric tends to be oxidised with a reduced core and is bedded on coarse to medium sand and calcareous grains.

### *Fabric 3*

The fabric is oxidised with a reduced core, with common fine to medium round- to sub-round quartz, moderate shale/clay pellets up to 1.3mm, sparse moderate iron and is coarsely bedded. This fabric is similar to Boston Tile Fabric 1/2

### *Fabric 4*

Bright oxidised fabric with common to abundant, fine to medium round- to sub-round quartz, occasional flint, sparse calcareous grains, moderate iron, occasional quartz up to 1.5mm, occasional laminated clay pellets and occasional possible carbonised vegetation voids. The tiles are bedded on abundant medium to coarse, round- to sub-round quartz and calcareous grains.

### *Fabric 5*

Light reduced fabric with dull light oxidised surfaces. Fabric included occasional striations of light firing clay, common medium to coarse round- to sub-round quartz, moderate iron, occasional rounded calcareous grain, common fine rounded black inclusions (possibly iron or glauconite). The tiles are bedded on coarse quartz.

### *Fabric 6*

A dull oxidised fabric containing abundant medium to coarse round- to sub-round quartz, sparse to moderate fine rounded calcareous grains, sparse iron, bedded on medium to coarse quartz and calcareous grains.

### *Fabric 7*

Light oxidised fabric with moderate to common, medium to coarse round- to sub-round quartz, common light firing and darker firing striations, moderate iron, occasional

## APPENDIX 5

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calcareous grains, occasional shell and is bedded on medium to coarse round- to sub-round quartz.

Two methods of suspending the tiles are present. One tile had a peg hole 15mm in diameter (context **0011**). The peg tile occurs in a deposit dated to the late 13th to 15th century. The use of peg tiles varies in date and frequency across the county. They are less common in assemblages from central and North Lincolnshire and along the coast; in these areas nibbed tiles are more common. However, the occurrence and dating of peg tiles in assemblages from the south of the county is not known. Two examples of nibbed tiles are present. One was a moulded and folded nib (context **0569**) and one was moulded (context **0066**). Again, the dating for this type of roofing tile in the south of the county is not clear. Moulded nib tiles are likely to be of 13th to early/mid 14th century date. Folded nibs are found on tiles from Beverley possibly as early as the 13th century; at the Boston tile kiln this type was dated to the late 13th to 14th century though they are not found in assemblages in Lincoln until the 15th century (Mayes 1965). No ridge or glazed roofing tiles are present in the assemblage.

### **Old Leake Brick Fabrics**

The medieval brick in the assemblage was handmade, often showing evidence for

moulding, such as wood grain impressions and sanded bases and sides. The manufacture of the Old Leake bricks suggest they date to the late medieval to early post medieval period.

#### *Fabric 1*

Red to purple fine calcareous fabric with very fine background quartz, very fine background calcareous grains, occasional small sub-round quartz, moderate to common iron, sparse to moderate shale/clay pellets, sparse to moderate larger calcareous grains, lenses of clean clay and lenses of light firing clay, hard fired.

#### *Fabric 2*

Light orange to orange fabric, low fired and powdery, that includes moderate to common carbonised vegetation.

#### *Fabric 1/2*

Orange to orange-red fabric; as fabrics 1 and 2, but medium fired.

#### *Fabric 3*

Buff to light orange, fine fabric that is flecked with abundant fine calcareous grains, sparse iron, sparse large calcareous material, patches of abundant round to sub-round medium quartz, occasional quartz elsewhere, low fired.

#### *Fabric 4*

Buff Boulder Clay, with a fine sandy fabric. It contains abundant sub-round to round quartz, fine background quartz, common to fine iron, moderate to fine medium calcareous material, occasional streaks of lighter clay, hard fired.

#### *Fabric 5*

Buff to yellow fine fabric with abundant calcareous material almost merging into clay background, contains sparse iron, sparse round- to sub-round quartz, sparse large iron/shale up to 20mm, lenses of red calcareous clay, low fired.

#### *Fabric 6*

A dark-red, medium sandy fabric, with common fine to medium round- to sub-round quartz, occasional medium to large rounded quartz including occasional greensand, sparse iron, occasional fine calcareous material, hard fired.

#### **Fired Clay**

A substantial amount of fired clay is present in Medieval deposits. Daub, with lath impressions still evident, is present and some fragments had characteristic areas of oxidation and reduction that suggests they may have come from a mould. A number of fragments (contexts **0011**) of fired, compacted boulder clay fitted together and have a flat surface. It is thought these may have come from a compacted clay layer,

possibly a floor or a hearth. Several fragments similar to those in context **0011** are present in other contexts.

#### **Floor Tile**

A single glazed floor tile is present in context **0172**. The tile may be of English or Flemish origin, and probably dates to the 14th to 16th century.

#### **2.5.2 POST MEDIEVAL TO RECENT**

Comparatively little Post-Medieval building material is present, with a single 18th to 20th century pantile in context **0797**. Much of the brick in Phases 8 to 10 appear to be earlier types.

#### **2.6. DISCUSSION**

It is impossible to make any precise statements about the status or function of the site due to the limited size of the assemblage. However, the presence of brick, roofing and floor tile strongly points to a building having occupied the site or being located close. The presence of daub and what may be clay floor may suggest the presence of earlier occupation in wattle and daub buildings.

#### **2.7. SUMMARY**

The assemblage comprises of medieval and post medieval building material. The fabrics that are present are possibly local to the area and a ceramic building material type series has now been created for Old Leake.

## 2.8. RECOMMENDATIONS

The remaining material should be retained for further study. The Old Leake Ceramic Building Material Type Series is to be deposited with The Collection and a single fragment of building material is recommended for drawing and the illustration to be added to the archive.

## 2.9. FUTURE WORK

Assemblages of ceramic building material from Old Leake should be compared with the type series that is now established. This should be added to as new fabrics and nib/peg types are recognised in the future. The brick and tile would benefit from chemical analysis by ICPS, in order to assess the geological makeup of the Old Leake building material and in order to compare it with the brick and tile fabrics from Boston.

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# OLV05 Ceramic Building Material Archive

phase	group	cut group	context	cname	fabric	sub type	frags	weight	action	ref no	description	date
07	1034	1034	0068	BRK	fabric 1		1	514			handmade; abraded	
09	1042	1041	0263	BRK	fabric 1		1	3			handmade	
08	1175	1174	0312	BRK	fabric 1/2		1	290			soot; abraded; handmade	
07	1186	1186	0305	BRK	fabric 1		1	255			sunken margins ?; soot on upper surface and header; corner; 41mm thick; handmade	
07	1034	1034	0065	BRK	fabric 3		1	11			handmade	
07	1034	1034	0065	BRK	fabric 2		1	26			handmade	
07	1034	1034	0066	BRK	fabric 1		1	14			handmade; mortar	
07	1034	1034	0067	BRK	fabric 5		1	504			handmade; end; 109 x 55mm; poorly mixed; struck upper; salt surfacing	
07	1034	1034	0067	BRK	fabric 1		1	1158			130 x 60mm; mortar; sunken margins; bedded on coarse material; handmade	
08	1175	1174	0285	BRK	fabric 8		1	30			corner; smooth upper surface; sooted upper surface; handmade	
08	1175	1174	0285	BRK	fabric 1/2		3	33			abraded; handmade	
07	1034	1034	0067	BRK	fabric 1		1	152			average weight; handmade	

phase	group	cut group	context	cname	fabric	sub type	frags	weight	action	ref no	description	date
06	1005	1004	0314	BRK	fabric 1		2	47			sanded edges; struck upper; soot over break; handmade	
09	1028	1027	0280	BRK	fabric 1/2		1	6			handmade	
07	1154	1153	0316	BRK	fabric 1		2	27			abraded; handmade	
09	1028	1027	0271	BRK	fabric 1		1	19			salt surfacing; cloth impression; handmade	
09	1042	1041	0264	BRK	fabric 1/2		1	252			abraded; handmade	
09	1042	1041	0264	BRK	fabric 1/2		1	675			struck upper; possible soot on stretcher; handmade	
09	1042	1041	0264	BRK	fabric 1		2	617			same brick; abraded; salt surfacing; bright oxidised exterior surfaces; handmade	
09	1042	1041	0264	BRK	fabric 1		1	687			vitrified; misshapen and part bloated; struck upper; mortar; possible cloth impressions and sand bedded; 50mm thick; shaped ? possible cut out pre firing; handmade	
07	1241	1241	0071	BRK	fabric 1/2		1	1527	removed to type series		end; handmade; abraded; heavily straw bedded ; 56 x 110 mm; salt surfaces; mould marks - slop moulded ?; diagonal sag mark on stretcher	



phase	group	cut group	context	cname	fabric	sub type	frags	weight	action	ref no	description	date
07	1069	1068	0083	BRK	fabric 1		2	381			corner; sunken margins; glazed header blue green ash glaze; 58mm; cracked + glaze over break; handmade	
07	1069	1068	0083	BRK	fabric 1/2		1	598			handmade; 57mm	
09	1042	1041	0264	BRK	fabric 2		1	514			mortar over broken edge; possible cloth marks on edge; handmade	
09	1042	1041	0264	BRK	fabric 2		1	148			double sag scar forming a ridge; handmade	
09	1076	1075	0030	BRK	fabric 1		2	23			handmade; 52 mm; salt surfacing	
07	1162	1162	0284	BRK	fabric 1/2		2	5			handmade	
01	1001	1001	0317	BRK	fabric 1		1	449			bedded on sand and pebbles; fuel ash glaze; 60mm thick; abraded; handmade	
06	1007	1006	0253	BRK	fabric 1		1	45			salt surfacing; bedded on sand; striated with light firing clay; handmade	
07	1247	1246	0376	BRK	fabric 1		1	35			sanded sides; sunken margins; mortar; handmade	
09	1024	1024	0147	BRK	fabric 1		1	367			corner; 65mm thick; unusually worn; rounded corner; possible cloth impressions; handmade	

phase	group	cut group	context	cname	fabric	sub type	frags	weight	action	ref no	description	date
07	1247	1246	0375	BRK	fabric 1		1	60			fuel ash glaze; abraded; handmade	
07	1247	1246	0375	BRK	fabric 1		1	78			sanded base and edges; semi vitrified; handmade	
07	1184	1184	0369	BRK	fabric 1/2		1	11			abraded; handmade	
09	1076	1075	0030	BRK	fabric 1/2		2	43			handmade; mortar; same brick	
07	1241	1241	0033	BRK	fabric 1		1	115			handmade	
07	1241	1241	0033	BRK	fabric 1		1	115			handmade	
07	1241	1241	0033	BRK	fabric 1/2		1	23			same brick; handmade	
01	1001	1001	0317	BRK	fabric 1/2		1	475			unevenly bedded; soot over break; corner; 55mm; handmade	
07	1241	1241	0033	BRK	fabric 1/2		1	23			same brick; handmade	
01	1001	1001	0317	BRK	fabric 1		1	605			same brick; 65mm thick; soot over broken edge ?; handmade	
08	1079	1293	0257	BRK	fabric 1		2	128			salt surfacing; struck upper; sunken margins; handmade	
01	1001	1001	0317	BRK	fabric 1		1	506			bedded on sand; salt surfacing; 66mm thick; handmade	
01	1001	1001	0317	BRK	fabric 1		1	823			bedded on sand + ca + small pebbles and on sides; soot on stretcher; part trimmed side; 61 x 120mm; handmade	

phase	group	cut group	context	cname	fabric	sub type	frags	weight	action	ref no	description	date
01	1001	1001	0317	BRK	fabric 1		1	583			struck upper; sanded base and side; near end; vitrified; salt surfacing; 65 x 112mm; handmade	
01	1001	1001	0317	BRK	fabric 1		1	1881			uneven / possibly fingered upper surface; bedded on organic material; salt surfacing; 52 x 135mm x 145 mm; concretion; handmade	
01	1001	1001	0317	BRK	fabric 1		1	90			salt surfacing; possible cloth marks on sides; 57mm; handmade	
01	1001	1001	0317	BRK	fabric 1		1	307			abraded; salt surfacing; soot over break; 55mm thick; handmade	
01	1001	1001	0317	BRK	fabric 1		1	408			struck upper; salt surfacing; bedded on organic material; soot on stretcher and over break; 52mm thick; handmade	
01	1001	1001	0317	BRK	fabric 1		1	303			salt surfacing; possible cloth marks on sides; 57mm; soot; handmade	
01	1001	1001	0317	BRK	fabric 2		1	108			lipped edge; handmade	
01	1001	1001	0317	BRK	fabric 1		1	694			salt surfacing; bedded on organic material; possible soot on stretcher; corner; 56mm; handmade	
07	1154	1153	0316	BRK	fabric 1/2		1	3			abraded; handmade	

phase	group	cut group	context	cname	fabric	sub type	frags	weight	action	ref no	description	date
01	1001	1001	0317	BRK	fabric 1		1	441			abraded; corner; uneven upper surface; bedded on organic material; 50mm; handmade	
09	1026	1026	0144	BRK	fabric 2		3	115			very abraded; handmade	
09	1042	1041	0264	BRK	fabric 2		1	760			struck upper; mortar; 57mm thick near end; handmade	
07	1038	1037	0197	BRK	fabric 1		1	98			bedded on sand and organic material; possible soot; salt surfacing; handmade	
07	1038	1037	0197	BRK	fabric 2		1	118			organic impressions on upper surface; bedded on pebbles and sand; possible sag mark; salt surfacing; 60 x 115 x 111m; handmade	
07	1038	1037	0196	BRK	fabric 1		1	493			bedded on sand and organic material; corner; handmade	
07	1038	1037	0196	BRK	fabric 1/2		1	245			struck upper; salt surfacing; sanded edges; 57mm thick; soot on stretcher; handmade	
07	1038	1037	0196	BRK	fabric 1/2		1	18			+ organic material; handmade	
			1113	BRK	fabric 2		1	29			abraded; handmade	
			1113	BRK	fabric 1		1	27			abraded; soot; handmade	

phase	group	cut group	context	cname	fabric	sub type	frags	weight	action	ref no	description	date
			1115	BRK	fabric 1		1	11			bedded on sand and ca; handmade	
07	1038	1037	0196	BRK	fabric 1/2		1	344			abraded; handmade	
07	1038	1037	0194	BRK	fabric 1		1	259			vitrified; 53 mm thick; sunken margins; struck upper; roughly bedded; sanded sides; sag scar; mortar; salt surfacing; handmade	
07	1038	1037	0198	BRK	fabric 1		1	428			brushed upper ?; sunken margins; mortar; salt surfacing ?; sanded edges; corner; 58mm thick; handmade	
07	1038	1037	0194	BRK	fabric 1		1	98			abraded; struck upper; sanded side; handmade	
07	1038	1037	0198	BRK	fabric 1		1	178			59 mm thick; salt surfacing; handmade	
09	1024	1024	0147	BRK	fabric 1		1	82			edge; possibly cracked during firing / burning; reoxidised broken edge; 47mm; upper surface rain pocked / tiny foot impression; part reduced core; handmade	
09	1024	1024	0147	BRK	fabric 6		1	52			kiss mark; handmade	
07	1038	1037	0194	BRK	fabric 1		1	315			corner; abraded; handmade	
07	1038	1037	0194	BRK	fabric 1		1	151			abraded; handmade	

phase	group	cut group	context	cname	fabric	sub type	frags	weight	action	ref no	description	date
07	1047	1047	0193	BRK			1	326			corner; sunken margin; mortar ?; bedded on small pebbles; handmade	
07	1047	1047	0193	BRK	fabric 1/2		1	42			mortar including over broken edge; handmade	
07	1047	1047	0193	BRK	fabric 1		1	238			bedded on sand; mortar; abraded; handmade	
07	1047	1047	0193	BRK	fabric 1		1	235			vitrified; abraded; handmade	
09	1024	1024	0147	BRK	fabric 2		1	109			abraded; straw impression on base; handmade	
07	1233	1283	0187	BRK	fabric 1		1	21			corner; soot including over break; handmade	
07	1233	1283	0187	BRK	fabric 1/2		1	29			corner ?; handmade	
07	1038	1037	0194	BRK	fabric 5		1	5			; handmade	
07	1038	1038	0219	BRK	fabric 1/2		1	41			sunken upper margins; organic material voids; handmade	
	1273	1273	0847	BRK	calcareous		1	2			flake; handmade	
07	1069	1068	0083	BRK	fabric 1		1	205			handmade; abraded; handmade	
09	1024	1024	0147	BRK	fabric 2		1	7			; handmade	
07	1069	1068	0083	BRK	fabric 1		1	356			corner; struck upper; bedded on coarse material; possible cloth impressions; soot on header; abraded; 54mm; handmade	

phase	group	cut group	context	cname	fabric	sub type	frags	weight	action	ref no	description	date
07	1069	1068	0083	BRK	fabric 2		4	1256			same brick; handmade; end; 125 x 62-66mm; struck upper ; mortar; cracked prefiring; roughly bedded	
07	1069	1068	0083	BRK	fabric 2		1	1362			sunken margins; struck upper; variegated with light firing fabric; bedded on coarse material; possible cord marks on underside; one sooted stretcher; 125-126 x 62mm; handmade	
07	1038	1037	0249	BRK	fabric 1		1	50			salt surfacing; possibly glazed; handmade	
07	1038	1037	0249	BRK	fabric 1/2		1	116			mortar; base and sides bedded on fine sand; handmade	
07	1038	1037	0249	BRK	fabric 1		1	140			brushed upper surface ?; salt surfacing; sand bedded ?; slop moulded; soot over break; 46mm thick; handmade	
07	1036	1035	0227	BRK	fabric 1		1	1592			unevenly struck upper; sunken margins; mortar; salt surfacing; finger nail impressions; bedded on sand and fine ca; end; 175 x 129 x 49mm; handmade	
07	1036	1035	0226	BRK	fabric 1		1	1379			sand bedded; abraded; 173 x 53 x 120mm; handmade	

phase	group	cut group	context	cname	fabric	sub type	frags	weight	action	ref no	description	date
07	1038	1037	0197	BRK	fabric 1		1	209			same brick; struck upper; bedded on abundant ca + sand; salt surfacing; 41mm thick; handmade	
07	1034	1035	0224	BRK	fabric 1		1	44			vitrified; sanded base; salt surfacing ?; handmade	
09	1076	1075	0030	BRK	fabric 1/2		2	43			mortar ; same brick; handmade	
06	1097	1096	0212	BRK	fabric 2		1	3			handmade	
06	1097	1096	0211	BRK	fabric 2		1	8			abraded; handmade	
07	1038	1037	0199	BRK	fabric 1		1	430			struck upper; soot on base and possibly on upper; 57 mm thick; handmade	
07	1038	1037	0199	BRK	fabric 2		1	78			struck upper; handmade	
07	1038	1037	0199	BRK	fabric 1		1	228			salt surfacing; 64mm thick; handmade	
07	1069	1068	0083	BRK	fabric 1		1	1945			near length; handmade; 205 x 126 x 60mm sunken margin; struck upper; mortar; bedded on straw + rough material; salt surfacing ?; clay pellet or grog; soot on base?; handmade	
02	1245	1245	0086	BRK	fabric 2		1	50			very abraded; handmade	
07	1038	1037	0198	BRK	fabric 1/2		1	95			roughly bedded; handmade	



phase	group	cut group	context	cname	fabric	sub type	frags	weight	action	ref no	description	date
07	1038	1037	0198	BRK	fabric 2		1	1038			struck upper; corner; soot over one broken stretcher edge; 55 x 118mm; handmade	
07	1038	1037	0198	BRK	fabric 1		1	1532			large pebble inclusion; end; fuel ash glaze; mortar; 62-65mm thick; bedded on sand and pebbles; hard fired; sag scar on base; 125 x 117mm; handmade	
07	1038	1037	0198	BRK	fabric 2		1	64			abraded; handmade	
07	1036	1035	0226	BRK	fabric 1		1	1471			end; struck / brushed upper; mortar; bedded on sand and organic material and cloth; 143 x 128 x 46mm; handmade	
09	1024	1023	0590	BRK	fabric 1		1	50			semi vitrified; fuel ash glaze; mortar; handmade	
09	1274	1274	0595	BRK	fabric 2		1	8			abraded; flake; handmade	
09	1274	1274	0595	BRK	fabric 1		1	2			abraded; flake; handmade	
09	1274	1039	0593	BRK	fabric 1		1	224			mortar; 59mm; handmade	
07	1242	1242	0003	BRK	fabric 1		1	759			handmade; 55mm; corner; struck upper; coarsely bedded base	
09	1274	1039	0593	BRK	fabric 2		1	219			abraded; soot; mortar; 52mm; handmade	

phase	group	cut group	context	cname	fabric	sub type	frags	weight	action	ref no	description	date
07	1242	1242	0003	BRK	fabric 2		1	1428			orange; handmade; 64 x 126mm; soot on upper surface + base + one stretcher + possibly one header; abraded; sunken margins; end	
09	1274	1039	0593	BRK	fabric 1		1	160			semi vitrified; roughly bedded; sanded sides; fuel ash glaze; handmade	
09	1274	1039	0593	BRK	fabric 1		1	170			roughly bedded; salt surfacing; soot; 49mm; semi vitrified; handmade	
09	1274	1039	0593	BRK	fabric 1/2		1	391			roughly bedded; 57mm thick; handmade	
07	1242	1242	0003	BRK	fabric 2		1	472			very abraded; handmade	
09	1274	1039	0593	BRK	fabric 2		1	112			abraded; soot; handmade	
4/7	1252	1250	0383	BRK	fabric 1/2		1	36			abraded; handmade	
09	1024	1023	0590	BRK	fabric 1		1	442			salt surfacing; corner; 47mm; soot patch; handmade	
09	1274	1039	0603	BRK	fabric 2		1	22			abraded; handmade	
09	1024	1023	0590	BRK	fabric 1/2		1	145			bedded on organic material; soot patches including over break; 50mm thick; handmade	

phase	group	cut group	context	cname	fabric	sub type	frags	weight	action	ref no	description	date
09	1024	1023	0590	BRK	fabric 1		1	1120			struck upper; roughly bedded on sand + organic material; sanded sides; mortar; salt surfacing; end; 120 x 50 x 127mm; sunken margins; mortar over break; handmade	
09	1024	1023	0590	BRK	fabric 1		1	427			semi vitrified; bedded on sand and organic material and on sides; header near glazed; struck upper; salt surfacing; 55m thick; handmade	
09	1024	1023	0590	BRK	fabric 1/2		1	495			abraded; possible cloth impressions; 45mm thick; handmade	
09	1024	1023	0590	BRK	fabric 1		1	505			end; semi vitrified; struck / brushed upper surface and width; bedded on sand + organic material; 53-57 x 120mm; salt surfaces; vitrified header; handmade	
07	1242	1242	0003	BRK	fabric 1		1	866			handmade; smooth; struck upper; mortar; 62mm; possible finger print; possible soot on one stretcher	
07	1242	1242	0003	BRK	fabric 2		1	422			handmade; corner; soot on edges; abraded; 60mm	
09	1024	1023	0590	BRK	fabric 1		1	175			struck upper; salt surfacing; 54mm thick; handmade	

phase	group	cut group	context	cname	fabric	sub type	frags	weight	action	ref no	description	date
09	1024	1023	0590	BRK	fabric 2		1	321			abraded; handmade	
07	1247	1246	0375	BRK	fabric 1		1	278			corner; mortar; struck upper; roughly bedded; sanded sides; 40mm thick; handmade	
09	1024	1023	0590	BRK	fabric 2		1	148			edge; abraded; handmade	
09	1024	1023	0590	BRK	fabric 1		1	76			struck upper; mortar; sunken margins; sanded sides + fine ca; handmade	
07	1233	1232	0173	BRK	fabric 2		1	45			soot; handmade	
		1273	1273	0846	BRK	fabric 1	1	37			bedded on sand; soot on upper; 45mm thick; handmade	
		1273	1273	0846	BRK	fabric 1	1	15			soot; handmade	
09	1267	1301	0813	BRK	fabric 1/2		1	207			struck upper; sanded base; 54mm; unusual impressions on upper surface; handmade	
09	1221	1221	0150	BRK	fabric 1		1	72			near vitrified; mortar	
06	1260	1260	0779	BRK	fabric 1		1	248			roughly bedded + ca; 47mm thick	
09	1221	1221	0150	BRK	fabric 1/2		1	81			corner; 54mm thick; mortar; salt surfacing; sanded mould	
07	1233	1232	0170	BRK	fabric 2		1	64				
07	1233	1232	0172	BRK	fabric 1/2		1	129			struck upper; bedded on sand and small pebbles; 48-50mm thick	

phase	group	cut group	context	cname	fabric	sub type	frags	weight	action	ref no	description	date
07	1233	1232	0172	BRK	fabric 1/2		1	430			mortar; abraded	
06	1126	1126	0690	BRK	fabric 1		1	7			possible mould ?	
07	1233	1232	0172	BRK	fabric 5		1	148			corner; abraded; struck upper; 55mm thick; salt surfacing	
09	1274	1274	0595	BRK	fabric 1		1	18			salt surfacing	
07	1233	1232	0173	BRK	fabric 2		1	91			mortar; soot patch over break; roughly bedded	
09	1274	1039	0603	BRK	fabric 1		2	19			semi vitrified; marked (630)	
07	1233	1232	0173	BRK	fabric 1		1	55			+ carbonised vegetation; soot over broken edge	
07	1233	1232	0173	BRK	fabric 5		1	11				
09	1040	1039	0604	BRK	fabric 1		1	119			struck upper; sunken margin	
09	1040	1039	0604	BRK	fabric 1		2	180			clinkered; vitrified exterior; salt surfacing	
09	1040	1039	0604	BRK	fabric 1/2		1	8			abraded	
09	1040	1039	0604	BRK	fabric 1		1	578			struck upper; sunken margins; coarsely bedded; possible cloth / wood grain marks on edges; mortar; corner; 34-39mm thick	
09	1040	1039	0604	BRK	fabric 1		1	1285			end; sanded base; possible cloth impressions on sides; possible sag marks on upper; unusual impression on upper - plant ?; 135 x 115 x 49mm	

phase	group	cut group	context	cname	fabric	sub type	frags	weight	action	ref no	description	date
09	1040	1039	0604	BRK	fabric 1		1	211			semi vitrified; salt surfacing; bedded on organic material; 55mm thick; soot over break	
09	1040	1039	0604	BRK	fabric 2		1	146			abraded	
09	1040	1039	0604	BRK	fabric 1		1	215			vitrified header; struck upper; 49mm thick	
07	1233	1232	0173	BRK	fabric 1		1	21				
07	1242	1242	0003	BRK	fabric 1		1	1405			end; struck upper; sunken margins; bedded on sand and voids of large pebbles; one stretcher sooted extending to upper and lower and slightly round one corner	
07	1233	1232	0172	BRK	fabric 1/2		1	13			abraded	
07	1033	1033	0011	BRK	fabric 1		1	403			sunken margins; handmade; corner; 50mm; smooth upper surface	
07	1193	1193	0460	BRK	fabric 1		1	3				
09	1024	1023	0590	BRK	fabric 1		1	118			mortar	
07	1242	1242	0003	BRK	fabric 1		1	1162	removed to type series	drawing 23	shaped brick possibly cut to shape pre-firing; mortar; 128 x 66mm; large pebble inclusion; struck upper; cloth impression?	
07	1247	1247	0424	BRK	fabric 2		1	254			corner; abraded; mortar; 49mm thick	

phase	group	cut group	context	cname	fabric	sub type	frags	weight	action	ref no	description	date
07	1247	1247	0424	BRK	fabric 1		1	659			struck upper; sunken margins; coarse bedding; sanded sides; 62 x 125 mm	
02	1180	1179	0423	BRK	fabric 1		2	25				
	1273	1273	0004	BRK	fabric 1		3	93			handmade	
07	1033	1033	0011	BRK	fabric 1		1	264			soot over broken edge; 50mm; sunken margins	
06	1170	1169	0401	BRK	fabric 2		1	305			abraded; corner; 50mm thick	
07	1177	1176	0398	BRK	fabric 1/2		1	242			struck upper mortar; 120 mm wide; abraded	
07	1242	1242	0003	BRK	fabric 2		1	699	removed to type series		very abraded; handmade; shaped brick; struck upper; mortar; 57mm	
07	1177	1176	0398	BRK	fabric 1		1	75			bedding on organic material; salt surfacing; abraded	
09	1076	1076	0434	BRK	fabric 1/2		2	81			abraded	
07	1178	1178	0397	BRK	fabric 1		1	87			straight sided; very worn upper; flemish / english; reduced green glaze	
07	1178	1178	0397	BRK	fabric 1		2	42				
07	1033	1033	0013	BRK	fabric 2		1	151			handmade; edge; 48mm; soot on header	
07	1176	1176	0396	BRK	fabric 2		4	31			abraded	
07	1033	1033	0013	BRK	fabric 1		2	71			semi vitrified	

phase	group	cut group	context	cname	fabric	sub type	frags	weight	action	ref no	description	date
07	1161	1161	0394	BRK	fabric 1/2		1	58			abraded	
07	1161	1161	0394	BRK	fabric 1		1	530			struck upper; bedded on sand and organic material; 56mm thick; partly sooted over break; salt surfacing	
09	1076	1075	0030	BRK	fabric 1		1	201			handmade; 52mm; salt surfacing	
07	1161	1161	0394	BRK	fabric 2		1	78			abraded	
04	1146	1145	0390	BRK	fabric 1		1	12				
4/7	1252	1250	0383	BRK	fabric 1		1	7			abraded	
07	1033	1033	0011	BRK	fabric 1/2		1	105			corner; 46mm; handmade	
09	1205	1205	0569	BRK	fabric 1		1	529			salt surfacing; soot over break; sunken margins	
07	1242	1242	0003	BRK	fabric 1		1	1213			handmade; mortar; 140 x 52mm; struck upper; sunken margins; bedded on rough material including straw; stretcher sooted	
09	1024	1023	0576	BRK	fabric 1		1	536			bedded on organic; 60 x 105 mm; near vitrified; header	



phase	group	cut group	context	cname	fabric	sub type	frags	weight	action	ref no	description	date
07	1242	1242	0003	BRK	fabric 1		1	1132			handmade 126 x 59mm; salt surfacing; struck upper; sunken margins; straw marks on upper; bedded on uneven material; thick soot on one stretcher extending slightly over and underneath	
09	1207	1206	0574	BRK	fabric 1		1	679			sunken margins; soot; mortar ?; corner; roughly bedded; 50mm thick	
09	1205	1204	0572	BRK	fabric 1		1	835			bedded on coarse and organic material; stretcher has possible wood grain impressions; 59 x 120 mm	
09	1205	1204	0572	BRK	fabric 1		1	165			mortar; 55mm thick	
09	1205	1204	0571	BRK	fabric 1		2	505			semi vitrified; sanded base and sides; fuel ash glaze on upper; 53mm thick	
09	1205	1204	0571	BRK	fabric 1		1	235			struck upper; salt surfacing	
09	1205	1204	0571	BRK	fabric 2		1	654			mortar; soot on stretcher; sanded base; 51 mm	
07	1247	1246	0425	BRK	fabric 1		1	145			salt surfacing; mortar over break	
07	1242	1242	0003	BRK	fabric 1		1	1471			handmade; possible finger struck upper; sunken margins mortar unevenly bedded; 132mm x 55-60mm; end	

phase	group	cut group	context	cname	fabric	sub type	frags	weight	action	ref no	description	date
09	1166	1166	0491	BRK	fabric 5		2	30			abraded	
07	1058	1058	0527	BRK	fabric 1		1	30			salt surfacing	
09	1166	1166	0491	BRK	fabric 2		1	87			mortar over breaks	
07	1242	1242	0003	BRK	fabric 1		2	764			handmade ; sunken margins; straw marks base and upper; 1 header glazed with greenish fuel ash glaze ?; salt surfacing; corner; 63mm	
09	1205	1205	0569	BRK	fabric 2		1	593			struck upper; sanded sides; end; 48+ x 125mm; mortar	
07	1058	1058	0527	BRK	fabric 1/2		1	51			soot; abraded	
07	1058	1057	0528	BRK	fabric 2		1	51			abraded	
07	1242	1242	0003	BRK	fabric 1		1	2431			handmade; sunken margins; salt surfacing ?; mortar; struck upper; bedded on fine calcareous material also on edges; end near length; 190 x 62 x 117mm	
07	1242	1242	0003	BRK	fabric 1		1	1397			handmade struck upper mortar over all faces and edges including broken edge; 130 x 62mm; half brick	

phase	group	cut group	context	cname	fabric	sub type	frags	weight	action	ref no	description	date
07	1242	1242	0003	BRK	fabric 1		1	1112			end; struck upper; bedded on coarse material including straw/grass; sanded edges; sunken upper and sides; 116 x 58-62mm; mortar; probable salt surfacing	
07	1033	1033	0011	BRKDISC	fabric 1/2		3	20			handmade	
07	1242	1242	0003	BRKDISC	fabric 1		1	25			handmade	
07	1233	1232	0173	BRKDISC	fabric 2		1	41				
07	1034	1034	0065	BRKDISC	fabric 2		1	8			handmade	
07	1233	1232	0173	BRKDISC	fabric 1		1	39				
07	1241	1241	0071	BRKDISC	fabric 1		1	19			handmade	
07	1241	1241	0071	BRKDISC	fabric 1		1	19			handmade	
07	1233	1232	0173	BRKDISC	fabric 2		1	5			mortar	
09	1024	1024	0147	BRKDISC	fabric 2		8	67				
07	1069	1068	0083	BRKDISC	fabric 2		2	89			handmade; abraded	
07	1034	1034	0065	BRKDISC	fabric 1		2	16			handmade	
07	1069	1068	0083	BRKDISC	fabric 1		4	95			handmade; abraded	
07	1161	1161	0394	BRKDISC	fabric 1/2		5	81			abraded	
07	1038	1037	0249	BRKDISC	fabric 1		1	19				
09	1042	1041	0264	BRKDISC	fabric 2		1	13			mortar ?	
09	1042	1041	0264	BRKDISC	fabric 1/2		5	35				

phase	group	cut group	context	cname	fabric	sub type	frags	weight	action	ref no	description	date
09	1042	1041	0264	BRKDISC	fabric 1		2	27				
09	1042	1041	0264	BRKDISC	fabric 1		3	87			salt surfacing	
09	1042	1041	0264	BRKDISC	fabric 1/2		1	2			mortar	
09	1042	1041	0264	BRKDISC	fabric 1/2		2	47			salt surfacing or mortar	
08	1175	1174	0312	BRKDISC	fabric 2		1	20			abraded	
07	1038	1037	0249	BRKDISC	fabric 2		3	52				
4/7	1252	1250	0383	BRKDISC	fabric 1		2	9			abraded	
4/7	1252	1250	0383	BRKDISC	fabric 1/2		3	7			abraded	
07	1038	1037	0249	BRKDISC	fabric 1		1	15			soot	
07	1161	1161	0394	BRKDISC	fabric 1		1	82			abraded	
07	1177	1176	0398	BRKDISC	fabric 1/2		3	145			abraded	
09	1024	1023	0590	BRKDISC	fabric 2		3	154			abraded	
09	1024	1023	0590	BRKDISC	fabric 1		15	699			abraded	
09	1274	1039	0593	BRKDISC	fabric 2		3	288			abraded	
09	1274	1039	0593	BRKDISC	fabric 1/2		5	724			abraded	
09	1274	1039	0593	BRKDISC	fabric 1		9	525				
06	1108	1107	0759	BRKDISC	fabric 1		1	5				
08	1175	1174	0312	BRKDISC	fabric 1		8	75			abraded	
07	1038	1037	0199	BRKDISC	fabric 1		1	41				
07	1038	1037	0199	BRKDISC	fabric 1		1	16			sunken margins	

phase	group	cut group	context	cname	fabric	sub type	frags	weight	action	ref no	description	date
07	1047	1047	0193	BRKDISC	fabric 1		3	67			some organic material voids	
07	1038	1037	0194	BRKDISC	fabric 1		7	88			scraps	
07	1038	1037	0194	BRKDISC	fabric 1		1	71			near corner; mortar	
07	1038	1037	0196	BRKDISC	fabric 1		1	28				
06	1150	1149	0430	FIREDCLAY	fine silty		3	12			no form to any; reduced corners on 2 fragments	
09	1274	1039	0603	FIREDCLAY			1	1			abraded; marked (630)	
04	1090	1089	0179	FIREDCLAY			1	29			? ID or natural; very abraded	
04	1056	1055	0584	FIREDCLAY	reduced fine silty		1	1		sample 64		
03	1009	1008	0561	FIREDCLAY	fabric 1		1	4			silty fabric + organic material + fe	
06	1127	1127	0542	FIREDCLAY			1	11			sparse flint + common round to sub round medium quartz + common fe + moderate chalk + sparse larger quartz	
07	1058	1057	0528	FIREDCLAY	silty		1	8				
03	1124	1122	0623	FIREDCLAY	fabric 1		1	289			sanded base; abraded	
06	1150	1149	0483	FIREDCLAY	fine silty		1	2				
03	1124	1122	0666	FIREDCLAY	oxidised fine silty		1	6			+ organic impressions + quartz bedded ?	
07	1177	1176	0404	FIREDCLAY	light reduced fine silty		2	5		sample 38	+ organic impressions	
07	1177	1176	0404	FIREDCLAY	reduced fine silty		1	1		sample 38		

phase	group	cut group	context	cname	fabric	sub type	frags	weight	action	ref no	description	date
07	1033	1033	0011	FIRE CLAY	silty		1	70			possibly shaped; reduced centre; oxidised surfaces; silty fabric + carbonised vegetation voids	
07	1033	1033	0011	FIRE CLAY	boulder clay		15	309			flat surface; some joining fragments; + chalk + fe + greensand + flint	
07	1030	1029	0019	FIRE CLAY	dark reduced fin fabric		1	4		sample 03	? ID; large fe + mica	
07	1177	1176	0404	FIRE CLAY	oxidised orange fine silty		4	6		sample 38		
06	1005	1004	0525	FIRE CLAY	dull oxidised fine silty + mica		2	31			daub?	
04	1138	1137	0765	FIRE CLAY	fine silty		1	1				
10	1019	1019	0845	FIRE CLAY			1	4			abraded	
07	1267	1267	0773	FIRE CLAY	boulder clay + shell		3	85			flat surface; not burnt	
06	1072	1071	0156	FIRE CLAY			5	25			? ID or natural	
06	1072	1071	0157	FIRE CLAY	dull oxidised fine silty + mica		4	29				
06	1072	1071	0157	FIRE CLAY	oxidised orange fine silty		5	43			+ carbonised vegetation	
06	1072	1071	0157	FIRE CLAY	oxidised fine silty + mica		7	75				
06	1072	1071	0157	FIRE CLAY	dark red fine silty		1	17			fe rich + mica	
06	1072	1071	0157	FIRE CLAY	dull oxidised fine silty		1	5				
04	1188	1279	0637	FIRE CLAY	reduced fine silty + mica		1	4			daub ?; lathe impressions ca.10-12mm on 3 long sides	
06	1072	1071	0158	FIRE CLAY			1	14				

phase	group	cut group	context	cname	fabric	sub type	frags	weight	action	ref no	description	date
07	1038	1037	0249	FIRED CLAY	boulder clay		7	278			flat surface; surface sooted; hearth ?	
06	1106	1105	0724	FIRED CLAY	OX/R; fine silty		1	1		sample 77	mould	
04	1142	1141	0685	FIRED CLAY	silty		1	11				
04	1142	1141	0684	FIRED CLAY	fine silty oxidised + ca		7	34			worm casts or carbonised vegetation holes; some flattened surfaces	
03	1018	1016	0674	FIRED CLAY	OX/R; fine silty		3	2		sample 78	mould	
07	1233	1232	0173	FIRED CLAY			1	1			reduced core	
03	1018	1016	0674	FIRED CLAY	oxidised light orange		1	3		sample 78	+ occasional medium rounded quartz + occasional small fe + large occasional rounded ca	
03	1018	1016	0674	FIRED CLAY	oxidised fine silty		2	3		sample 78		
10	1226	1225	0135	FIRED CLAY	silty		1	7			very abraded	
03	1124	1122	0660	FIRED CLAY			1	44			reduced; high fe content; fine quartz; side and flat upper surface	
06	1072	1071	0158	FIRED CLAY			1	2				
07	1034	1034	0068	FIRED CLAY	reduced fine silty		1	1		sample 10	mould ?	
04	1067	1066	0052	FIRED CLAY			2	7				
04	1074	1074	0053	FIRED CLAY			2	19			carbonised vegetation ; daub ?	
07	1186	1186	0305	FIRED CLAY	dark red fine silty		5	4		sample 31	some reduced areas; mould ?	

phase	group	cut group	context	cname	fabric	sub type	frags	weight	action	ref no	description	date
07	1186	1186	0305	FIRED CLAY	dull oxidised fine silty		3	2		sample 31		
07	1186	1186	0305	FIRED CLAY	oxidised fine silty		2	6		sample 31	+ organic impressions	
07	1186	1186	0305	FIRED CLAY	cream; light oxidised with pale orange core		1	1		sample 31	fine background with larger quartz and large ca; flat surface	
07	1162	1162	0284	FIRED CLAY	dull oxidised fine silty		9	525			+ carbonised vegetation + patches of reduction; daub with lathe impressions at 12-20mm	
04	1074	1073	0050	FIRED CLAY	fine micaceous		1	2				
07	1034	1034	0068	FIRED CLAY	light oxidised fine silty		1	2		sample 10	+ organic impressions	
07	1186	1186	0305	FIRED CLAY	fine orange silty		1	6		sample 31		
09	1028	1027	0280	FIRED CLAY	fine red silty		1	1				
07	1032	1031	0076	FIRED CLAY			1	1			fine micaceous; ? ID or brick	
06	1213	1295	0079	FIRED CLAY			1	7				
07	1069	1068	0083	FIRED CLAY	fabric 2		1	11			abraded; similar to boulder clay	
09	1076	1076	0097	FIRED CLAY	fine calcareous		1	1			soot	
07	1034	1034	0092	FIRED CLAY	oxidised fine sandy		1	2		sample 09	+ organic impressions	
04	1238	1237	0088	FIRED CLAY			2	5				
07	1034	1034	0068	FIRED CLAY	fine orange silty		1	2		sample 10	micaceous	



phase	group	cut group	context	cname	fabric	sub type	frags	weight	action	ref no	description	date
04	1074	1074	0116	FIRED CLAY	dull oxidised fine silty + mica		1	14			possibly from oven; curved outer surface; lathe impression ca.8mm distance apart and 10mm thick	
04	1060	1060	0124	FIRED CLAY	silty		1	32			very abraded	
07	1038	1037	0196	FIRED CLAY	dark orange fine sandy + ca		4	5		sample 20	fabric reduced in areas ; mould ?; organic impressions?	
06	1044	1043	0016	FIRED CLAY	silty grey reduced		1	1		sample 02	mould ?; impressions on outer surface ?; light orange; oxidised exterior surfaces	
06	1044	1043	0016	FIRED CLAY	dull oxidised fine silty + mica		1	61			+ organic impressions; daub with lathe impressions at 20mm	
07	1030	1029	0019	FIRED CLAY	fine silty grey reduced		1	1		sample 03	mould ?; flat surface	
07	1030	1029	0019	FIRED CLAY	fine silty orange		1	2		sample 03		
07	1154	1153	0318	FIRED CLAY	OX/R/OX; fine silty + mica		2	3		sample 55	mould ?; shaped?	
04	1089	1089	0178	FIRED CLAY	oxidised fine sandy		3	1		sample 79		
07	1038	1037	0196	FIRED CLAY	dark red fine sandy + ca		2	2		sample 20	surfaces ?; exterior deposit or salt surfacing ?	
07	1154	1153	0318	FIRED CLAY	reduced fine silty + mica		1	1		sample 55	fe concretion	
07	1154	1153	0318	FIRED CLAY	dark orange fine silty + mica		1	1		sample 55	+ ca + organic impressions	
07	1154	1153	0318	FIRED CLAY	light reduced/ox; fine silty mica		1	1		sample 55		

phase	group	cut group	context	cname	fabric	sub type	frags	weight	action	ref no	description	date
07	1233	1232	0172	GFLOOR	orange		1	73			white slip; yellow glaze; chamfered edges; english / flemish ?	
07	1186	1186	0305	MISC	fine reduced		1	1		sample 31	pottery or CBM ?; frequent sub round quartz ; occasional medium ca ; sparse flint	
09	1205	1205	0569	NIB	fabric 6	moulded and folded nib	1	101			mortar; soot over break; 15mm thick; flat roofer	
07	1034	1034	0066	NIB	fabric 2	unusual moulded nib	1	117			burnt; soot over one edge; thumb press at nib join; flat roofer	
10	1270	1270	0797	PANT			1	143			flat roofer; 18th to 20th	
07	1033	1033	0011	PEG	fabric 3	round peg hole	1	72			flat roofer; near right corner; round hole 15mm diameter; finger pressed underside; soot; mortar	
06	1005	1005	0110	PNR	fabric 3		1	114			flat roofer, mortar; soot patch; 9-13mm	
07	1038	1037	0249	PNR	fabric 2		1	83			flat roofer; vitrified; salt surfacing; near corner; 17mm thick; bedded on sand and ca	
07	1178	1178	0397	PNR	fabric 3		1	27			flat roofer; mortar; 15mm thick	
07	1178	1178	0397	PNR	fabric 1		1	79			flat roofer; mortar; thin; 10mm thick; struck upper; coarsely bedded	
09	1024	1023	0590	PNR	fabric 5		1	19			flat roofer	

phase	group	cut group	context	cname	fabric	sub type	frags	weight	action	ref no	description	date
06	1005	1005	0110	PNR	fabric 3		1	459			flat roofer; mortar; soot patch including over edge; 14-16mm	
07	1033	1033	0011	PNR	fabric 3		1	154			corner; mortar; salt surfacing; 10mm; flat roofer	
06	1005	1005	0110	PNR	fabric 3		1	48			flat roofer; mortar; soot over break	
06	1005	1005	0110	PNR	fabric 3		1	30			flat roofer; mortar	
09	1042	1041	0264	PNR	fabric 1		1	56			salt surfacing; 14mm; flat roofer	
09	1024	1024	0147	PNR	fabric 1		1	70			flat roofer; 11-15mm; mortar	
07	1178	1178	0397	PNR	fabric 1		1	38			flat roofer; mortar; 15mm thick; added blob possibly a misformed nib	
09	1207	1206	0574	PNR	fabric 4		1	410			flat roofer; mortar; 15mm thick; bedded on fine sand and sparse ca	
07	1034	1034	0066	PNR	fabric 7		1	111			flat roofer; struck upper surface; coarsely sanded base	
07	1038	1037	0194	PNR	fabric 1		1	48			flat roofer; 15mm thick	
09	1042	1041	0264	BRK	vitrified		1	64			clinkered; sanded sides	

## Appendix 6

### THE WORKED BONE

by Gary Taylor

Two worked bones, in 3 fragments, weighing a total of 30g were recovered from two separate contexts.

#### Provenance

The material was recovered from pit fill (065, 750).

#### Range

The range of material is detailed in the table.

Table 1: Worked Bone

Context	Material	Description	No.	Wt (g)	Context Date
065	Bone	Handle for a scale tang implement	1	3	Medieval, 12 <sup>th</sup> century or later (could be post-medieval)
750	Bone	Perforated scoop/strainer	1(2 linking pieces)	27	Saxo-Norman-Medieval

One scale of a handle, almost certainly for a knife, was recovered from (065). Originally this handle would have been trapezoidal in shape but it is broken towards the area of the knife blade. Two copper alloy rivets survive and there is a partially surviving third rivet hole. Each rivet hole is about 2mm across but around the two surviving rivets there is a perfectly circular 'clean' area 8-9mm across. These clean circles may denote the size of the rivet heads but alternatively, and more probably, could signify the locations of washers or mounts. In addition to the rivet holes, three further perforations are present, a pair toward the back end of the handle and a third centrally located between the two rivets. These holes are 1-2mm across and are probably earlier rivet perforations, with one of them perhaps having slight ferrous staining around it. It thus appears that the handle has been reused. Comparable examples of scale handles in bone or related materials occur widely and it has been suggested that scale tang knives originated in the 13<sup>th</sup> century. However, one was found in an early 12<sup>th</sup> century deposit at York (MacGregor *et al.*, 1999, 1972-3) and another was retrieved from a mid 12<sup>th</sup>-mid 13<sup>th</sup> century level in Norwich (Margeson 1993, 123).

A fragmentary scoop or strainer was recovered from (750). This has been formed from a sheep left scapula (shoulder blade) from which the projecting processes have been trimmed and then a series of drilled holes, each about 4-5mm diameter. These holes are mostly arranged in two rows toward the blade end of the bone. This implement was evidently used for straining things from fluids and an identical tool, though manufactured from a right scapula of a sheep, was recovered from a 12<sup>th</sup>-13<sup>th</sup> century deposit in York (MacGregor *et al.* 1999, 1974; fig 929, no 7065). A further strainer, produced from a goose sternum (breast bone) but similarly perforated with numerous roughly circular holes, was found at Thetford, Norfolk, in a pit of apparently Saxo-Norman date, perhaps c. 1020-1100 (Rogerson and Dallas 1984, 182; fig 199, no 102).

#### Condition

All the material is in good condition and presents no long-term storage problems. Archive storage of the collection is by material class.

#### Documentation

There have been numerous previous archaeological investigations in Old Leake, including at the site and nearby, that are the subjects of reports. Details of archaeological sites and discoveries in the area are maintained in the files of the Boston Planning Archaeologist and the Lincolnshire County Council Sites and Monuments Record.

#### Potential

The worked bone assemblage is of moderate-high local potential and significance. In particular, the scoop is a rare and well-preserved example of an unusual tool, and has greater significance as an artefact for comparison to other

similar items.

### **References**

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

Rogerson, A. and Dallas, C., 1984 *Excavations in Thetford, 1948-59 and 1973-80*, East Anglian Archaeology **22**

## Appendix 7

### THE WORKED STONE

*By Paul Cope-Faulkner*

#### PROVENANCE

A total of 14 fragments of worked stone were retrieved during excavations at Church Road, Old Leake.

#### RANGE

A full catalogue of the retained stone material is outlined in the attached table.

The following categories of stonework were identified.

Category	No. of fragments
Architectural	5
Sculpture	1
Querns	5
Mortar	1
Vessel	1
Whetstone	1
Unknown	1

No stonework was identified during the evaluation of the site undertaken in 1996.

#### *Architectural*

Four architectural fragments were retrieved during the investigation. These comprise a capital, a door jamb and window tracery. The capital appears to be a 14<sup>th</sup> century example and was possibly partly engaged (joined to a wall). It is of a fine grained high quality limestone. The door jamb has moderate sized rolls. The window tracery would also appear to be late, perhaps early post-medieval, but is extensively worn.

It is possible that this material derived from St. Mary's church which lies 100m to the south of the site and which has recorded alterations/additions dating from the 14<sup>th</sup>, 15<sup>th</sup> and 16<sup>th</sup> centuries with restoration in the 19<sup>th</sup> century. None of the material would look out of place in ecclesiastical architecture.

A single fragment of well eroded ashlar was also retrieved.

#### *Sculpture*

A very worn fragment of engaged sculpture was derived from pit (082). Though not particularly clear, there appears to be traces of foliage over the piece.

#### *Querns*

Five quern fragments were identified. Three of them are made of volcanic lava rock derived from Germany. It is here referred to as Rhenish lavastone, although is also known as Andernach Stone, Mayen Lava and Niedermendig Lava. The remaining quern fragments are of sandstone through to grit.

Previous studies have concluded that querns of this size were generally not used in the production of flour as this would have been controlled by manorial authorities. In light of this, it is thought that such querns were used to grind malt for brewing (Smith and Margeson 1993, 202). This is unlikely to indicate a localised industry but domestic scale brewing.

#### *Mortar*

A large, nearly half complete, limestone mortar was retrieved as an unstratified find. It is made from Barnack Rag, a shelly rich limestone. It is unusual in that the rim is not level and slopes quite dramatically. This may have sloped towards a pouring lip. It is similar to an example found at Baston

Hall Farm, Lincolnshire (Haynes and Ashton 2003, 28).

#### ***Vessel***

A single lathe turned fragment of sandstone was recovered from pit (082). The interior is not as well finished as the exterior which has been polished to a high standard. It is not clear as to its function and may have originally formed a tube, perhaps a chimney pot.

#### ***Whetstone***

A single fragment from the body of a whetstone, all four faces show signs of wearing. One central groove, not parallel to edge, which suggests the sharpening of a pointed tool.

#### ***Other***

Nine fragments of a micaceous shale were recovered, though could possibly be a low quality slate. None of this material is preserved well enough to indicate its original usage.

### **POTENTIAL**

The stone assemblage has possible potential in determining the following questions;

1. Is there any association of the architectural fragments with those present in the extant church of St. Mary to identify a source of this material or the possibility of identifying a relatively high status building such as a chantry (two are recorded in Old Leake) or a manorial complex.
2. Is there any association of querns with deposits and ecofacts indicating brewing.

### **CONDITION**

All of the material is in stable and good condition and requires no special treatment.

### **ILLUSTRATION**

All the architectural fragments, the sculptural piece, the mortar and unidentified vessel would benefit from being drawn.

### **REFERENCES**

Haynes, S. and Ashton, M., 2003, 'Stone' in G. Taylor, Hall Farm, Baston, Lincolnshire: Investigation of a Late Saxon Village and Medieval Manorial Complex, *Lincolnshire History and Archaeology* Vol. **38**

Smith, D. and Margeson, S., 1993, 'Querns' in Margeson, S. (ed), *Norwich Households: The medieval and Post-medieval finds from Norwich Survey Excavations 1971-1978*, East Anglian Archaeology **58**

## Appendix 8 THE GLASS

### Introduction

Nineteen sherds of glass were retrieved during recent excavations undertaken at Old Leake, Boston, Lincolnshire. The assemblage dates from the later medieval period to the 20th century and comprises mainly bottle glass with some sherds of earlier window glass.

The assemblage is summarised below as *Table 1*.

*Table 1*

Context	Type	No	Wt (g)	Date
065	Window glass, potash, border sherd with red linear decoration and cross. Grozing along two edges.	1	12	Later medieval-early post medieval
066 <8>	Window glass, potash, traces of painted decoration.	1	2	Later medieval-early post medieval
067 <8>	Window glass, potash, traces of painted decoration	2	1	Later medieval-early post medieval
092 <9>	Window glass, colourless. Grozing along one edge.	1	4	17th-18th century
144	Base sherd of bottle push-up, heavy iridescence	1	34	18th century
	Window glass, colourless, heavy iridescence (undated sherd)	1	1	
147	Bottle glass including push-up sherd (base)	6	64	19th century
	Window glass, colourless (undated sherd)	1	1	
271	Colourless window glass	1	12	20th century
	Bottle glass-green, mould produced with embossed advertising partially visible]NS LD, ]TRENT[	1	52	
312	Window glass, colourless, heavily weathered	1	1	Post-medieval
434	Window glass, colourless, heavy iridescence	1	1	Later post-medieval
590	Bottle glass, green, heavy iridescence	1	4	18th-19th century

### Discussion

The glass is not untypical of material for the post-medieval period within a rural context with a majority of the assemblage consisting of bottle sherds. Several sherds of later medieval painted window glass were recorded from the site. Although these sherds are all presently in a poor condition due to the erosional nature of the potash glass, they are likely to represent fragments from a nearby ecclesiastical building.



## Appendix 9

### THE OTHER FINDS

*By Gary Taylor*

A mixed assemblage of artefacts, comprising 441 items weighing a total of 6871g, was recovered.

The mollusc shell assemblage comprises 166 fragments weighing 580g. The shell was identified by reference to published catalogues.

#### Provenance

The material was recovered from pit fills (011, 013, 016, 028, 030, 060, 065-8, 083, 092, 099, 115, 156-7, 194, 196-8, 212, 249, 250, 284, 305, 375, 381, 388, 394, 396-8, 404, 434, 499, 577, 592-3, 595, 602-4, 637, 759, 773-4, 797, 813), ditch/gully fills (022, 076, 113, 116, 144, 147, 178, 232, 235, 244, 257, 264, 271, 285, 312, 314316, 318, 423, 429, 430, 458, 491, 502, 525, 561, 563, 569-72, 576, 584, 590, 650, 684-5, 709, 724), beam slot fills (019, 674), the fill of an indeterminate cut (642), and as unstratified material (846-7).

It is likely that most of the ceramic building materials and clay pipe were manufactured locally in Boston or nearby.

#### Range

The range of material is detailed in the tables.

*Table 1: Metal Artefacts*

Context	Material	Description	No.	Wt (g)	Context Date
011	?Iron	Ferrous encrustation	1	41	
	Iron	Nail	1	5	
028	Iron	Blade/tool handle? D-profile tang	1	34	
030	Iron	Nail	1	5	
065	Iron	Nail	1	2	
	Iron	Nail?	1	14	
	Iron	Wire?	2	7	
066	Iron	Nail	1	14	15 <sup>th</sup> -17 <sup>th</sup> century
	Copper alloy	Lace tag, 15 <sup>th</sup> -17 <sup>th</sup> century	1	1	
068	Copper alloy	Wire loop fastener, late medieval-post-medieval	1	1	Late medieval-post-medieval
076	Iron	Nail	1	5	
083	Iron	Horseshoe, 15 <sup>th</sup> century	2	307	15 <sup>th</sup> century
	Iron	Nail	1	7	
137	Copper alloy	Pin, round headed	1	1	1247-1483
	Iron	Nail	1	5	
	Silver	Coin, long cross halfpenny, obverse illegible, 1247-1483	1	1	
144	Iron	Nails	2	5	
147	Iron	Sheet	29	244	
	Iron	Nail	1	5	
157	Iron?	Ferrous encrustation	1	16	
179	Iron	Nail	1	4	
187	Copper alloy	Lace tag, 15 <sup>th</sup> -17 <sup>th</sup> century	1	1	15 <sup>th</sup> -17 <sup>th</sup> century
	Copper alloy	Tack	1	1	
	Iron	Nail	1	7	
196	Coal	Coal	1	49	
	Copper alloy	Probable spoon bowl	12	5	
224	Iron	Nail	1	25	
250	Iron?	Ferrous encrustation	1	73	
263	Iron	Rectangular sheet	1	14	
284	Iron	Nail	2(link)	17	
290	Copper alloy	Brooch, extremely abraded	1	5	

Context	Material	Description	No.	Wt (g)	Context Date
307	Iron	Rectangular sheet with rivets	1	25	
309	Iron	Knife, scale tang	1	35	15 <sup>th</sup> century?
312	Iron	Knife, concave blade, inclined whittle tang, possible leather-worker's tool	1	17	17 <sup>th</sup> century?
314	Iron	Knife, whittle tang	1	7	Medieval?
316	Iron	Nail	1	4	
369	Iron	Nail	1	6	
375	Copper alloy	Rectangular strip, 25mm wide, rivet holes 5mm dia, post-medieval	1	27	Post-medieval
376	Iron	Nail	1	5	
394	Iron	Nail	1	9	
397	Iron	Nails	2	18	
501	Iron	Nail	1	3	
514	Iron	Nail	1	19	
527	Iron	Double-looped buckle	1	42	
528	Copper alloy	Amorphous lump	1	32	
574	Iron	Rectangular sheet/bar	1	174	
	Iron	Ferrous encrustation, hoe??	1	172	
590	Iron	Nail	1	5	Post-medieval?
	Iron	Spade shoe?, post-medieval?	1	187	
	Iron	Vessel rim?	1	103	
591	Iron	Horseshoe	2(link)	287	Post-medieval, perhaps late
592	Iron	Spade shoe?	1	184	Post-medieval?
593	Iron	Nails	2	13	
	Lead	Binding?	1	6	
602	Iron	Rectangular block	1	752	
639	Iron	Nail?	1	13	
674	Iron	Wire	2	1	
846	Iron	Nail	1	20	
	Iron	Large nail, angled head	1	55	

Note: CBM = Ceramic Building Material

Lace tags, as found in (066) and (187), were introduced in the 15<sup>th</sup> century to prevent the ends of laces fraying, and to assist threading, with laces used for various dress functions, such as doublet and hose, bodices and girdles. They seem to remain in use until the 17<sup>th</sup> century (Margeson 1993, 22).

A wire loop fastener, comprising a ring of wire with the ends twisted together, was recovered from (068). Their precise function is not known but their association with burials, particularly being found positioned along the arms of skeletons, confirms their use as fasteners. They often occur in association with pins and lace tags (Margeson 1993, 20), and the present assemblage also contains such artefacts.

Two horseshoes were recovered. That from (083) is virtually identical to one from Southchurch Hall, Essex, dated to the 15<sup>th</sup> century. It is drastically asymmetrical, with one branch wide and flattened, as normal, but the other considerably feathered, being narrow and also thickened, and is perhaps a surgical shoe (Major 2006, 53; fig 44, no 105). The second horseshoe, from (591), is a late form with even branch width, similar to one of 18<sup>th</sup> or 19<sup>th</sup> century date from Baconsthorpe Castle, Norfolk (Goodall 2002, no. 64).

Pieces of what may be a spade shoe were recovered from (590) and (592). Although they are similar, the pieces from each context having indications of a straight blade, the side straps are of differing widths. The side strap arrangements are most similar to a square-bladed spade shoe found in a post-medieval context at medieval Southchurch Hall, Essex (Major 57, fig 49, no 134). Curved blades spade shoes have been found in Thetford, and also Norwich Castle, and dated to the Late Saxon or early medieval (Goodall 1993c, 193), though these have lacked side straps. The examples found here at Old Leake would therefore seem to be post-medieval. Spade shoes were affixed to wooden spades to provide sharp cutting edges.

A scale-tang knife with a sloping shoulder was recovered from (309), the handle being about  $\frac{1}{3}$  of the length of the complete implement. This is similar to 15<sup>th</sup> century examples from London (Cowgill *et al.* 1987, nos. 256 & 262). Scale tangs were first introduced in the 14<sup>th</sup> century (*ibid.* 26).

The knife from (312) has a wide blade, with the whittle tang seemingly at an unusual angle to blade. This is perhaps a leather-working tool as very closely comparable wide-bladed, concave edged cutting implements with angled tangs have been identified as such in Norwich and there dated to the 17<sup>th</sup> century (Goodall 1993b, nos. 1473, 1475). Alternatively, it may be a fish knife and has some similarities to late 14<sup>th</sup>-15<sup>th</sup> century examples from London (Cowgill *et al.* 1987, nos. 111-113) and Norwich (Goodall 1993a, no. 817).

Table 2: Miscellaneous Artefacts

Context	Material	Description	No.	Wt (g)	Context Date
011	CBM	Fired clay/hearth lining	2	41	
	Charcoal	Charcoal, roundwood	2	6	
013	Coal	Coal	1	8	
	CBM	Fired clay/hearth lining	2	46	
016	Cinder	Cinder/clinker	5	93	
	Fired clay	Fired clay	2	62	
019	Fired clay	Fired clay	3	7	
022	Flint	Natural	1	165	
060	Cinder	Cinder	1	11	
065	CBM	Fired clay	5	8	
	Clinker	Clinker	1	25	
066	CBM	Fired clay	2	6	
068	Fired clay	Fired clay	3	5	
076	Coal	Coal/cinder	3	6	
083	Flint	Natural	1	11	
	Stone	Burnt stone	1	80	
092	Fired clay	Fired clay	1	2	
113	Clinker	Coal/clinker	1	5	
115	Coal	Coal	1	5	
116	Flint	Natural	1	218	
	Fired clay	Burnt daub, wattle impressions	1	14	
144	Clinker	Clinker	2	16	
	Coal	Coal	1	10	
147	Cinder	Cinder	1	6	
156	Stone?	Burnt limestone?	1	11	
157	Stone	Limestone natural	1	9	
	Fired clay	Fired clay	17	155	
178	Fired clay	Fired clay	3	1	
194	Stone	Burnt stone, flat	1	366	
196	Coal	Coal	1	49	
	Fired clay	Fired clay	6	7	
197	Ceramic	Glazed spindle whorl, flattened sphere, 3 grooves around centre, 27mm dia, 10mm dia spindle hole	1	21	16 <sup>th</sup> century
198	Charcoal	Roundwood	2	7	
235	Charcoal	Roundwood	1	1	
257	Clinker	Clinker	1	3	
264	CBM	Handmade brick, incinerated	1	60	Post-medieval
284	Coal	Coal	2	3	
	Fired clay	Wattle, daub impressions	10	525	
285	Coal	Coal	1	6	
	Slate	Slate	2	14	
305	CBM	Handmade brick	1	32	
	Fired clay	Fired clay	13	20	

Context	Material	Description	No.	Wt (g)	Context Date
316	Charcoal	Roundwood	3	6	
318	Fired clay	Fired clay	5	7	
375	Clinker	Clinker	1	73	
381	Charcoal	Charcoal	1	3	
388	Industrial residue	Hearth lining with slag (fuel ash slag?)	1	63	
394	Coal	Coal	13	37	
396	Coal	Coal	1	4	
397	Coal	Coal	1	1	
	Stone	Mica schist hone	1	29	
404	Fired clay	Daub, wattle impressions	7	12	
423	Coal	Coal	2	10	
430	Pot	Crucible, red on exterior	1	2	Late Saxon
434	CBM	Fired clay	4	8	
	Coal	Coal	2	2	
502	Stone	Burnt stone, flat	1	248	
516	Charcoal	Roundwood	20	44	
525	Fired clay	Fired clay	2	34	
570	Stone	Burnt stone, flat	1	117	
572	Clinker	Clinker	1	7	
577	Clinker	Clinker	2	9	
584	Fired clay	Fired clay	1	1	
590	Mortar	Mortar	2	9	
593	Mortar	Mortar	1	5	
595	Clinker	Clinker/cinder	3	1	
602	Clinker	Clinker	1	3	
637	Fired clay	Daub, wattle impressions	1	5	
650	Fired clay	Fired clay	1	1	
666	Fired clay	Fired clay	1	4	
674	Fired clay	Fired clay	6	9	
684	Fired clay	Fired clay	7	34	
685	Coal	Coal	2	4	
724	Fired clay	Fired clay	1	1	
759	Clinker	Clinker	1	4	
813	Coal	Coal	3	3	
846	Fired clay	Fired clay	1	21	
	Flint	Natural	1	55	
847	Coal	Coal	8	33	
	Clinker	Clinker	10	140	
	Mortar	Mortar	1	1	
	Flint	Natural	2	41	
	Fired clay	Fired clay	1	3	

Note: CBM = Ceramic Building Material

A fragment of crucible with an external red glaze was recovered from (430). This colouration has previously been observed on crucibles used for copper alloy melting, for example, at Ribchester (Starley 2000, 340) and Worcester (Taylor 2004, 385) and it is probable that the same metal was being cast here at Old Leake.

Material that is either burnt or associated with burning forms a significant proportion of the assemblage. This material includes coal, clinker/cinders, charcoal, fired clay and burnt stone. There is also slag and the crucible fragment. Small-scale industrial activity is implied by the slag and crucible, though much of the remainder of the burnt material is of uncertain derivation, perhaps related to domestic cooking and fires.

Several burnt flat stones were found and could be baking stones, or hearth bases.

A ceramic spindle whorl was recovered from (197). This is made of Raeren stoneware, a pottery type from the Belgium-German border, and virtually identical examples have been found previously, both in the Belgian kilns and elsewhere. A few have been found in England previously and generally date from the late 15<sup>th</sup> to early 16<sup>th</sup> century (Hurst *et al.* 1986, 206-7). Such whorls were used to weight spindles during the production of thread. This example may, therefore, imply the spinning of thread at the site. However, the lack of other whorls, in any material, casts some doubt on this, and it is perhaps more probable that the spinning craft took place elsewhere nearby and that this example was discarded at the investigation site.

## **CLAY PIPE**

Analysis of the clay pipes followed the guidance published by Davey (1981).

### **Provenance**

Most of the clay pipe assemblage was probably made in Boston, though there is one piece that is likely to be an import, perhaps from Holland or London. Some of the earliest bowls may also be imports.

### **Range**

A total of 101 fragments of clay pipe weighing 489g were recovered from 16 separate contexts and the range of material is detailed in the table. Bowl forms were identified with reference to both national and local Lincolnshire typologies (Oswald 1975; Mann 1977).

Table 3: Clay Pipe

Context no.	Stem bore /64"					TM	TU	Total	Wt(g)	Comments	Context date
	4	5	6	7	8						
016			1			1		1	4		17 <sup>th</sup> century
030				1		1		1	1		17 <sup>th</sup> century
144			2	2		4		4	15	Incls. 2 mouthpieces	17 <sup>th</sup> century
147		1	2			3		3	5		18 <sup>th</sup> century
271	1					1		1	1		19 <sup>th</sup> century
458				2		2		2	2		17 <sup>th</sup> century
491				2		2		2	4	1 mouthpiece	17 <sup>th</sup> century
576			1			1		1	2		17 <sup>th</sup> century
590			5	4	1	10		10	35	Bowl, cf Mann form 143/Oswald G9, c. 1690-1720	c. 1690-1720
592			3	14	5	22		22	174	6x Lincoln type A bowls, c. 1640-90; 1x Lincoln type B bowl, c. 1660-90	c. 1660-90
593				4	6	10		10	51	2x Lincoln type A bowls, c. 1640-60; 1 mouthpiece	c. 1640-60
595			2	5	14	21		21	84	4x Lincoln type A bowls, c. 1640-90; 3 mouthpieces	c. 1680-90
603				1		1		1	10	Lincoln type A bowl, c. 1640-60	c. 1640-60
604		5	4	6	5	20		20	97	Oswald G4 bowl, c. 1600-40; Lincoln type A bowl, c. 1640-60; mixed group	18 <sup>th</sup> century
797	1					1		1	2		19 <sup>th</sup> century
813		1				1		1	2		18 <sup>th</sup> century
<b>Totals</b>	2	7	20	41	31	101	0	101	489		

Notes: TM = Total Measured; TU = Total Unmeasured

Most of the pipes are 17<sup>th</sup> century in date, though there are a few 18<sup>th</sup> and 19<sup>th</sup> century pieces.

Context (604) yielded a single bowl of Oswald's general type 4, dating to the period 1600-40. London had a virtual monopoly in pipe production until 1640 (Jackson and Price 1974, 10) and, with a few exceptions, pipe production only commenced elsewhere across Britain after this date. Consequently, this particular pipe is likely to be an import from London, or perhaps the Netherlands, which was also an early producer and supplier of clay pipes to England.

It is probable that majority of the clay pipe assemblage was manufactured close to Old Leake in nearby Boston, only 8km to the southwest. The earliest documentary evidence for pipe making in Boston dates from 1676 when the death of pipe maker James Harford was recorded (Wells 1979, 127-8). Numerous Lincoln type A bowls were recovered during the investigations, with most of them of the period 1640-60. It is possible that these were products of Harford, or contemporary but un-documented Boston pipe makers, though there remains a chance that they may be imports from London or Holland.

### Potential

Other than providing dating evidence, the pipe assemblage is generally of limited local potential and significance, though the chronology of some of the pieces may indicate an earlier commencement of pipe making in the Boston area than hitherto known, and this is of moderate potential.

Table 4: The Mollusc Shell

Context	Species	No.	Wt (g)	Comments
011	Whelk	2	12	
	Oyster	1	4	
	Mussel	1	3	
	Cockle	1	1	
013	Whelk	1	4	
016	Oyster	1	12	
028	Mussel	13	43	
	Cockle	2	1	
050	Mussel	1	5	
065	Oyster	1	10	
	Cockle	7	9	1 holed
066	Oyster	1	17	
	Cockle	1	1	holed
099	Oyster	1	5	Cut?
113	Oyster	1	9	Panel excised
156	Oyster	7	79	
157	Oyster	12	130	
	Mussel	4	4	
194	Oyster	1	9	
196	Oyster	1	4	
	Cockle	2	3	
197	Mussel	1	3	
	Cockle	2	3	
198	Oyster	1	13	
	Cockle	2	1	
212	Mussel	20	32	
	Cockle	2	1	
	Tellin	1	1	
232	Mussel	3	8	
244	Mussel	1	2	
249	Mussel	1	3	
314	Oyster	1	6	
316	Oyster	2	12	
358	Mussel	2	2	
381	Mussel	4	2	
398	Mussel	1	1	
429	Mussel	4	1	
434	Whelk	1	1	
499	Cockle	5	5	1 holed twice
525	Mussel	1	2	
561	Mussel	8	2	
	Cockle	3	1	
563	Mussel	1	2	
569	Oyster	1	7	
571	Oyster	2	5	
642	Cockle	1	2	
650	Mussel	5	2	
684	Oyster	1	15	
	Mussel	5	17	
	Cockle	4	13	
	Whelk	1	12	
	Ramshorn snail	1	1	
685	Cockle	2	3	2 complete linked valves, both holed
709	Mussel	8	10	
773	Cockle	2	3	1 holed

774	Cockle	1	1	
846	Oyster	2	18	1 cut?
847	Mussel	1	2	

With one exception the shells are from marine molluscs and probably constitute food waste. The single exception is a ramshorn snail, probable *Planorbis corneus* or maybe *Planorbis planorbis*. This is a freshwater species that lives in hard water rivers, lakes, ponds and streams (McMillan 1973, 110).

One of the oyster shells has a sub-rectangular panel excised from it, and a couple of other may have been cut. Additionally, several of the cockle shells are holed near the beak (the rear, where the valves connect). The reasons for these modifications are not known.

### Condition

All the material is in good condition and presents no long-term storage problems. Archive storage of the collection is by material class.

### Documentation

There have been numerous previous archaeological investigations in Old Leake, including at the site and nearby, that are the subjects of reports. Details of archaeological sites and discoveries in the area are maintained in the files of the Boston Planning Archaeologist and the Lincolnshire County Council Sites and Monuments Record.

### Potential

Although a large collection of artefacts, much of the material is fairly mundane in nature and, consequently, is of limited local potential and significance. However, some of the pieces provided dating and functional evidence.

The lack of any material earlier than the Late Saxon period is informative and suggests that archaeological deposits dating from prior to this time are absent from the area, or were not revealed by the investigation, or were of a nature that did not involve artefact deposition.

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Table 2, Sieve collected bone condition, by phase

Condition	Phase						Overall Total
	2	3	4	6	7	9	
2	25%		38%	14%	13%		15%
3	75%	100%	62%	86%	76%	100%	77%
4					11%		8%
Total	100%	100%	100%	100%	100%	100%	100%

#### *Butchery*

A total of 137 fragments of bone displayed evidence of butchery within the assemblage. The observed butchery marks were consistent with jointing of the carcass and meat removal. Approximately 50% of the butchered remains were from cattle. This may be a reflection of the assemblage make-up where the cattle are the most abundant species. In addition the robust nature of cattle remains may require more force during the butchery process and therefore more likely to result in observable butchery marks.

#### *Bone/ Horn working*

Two fragments of sheep horncore recovered from phase 7 had been chopped through for horn removal, a process undertaken before the horn is worked. A sheep/goat scapula recovered from phase 2 pit [1109], had been trimmed along the caudal and cranial edge of the blade and the spinous process removed. A series of well spaced holes had been drilled into the flat of the blade, forming a possible scoop/ strainer (Appendix 6).

#### *Burning*

A total of 50 fragments of burnt bone were recovered from the hand collected assemblage. A further 117 fragments were recovered from the environmental bulk samples. The burnt remains were mainly recovered from pits and beam slots, resulting from cooking and hearth waste.

#### *Gnawing*

A total of 68 fragments of bone from the hand collected assemblage displayed evidence of gnawing. A further 3 fragments from the sieved assemblage also displayed gnaw marks. Where possible to establish, the gnawing was carnivore in origin, suggesting the remains were left open to scavengers as part of or during the disposal process. A single fish vertebra recovered from the sieved assemblage from phase 7, showed evidence of crushing as if chewed. This suggests ccess may have been present within the deposit.

#### *Species Representation*

Table 3 and 4 below summarise the identified taxa for the hand collected and the sieved assemblages by the phases of activity at Church Road, Old Leake.

Dog remains were the most abundant species within the hand collected assemblage, followed by cattle then sheep/goat (only four fragments were positively identifiable as sheep), pig and equid. Small numbers of domesticated birds such as domestic fowl, goose and pigeon/dove were also identified within the assemblage. The sieved assemblage yielded a further small assemblage of micro species, such as fish, frog/toad and rodent remains.

The minimum numbers of individuals (MNI) were calculated for the assemblage to remove any bias caused by the presence of partial or complete skeletons within the assemblage.

The abundance of the remains within tables 3 & 4 highlight phases 4, 6, 7 and 9 as the main periods of activity within the assemblage.

Table 3, Hand-collected Bone Identified to Taxa, by Phase

Taxon	Phase								Total
	1	2	3	4	6	7	8	9	
<b>Equid (Horse Family)</b>	6	1	1	1		6		10	25
<b>Cattle</b>	3	7	15	25	59	115		32	256
<b>Sheep/Goat</b>		3	7	17	28	58		11	124
<b>Sheep</b>						3		1	4
<b>Pig</b>		1	3	6	11	37		9	67
<b>Dog</b>		62*		1	1	25*		207*	296
<b>Domestic Fowl (Gallus sp.)</b>					3	7	1	2	13
<b>Goose (Anser sp.)</b>		2			1				3
<b>Columba Sp. (Pigeon Family)</b>					1				1
<b>Goose Size</b>					1	4			5
<b>Bird</b>		1		1	5			1	8
<b>Fish</b>					1				1
<b>Large Mammal</b>		3	7	18	45	107	1	37	218
<b>Medium Mammal</b>		4	2	28	62	56	1	15	168
<b>Unidentified</b>		1	2	8	25	48		6	90
<b>Total</b>	9	85	37	105	243	466	3	331	1279

\*Partial/complete articulated skeleton

Table 4, Sieve Collected Bone Identified to Taxa, By Phase

Taxon	Phase						Total
	2	3	4	6	7	9	
<b>Cattle</b>					9		9
<b>Sheep/Goat</b>				1	3		4
<b>Pig</b>				2	5		7
<b>Dog</b>					2		2
<b>Bird</b>	1				4		5
<b>Frog/Toad</b>	1				3		4
<b>Rodent</b>					2		2
<b>Herring</b>					1		1
<b>Fish</b>	1			1	14		16
<b>Large Mammal</b>	3	1		2	39	1	46
<b>Medium Mammal</b>	6		3	6	54		69
<b>Small Mammal</b>					1		1
<b>Micro Mammal</b>						1	1
<b>Unidentified</b>	4	4	10	9	92	6	125
<b>Total</b>	16	5	13	21	229	8	292

Table 5, Minimum Number of Individuals

Taxon	Phase						
	1	2	3	4	6	7	9
<b>Equid (Horse Family)</b>	1	1	1	1	0	1	2
<b>Cattle</b>	1	1	2	2	4	6	3
<b>Sheep/Goat</b>	1	1	1	2	2	5	2
<b>Pig</b>	0	1	1	1	1	5	2
<b>Dog</b>	0	1	0	1	1	2	2

Table 5 lists the MNI for the assemblage by phase. As was suggested in the general abundances of the main domestic species, cattle were continually maintained as the predominant species of the main domesticates, followed by sheep/goat and pig; with equid being present in small numbers throughout.

The only deviation from this pattern is during Phase 7, where there is a perceivable increase in the number of pigs represented, equal with the number of sheep/goat.

The number of individual dogs represented within the assemblage is greatly reduced from what was observed in the frequency tables (Tables 3 & 4). This is due to the abundance of the identified remains being skewed by the presence of partial/ complete dog burials within the assemblage.

#### *Equid*

Equid remains are present as isolated fragments or small numbers throughout every phase of activity, except phase 6. Several fragments of equid remains, possibly from a single individual, were recovered from the natural alluvial deposits (1001). Measurements of these bones suggest a pony sized animal approximately 1.40m to the shoulder. Other measurable equid bones provide similar withers heights. A metacarpal from ditch re-cut [1020] phase 4 was from an animal 1.35m to the shoulder and a metacarpal and a radius from ditch [1204] were from an animal 1.42m high.

The majority of the remains identified were from skeletally mature animals. A single fragment of tibia from ditch [1082] phase 3, was from an animal aged less than 20 months.

A fragment of metatarsal recovered from pit [1057] phase 7 displayed a possible chop mark on the distal shaft. Equids (Horse/donkey) would have been present on site as working animals used for traction and riding. Consumption of horse flesh was forbidden within the Christian church during this period (Grant 1988). However the processing of the animal for skins, hooves and meat for dogs was a much more common process continuing well into the post-medieval period (Wilson & Edwards 1993, Thomas & Locock 2000).

#### *Cattle*

Cattle are the most abundant of the main domestic species through all phases of the assemblage. The tooth wear and fusion evidence suggests a vague age at death pattern; however, this is only based upon a small assemblage. The cattle remains from phases 3 and 4 are predominantly older individuals, suggesting being retained to an old age for milk production and traction, rather than meat production. In the assemblages for phases 6 and 7 the cattle remains have a much higher emphasis on younger individuals, especially within phase 7. This increase in emphasis of younger animals may suggest a more targeted husbandry practice based on dairy and meat production. Young meat is more tender and considered better for eating; in addition the slaughter of calves reduces the competition with humans for the produced milk.

#### *Sheep/Goat*

Sheep/goat remains were the next most abundant species identified within most of the phases of the assemblage. Four fragments were positively identified as sheep; no evidence of goat has been identified. The tooth wear and fusion age data suggests that the majority of the sheep/goat remains were of older animals, 3-5 years and 8 years +, suggesting the animals were being retained to an older age for the production of wool and perhaps milk. Within phases 6 & 7 examples of several younger animals, 10-20months and 20-34 months, are present within the assemblage. This may suggest that husbandry practices were moving towards producing meat animals rather than total emphasis on wool production.

#### *Pig*

Pigs are present within the assemblage in much smaller numbers than the other main domestic species, although maintain a continual presence within all of the main phases of activity. Within phase 7, the MNI suggests that the number of individual pigs present within the assemblage was raised, reaching a level on par with the number of Sheep/ Goat. This may suggest the increase of the maintenance and consumption of pigs at this time. The tooth wear scores from the available 7 mandibles suggest all of the animals from the assemblage were of a young age, juvenile, immature and sub-adult. The fusion data evidence from the assemblage predominantly supports the tooth wear evidence, although isolated cases of skeletally mature (adult) individuals are present within the phases 4 and 7.

Pigs provide little in the form of secondary products and therefore are raised solely for meat production. Pigs were often kept in small numbers; many households in both rural and urban contexts would have kept a pig. The animal breeds regularly and yield large litters providing a ready meat supply and would have been slaughtered young, keeping only one or two adults for breeding. As pigs would have consumed household waste and fattened on woodland and pasture foraging they would therefore have been an efficient method of producing meat. However, the number of animals where

probably kept low to minimise the competition for food with the more productive domestic species (Grant 1988).

#### *Dog*

Dog remains are very well represented within the assemblage, identified in phases 2, 4, 6, 7 and 9. Five partial/complete dog burials were recovered during the excavation, in addition to several isolated bones.

#### *Dog Burial Pit [1125] Phase 2*

The burial from pit [1125] was of a male skeletally mature animal, measuring c. 0.64 -0.66m to the shoulder. The skeleton was heavily disturbed; the majority of the right side remained *in situ*, much of the left hand side was absent. The left femur displayed new bone growth on the muscle insertion point; this is possibly the ossification of the ligament due to repetitive strain or trauma.

#### *Dog Burial Pit [1189] Phase 7*

A relatively complete skeletally mature animal, measuring 0.30m to the shoulder was recovered from pit [1189]. The right tibia had a slight curvature to the shaft in the lateral and posterior direction. A slight bone callous on the posterior shaft was noted. This may have possibly been a well healed greenstick fracture. As the trauma has been able to heal well with a minimal amount of distortion to the bone, this would suggest the animal was looked after, possibly as a pet or working animal rather than left as a scavenger.

#### *Dog Remains Ditch [1023] Phase 9*

The remains recovered from Ditch [1023] were disarticulated. The bones may have originated from a single carcass. All of the bones were skeletally mature. Measurements of the radius suggest an animal 0.24m high to the shoulder. The left tibia shows a slight curvature on the transverse plane of the shaft. This may be an indication of juvenile rickets or natural variation due to breed. The articular surface of the right metapodial displayed evidence of polishing and extension of the anterior joint surface, possibly an expression of osteoarthritis within the joint.

#### *Dog Burial Ditch [1165] Phase 9*

A complete skeletally mature, male dog skeleton was recovered from ditch/gully [1165]. Measurements of the long bones suggest an animal 0.40m high to the shoulder. The skull of the animal has a short snout and a high rounded cranium, similar in characteristics to those seen in some of the terrier breeds. The left astragalus shows evidence of eburnation and grooving on the medial condyles, with extension of the articular surface of the condyle. The symptoms indicate possible osteoarthritis within the joint. The right calcaneus has extended creating a false articulation on the posterior surface. A right first phalanx had a displaced distal articulation, with new bone growth on the lateral side, possibly resultant of a misaligned healed fracture.

#### *Dog Burial Ditch [1206] Phase 9*

A partially complete skeletally mature skeleton was recovered from ditch [1206]. Measurements of the long bones suggest the animal was between 0.18-0.26m high to the shoulder. A rib from the skeleton was distorted at the ventral end, possibly a callous of bone over a well healed break. Osteophytic lipping was noted on the articular surfaces of the left scapula, the left proximal tibia and the distal end of the left femur. The right humerus had an osteophytic spur at the muscle insertion point and lipping of distal articulation. Lipping is associated with constant strain on the joint, possibly as an early onset of osteoarthritis.

Dogs would have been present on site as working animal or pets. The animals represented within the assemblage vary in size, from a large 0.66m, to a small terrier size 0.18m. The well healed breaks identified within two of the skeletons suggest a reasonable amount of care was attributed to the animals, either as loved pets or valuable working animals. Dogs were often used for hunting, herding and guarding.

The disposal of the animal carcasses on site however is a little more haphazard, three of the burials were placed in ditches, which is not necessarily how we would expect someone to dispose of a beloved pet. However, if a valuable animal is worth providing with medical treatment to maintain its value, it may be unceremoniously disposed of once it has died as the value of the animal is lost.

#### *Bird*

A small assemblage of domestic bird species was identified within the assemblage. The identified remains were predominantly from domestic fowl, recovered from phases 3, 7, 1 & 2. Three fragments

identified as goose were recovered, two from the undated pits [1060] and [1109] and a carpo-metacarpus from pit [1033] phase 6. A single radius from the *Columba sp.* (pigeon family) was recovered from pit [1033] phase 6. Domesticated birds were maintained as an easy and cheap source of meat, eggs and feathers.

### *Fish*

One fragment, of a large fish rib, possibly of the cod family was recovered from the hand collected assemblage from pit [1033] phase 6. A further 17 fragments of fish bone were recovered from the sieved collected assemblage. A single vertebra recorded as herring was identified from pit [1037] phase 7. A vertebra, unidentified to species, recovered from pit [1035] displayed evidence of crushing possibly from being chewed. This may indicate some cess material may have been present. Two fin ray fragments from pit [1035] phase 7 had been partially charred black, possibly through cooking or disposal into a hearth. The remaining fragments were unidentifiable ray and rib fragments.

The number of fish remains recovered from the assemblage is relatively low. Due to the constraints of the Christian church, the consumption of fish increases dramatically within the medieval period, as fish did not count in the abstinence of eating meat. Although fish are present within the assemblage the numbers are too low to suggest large scale consumption. The dearth of fish bone may just be due to collection bias. As the remains are small and often only collected in environmental bulk samples the targeted sampling may have missed any larger fish bone assemblages that may have been present. Alternatively, the main bulk of fish may have been consumed and disposed of elsewhere.

Shellfish remains have been identified within the assemblage for phases 3, 4, 6, 7, 8 & 9, although mainly within phases 4, 6 & 7 (See Appendix \*). Cockles and mussels are present within most of the phases. Oyster shell is limited to the assemblages from phases 4, 6, 7 & 9.

Marine mollusc shells consisting of mussel, cockle, whelk and oyster are fairly typical of medieval assemblages as, again like fish, marine molluscs did not count as meat on abstinence days. Shellfish were a cheap, plentiful food and transported packed in barrels much more easily than fish (Grant 1988).

### *Micro Species*

Micro species is a generalised term for small fauna, often commensal species such as mice, voles and frogs/toads. A very small number of these taxa were recovered from the assemblage, providing little information on the possible local environment. This again could be due to collection bias due to the small size and targeted sampling strategies. Alternatively, the lack of these species may be due to rubbish being buried directly after deposition, not allowing access for small scavengers.

### ***Skeletal Representation***

All skeletal elements of the main domestic species were identified within the assemblage. A very slight bias towards bones usually disposed of during the butchery process was noted, especially within the cattle remains. There was no variation within the pattern noted throughout the phases of activity. The skeletal element representation suggests the entire animal carcass was originally present on site. The animal would have been butchered, utilised and disposed of on site. The slight predominance of bones associated with butchery discard may suggest joints of meat were removed from site for consumption or trade elsewhere.

### **Discussion**

The assemblage recovered from the excavation at Church Road, Old Leake is quite cohesive, deposited over consistent use of the site from the late Saxon period till the post-medieval. The assemblage appears to represent domestic refuse incorporating food and butchery discard. Evidence for on site settlement is apparent within the late Saxon period, through the presence of beam slots and associated domestic refuse. As the site progresses through the medieval period direct evidence of settlement on site is not as readily apparent. By the medieval phases the site is dominated by a number of pits containing domestic refuse. This may suggest that the area was being used primarily for refuse deposition at this point, possibly being on the periphery of further activity. The large number of dog burials recovered could be used to support this theory, as disposal of such animals are likely to occur more external to the settlement; especially taking into account the unceremonious disposal of once useful animals. Similar treatment of expired working animal was noted at the site at Parsonage Farm medieval moated manor in Kent (Kitch, *forthcoming*).

There is a dearth of fish and bird bone within the assemblage. This could be a result of targeted sampling, and collection bias due to the general small size of the remains. Or this could be used to suggest that the main consumption and disposal of these remains were being undertaken elsewhere,

possibly more within the immediate proximity of settlement. Further to this, as previously mentioned, there is a slight predominance within the assemblage in skeletal elements commonly associated with butchery discard. This could suggest that some joints were being consumed and disposed of elsewhere, either as a result of trade or removal from an area specified for butchery i.e. the slaughter house.

Analysis of the assemblage has provided further insight into the underlying economies supplying the dietary requirements of the site. Cattle are the most prominent species within the assemblage and therefore suggests the settlement is supplied from a predominantly cattle based economy. The cattle remains in the earlier phases of the site are biased towards older individuals, whereas within the later phases younger animals are becoming more apparent. Cattle were being retained to an older age to maximise on the production of milk and for traction purposes. The increase of younger animals into the assemblage can again be seen as evidence for dairy farming and for the production of a more meat based stock, younger meat being more tender and palatable. Within the study by Sykes (2006) this pattern is noted in a number of assemblages and attributes the change to the advent of the plough horse. With less cattle being required for traction, further emphasis could be attributed to the dairy and meat economies, freeing up more calves for the slaughter.

The sheep/goat remains from the assemblage shows a majority of older adult animals, suggesting the provided meat is from wool stocks. Although the assemblage had been recovered from periods associated with the height of the wool trade the conceived consumption of mutton is relatively low. The general abundance of sheep/goat within the assemblage seem to maintain a uniform presence even during the times of known economic boom for the wool trade in the late 12<sup>th</sup> – mid 14<sup>th</sup> centuries and the murrain of the sheep flocks of the 14<sup>th</sup> and 15<sup>th</sup> centuries (Sykes 2006). This may suggest that sheep/goat base economies were not being undertaken in great quantities within this area.

Pigs retain a continual presence within the assemblage; maintenance of pigs were probably based more on an individual household basis rather than specifically ran economies.

Old Leake was positioned for ideal grazing, flanked by fen on one side and marshland on the other. Platts (1985) suggests that marshland was predominantly utilised for cattle grazing and sheep/goat were conspicuously absent from fen edge estates. It is possible that the economies seen at Old Leake were following this generalised pattern.



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Plate 1, Sheep/goat scapula, worked bone scoop/strainer.

Animal Bone Archive OLV 05

Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes	
569	0	Equid	Radius	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	Y	Y	N	Y	N	X		3	1	468	Possible carnivore gnawing on the proximal ulna
569	0	Equid	Metacarpal	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	N	Y	N	X		2	1	250	
569	0	Equid	Phalanx (II)	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	N	N	N	X		1	1	38	
569	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	37	Chopped through the blade, cut on the visceral side of the blade
569	0	Equid	Innominate	R	Y	Y	Y	Y	Y	Y	Y	Y	F	X	N	N	N	N	Y	N	N	N	X		3	1	440	
569	0	Large Mammal	Thoracic	B	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	E		3	1	47	Spinous process
569	0	Equid	Femur	R	Y	N	Y	Y	Y	Y	N	N	F	X	N	N	N	Y	N	N	N	N	X		3	1	453	Possible carnivore gnawing on the proximal and distal ends
569	0	Cattle	Tooth	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	17	Lower M1, broken
541	0	Dog	Tibia	L	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X		2	1	55	
541	0	Dog	Humerus	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X		2	1	62	
541	0	Dog	Femur	L	Y	Y	Y	Y	Y	Y	Y	Y	F	F	Y	N	N	N	Y	Y	Y	N	X		3	1	61	new bone growth on the insertion point. Ossification of the ligament
541	0	Dog	Tibia	R	N	N	Y	Y	Y	Y	Y	Y	X	F	N	N	N	N	Y	Y	Y	N	X		3	1	41	
541	0	Dog	Femur	R	Y	Y	Y	Y	N	N	N	N	F	X	N	N	N	N	N	Y	Y	N	X		3	1	27	
541	0	Dog	Radius	R	N	N	N	N	Y	Y	Y	Y	X	F	N	N	N	N	Y	Y	Y	N	X		2	1	17	
541	0	Dog	Os Penis	B	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	Y	N	N	X		2	1	2	Complete, Male

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes	
541	0	Dog	Metacarpal (II)	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X		2	1	5	
541	0	Dog	Metacarpal (IV)	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X		2	1	5	
541	0	Dog	Metacarpal (V)	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X		2	1	5	
541	0	Dog	Ulna	R	N	N	N	N	Y	Y	Y	Y	X	F	N	N	N	N	N	Y	N	N	X		2	1	3	
541	0	Dog	Scapula	R	N	N	N	N	N	N	Y	N	X	X	N	N	N	N	N	Y	N	N	X		2	1	7	
541	0	Dog	Phalanx (I)	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X		2	1	1	
541	0	Dog	Phalanx (I)	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X		2	1	1	
541	0	Dog	Phalanx (I)	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X		2	1	2	
541	0	Dog	Phalanx (I)	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X		2	1	2	
541	0	Dog	Innominate	R	Y	Y	N	N	N	N	N	N	V	X	N	N	N	N	N	Y	N	N	X		2	1	22	Iliac crest, visible fusion line
541	0	Dog	Innominate	L	Y	Y	N	N	N	N	N	N	V	X	N	N	N	N	N	Y	N	N	X		2	1	18	Iliac crest, visible fusion line
541	0	Dog	Thoracic	B	N	N	N	N	N	N	N	N	F	F	N	N	N	N	N	Y	N	N	X		2	10	86	T4-T13
541	0	Dog	Thoracic	B	N	N	N	N	N	N	N	N	F	F	N	N	N	N	N	Y	N	N	X		2	7	114	L1-7
541	0	Dog	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	Y	N	N	X		3	8	6	
541	0	Dog	Rib	R	Y	Y	Y	Y	Y	N	N	N	F	X	N	N	N	N	N	Y	N	N	X		3	11	40	
541	0	Dog	Rib	L	Y	Y	Y	Y	Y	N	N	N	F	X	N	N	N	N	N	Y	N	N	X		3	5	18	
541	0	Dog	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	Y	N	N	X		3	3	4	
491	0	Dog	Skull	B	N	N	N	N	N	N	N	N	F	X	N	N	N	N	Y	Y	N	N	X		2	1	59	Relatively complete, some of left side missing, high forehead, small breed terrier
491	0	Dog	Sacrum	B	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	N	N	X		2	1	6	1st & 4th Sacral vertebra fusing
491	0	Dog	Caudal	B	N	N	N	N	N	N	N	N	F	F	N	N	N	N	N	Y	N	N	X		2	4	2	
491	0	Dog	Lumbar	B	N	N	N	N	N	N	N	N	F	F	N	N	N	N	N	Y	N	N	X		2	7	24	L1-L7
491	0	Dog	Thoracic	B	N	N	N	N	N	N	N	N	F	F	N	N	N	N	N	Y	N	N	X		2	12	22	T1-12

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes
491	0	Dog	Cervical	B	N	N	N	N	N	N	N	N	F	F	N	N	N	N	N	Y	N	N	X	2	5	13	C3-C7
491	0	Dog	Axis	B	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X	2	1	4	
491	0	Dog	Atlas	L	N	Y	N	N	N	Y	N	Y	F	X	N	N	N	N	N	Y	N	N	X	2	1	1	
491	0	Dog	Innominate	L	Y	Y	Y	Y	Y	N	Y	Y	U	F	N	N	N	N	Y	Y	N	N	X	2	1	10	Iliac crest beginning to fuse
491	0	Dog	Innominate	R	Y	Y	Y	Y	Y	Y	Y	Y	V	F	N	N	N	N	Y	Y	N	N	X	2	1	10	Iliac crest beginning to fuse
491	0	Dog	Humerus	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X	2	1	13	
491	0	Dog	Humerus	L	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X	2	1	13	
491	0	Dog	Femur	L	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X	2	1	14	
491	0	Dog	Femur	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X	2	1	13	
491	0	Dog	Tibia	L	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X	2	1	12	
491	0	Dog	Fibula	L	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X	2	1	1	
491	0	Dog	Tibia	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X	2	1	12	
491	0	Dog	Radius	L	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X	2	1	7	
491	0	Dog	Radius	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X	2	1	7	
491	0	Dog	Mandible	R	Y	Y	Y	Y	Y	Y	Y	Y	X	X	N	N	N	N	N	Y	N	N	X	2	1	17	
491	0	Dog	Mandible	L	Y	Y	Y	Y	Y	Y	N	Y	X	X	N	N	N	N	Y	Y	N	N	X	2	1	15	
491	0	Dog	Scapula	R	N	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X	2	1	8	
491	0	Dog	Scapula	L	Y	Y	Y	Y	Y	Y	Y	Y	F	X	N	N	N	N	Y	Y	N	N	X	2	1	7	
491	0	Dog	Os Penis	B	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	Y	N	N	X	2	1	2	Male
491	0	Dog	Ulna	R	Y	Y	Y	Y	Y	Y	N	N	F	X	N	N	N	N	N	Y	Y	N	X	2	1	4	
491	0	Dog	Ulna	L	Y	Y	Y	Y	Y	Y	N	N	F	X	N	N	N	N	N	Y	Y	N	X	2	1	5	
491	0	Dog	Astragalus	L	Y	Y	Y	Y	Y	Y	Y	Y	X	X	Y	N	N	N	N	Y	Y	N	X	2	1	1	Eburnation and grooving on the medial condyle, extension of the articular surface of the condyle.
491	0	Dog	Astragalus	R	Y	Y	Y	Y	Y	Y	Y	Y	X	X	N	N	N	N	N	Y	Y	N	X	2	1	1	

Animal Bone Archive OLV 05

Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes
491	0	Dog	Calcaneus	R	Y	Y	Y	Y	Y	Y	Y	Y	X	X	Y	N	N	N	N	Y	Y	N	X	2	1	2	extension of the button (Z2) creating a N articulation on the posterior surface
491	0	Dog	Calcaneus	L	Y	Y	Y	Y	Y	Y	Y	Y	X	X	N	N	N	N	N	Y	Y	N	X	2	1	2	
491	0	Dog	Carpal/Tarsal I	L	Y	Y	Y	Y	Y	Y	Y	Y	X	X	N	N	N	N	N	Y	N	N	X	2	1	0	Scapho-luna
491	0	Dog	Phalanx (I)	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X	2	1	0	
491	0	Dog	Phalanx (I)	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X	2	1	0	
491	0	Dog	Phalanx (I)	L	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X	2	1	0	
491	0	Dog	Phalanx (I)	L	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X	2	1	0	
491	0	Dog	Phalanx (I)	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	Y	N	N	N	N	Y	N	N	X	2	1	0	Displaced distal articulation, with new bone growth on the lateral side, misaligned fracture?
491	0	Dog	Metacarpal (II)	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X	2	1	1	
491	0	Dog	Metacarpal (II)	L	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X	2	1	1	
491	0	Dog	Metatarsal (III)	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X	2	1	1	
491	0	Dog	Metatarsal (III)	L	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X	2	1	1	
491	0	Dog	Metacarpal (IV)	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X	2	1	1	
491	0	Dog	Metacarpal (IV)	L	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X	2	1	1	
491	0	Dog	Metatarsal (II)	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X	2	1	1	
491	0	Dog	Metatarsal (II)	L	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X	2	1	1	

Animal Bone Archive OLV 05

Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes	
491	0	Dog	Metacarpal (III)	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X		2	1	1	
491	0	Dog	Metacarpal (III)	L	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X		2	1	1	
491	0	Dog	Metatarsal (IV)	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X		2	1	1	
491	0	Dog	Metatarsal (IV)	L	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X		2	1	1	
491	0	Dog	Metacarpal (V)	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X		2	1	1	
491	0	Dog	Metacarpal (V)	L	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X		2	1	1	
491	0	Dog	Metapodial	X	N	N	N	N	Y	Y	Y	Y	X	F	N	N	N	N	N	Y	N	N	X		2	1	0	
491	0	Dog	Fibula	R	N	N	N	N	Y	Y	Y	Y	X	F	N	N	N	N	N	Y	N	N	X		2	1	0	
491	0	Dog	Metatarsal (V)	R	Y	Y	Y	Y	Y	Y	Y	Y	X	F	N	N	N	N	N	Y	Y	N	X		2	1	1	
491	0	Dog	Ulna	X	N	N	N	N	N	N	Y	Y	X	F	N	N	N	N	N	Y	N	N	X		2	1	0	
491	0	Dog	Ulna	R	N	N	N	N	Y	Y	Y	Y	X	F	N	N	N	N	N	Y	N	N	X		2	1	1	
491	0	Dog	Rib	R	N	N	N	N	N	N	N	N	F	X	N	N	N	N	N	Y	N	N	X		2	11	11	
491	0	Dog	Rib	L	N	N	N	N	N	N	N	N	F	X	N	N	N	N	N	Y	N	N	X		2	6	6	
491	0	Dog	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	Y	N	N	X		2	26	12	
491	0	Dog	Carpal/Tarsal	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	Y	N	N	X		2	1	0	
491	0	Dog	Sternum	B	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	Y	N	N	X		2	1	0	
491	0	Dog	Costal Cartilage	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	Y	N	N	X		2	6	2	
491	0	Dog	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	Y	N	N	X		2	5	0	
542	0	Cattle	Femur	L	N	N	Y	Y	Y	Y	N	N	U	X	N	Y	N	N	Y	N	N	N	X		3	1	187	cut on the anterior shaft
542	0	Large Mammal	Thoracic	B	N	N	N	N	N	N	N	N	F	F	N	N	N	Y	N	N	N	N	X		3	1	41	Possible carnivore gnawing on the centrum

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes
542	0	Sheep/Goat	Metatarsal	L	Y	Y	Y	Y	Y	Y	N	N	F	X	Y	N	N	N	N	N	Y	N	X	3	1	19	well remodelled new bone growth on the lateral anterior shaft, haematoma or ossified ligament
542	0	Cattle	Tibia	L	N	N	Y	Y	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	X	3	1	115	Chopped through the midshaft and diagonally through the proximal art
542	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	6	
542	0	Sheep/Goat	Tooth	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	Y	X	2	1	6	Lower M2= d
571	0	Cattle	Metatarsal	L	Y	Y	Y	Y	Y	Y	N	N	F	U	N	N	N	N	N	N	Y	N	X	3	1	50	
571	0	Cattle	Radius	R	N	N	N	N	Y	Y	N	N	X	U	N	N	N	N	N	N	N	N	X	3	1	19	
571	0	Pig	Tibia	R	N	N	Y	Y	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	X	4	1	21	Chopped midshaft
571	0	Cattle	Radius	R	N	N	Y	Y	Y	Y	N	N	X	X	N	N	N	N	Y	N	N	N	X	3	1	32	
559	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	9	
559	0	Cattle	Tooth	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	11	Upper PM
559	0	Cattle	Femur	L	N	N	N	N	Y	Y	N	N	X	X	N	Y	N	N	N	N	N	N	X	2	1	78	Chopped lower midshaft
527	0	Pig	Mandible	L	Y	Y	Y	N	N	N	N	N	X	X	N	N	N	N	Y	N	N	Y	X	3	1	39	Male
527	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	X	3	1	24	Cut and snapped through the lateral side of the blade
527	0	Large Mammal	Vertebra	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	24	



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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes	
527	0	Cattle	Scapula	L	N	N	N	N	Y	N	N	N	X	X	N	Y	N	N	N	N	N	N	X		3	1	54	Chopped diagonally through the blade and along spinous process
527	0	Cattle	Radius	L	Y	N	Y	N	N	N	N	N	F	X	N	Y	N	N	N	N	N	N	X		2	1	43	Chopped through the midshaft
527	0	Goose Size	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	2	
527	0	Fowl	Tarso-metatarsus	R	N	N	Y	Y	Y	Y	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	3	Fused spur, probable male
527	0	Cattle	Humerus	R	N	N	N	N	N	N	Y	N	X	F	N	Y	N	N	N	N	N	N	X		3	1	58	Chopped through the condyles and shaft
527	0	Mammal	Skull	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		4	1	14	
527	0	Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	1	
527	0	Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	1	
527	0	Pig	Femur	R	N	N	N	N	N	Y	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	4	
527	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	3	
527	0	Equid	Metatarsal	L	Y	Y	Y	Y	Y	Y	N	N	F	X	N	Y	N	N	N	N	N	Y	X		2	1	139	Possible chop marks on the anterior shaft.
527	0	Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	10	
527	0	Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	Y	N	N	N	N	X		3	1	13	Possible carnivore gnawing on the blade
527	0	Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	X		3	1	28	Chopped and snapped through the medial side of the blade

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes
527	0	Cattle	Metacarpal	R	Y	Y	Y	Y	N	N	N	N	F	X	N	Y	N	N	N	N	Y	N	X	3	1	90	Chopped through the proximal shaft
527	0	Cattle	Mandible	L	N	N	N	N	N	Y	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	23	
527	0	Cattle	Radius	L	N	Y	N	Y	N	N	N	N	F	X	N	Y	N	N	N	N	N	N	X	2	1	34	Chopped through proximal mid-shaft
527	0	Cattle	Humerus	R	N	N	N	Y	Y	Y	Y	N	X	F	N	Y	N	N	N	N	N	N	X	3	1	132	Chopped through the distal condyles
527	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	5	
527	0	Fowl	Tibio-tarsus	R	N	N	N	N	Y	Y	Y	Y	X	F	N	N	N	N	N	N	N	N	X	3	1	3	
528	0	Goose Size	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	2	3	
528	0	Sheep/Goat	Metatarsal	L	Y	Y	Y	Y	Y	Y	N	N	F	X	N	N	N	N	N	N	Y	N	X	3	1	19	
528	0	Sheep/Goat	Metacarpal	R	N	N	Y	Y	Y	Y	N	N	F	U	N	N	N	Y	N	N	N	N	X	3	1	20	Possible carnivore gnawing on the proximal end
528	0	Mammal	Skull	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	13	
528	0	Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	11	
528	0	Cattle	Radius	R	N	Y	N	N	N	N	N	N	F	X	N	Y	N	N	N	N	N	N	X	2	1	20	Chopped through the proximal shaft
528	0	Cattle	Metacarpal	R	Y	Y	N	N	N	N	N	N	F	X	N	N	N	Y	N	N	N	N	X	3	1	35	possible carnivore gnawing on the proximal end
528	0	Cattle	Metapodial	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	12	Midshaft fragment
528	0	Sheep/Goat	Ulna	L	N	N	N	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	0	
528	0	Cattle	Innominate	L	N	N	Y	Y	Y	N	Y	N	F	X	N	Y	N	N	N	N	N	N	X	3	1	113	Chopped through the ilium

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes
528	0	Cattle	Scapula	R	N	N	N	N	N	Y	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	39	
560	0	Cattle	Scapula	L	N	N	Y	Y	N	N	N	N	X	X	N	N	N	N	Y	N	N	N	X	3	1	39	
560	0	Sheep/Goat	Tibia	R	N	N	N	N	Y	Y	N	N	X	X	N	Y	N	N	N	N	N	N	X	3	1	22	Two cuts on the distal anterior surface
560	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	6	
560	0	Cattle	Tibia	L	N	N	N	N	Y	Y	Y	Y	X	F	N	N	N	Y	N	N	Y	N	X	3	1	140	possible carnivore gnawing on the distal end
560	0	Sheep/Goat	Mandible	L	N	Y	Y	Y	Y	N	N	N	X	X	N	N	N	N	N	N	N	Y	X	3	1	37	
560	0	Sheep/Goat	Tooth	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	4	Broken lower M2
563	0	Cattle	Femur	L	N	N	N	N	Y	Y	N	N	X	X	N	N	N	Y	N	N	N	N	X	2	1	75	possible carnivore gnawing on the distal end
525	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	Y	N	N	N	X	2	1	7	
525	0	Cattle	Innominate	L	N	N	N	N	N	N	Y	N	X	X	N	Y	N	N	N	N	N	N	X	3	1	35	Chopped on the ischium
525	0	Cattle	Innominate	R	Y	Y	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	38	
525	0	Medium Mammal	Mandible	L	N	N	N	N	N	Y	N	N	X	X	N	N	N	N	N	N	N	N	E	2	1	7	
525	0	Cattle	Metapodial	X	N	N	Y	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	11	
512	0	Sheep/Goat	Tooth	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	0	Lower insicor
530	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	2	
530	0	Cattle	Tooth	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	8	Upper PM
522	0	Medium Mammal	Innominate	R	N	N	N	N	N	N	Y	N	X	X	N	N	N	N	N	N	N	N	X	2	1	1	
528	0	Cattle	Phalanx (II)	L	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	N	Y	N	X	3	1	18	
528	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	2	25	
528	0	Sheep/Goat	Innominate	R	N	N	N	N	Y	Y	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	2	
528	0	Cattle	Radius	L	N	N	N	N	N	N	Y	N	X	U	N	N	N	N	N	N	N	N	X	2	1	22	
528	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	4	1	4	

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes	
528	0	Sheep/Goat	Atlas	X	N	Y	N	N	N	Y	N	Y	X	X	N	N	N	N	N	N	N	N	X		2	1	6	
562	0	Cattle	Metapodial	L	N	N	N	N	Y	Y	Y	Y	X	F	N	N	N	N	N	N	Y	N	X		2	1	78	
562	0	Pig	Metacarpal (IV)	R	Y	Y	Y	Y	Y	Y	N	N	F	U	N	N	N	N	N	N	N	N	X		2	1	1	Infant
561	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	A		2	1	1	
572	0	Pig	Mandible	L	Y	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	20	
501	0	Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	0	
501	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	5	
504	0	Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	22	
504	0	Mammal	Mandible	X	N	N	N	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		4	1	6	
504	0	Sheep/Goat	Metacarpal	L	N	N	Y	Y	Y	Y	N	N	X	X	N	N	N	Y	N	N	N	N	X		3	1	17	carnivore gnawing on the distal end
504	0	Sheep/Goat	Mandible	R	Y	Y	Y	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	Y	X		2	1	14	
502	0	Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	Y	N	N	N	N	X		3	1	34	possible carnivore gnawing on one end
499	0	Cattle	Tooth	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	11	Broken lower molar
709	0	Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	X		3	1	22	Three cuts on the medial surface of the blade
709	0	Cattle	Radius	R	N	Y	N	N	N	N	N	N	F	X	N	N	N	N	N	N	N	N	X		3	1	17	
709	0	Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	5	
709	0	Sheep/Goat	Metacarpal	L	N	N	Y	N	Y	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	8	
709	0	Sheep/Goat	Atlas	B	Y	Y	Y	Y	N	N	Y	Y	X	X	N	N	N	Y	N	N	N	N	X		3	1	12	Carnivore gnawing on the wings.
693	0	Cattle	Axis	B	Y	Y	Y	Y	N	N	Y	Y	F	U	N	N	N	N	N	N	N	N	X		3	1	118	
763	0	Bird	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	3	Juv

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes
739	0	Large Mammal	Cervical	R	N	N	N	N	N	N	N	N	X	U	N	N	N	Y	N	N	N	N	X	3	1	63	Possible carnivore gnawing on the body
739	0	Sheep/Goat	Radius	R	Y	N	Y	Y	Y	Y	N	N	F	X	N	N	N	Y	N	N	N	N	X	3	1	25	Carnivore gnawing on the proximal and distal ends
739	0	Pig	Ulna	L	N	Y	Y	Y	Y	Y	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	24	
739	0	Cattle	Innominate	R	N	N	N	N	Y	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	30	
739	0	Cattle	Innominate	L	N	N	Y	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	39	
750	0	Sheep/Goat	Scapula	L	Y	Y	N	Y	Y	Y	Y	Y	F	X	N	Y	N	N	Y	N	N	N	X	2	1	27	the blade has been trimmed on the caudal and proximal edge. The spinous process has been removed and well spaced holes have been drilled into the blade. There is no evidence of polishing from usewear or thread wear.
750	0	Cattle	Tibia	R	N	N	Y	Y	Y	Y	Y	Y	X	F	N	N	N	N	N	N	Y	N	X	3	1	294	
750	0	Pig	Tooth	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	2	Upper PM
590	0	Dog	Tibia	L	N	N	Y	Y	Y	Y	Y	Y	X	F	Y	N	N	N	N	N	Y	N	X	3	1	12	slight curvature on the transverse plane, maybe a breed variation

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes
590	0	Cattle	Scapula	L	Y	Y	Y	Y	N	N	N	N	F	X	N	Y	N	N	N	N	Y	N	X	3	1	176	trimmed along the spinous process
590	0	Equid	Scapula	R	N	Y	N	Y	N	N	N	N	X	X	N	N	N	Y	N	N	N	N	X	4	1	97	Carnivore gnawing on the proximal end
590	0	Pig	Humerus	L	N	N	Y	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	16	
590	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	15	
590	0	Medium Mammal	Skull-temporal	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	2	
590	0	Cattle	Femur	R	N	N	N	N	N	N	Y	N	X	X	N	Y	N	N	Y	N	N	N	X	2	1	116	Chopped through the articulation
590	0	Medium Mammal	Cervical	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	2	
590	0	Pig	Innominate	L	N	N	N	N	N	N	Y	Y	X	X	N	N	N	N	N	N	N	N	X	2	1	23	
590	0	Cattle	Tooth	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	34	Upper M3
690	0	Cattle	Skull- frontal	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	94	
690	0	Sheep/Goat	Tibia	L	N	N	Y	Y	N	N	N	N	X	X	N	Y	N	Y	N	N	N	N	X	3	1	22	Chopped through the midshaft, carnivore gnawing on the proximal end
690	0	Cattle	Tibia	R	N	N	Y	N	Y	Y	N	N	X	X	N	N	N	N	N	N	N	N	X	4	1	79	
690	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	8	
690	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	X	3	1	12	chopped and cut on shaft
690	0	Cattle	Femur	R	N	N	Y	Y	Y	Y	N	N	X	X	N	N	N	Y	N	N	N	N	X	3	1	211	possible carnivore gnawing on the proximal end
590	0	Pig	Skull	B	N	N	N	N	N	N	N	N	X	X	N	N	N	N	Y	N	N	N	X	3	1	477	

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes
590	0	Equid	Scapula	R	Y	Y	Y	Y	Y	N	N	N	F	X	N	N	N	N	N	N	Y	N	X	2	1	253	
590	0	Cattle	Radius	L	Y	Y	Y	Y	N	N	N	N	F	X	N	Y	N	N	N	N	Y	N	X	3	1	108	Chopped through the mid-shaft
590	0	Large Mammal	Lumbar	L	N	N	N	N	N	N	N	N	U	U	N	Y	N	N	N	N	N	N	X	2	1	35	Chopped through the saggital plane
590	0	Sheep	Metatarsal	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	Y	N	Y	N	X	3	1	13	
590	0	Cattle	Innominate	R	N	N	Y	Y	Y	N	Y	N	F	X	Y	N	N	N	N	N	N	N	X	3	1	92	Polished on the acetabulum
590	0	Large Mammal	Cervical	L	N	N	N	N	N	N	N	N	U	U	N	Y	N	N	N	N	N	N	X	3	1	44	Chopped through the saggital plane
590	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	Y	N	N	N	X	3	4	37	
590	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	Y	N	N	N	N	X	3	1	12	carnivore gnawing on the blade
590	0	Cattle	Ulna	L	N	N	Y	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	35	
590	0	Cattle	Mandible	R	N	N	N	N	N	Y	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	37	
590	0	Sheep/Goat	Tibia	R	N	N	N	N	Y	Y	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	7	
590	0	Sheep/Goat	Tibia	L	N	N	N	N	N	N	Y	Y	X	F	N	N	N	N	N	N	Y	N	X	3	1	6	
590	0	Cattle	Metapodial	X	N	N	N	N	N	N	N	N	X	U	N	N	N	N	N	N	N	N	X	2	1	13	Unfused condyle
590	0	Dog	Radius	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	Y	N	Y	N	X	2	1	19	
590	0	Medium Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	2	4	
590	0	Dog	Phalanx (I)	L	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	N	Y	N	X	2	1	0	
590	0	Dog	Metacarpal (IV)	L	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	N	Y	N	X	2	1	3	
590	0	Dog	Metatarsal (III)	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	Y	N	Y	N	X	2	1	2	

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes	
590	0	Dog	Metapodial	L	N	N	N	N	Y	Y	Y	Y	X	F	Y	N	N	N	N	N	N	N	X		2	1	2	Polished on the distal articulation, new bone growth on the anterior articular surface margin
590	0	Dog	Metapodial	R	N	N	N	N	Y	Y	Y	Y	X	F	N	N	N	N	N	N	N	N	X		2	1	2	
590	0	Sheep/Goat	Ulna	R	N	N	Y	Y	Y	N	N	N	X	X	N	Y	N	N	N	N	N	N	X		3	1	1	Chopped longitudinally
590	0	Large Mammal	Vertebra	B	N	N	N	N	N	N	N	N	X	U	N	N	Y	N	N	N	N	N	X		3	1	3	Burnt white, centrum fragment
590	0	Bird	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	1	
590	0	Large Mammal	Scapula	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	8	32	Blade fragments
590	0	Cattle	Innominate	L	N	N	N	N	N	N	Y	N	X	X	N	Y	N	N	N	N	N	N	X		3	1	53	Chopped diagonally below the acetabulum
590	0	Sheep/Goat	Tooth	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	3	Broken upper molar
590	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		4	4	5	
590	0	Large Mammal	Lumbar	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	7	Articular facet
590	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	5	4	
590	0	Pig	Tooth	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	1	lower PM3
590	0	Sheep/Goat	Radius	X	N	N	N	N	Y	Y	N	N	X	X	N	N	Y	N	N	N	N	N	X		4	1	5	Burnt white
590	0	Medium Mammal	Skull	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	8	Sphenoid?
774	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	5	
774	0	Fowl	Tibio-tarsus	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	N	Y	N	X		3	1	4	
699	0	Sheep/Goat	Tibia	L	N	N	N	N	Y	Y	Y	Y	X	F	N	Y	N	N	N	N	Y	N	X		3	1	19	Snapped midshaft



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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes
699	0	Cattle	Astragalus	R	Y	Y	Y	Y	Y	Y	Y	Y	X	X	N	N	N	Y	N	N	Y	N	X	3	1	67	Possible carnivore gnawing on the body
699	0	Cattle	Tooth	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	Y	X	3	1	24	Lower M2= b
699	0	Cattle	Mandible	L	N	N	N	N	N	Y	N	Y	X	X	N	Y	N	Y	N	N	N	N	X	3	1	77	Carnivore gnawing on the gonial angle, cuts on the lateral side adjacent to the mandibular condyle
699	0	Pig	Femur	R	N	N	Y	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	7	
699	0	Sheep/Goat	Tooth	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	5	Upper M2
685	0	Pig	Humerus	L	N	N	N	Y	Y	Y	N	N	X	X	N	Y	N	N	N	N	N	N	X	3	1	27	Chopped diagonally through the proximal shaft
685	0	Cattle	Astragalus	R	Y	Y	Y	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	27	
685	0	Sheep/Goat	Metatarsal	L	Y	N	Y	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	3	
685	0	Sheep/Goat	Mandible	R	N	N	N	Y	N	N	N	N	X	X	N	N	N	Y	N	N	N	N	X	3	1	2	Possible carnivore gnawing on the fragment
642	0	Cattle	Metatarsal	L	Y	Y	Y	Y	N	N	N	N	F	X	N	Y	N	N	N	N	Y	N	X	2	1	64	Cut on the articular surface, chopped and snapped through the proximal shaft
642	0	Medium Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	X	2	1	4	Chopped through the proximal blade
642	0	Sheep/Goat	Tooth	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	5	Upper M1

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes	
642	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	1	
683	0	Cattle	Skull- frontal	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	Y	N	N	N	X		3	1	91	
683	0	Pig	Tooth	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	10	Lower Male canine
683	0	Cattle	Radius	L	N	N	N	N	N	Y	N	N	X	U	N	N	N	N	N	N	N	N	X		3	1	38	
644	0	Cattle	Mandible	L	Y	Y	N	N	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	X		2	1	38	Chopped through the diastama
773	0	Medium Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	4	
765	0	Sheep/Goat	Skull	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	Y	N	N	N	X		3	1	62	
724	0	Pig	Skull- maxilla	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	Y	N	N	N	X		3	1	32	
604	0	Cattle	Humerus	R	N	Y	N	N	N	N	N	N	U	X	N	N	N	Y	N	N	N	N	X		2	1	51	Carnivore puncture marks on the epiphysis
604	0	Cattle	Astragalus	L	Y	Y	Y	Y	Y	Y	Y	Y	X	X	N	N	N	N	N	N	Y	N	X		3	1	49	
695	0	Large Mammal	Vertebra	B	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	30	
695	0	Cattle	Humerus	L	N	N	N	N	N	N	Y	N	X	X	N	Y	N	N	N	N	N	N	X		2	1	39	Chopped across the condyle
695	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	4	
695	0	Pig	Radius	L	Y	Y	Y	N	N	N	N	N	F	X	N	N	Y	N	N	N	N	N	X		3	1	4	Burnt white, completely calcined
574	0	Cattle	Metatarsal	L	Y	Y	Y	Y	Y	Y	N	N	F	X	N	N	N	N	N	N	Y	N	X		3	1	142	
574	0	Cattle	Metacarpal	R	Y	Y	Y	Y	N	N	N	N	F	X	N	Y	N	N	N	N	Y	N	X		3	1	78	Chopped and snapped through proximal shaft
574	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	17	

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes	
574	0	Sheep/Goat	Humerus	R	N	N	N	N	Y	Y	Y	Y	X	F	N	N	N	N	N	N	Y	N	X		3	1	25	Chopped through proximal shaft
574	0	Cattle	Tibia	R	N	N	N	N	Y	Y	N	N	X	U	N	Y	N	N	N	N	N	N	X		3	1	67	Chopped through the distal shaft
574	0	Cattle	Tooth	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	7	Upper PM
574	0	Pig	Radius	L	Y	Y	Y	Y	Y	Y	N	N	F	U	N	N	N	N	N	N	Y	N	X		3	1	27	
574	0	Dog	Lumbar	B	N	N	N	N	N	N	N	N	F	F	N	N	N	N	N	Y	N	N	X		2	2	18	
574	0	Dog	Cervical	B	N	N	N	N	N	N	N	N	F	F	N	N	N	N	N	Y	N	N	X		2	4	33	
574	0	Dog	Thoracic	B	N	N	N	N	N	N	N	N	F	F	N	N	N	N	N	Y	N	N	X		2	9	49	T1-T9
574	0	Dog	Metatarsal (III)	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X		2	1	3	
574	0	Dog	Metatarsal (IV)	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X		2	1	3	
574	0	Dog	Humerus	L	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X		2	1	41	
574	0	Dog	Humerus	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	Y	N	N	N	N	Y	Y	N	X		2	1	42	bone spur (osteophytic growth) from the muscle insertion, lipping on the lateral condyle
574	0	Dog	Femur	L	N	N	N	N	Y	Y	Y	Y	X	F	Y	N	N	N	N	Y	Y	N	X		2	1	16	Slight lipping on the articular surfaces
574	0	Dog	Radius	L	N	N	Y	Y	Y	Y	N	N	X	X	N	N	N	N	N	Y	N	N	X		2	1	8	
574	0	Dog	Radius	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	Y	Y	Y	N	X		2	1	17	
574	0	Dog	Ulna	R	Y	Y	Y	Y	Y	Y	N	N	F	X	N	N	N	N	Y	Y	Y	N	X		2	1	16	
574	0	Dog	Ulna	L	Y	Y	Y	Y	Y	Y	N	N	F	X	N	N	N	N	N	Y	Y	N	X		2	1	15	
574	0	Dog	Tibia	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X		2	1	36	
574	0	Dog	Tibia	L	Y	Y	Y	Y	N	N	N	N	F	X	Y	N	N	N	N	Y	Y	N	X		2	1	26	Lipping on the proximal articular surface
574	0	Dog	Fibula	X	N	N	N	N	Y	Y	Y	Y	X	F	N	N	N	N	Y	Y	N	N	X		3	1	1	
574	0	Dog	Scapula	R	Y	N	N	Y	Y	Y	Y	N	F	X	N	N	N	N	N	Y	N	N	X		3	1	22	

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574	0	Dog	Scapula	L	Y	Y	Y	Y	Y	Y	Y	N	F	X	Y	N	N	N	Y	Y	Y	N	X	3	1	24	slight lipping on the glenoid fossa
574	0	Dog	Rib	R	Y	Y	Y	Y	N	N	N	N	F	X	N	N	N	N	N	Y	N	N	X	2	9	27	
574	0	Dog	Rib	L	Y	Y	Y	Y	N	N	N	N	F	X	N	N	N	N	N	Y	N	N	X	2	8	26	
574	0	Dog	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	Y	N	N	X	3	18	36	
574	0	Dog	Rib	X	N	N	N	N	N	N	N	N	X	X	Y	N	N	N	N	Y	N	N	X	3	1	2	distortion of the blade at the ventral end. Possible callous over well heal-ed break
574	0	Fowl	Tarso-metatarsus	L	Y	Y	Y	Y	Y	Y	Y	N	F	F	N	N	N	N	N	N	Y	N	X	3	1	2	
574	0	Cattle	Tooth	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	5	Upper PM
574	0	Large Mammal	Cervical	R	N	N	N	N	N	N	N	N	U	U	N	Y	N	N	N	N	N	N	X	3	1	20	Chopped through the saggital plane, cut on the articular facet
574	0	Cattle	Scapula	R	N	Y	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	18	
574	0	Equid	Tooth	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	4	1	40	Broken upper molar
574	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	10	
574	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	5	
574	0	Medium Mammal	Sesmoid	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	0	
592	0	Equid	Scapula	R	N	N	N	N	Y	Y	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	72	
592	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	74	
592	0	Cattle	Humerus	L	N	N	N	Y	Y	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	65	
592	0	Medium Mammal	Skull	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	4	1	1	
769	0	Cattle	Mandible	R	N	N	N	N	N	N	Y	Y	X	X	N	N	N	N	N	N	N	N	X	3	1	40	

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes		
769	0	Cattle	Metacarpal	L	N	N	Y	N	N	N	N	N	X	X	N	Y	N	Y	N	N	N	N	X		3	1	13	Chopped longitudinally, carnivore gnawing on the proximal end	
769	0	Cattle	Tooth	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	Y	X		3	1	4	Lower dpm= 1
769	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		2	1	0	Burnt black	
781	0	Cattle	Metatarsal	L	N	N	N	N	N	N	Y	Y	X	F	N	Y	N	N	N	N	N	Y	N	X		3	1	48	Chopped through the distal shaft
591	0	Cattle	Metacarpal	L	N	N	Y	Y	Y	Y	N	N	X	X	N	N	N	Y	N	N	N	N	X		3	1	91	Carnivore gnawing on the proximal end	
591	0	Sheep/Goat	Radius	R	Y	Y	Y	Y	Y	Y	N	N	F	X	N	Y	N	N	N	N	N	Y	N	X		3	1	20	cuts on the anterior medial, proximal shaft
591	0	Cattle	Femur	R	N	N	N	N	Y	Y	N	N	X	X	N	Y	N	N	N	N	N	N	X		3	1	87	chopped through the midshaft	
591	0	Cattle	Scapula	L	N	N	N	Y	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	1	17	burnt white/grey	
660	0	Sheep/Goat	Humerus	R	N	N	N	N	Y	N	Y	N	X	X	N	N	N	N	N	N	N	N	X		3	1	10		
650	0	Medium Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	1		
637	0	Medium Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	2		
689	0	Sheep/Goat	Humerus	R	N	N	N	N	Y	Y	Y	Y	X	F	N	N	N	Y	N	N	N	Y	N	X		3	1	19	possible carnivore gnawing on the distal condyles
766	0	Cattle	Phalanx (I)	R	Y	N	Y	N	Y	N	N	N	F	X	N	N	N	N	N	N	N	N	A		4	1	12		
768	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	1	1	burnt grey	

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes		
666	0	Cattle	Carpal/Tarsal I	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		1	1	8		
595	0	Mammal	Large Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		4	1	5		
674	0	Cattle	Mandible	L	N	N	N	N	N	N	N	Y	N	X	X	N	N	N	N	N	N	N	X		3	1	23		
682	0	Pig	Metapodial	R	Y	Y	Y	Y	N	N	N	N	F	X	N	N	N	Y	N	N	N	N	X		3	1	7	Carnivore gnawing on the proximal end	
682	0	Mammal	Large Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	1	3	Partially burnt black	
755	0	Cattle	Mandible	R	Y	Y	Y	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	N	Y	X		3	1	358	
755	0	Cattle	Mandible	L	Y	Y	Y	Y	Y	Y	Y	Y	X	X	N	N	N	N	N	N	N	N	Y	X		3	1	581	
755	0	Goose	Humerus	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	Y	N	N	N	N	N	Y	N	X		3	1	18	cut through the deltoid crest.
755	0	Mammal	Large Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	N	X		3	1	26	
755	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	N	X		3	1	6	4 cuts across the edge
846	0	Sheep/Goat	Ulna	R	N	Y	Y	Y	Y	N	N	N	X	X	N	N	N	Y	N	N	N	N	X		3	1	7	possible carnivore gnawing on the proximal end	
846	0	Sheep/Goat	Scapula	R	Y	Y	N	N	N	N	N	N	F	X	N	Y	N	N	N	N	N	N	X		3	1	6	Chopped and snapped through the neck	
846	0	Mammal	Large Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	X		3	1	8	Chopped on the cortical surface	
846	0	Mammal	Large Thoracic	B	N	N	N	N	N	N	N	N	X	F	N	N	N	Y	N	N	N	N	X		3	1	52	carnivore gnawing on the body	

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes
846	0	Cattle	Humerus	L	N	N	N	N	Y	Y	Y	Y	X	F	N	Y	N	Y	N	N	Y	N	X	3	1	243	Chopped through the distal shaft, possible carnivore gnawing on the distal end
846	0	Cattle	Calcaneus	R	Y	Y	Y	Y	Y	Y	Y	N	X	X	N	N	N	Y	N	N	N	N	X	3	1	79	Carnivore gnawing on the proximal end
846	0	Fowl	Tibio-tarsus	R	Y	Y	Y	Y	N	N	N	N	F	X	Y	N	N	N	N	N	N	N	X	3	1	7	midshaft distended and enlarged, slight curvature to the lateral side. Possible well healed break/ infection within the bone
846	0	Medium Mammal	Sacrum	B	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	N	N	N	X	2	1	12	
846	0	Cattle	Skull- frontal	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	38	
846	0	Cattle	Skull- occipital	B	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	45	
846	0	Cattle	Skull- maxilla	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	136	
846	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	X	3	1	12	Cuts on the medial side of the blade
846	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	17	
846	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	2	
846	0	Cattle	Tooth	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	Y	X	3	1	34	Lower M3=b

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes		
846	0	Medium Mammal	Scapula	L	N	N	N	N	Y	N	N	N	X	X	N	N	N	N	Y	N	N	N	X		3	1	21		
846	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	2		
847	0	Dog	Calcaneus	R	Y	Y	Y	Y	Y	Y	Y	Y	X	X	N	N	N	N	N	N	N	Y	N	X		2	1	3	
847	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		4	1	2	Burnt black	
847	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	4	4	Burnt partially white	
1113	0	Cattle	Tibia	L	N	N	N	Y	Y	Y	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	18		
1113	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	5		
1113	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	1	8	Burnt black/white	
1113	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		4	1	5	Burnt grey/white	
66	0	Pig	Mandible	R	N	N	Y	Y	Y	Y	N	N	X	X	N	N	N	N	N	N	N	Y	X		3	1	39		
66	0	Pig	Scapula	L	N	Y	Y	Y	Y	Y	Y	Y	U	X	N	N	N	N	N	Y	N	N	X		3	1	24		
66	0	Pig	Humerus	R	N	N	Y	Y	Y	Y	N	N	U	U	N	N	N	N	N	Y	N	N	X		3	1	38		
66	0	Pig	Radius	R	N	N	Y	Y	Y	Y	N	N	U	U	N	N	N	N	N	Y	N	N	X		2	1	17		
66	0	Pig	Ulna	R	N	Y	Y	Y	Y	Y	Y	N	U	U	N	N	N	N	N	Y	N	N	X		2	1	17		
66	0	Pig	Metatarsal (III)	L	Y	Y	Y	Y	Y	Y	N	N	F	U	N	N	N	N	N	Y	N	N	X		2	1	6		
66	0	Pig	Metatarsal (IV)	L	Y	Y	Y	Y	Y	Y	N	N	F	U	N	N	N	N	N	Y	N	N	X		2	1	6		
66	0	Pig	Skull	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	Y	Y	N	N	X		3	1	37		
66	0	Medium Mammal	Thoracic	B	N	N	N	N	N	N	N	N	U	X	N	N	N	N	N	N	N	N	X		3	1	3	Unfused spinous process	
66	0	Medium Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	5		
66	0	Sheep/Goat	Tibia	R	N	N	N	N	Y	Y	Y	Y	X	F	N	Y	N	N	N	N	N	Y	X		2	1	22	Chopped and snapped midshaft	
66	0	Pig	Femur	L	N	N	Y	Y	Y	N	N	N	X	X	N	N	N	Y	N	N	N	N	X		3	1	25	Possible carnivore gnawing on the proximal end	
66	0	Sheep/Goat	Radius	R	N	N	Y	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	6		
66	0	Sheep/Goat	Tibia	R	N	N	N	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	15		



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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes		
66	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	X		3	1	11	Chopped and snapped through blade	
66	0	Large Mammal	Mandible	R	N	N	N	N	N	Y	N	N	X	X	N	Y	N	N	N	N	N	N	X		3	1	25	Chopped on the medial side	
66	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	2	1		
68	0	Cattle	Innominate	R	N	Y	Y	N	Y	N	Y	N	F	X	N	Y	N	N	N	N	N	N	E		3	1	211	Chopped on the medial side of the ilium	
68	0	Cattle	Tibia	R	N	N	N	N	Y	Y	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	52		
65	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	X		3	1	3	cut into vaguely triangular shape and polished on the cortical surface, rivets through the bone. Knife handle.	
65	0	Pig	Mandible	L	N	N	Y	N	Y	N	N	N	X	X	N	N	N	N	N	N	N	Y	X		3	1	80		
65	0	Cattle	Mandible	L	N	N	Y	N	Y	Y	N	N	X	X	N	N	N	N	N	N	N	Y	X		3	1	211		
65	0	Cattle	Humerus	L	N	N	N	N	Y	Y	N	N	X	X	N	Y	N	N	N	N	N	N	X		3	1	121	Chopped through the midshaft	
65	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	32		
65	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	X		3	1	19	Cut and snapped through the lateral side of the blade	
65	0	Sheep/Goat	Astragalus	R	Y	Y	Y	Y	Y	Y	Y	Y	X	X	N	N	N	N	N	N	N	Y	N	X		2	1	8	
65	0	Sheep/Goat	Calcaneus	R	Y	Y	Y	Y	Y	Y	Y	Y	F	X	N	N	N	N	N	N	N	Y	N	X		2	1	10	
65	0	Sheep/Goat	Nav-Cuboid	R	Y	Y	Y	Y	Y	Y	Y	Y	X	X	N	Y	N	N	N	N	N	N	X		2	1	5	Single cut across the planar side	

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes	
65	0	Sheep/Goat	Innominate	L	N	N	N	N	Y	Y	N	N	F	X	N	N	N	N	N	N	N	N	X	3	1	7		
65	0	Medium Mammal	Tibia	R	N	N	N	N	Y	Y	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	21		
65	0	Fowl	Femur	R	N	N	N	N	Y	Y	Y	Y	X	F	N	N	N	N	N	N	N	N	X	2	1	2		
65	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	3		
65	0	Large Mammal	Vertebra	X	N	N	N	N	N	N	N	N	X	X	N	N	N	Y	N	N	N	N	X	3	1	22	Possible carnivore gnawing	
65	0	Large Mammal	Innominate	L	Y	Y	N	N	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	X	2	1	78	Chopped and cut on the ventral surface	
24	0	Cattle	Metatarsal	L	Y	Y	Y	Y	Y	Y	N	N	F	U	N	N	N	N	N	N	Y	N	X	3	1	123		
24	0	Cattle	Tibia	L	N	N	N	Y	Y	Y	Y	Y	X	U	N	N	N	N	N	N	N	N	X	3	1	139		
24	0	Cattle	Astragalus	L	Y	Y	Y	Y	Y	Y	Y	Y	X	X	N	N	N	N	N	N	N	Y	N	X	2	1	58	
24	0	Cattle	Calcaneus	L	Y	Y	Y	Y	Y	Y	Y	N	X	X	N	N	N	N	N	N	N	N	X	3	1	51		
24	0	Cattle	Nav-Cuboid	L	Y	Y	Y	Y	Y	Y	Y	Y	X	X	N	N	N	N	N	N	N	N	X	2	1	35		
24	0	Cattle	Carpal/Tarsal	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	6		
24	0	Cattle	Humerus	L	N	N	N	N	Y	Y	N	N	X	U	N	N	N	N	N	N	N	N	X	3	1	37		
24	0	Cattle	Humerus	R	N	N	Y	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	108		
24	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	1		
13	0	Cattle	Femur	L	N	N	N	N	Y	Y	N	N	X	X	N	N	Y	N	Y	N	N	N	X	3	1	102	Burnt black/brown	
13	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X	3	1	10	Burnt black	
13	0	Fish	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	1	Large, Cod sized?	
13	0	Medium Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	4		
13	0	Large Mammal	Ulna	L	N	N	N	N	Y	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	6		
13	0	Sheep/Goat	Skull-premaxilla	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	2		
13	0	Sheep/Goat	Humerus	R	N	N	Y	Y	N	N	N	N	U	X	N	N	N	N	N	N	N	N	X	3	1	7		

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes	
13	0	Cattle	Metatarsal	R	Y	Y	Y	Y	N	N	N	N	F	X	N	Y	N	N	N	N	Y	N	X		4	1	38	Chopped and snapped midshaft
13	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	13	
13	0	Cattle	Metapodial	R	N	N	Y	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		4	1	11	Juv
13	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	2	5	
13	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	2	
13	0	Large Mammal	Mandible	L	N	N	N	N	Y	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	10	
13	0	Medium Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	2	
13	0	Medium Mammal	Vertebra	X	N	N	N	N	N	N	N	N	U	X	N	N	N	N	N	N	N	N	X		3	1	1	
13	0	Pig	Skull-mastoid	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	2	
13	0	Fowl	Femur	L	N	N	Y	Y	Y	Y	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	2	
33	0	Cattle	Skull	B	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	Y	N	N	X		3	1	615	
33	0	Cattle	Humerus	L	N	N	N	N	Y	Y	N	N	X	U	N	N	N	N	N	N	N	N	X		3	1	30	
52	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	17	
52	0	Large Mammal	Vertebra	B	N	N	N	N	N	N	N	N	X	U	N	N	N	N	N	N	N	N	X		2	1	12	
52	0	Large Mammal	Mandible	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	1	4	burnt black
52	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	1	2	burnt black/brown
56	0	Cattle	Metatarsal	R	Y	Y	Y	Y	Y	Y	N	N	X	X	N	N	N	Y	N	N	N	N	X		3	1	119	Carnivore gnawing on the proximal and distal end
56	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	3	
11	0	Sheep/Goat	Mandible	L	Y	Y	Y	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	Y	X		2	1	39	
11	0	Dog	Tibia	R	N	N	N	N	N	N	Y	Y	X	F	N	N	Y	N	N	N	Y	N	X		3	1	5	burnt brown/black

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes
11	0	Pig	Radius	L	N	N	Y	Y	Y	Y	N	N	X	X	N	N	Y	N	N	N	N	N	X	3	1	24	Burnt brown/black
11	0	Sheep/Goat	Calcaneus	R	Y	Y	Y	Y	Y	Y	Y	Y	F	X	N	N	Y	N	N	N	Y	N	X	3	1	6	Burnt black
11	0	Columba Sp.	Radius	L	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	N	Y	N	X	3	1	0	
11	0	Goose	Carpometacarpus	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	N	Y	N	X	2	1	6	
11	0	Fowl	Femur	L	Y	Y	Y	Y	Y	Y	Y	Y	X	U	N	N	N	N	N	N	N	N	X	3	1	2	
11	0	Bird	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X	3	1	1	Burnt grey/black
11	0	Bird	Sternum	B	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	3	Fowl size
11	0	Bird	Furcula	B	N	Y	Y	Y	Y	Y	Y	Y	X	X	N	N	N	N	N	N	N	N	X	3	1	1	
11	0	Cattle	Metapodial	L	N	N	N	N	N	N	N	N	X	F	N	N	Y	N	N	N	N	N	X	3	1	37	Burnt grey/white
11	0	Cattle	Skull- maxilla	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	Y	N	N	N	X	3	1	43	
11	0	Large Mammal	Lumbar	B	N	N	N	N	N	N	N	N	U	U	N	N	N	Y	N	N	N	N	X	2	1	137	Carnivore gnawing on the centrum
11	0	Sheep/Goat	Mandible	R	N	N	N	N	N	N	Y	Y	X	X	N	N	Y	N	N	N	N	N	X	3	1	4	Burnt grey/black
11	0	Cattle	Scapula	L	N	N	N	Y	Y	N	N	N	X	X	N	N	N	N	N	N	N	N	X	4	1	14	
11	0	Cattle	Skull- maxilla	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	12	
11	0	Large Mammal	Thoracic	B	N	N	N	N	N	N	N	N	U	U	N	N	N	N	N	N	N	N	X	2	1	75	
11	0	Large Mammal	Thoracic	B	N	N	N	N	N	N	N	N	X	U	N	N	N	N	N	N	N	N	X	2	1	34	
11	0	Large Mammal	Thoracic	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X	3	1	16	partially charred black
11	0	Medium Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	4	34	
11	0	Medium Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	4	9	
11	0	Pig	Tooth	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	3	Lower incisor
11	0	Pig	Tibia	L	N	N	Y	Y	Y	N	N	N	X	X	N	N	Y	N	Y	N	N	N	X	3	1	42	Burnt grey/black
11	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X	3	1	11	Burnt grey/black

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes		
11	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	14	53	Partially burnt black	
11	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	5		
11	0	Large Mammal	Scapula	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	Y	N	N	N	X		3	1	27	Burnt brown/grey, blade fragment	
11	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	2	13	Burnt partially brown/black/white	
11	0	Medium Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	1	1	Burnt black	
11	0	Sheep/Goat	Scapula	R	N	N	N	Y	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	1	8	Burnt grey/black	
11	0	Sheep/Goat	Mandible	R	N	Y	Y	Y	N	N	N	N	X	X	N	N	Y	N	Y	N	N	N	X		3	1	16	burnt black/brown	
11	0	Sheep/Goat	Atlas	X	Y	N	Y	N	Y	N	Y	N	F	X	N	N	Y	N	N	N	N	N	X		3	1	7	Burnt black	
11	0	Sheep/Goat	Mandible	L	N	N	Y	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	1	6	Burnt black/grey	
11	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	1	6	Burnt black	
11	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	5	6	Burnt white	
11	0	Medium Mammal	Thoracic	B	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	1	2	Burnt grey/white	
11	0	Sheep/Goat	Skull-zygomatic	L	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	1	1	Burnt white	
11	0	Medium Mammal	Skull- maxilla	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	1	2	Burnt white	
11	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	2	2	Burnt white	
11	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		4	3	12		
11	0	Medium Mammal	Thoracic	B	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	4		
11	0	Cattle	Tooth	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	5	Upper PM	
11	0	Cattle	Mandible	L	N	Y	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	1	13	Burnt brown/grey	
11	0	Cattle	Tooth	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	Y	X		2	1	5	Lower dpm4= b

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes	
11	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	3	10	Burnt brown/grey
11	0	Pig	Metatarsal (V)	L	Y	Y	Y	Y	Y	Y	N	N	F	U	N	N	N	N	N	N	N	N	X		3	1	4	
11	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	11	22	Partially burnt grey/black
4	0	Equid	Humerus	R	N	N	Y	Y	Y	Y	Y	Y	X	F	N	N	N	Y	N	N	Y	N	X		2	1	341	Possible carnivore gnawing on the proximal end
4	0	Equid	Radius	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	N	Y	N	X		2	1	366	
4	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	32	
9	0	Cattle	Metatarsal	L	Y	Y	Y	Y	N	N	N	N	F	X	N	Y	N	N	N	N	Y	N	X		2	1	182	Chopped through the mid-shaft, cut on the anterior shaft, below the articular surface
9	0	Equid	Radius	L	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	N	Y	N	X		2	1	334	
9	0	Equid	Metacarpal	L	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	N	Y	N	X		2	1	186	
9	0	Equid	Metacarpal (II)	L	Y	Y	Y	Y	Y	Y	Y	Y	F	X	N	N	N	N	N	N	N	N	X		2	1	9	
9	0	Equid	Metatarsal	L	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	Y	N	Y	N	X		2	1	201	
9	0	Equid	Phalanx (I)	L	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	N	Y	N	X		2	1	65	
9	0	Cattle	Tibia	L	N	N	N	N	Y	Y	N	Y	X	F	N	Y	N	N	N	N	N	N	X		3	1	84	Chopped and snapped through the distal shaft, cuts across the distal shaft

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes		
9	0	Cattle	Metacarpal	R	N	N	Y	Y	N	N	N	N	X	X	N	Y	N	Y	N	N	N	N	X		3	1	48	Chopped longitudinally, proximal midshaft, carnivore gnawing on the proximal end	
9	0	Equid	Mandible	R	N	N	N	N	N	Y	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	56		
22	0	Cattle	Metatarsal	L	N	N	N	N	Y	Y	N	N	X	U	N	Y	N	N	N	N	N	N	X		3	1	106	Chopped and snapped mid-shaft	
22	0	Cattle	Radius	R	N	N	Y	Y	Y	Y	N	N	X	X	N	Y	N	N	N	N	N	N	X		3	1	143	Chopped through the proximal shaft	
22	0	Cattle	Tibia	R	N	N	N	N	Y	Y	N	N	X	X	N	N	N	Y	N	N	N	N	X		3	1	73	Carnivore gnawing on the distal end	
22	0	Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		4	1	24		
22	0	Mammal	Thoracic	B	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	6	Spinous process	
22	0	Cattle	Tooth	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	22	Upper molar	
22	0	Cattle	Scapula	R	N	N	N	Y	N	Y	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	74		
22	0	Mammal	Scapula	X	N	N	N	N	N	Y	N	N	X	X	N	N	N	N	N	N	N	N	X		4	1	52		
16	0	Cattle	Tibia	L	N	N	Y	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	37		
16	0	Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	X		2	3	36	cuts on the lateral side of the blade	
16	0	Cattle	Metapodial	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	2	13	shaft fragments	
16	0	Cattle	Tooth	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	2	Molar fragment	
16	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	1		
35	0	Pig	Mandible	R	Y	Y	Y	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	N	Y	X		3	1	66	
35	0	Mammal	Innominate	X	N	Y	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	27		

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes	
35	0	Equid	Innominate	R	N	N	N	N	N	N	Y	Y	F	X	N	N	N	N	N	N	N	N	X		3	1	141	
28	0	Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	Y	N	N	N	X		2	2	31	
28	0	Cattle	Phalanx (I)	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	N	N	Y	N	X	2	1	32	
28	0	Sheep/Goat	Radius	R	Y	Y	N	Y	N	N	N	N	F	X	N	N	N	N	N	N	N	Y	N	X	2	1	7	
28	0	Cattle	Tooth	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	Y	X	2	1	12	Lower M1=m
76	0	Cattle	Humerus	R	N	N	N	N	Y	Y	N	N	X	X	N	Y	N	N	N	N	N	N	X		2	1	119	Chopped and cut on the medial side
76	0	Mammal	Vertebra	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	7	
76	0	Sheep/Goat	Tooth	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	6	Lower M3 broken
76	0	Sheep/Goat	Tooth	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	2	enamel fragment
76	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	3	5
7	0	Sheep/Goat	Tibia	R	N	N	N	N	N	N	N	Y	X	F	N	N	Y	N	N	N	N	N	X		3	1	5	Burnt grey/white
19	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	5	
71	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	0	
70	0	Mammal	Scapula	L	N	N	N	N	N	N	N	Y	X	X	N	N	N	N	N	N	N	N	X		3	1	4	
469	0	Cattle	Femur	L	N	N	N	N	Y	Y	Y	Y	X	X	N	N	N	Y	Y	N	N	N	X		3	1	190	carnivore gnawing on the distal end
469	0	Cattle	Metatarsal	L	N	N	Y	Y	Y	Y	N	N	F	X	N	N	N	Y	N	N	N	N	E		1	1	147	Carnivore gnawing on the proximal end
444	0	Dog	Skull	B	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	Y	Y	N	X		2	1	42	Raised forehead and rounded cranial vault
444	0	Dog	Mandible	R	Y	Y	Y	Y	Y	Y	Y	Y	X	X	N	N	N	N	N	Y	N	N	X		2	1	8	
444	0	Dog	Mandible	L	Y	Y	Y	Y	Y	Y	Y	Y	X	X	N	N	N	N	N	Y	N	N	X		2	1	8	
444	0	Dog	Humerus	L	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X		2	1	6	
444	0	Dog	Humerus	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X		2	1	7	
444	0	Dog	Tibia	L	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	Y	Y	N	X		2	1	6	



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444	0	Dog	Tibia	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	Y	N	N	N	N	Y	N	N	X	2	1	6	Curvature of the proximal shaft to the lateral and posterior, slight bone callous on the posterior shaft, possible well healed greenstick fracture
444	0	Dog	Femur	R	Y	Y	Y	Y	Y	Y	N	N	F	X	N	N	N	N	N	Y	Y	N	X	2	1	4	
444	0	Dog	Femur	L	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	Y	Y	Y	N	X	2	1	6	
444	0	Dog	Ulna	L	Y	Y	Y	Y	N	N	N	N	F	X	N	N	N	N	N	Y	Y	N	X	2	1	3	
444	0	Dog	Ulna	R	Y	Y	Y	Y	N	N	N	N	F	X	N	N	N	N	N	Y	Y	N	X	2	1	3	
444	0	Dog	Radius	R	N	N	N	N	Y	Y	Y	Y	X	F	N	N	N	N	N	Y	Y	N	X	2	1	1	
444	0	Dog	Innominate	L	Y	Y	Y	Y	Y	N	Y	Y	F	X	N	N	N	N	N	Y	N	N	X	2	1	3	
444	0	Dog	Scapula	L	N	N	N	N	N	N	Y	N	X	X	N	N	N	N	N	Y	N	N	X	2	1	1	
444	0	Dog	Cervical	B	N	N	N	N	N	N	N	N	F	F	N	N	N	N	N	Y	N	N	X	2	1	2	
444	0	Dog	Lumbar	B	N	N	N	N	N	N	N	N	F	F	N	N	N	N	N	Y	N	N	X	2	4	7	
444	0	Dog	Rib	L	Y	Y	Y	Y	Y	Y	N	N	F	X	N	N	N	N	N	Y	N	N	X	2	4	2	
444	0	Dog	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	Y	N	N	X	2	1	0	
444	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	5	1	
444	0	Cattle	Astragalus	R	Y	Y	Y	Y	Y	Y	Y	Y	X	X	N	N	N	Y	N	N	N	N	A	3	1	37	Possible carnivore gnawing on the body
449	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	X	3	1	32	chopped and snapped through the lateral blade
449	0	Large Mammal	Vertebra	L	N	N	N	N	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	X	3	1	23	Chopped through the saggital planre
449	0	Cattle	Radius	R	N	N	Y	Y	Y	Y	N	N	X	X	N	N	N	N	N	N	N	N	X	4	1	18	

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes
449	0	Sheep/Goat	Scapula	R	N	Y	Y	Y	N	N	N	N	X	X	N	N	N	Y	N	N	N	N	X	3	1	8	Possible carnivore gnawing on the proximal end
449	0	Cattle	Femur	R	Y	N	N	N	N	N	N	N	F	X	N	N	N	Y	N	N	N	N	X	3	1	42	Possible carnivore gnawing on the head and neck
442	0	Sheep/Goat	Radius	L	N	N	Y	Y	Y	Y	N	N	X	X	N	N	N	Y	N	N	N	N	X	3	1	22	Possible carnivore gnawing on the distal shaft
442	0	Equid	Humerus	L	N	N	Y	Y	Y	Y	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	94	
442	0	Sheep/Goat	Mandible	L	N	N	Y	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	Y	X	3	1	29	
442	0	Cattle	Scapula	L	Y	N	N	Y	Y	N	N	N	F	X	N	Y	N	N	N	N	N	N	X	2	1	91	chop marks below the glenoid fossa
442	0	Cattle	Phalanx (I)	L	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	Y	N	N	N	N	X	3	1	31	Carnivore gnawing on the proximal and distal ends
442	0	Cattle	Phalanx (I)	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	Y	N	N	Y	N	N	N	N	X	3	1	37	Extention of the proximal articulation on the lateral side, carnivore gnawing on the proximal and distal ends
442	0	Cattle	Tooth	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	Y	X	2	1	8	Lower dpm4=b

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes
425	0 Pig		Humerus	L	N	N	Y	Y	Y	Y	Y	Y	U	F	N	Y	N	N	N	N	Y	N	X	1	1	124	Cuts on the medial condyle, lateral shaft and proximal shaft, below the epiphysis
425	0 Medium Mammal		Innominate	L	N	Y	N	N	N	N	N	N	X	X	N	N	N	Y	N	N	N	N	X	3	1	23	Carnivore gnawing on the illium
425	0 Large Mammal		Innominate	L	Y	Y	N	N	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	X	3	1	219	Chopped through the illium
382	0 Cattle		Humerus	R	N	N	Y	Y	Y	Y	Y	Y	X	F	N	Y	N	Y	N	N	Y	N	X	3	1	422	Carnivore gnawing on the distal lateral condyles, chopped through the proximal shaft
484	0 Unidentified		Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	E	4	4	21	Encrusted with a cress like material
483	0 Medium Mammal		Vertebra	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	0	fragment
483	0 Sheep/Goat		Metatarsal	X	N	N	N	N	N	N	N	N	X	X	N	N	N	Y	N	N	N	N	X	2	1	1	Shaft fragment, carnivore gnawing on the shaft
397	0 Sheep/Goat		Radius	L	Y	Y	Y	Y	N	N	N	N	F	X	N	N	N	N	Y	N	Y	N	X	2	1	17	
397	0 Large Mammal		Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	2	17	
397	0 Large Mammal		Rib	X	N	N	N	N	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	X	3	2	82	Cut and snapped through the lateral side of the blade

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes		
397	0	Sheep/Goat	Radius	L	Y	N	Y	Y	Y	Y	N	N	F	X	N	N	N	Y	N	N	N	N	X		3	1	19	Carnivore gnawing on the proximal and distal ends	
397	0	Sheep/Goat	Radius	L	N	N	Y	N	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	X		3	1	4	Two cuts on the shaft	
397	0	Sheep/Goat	Scapula	R	N	N	Y	Y	Y	N	N	N	X	X	N	N	N	Y	N	N	N	N	X		3	1	13	carnivore gnawing on the neck	
397	0	Cattle	Skull-temporal	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	62		
397	0	Cattle	Humerus	R	N	N	N	N	Y	Y	N	N	X	X	N	N	N	N	N	N	N	N	R		3	1	130		
397	0	Cattle	Metatarsal	L	N	N	N	N	Y	Y	Y	Y	X	F	N	N	N	N	N	N	Y	N	X		3	1	75		
397	0	Sheep/Goat	Mandible	R	N	Y	Y	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	N	Y	X		3	1	46	
397	0	Equid	Metacarpal	R	N	N	Y	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	31	Small, juv?	
397	0	Cattle	Metapodial	L	N	N	N	N	Y	Y	N	N	X	X	N	N	N	Y	N	N	N	N	X		3	1	22	Possible carnivore gnawing on the distal end	
397	0	Cattle	Innominate	L	N	N	Y	Y	N	N	Y	N	F	X	N	Y	N	N	Y	N	N	N	X		4	1	104	chopped along the ischium	
397	0	Cattle	Hyoid	L	N	N	N	N	N	N	N	N	F	X	N	Y	N	N	N	N	N	N	X		3	1	3	Cut on the medial side	
397	0	Cattle	Scapula	R	N	N	N	N	Y	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	26		
397	0	Sheep/Goat	Tooth	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	5	Upper M2	
397	0	Cattle	Innominate	L	N	N	N	N	N	N	Y	Y	X	X	N	Y	N	N	N	N	N	N	X		3	1	45	Chop mark on the acetabulum	
397	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	3	18		
424	0	Cattle	Skull- maxilla	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	Y	N	N	N	X		3	1	159		
424	0	Large Mammal	Lumbar	L	N	N	N	N	N	N	N	N	U	U	N	Y	N	N	N	N	N	N	X		3	1	31	Chopped through the saggital plane	
424	0	Cattle	Tooth	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	Y	X		2	1	15	Lower M1=g	

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes	
424	0	Pig	Tibia	R	N	N	Y	Y	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	X		4	1	37	Chopped through the proximal shaft
470	0	Cattle	Mandible	L	Y	Y	Y	Y	Y	Y	N	Y	X	X	N	Y	N	N	N	N	N	Y	X		3	1	562	Cuts on the goneal angle below the condyle
362	0	Cattle	Tibia	R	N	N	Y	Y	Y	Y	N	N	X	X	N	N	N	Y	N	N	N	N	X		2	1	171	carnivore gnawing on the proximal and distal ends
370	0	Cattle	Tibia	R	N	N	N	N	Y	Y	Y	Y	X	F	N	Y	N	N	N	N	Y	N	X		2	1	95	Chopped through the distal shaft
370	0	Cattle	Tibia	R	N	N	Y	Y	Y	Y	N	N	X	X	N	Y	N	Y	N	N	N	N	X		3	1	171	Chopped through the distal shaft, possible carnivore gnawing on the proximal end
370	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		4	2	12	
398	0	Cattle	Skull- frontal	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	97	+ horncore base, rest broken off
375	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	X		3	2	69	chopped and snapped through the blade
375	0	Sheep/Goat	Humerus	R	N	N	Y	Y	Y	Y	Y	Y	X	F	N	N	N	N	N	N	Y	N	X		3	1	35	
375	0	Cattle	Metatarsal	L	Y	Y	Y	Y	Y	Y	N	N	F	U	N	N	N	N	N	N	Y	N	X		2	1	58	
375	0	Cattle	Tibia	L	N	N	Y	Y	Y	Y	N	N	X	U	N	N	N	N	N	N	N	N	X		2	1	57	
375	0	Cattle	Astragalus	R	Y	N	Y	Y	Y	Y	Y	Y	X	X	N	N	N	N	N	N	N	N	X		3	1	53	
375	0	Sheep/Goat	Scapula	L	N	Y	Y	Y	Y	N	N	N	X	X	N	N	N	Y	N	N	N	N	X		3	1	18	Carnivore gnawing on the blade

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes	
375	0	Cattle	Metapodial	X	N	N	Y	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	19		
375	0	Large Mammal	Lumbar	R	N	N	N	N	N	N	N	N	F	F	N	Y	N	N	N	N	N	N	X	3	1	17	Chopped through the saggital plane	
375	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	22		
394	0	Cattle	Radius	R	N	N	N	N	Y	Y	Y	Y	X	F	N	Y	N	N	N	N	N	N	X	3	1	189	Chopped and snapped midshaft	
394	0	Sheep	Horncore	L	N	N	Y	Y	Y	Y	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	33		
394	0	Cattle	Metapodial	L	N	N	N	N	N	N	N	Y	Y	X	U	N	N	N	N	N	N	N	X	2	1	31		
394	0	Medium Mammal	Thoracic	B	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	18		
394	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	2	6		
394	0	Large Mammal	Scapula	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	4	50	Blade fragments	
394	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	12		
389	0	Pig	Mandible	L	Y	Y	Y	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	69		
389	0	Pig	Mandible	R	Y	N	N	N	N	N	N	N	X	X	N	N	N	N	Y	N	N	N	X	3	1	15	Male	
389	0	Pig	Scapula	L	Y	N	Y	Y	Y	N	N	N	U	X	N	N	N	N	N	N	N	N	X	2	1	1	Infant	
389	0	Sheep/Goat	Tooth	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	3	Broken lower M3	
389	0	Cattle	Scapula	X	N	Y	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	19		
389	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	2	1		
389	0	Cattle	Axis	R	N	Y	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	20		
389	0	Large Mammal	Scapula	L	N	N	N	N	Y	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	6		
389	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	3	1		
398	0	Sheep/Goat	Mandible	R	Y	Y	Y	Y	Y	Y	Y	Y	Y	X	N	N	N	N	N	N	N	N	Y	X	3	1	56	
398	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	4	81		
398	0	Cattle	Skull- maxilla	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	106		
398	0	Pig	Skull- maxilla	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	42	All teeth broken to the root	
398	0	Cattle	Mandible	L	N	Y	Y	Y	N	N	N	N	X	X	N	N	N	N	Y	N	N	N	X	3	1	36		

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398	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	2	14	
398	0	Cattle	Scapula	L	Y	Y	N	N	N	N	N	N	F	X	N	Y	N	N	N	N	Y	N	X		3	1	79	Spinous process trimmed, chopped through the posterior blade
398	0	Pig	Metacarpal (IV)	L	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	N	Y	N	X		3	1	18	
398	0	Cattle	Tooth	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	22	Broken lower M3
373	0	Cattle	Femur	R	N	N	N	Y	Y	Y	N	N	X	U	N	N	N	Y	N	N	N	N	X		2	1	232	Carnivore gnawing on the distal end
358	0	Equid	Metacarpal	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	N	Y	N	E		3	1	190	
358	0	Cattle	Humerus	L	N	N	N	N	Y	Y	N	N	X	X	N	N	N	Y	N	N	N	N	X		2	1	76	Possible carnivore gnawing on the distal end
358	0	Sheep/Goat	Horncore	L	Y	Y	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	3	
358	0	Medium Mammal	Cervical	B	N	N	N	N	N	N	N	N	U	F	N	N	N	N	N	N	N	N	X		2	1	18	
358	0	Sheep/Goat	Tooth	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	7	Upper M2
358	0	Sheep/Goat	Tooth	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	Y	X		2	1	7	Lower M3=f
358	0	Medium Mammal	Mandible	R	N	N	Y	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		4	1	10	
316	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	1	
316	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	X		2	1	2	Four cuts on the shaft fragment
316	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	Y	N	N	N	X		4	1	13	
316	0	Sheep	Horncore	R	Y	Y	Y	Y	Y	N	N	N	X	X	N	Y	N	N	N	N	N	N	X		2	1	52	Chopped on the base for horn removal

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes		
316	0	Sheep/Goat	Skull- maxilla	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	23		
316	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	Y	N	N	N	N	X		2	1	10	Possible carnivore gnawing on the shaft	
316	0	Fowl	Tibio-tarsus	L	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	Y	N	Y	N	X		3	1	4		
316	0	Medium Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	1		
316	0	Fowl	Scapula	R	Y	Y	Y	Y	Y	Y	Y	Y	F	X	N	N	N	N	N	N	N	Y	N	X		2	1	1	
312	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	20		
312	0	Sheep/Goat	Radius	R	Y	Y	Y	Y	Y	Y	N	N	F	X	N	Y	N	N	N	N	N	Y	N	X		3	1	19	three cuts on the medial shaft
312	0	Sheep/Goat	Ulna	R	N	Y	Y	Y	N	N	N	N	F	X	N	N	N	Y	N	N	N	N	X		3	1	8	Carnivore gnawing on the proximal end	
312	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	2	21		
377	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	X		3	1	14	Chopped on the neck	
377	0	Medium Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	6		
377	0	Large Mammal	Vertebra	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	23		
376	0	Medium Mammal	Lumbar	L	N	N	N	N	N	N	N	N	F	U	N	Y	N	N	N	N	N	N	X		3	1	8	Chopped through the saggital plane	
376	0	Large Mammal	Radius	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	51	Shaft fragment	
305	0	Cattle	Mandible	R	N	N	N	N	N	Y	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	44		
305	0	Sheep/Goat	Scapula	R	Y	N	Y	Y	Y	N	N	N	F	X	N	N	N	N	N	N	N	N	X		3	1	21		
305	0	Sheep/Goat	Scapula	L	N	Y	Y	Y	N	Y	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	24		
305	0	Sheep/Goat	Scapula	L	N	N	N	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		4	1	17		
385	0	Large Mammal	Thoracic	B	N	N	N	N	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	X		3	1	37	Two cuts on the spinous process	



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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes
385	0	Cattle	Phalanx (I)	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	N	Y	N	X	2	1	26	
385	0	Mammal	Femur	R	Y	N	N	N	N	N	N	N	F	X	N	N	N	N	N	N	N	N	X	1	1	35	
385	0	Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	1	
385	0	Mammal	Skull	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	5	
385	0	Goose Size	Phalanx (I)	X	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	N	N	N	X	2	1	2	
391	0	Cattle	Astragalus	R	Y	Y	Y	Y	Y	Y	Y	Y	X	X	N	N	N	N	N	N	Y	N	X	2	1	57	
314	0	Cattle	Metatarsal	R	Y	N	Y	N	Y	N	N	N	F	X	N	Y	N	Y	N	N	N	N	X	3	1	71	Possible carnivore gnawing on the proximal end. Chopped longitudinal
386	0	Sheep/Goat	Mandible	R	N	Y	Y	Y	Y	Y	N	N	X	X	N	N	N	N	N	N	N	Y	X	3	1	46	
386	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	2	7	
309	0	Mammal	Cervical	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	E	3	1	27	
309	0	Mammal	Skull	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	14	
309	0	Cattle	Phalanx (I)	L	N	N	Y	Y	Y	Y	Y	Y	U	F	N	N	N	N	N	N	N	N	X	3	1	4	
430	0	Pig	Tooth	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	0	Lower insicor
430	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	Y	N	N	N	X	3	1	0	
307	0	Cattle	Metacarpal	R	Y	Y	Y	Y	N	N	N	N	F	X	N	Y	N	N	N	N	Y	N	X	3	1	85	Chopped and snapped through midshaft
307	0	Cattle	Tibia	L	N	N	N	N	N	N	Y	Y	X	F	N	Y	N	N	N	N	Y	N	X	3	1	59	Chopped through the distal shaft
307	0	Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	15	
307	0	Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	X	3	1	35	Cut and snapped through the blade
357	0	Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	34	

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes	
319	0	Sheep/Goat	Tibia	R	N	N	N	N	Y	Y	Y	Y	X	F	N	N	N	N	N	N	Y	N	X		2	1	23	Hole in the distal end of the shaft, does not extend through, root hole?
319	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	3	11	
369	0	Pig	Humerus	R	N	N	N	N	Y	Y	N	N	X	X	N	Y	N	Y	N	N	N	N	X		3	1	31	Possibly chopped mid-shaft, carnivore gnawing on the distal end
369	0	Sheep/Goat	Femur	L	N	N	Y	N	Y	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	7	
381	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	16	
381	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	2	1	
392	0	Large Mammal	Skull	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	2	30	
392	0	Medium Mammal	Mandible	X	N	N	N	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	1	
423	0	Sheep/Goat	Metatarsal	R	Y	Y	Y	Y	Y	Y	N	N	F	X	N	N	N	N	N	N	Y	N	X		3	1	24	
423	0	Cattle	Tooth	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	19	Upper M3
423	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	2	2	
429	0	Cattle	Tooth	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	Y	X		2	1	28	Lower M3=g
429	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	5	8	
429	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		4	1	2	
350	0	Cattle	Humerus	R	N	N	Y	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	46	
350	0	Medium Mammal	Lumbar	B	N	N	N	N	N	N	N	N	U	F	N	N	N	N	N	N	N	N	X		3	1	14	
350	0	Sheep/Goat	Mandible	L	N	Y	Y	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	Y	X		3	1	33	
367	0	Pig	Fibula	R	N	N	Y	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	3	
390	0	Cattle	Tooth	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	15	Upper M2

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390	0	Medium Mammal	Carpal/Tarsal I	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	2	
390	0	Medium Mammal	Humerus	L	Y	N	N	N	N	N	N	N	F	X	N	N	N	N	N	N	N	N	X		2	1	8	
390	0	Sheep/Goat	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	1	
682	0	Pig	Humerus	R	N	N	Y	Y	Y	Y	N	N	U	U	N	N	N	N	N	N	N	N	X		2	1	3	Infant
682	0	Medium Mammal	Rib	R	N	N	N	N	N	N	N	N	U	X	N	N	N	N	N	N	N	N	X		2	1	2	Infant
682	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	X		2	1	35	Chopped and snapped through the blade
682	0	Cattle	Tooth	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	10	Upper PM
682	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	6	
434	0	Sheep/Goat	Radius	R	N	N	Y	Y	Y	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	12	
434	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	2	12	
434	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	X		2	1	5	cuts on the shaft
434	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	2	2	
306	0	Pig	Humerus	R	N	N	N	N	Y	Y	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	14	
306	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	6	
318	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	2	
387	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	3	
387	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	1	0	Burnt white
198	0	Pig	Skull	B	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	86	
198	0	Cattle	Mandible	R	Y	Y	Y	Y	Y	Y	Y	Y	X	X	N	N	N	N	N	Y	N	N	Y	E	3	1	159	
198	0	Cattle	Mandible	L	Y	Y	Y	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	N	Y	X	3	1	95	
198	0	Pig	Scapula	R	N	Y	Y	Y	Y	Y	N	N	U	X	N	N	N	N	N	N	N	N	X		3	1	12	
198	0	Pig	Ulna	R	N	N	Y	Y	Y	Y	N	N	U	U	N	N	N	N	N	N	N	N	X		2	1	9	
198	0	Pig	Fibula	X	N	N	Y	Y	Y	Y	N	N	U	X	N	N	N	N	N	N	N	N	X		3	1	1	
198	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	2	12	
198	0	Medium Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	3	

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes	
198	0	Large Mammal	Thoracic	B	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	7	
198	0	Large Mammal	Thoracic	B	N	N	N	N	N	N	N	N	F	F	N	N	N	N	N	N	N	N	X		2	1	63	
198	0	Medium Mammal	Cervical	B	N	N	N	N	N	N	N	N	U	U	N	N	N	N	N	N	N	N	E		2	1	23	
198	0	Large Mammal	Thoracic	B	N	N	N	N	N	N	N	N	U	F	N	N	N	N	N	N	N	N	X		2	1	52	
198	0	Cattle	Humerus	L	Y	N	N	N	N	N	N	N	U	X	N	N	N	N	N	N	N	N	X		2	1	9	
198	0	Pig	Scapula	L	N	Y	Y	Y	Y	N	N	N	U	X	N	N	N	N	N	N	N	N	X		3	1	7	
198	0	Medium Mammal	Thoracic	B	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	2	
198	0	Cattle	Scapula	L	N	Y	N	N	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	X		2	1	106	Chopped across neck
198	0	Medium Mammal	Scapula	R	N	N	N	N	N	Y	N	N	X	X	N	N	N	N	Y	N	N	N	X		2	1	9	
198	0	Large Mammal	Mandible	R	N	N	N	N	N	Y	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	39	
3	0	Cattle	Skull	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	Y	N	N	N	X		3	1	216	
198	0	Cattle	Humerus	L	N	N	Y	N	Y	Y	N	N	U	U	N	N	N	N	N	N	N	N	X		3	1	57	
198	0	Cattle	Metacarpal	R	Y	Y	Y	Y	Y	Y	N	N	F	X	N	N	N	N	N	N	N	Y	X		2	1	155	
198	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	2	31	
198	0	Cattle	Skull-zygomatic	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	10	
198	0	Cattle	Scapula	R	N	Y	Y	N	Y	N	N	N	U	X	N	N	N	N	N	N	N	N	E		3	1	39	
198	0	Cattle	Scapula	L	N	N	N	Y	Y	N	N	N	X	X	N	Y	N	N	N	N	N	N	X		3	1	45	trimmed on the blade
198	0	Cattle	Scapula	L	N	N	N	N	N	Y	N	N	X	X	N	Y	N	N	N	N	N	N	X		3	1	37	Cut on the posterior of the blade
176	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	6	
185	0	Sheep/Goat	Hyoid	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		1	1	0	
185	0	Bird	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		1	1	1	
198	0	Cattle	Radius	R	N	N	Y	Y	Y	Y	N	N	U	U	N	N	N	N	N	N	N	N	X		3	1	57	
198	0	Cattle	Metacarpal	L	Y	Y	N	N	N	N	N	N	F	X	N	Y	N	N	N	N	N	Y	X		2	1	70	Chopped and snapped through the proximal shaft

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes
198	0	Cattle	Humerus	R	N	N	Y	Y	Y	Y	Y	Y	U	U	N	N	N	N	N	N	N	N	E	2	1	80	
		Large																									
198	0	Mammal	Thoracic	B	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	11	
198	0	Pig	Astragalus	R	Y	Y	Y	Y	Y	Y	Y	Y	X	X	N	N	N	N	N	N	N	N	X	2	1	6	
198	0	Cattle	Atlas	B	Y	Y	Y	Y	Y	Y	Y	Y	F	U	N	N	N	N	N	N	N	N	X	2	1	29	
198	0	Cattle	Skull- maxilla	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	72	
198	0	Cattle	Skull- occipital	B	N	N	N	N	N	N	N	N	X	X	N	N	N	Y	N	N	N	N	X	3	1	134	Carnivore gnawing on the condyles
198	0	Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	7	
198	0	Mammal	Vertebra	B	N	N	N	N	N	N	N	N	U	U	N	N	N	N	N	N	N	N	X	2	2	9	
198	0	Mammal	Cervical	B	N	N	N	N	N	N	N	N	U	V	N	N	N	N	N	N	N	N	X	2	1	17	
198	0	Mammal	Cervical	B	N	N	N	N	N	N	N	N	V	X	N	N	N	N	N	N	N	N	X	4	1	28	
198	0	Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	2	63	
198	0	Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	4	31	
198	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	3	19	
197	0	Cattle	Mandible	L	N	Y	Y	Y	Y	Y	Y	N	N	X	X	N	N	N	N	N	N	Y	X	3	1	37	
197	0	Pig	Humerus	R	N	N	Y	Y	Y	Y	Y	Y	X	F	N	N	N	Y	N	N	N	N	E	3	1	102	Possible carnivore gnawing on the distal condyle
197	0	Mammal	Innominate	R	N	N	N	N	N	N	N	Y	X	X	N	N	N	N	Y	N	N	N	X	2	1	97	
194	0	Pig	Skull- maxilla	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	13	
194	0	Sheep	Horncore	R	N	N	N	N	Y	Y	Y	Y	X	X	N	Y	N	N	Y	N	N	N	X	3	1	38	Chopped through the base of the horncore for horn removal
194	0	Cattle	Femur	R	N	N	Y	Y	Y	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	69	

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes
194	0	Sheep/Goat	Tibia	L	N	N	N	N	Y	Y	Y	Y	X	F	N	N	N	N	N	N	Y	N	X	3	1	17	
194	0	Sheep/Goat	Tooth	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	11	Upper M3
194	0	Cattle	Tooth	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	27	Upper M2, broken
194	0	Large Mammal	Vertebra	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	2	37	Transverse processes
194	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	6	
194	0	Cattle	Metacarpal	L	N	N	N	N	Y	Y	N	N	X	X	N	Y	N	N	N	N	N	N	X	3	1	54	Chopped and snapped midshaft
194	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	3	38	
194	0	Medium Mammal	Tibia	L	N	N	Y	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	9	
194	0	Medium Mammal	Skull- nasal	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	1	
194	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	2	
194	0	Cattle	Femur	L	Y	N	N	N	N	N	N	N	F	X	N	Y	N	N	N	N	N	N	X	3	1	40	Cuts on the head, next to the fovea
99	0	Pig	Skull	B	N	N	N	N	N	N	N	N	X	X	N	N	N	N	Y	N	N	N	X	3	1	303	Juv, male?
99	0	Cattle	Tibia	R	N	N	N	N	Y	Y	N	N	X	U	N	Y	N	N	N	N	N	N	X	3	1	131	Chopped midshaft
99	0	Goose Size	Phalanx (I)	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	1	
187	0	Cattle	Humerus	L	N	N	N	N	Y	Y	Y	N	X	F	N	N	N	N	N	N	N	N	A	4	1	167	
187	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	Y	N	N	N	N	X	3	1	34	possible carnivore gnawing on the distal blade
187	0	Cattle	Metapodial	X	N	N	N	N	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	E	3	1	50	Midshaft fragment, chopped longitudinally
187	0	Sheep/Goat	Radius	L	N	N	N	N	Y	Y	Y	Y	X	F	N	N	N	N	N	N	Y	N	X	3	1	24	
187	0	Sheep/Goat	Tooth	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	4	Upper molar, broken

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes	
187	0	Cattle	Tooth	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	6	Upper PM	
187	0	Sheep/Goat	Innominate	R	N	N	N	N	N	N	N	Y	N	X	X	N	N	N	N	N	N	N	X	3	1	2		
187	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	18		
187	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	4	2	10		
193	0	Large Mammal	Sacrum	B	N	N	N	N	N	N	N	Y	X	X	N	N	N	N	N	N	N	N	X	3	1	22		
193	0	Sheep/Goat	Metatarsal	L	N	N	Y	N	Y	Y	N	N	X	U	N	N	N	N	N	N	N	N	X	3	1	12		
193	0	Sheep/Goat	Radius	R	N	N	Y	Y	N	Y	N	N	F	X	N	N	N	N	N	N	N	N	X	3	1	19		
193	0	Cattle	Radius	R	N	N	N	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	47		
193	0	Cattle	Metacarpal	L	Y	Y	Y	Y	N	N	N	N	F	X	N	Y	N	N	N	N	N	Y	N	X	3	1	76	Chopped and snapped through the midshaft, cut on the proximal anterior shaft
193	0	Cattle	Metatarsal	R	Y	Y	Y	Y	Y	N	N	N	F	X	N	Y	N	N	N	N	N	Y	N	X	3	1	64	Possibly split longitudinally
193	0	Cattle	Scapula	L	N	N	N	N	Y	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	27		
193	0	Pig	Scapula	R	N	N	Y	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	12		
193	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	3	16		
193	0	Medium Mammal	Vertebra	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	3		
193	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	2	4		
193	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	3		
193	0	Sheep/Goat	Skull- frontal	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	12		
83	0	Medium Mammal	Lumbar	L	N	N	N	N	N	N	N	N	U	U	N	Y	N	N	N	N	N	N	X	3	1	8	chopped through the saggital plane	
83	0	Pig	Tooth	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	5	Broken lower male canine	
83	0	Cattle	Phalanx (I)	R	Y	Y	Y	Y	Y	Y	Y	Y	N	F	F	N	N	N	N	N	N	Y	N	X	3	1	24	
83	0	Sheep/Goat	Radius	R	Y	Y	Y	Y	Y	Y	N	N	F	X	N	N	N	N	N	N	N	Y	N	X	3	1	26	
83	0	Sheep/Goat	Mandible	R	N	Y	Y	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	N	Y	X	2	1	41	

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes	
83	0	Sheep/Goat	Mandible	L	N	Y	Y	Y	Y	Y	Y	Y	X	X	N	N	N	N	N	N	N	Y	X		3	1	64	
83	0	Sheep/Goat	Mandible	R	N	N	Y	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	Y	X		3	1	28	
83	0	Large Mammal	Lumbar	B	N	N	N	N	N	N	N	N	U	U	N	N	N	N	N	N	N	N	X		3	1	27	
83	0	Cattle	Metatarsal	L	Y	Y	Y	Y	N	N	N	N	F	X	N	Y	N	N	N	N	N	N	X		3	1	99	Chopped through the midshaft
83	0	Pig	Humerus	R	N	N	N	N	Y	Y	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	14	
83	0	Cattle	Metapodial	X	N	N	N	N	N	N	N	N	X	U	N	N	N	N	N	N	N	N	X		3	1	13	Single condyle
83	0	Cattle	Ulna	R	N	N	N	Y	Y	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	10	
83	0	Equid	Tooth	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	21	Lower M3?
83	0	Equid	Tooth	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	16	Broken lower dpm
83	0	Equid	Metapodial	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	Y	N	N	N	X		2	1	31	Shaft fragment
83	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	3	38	
83	0	Medium Mammal	Skull	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	4	
83	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	2	5	
83	0	Sheep/Goat	Radius	L	Y	N	Y	N	N	N	N	N	F	X	N	N	N	Y	N	N	N	N	X		3	1	8	possible carnivore gnawing on the proximal end
144	0	Cattle	Scapula	L	Y	Y	Y	N	N	N	N	N	F	X	N	Y	N	N	N	N	Y	N	X		3	1	132	Chopped diagonally through the neck
144	0	Cattle	Astragalus	L	Y	Y	Y	Y	Y	Y	Y	Y	X	X	N	Y	N	N	N	N	Y	N	X		2	1	67	Chopped on the lateral condyle
144	0	Pig	Radius	R	N	N	Y	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	9	
144	0	Large Mammal	Vertebra	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	26	
173	0	Cattle	Innominate	R	N	Y	Y	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	107	
173	0	Cattle	Mandible	L	N	N	Y	N	N	N	N	N	X	X	N	N	N	N	N	N	N	Y	X		3	1	27	



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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes	
173	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	22	
173	0	Sheep/Goat	Tibia	L	N	N	N	N	Y	Y	Y	Y	X	F	N	N	N	Y	N	N	Y	N	X		3	1	13	Carnivore tooth puncture mark in the distal shaft.
173	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	E		3	1	7	
173	0	Sheep/Goat	Skull-zygomatic	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	4	
173	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	9	
81	0	Cattle	Radius	R	Y	Y	Y	Y	Y	Y	N	N	V	X	N	N	N	Y	N	N	N	N	X		2	1	102	Possible carnivore gnawing on the proximal and distal ends
81	0	Cattle	Atlas	X	N	Y	N	N	N	Y	N	Y	X	X	N	N	N	N	N	N	N	N	X		2	1	54	
81	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	2	
116	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	1	
97	0	Pig	Tibia	R	N	N	Y	Y	Y	Y	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	51	
97	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		4	2	8	
124	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	11	
124	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	3	
124	0	Goose	Femur	R	Y	Y	Y	Y	Y	Y	N	N	F	X	N	N	N	N	N	N	Y	N	X		2	1	3	
196	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	20	
196	0	Sheep/Goat	Scapula	L	N	N	N	N	Y	N	Y	N	X	X	N	N	N	N	N	N	N	N	X		3	1	14	
196	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	2	1	
156	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	X		3	1	10	cut on the medial side of the blade
156	0	Bird	Femur	X	N	N	Y	Y	Y	Y	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	2	

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes	
156	0	Medium Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	X		3	1	0	Cut and snapped through the medial blade
165	0	Cattle	Metatarsal	L	Y	N	Y	N	N	N	N	N	F	X	N	Y	N	N	N	N	N	N	X		3	1	23	Chopped longitudinally
130	0	Cattle	Innominate	R	N	Y	Y	N	N	N	N	N	F	X	N	Y	N	N	N	N	N	N	X		3	1	152	Chopped through the acetabulum
130	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	18	
130	0	Sheep/Goat	Radius	L	Y	Y	Y	Y	Y	Y	N	N	F	X	N	N	N	Y	N	N	Y	N	X		3	1	31	possible carnivore gnawing on the distal end
130	0	Cattle	Femur	L	N	N	Y	Y	Y	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	103	
130	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	43	
179	0	Sheep/Goat	Metacarpal	R	Y	N	Y	Y	Y	Y	Y	Y	N	X	F	N	N	N	N	Y	N	N	X		2	1	11	
179	0	Dog	Innominate	L	Y	Y	Y	Y	Y	N	Y	Y	F	X	N	N	N	N	N	N	N	N	X		2	1	23	
179	0	Cattle	Mandible	R	N	N	Y	Y	N	N	N	N	X	X	N	N	N	N	Y	N	N	N	X		2	1	54	
135	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	Y	N	N	Y	N	N	N	X		3	1	37	Chopped and snapped through the blade
135	0	Bird	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	0	
135	0	Sheep/Goat	Tooth	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	3	Upper molar, broken
135	0	Fowl	Carpometacarpus	R	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	N	Y	N	X		3	1	1	
100	0	Medium Mammal	Skull	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	6	
100	0	Cattle	Tooth	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	8	Upper PM
147	0	Sheep/Goat	Tibia	L	N	N	N	N	Y	Y	N	N	X	X	N	N	N	Y	N	N	N	N	X		3	1	12	Possible carnivore gnawing on the distal shaft

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes		
147	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	2	9		
111	0	Sheep/Goat	Skull- maxilla	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	8		
111	0	Medium Mammal	Vertebra	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	2	2		
174	0	Cattle	Skull- frontal	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	17		
174	0	Fowl	Tibio-tarsus	L	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	N	N	Y	N	X		3	1	3	
174	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		4	1	18		
174	0	Cattle	Humerus	R	N	N	N	N	Y	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	8		
174	0	Cattle	Innominate	L	N	N	Y	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		4	1	25		
174	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	2		
86	0	Cattle	Mandible	R	N	N	N	N	N	Y	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	29		
86	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		4	1	4		
86	0	Medium Mammal	Mandible	X	N	N	Y	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	4		
172	0	Sheep/Goat	Innominate	R	Y	Y	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	16		
172	0	Sheep/Goat	Sacrum	R	N	N	N	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	4		
157	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	Y	N	N	X		3	2	28		
157	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	9		
157	0	Cattle	Tooth	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	21	upper M1	
88	0	Large Mammal	Mandible	X	N	N	Y	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	2	20	fragments	
248	0	Pig	Mandible	R	Y	Y	Y	Y	Y	Y	N	N	X	X	N	N	N	N	N	Y	N	N	Y	X		3	1	141	Male
248	0	Pig	Skull- maxilla	B	N	N	N	N	N	N	N	N	X	X	N	N	N	N	Y	N	N	N	X		3	1	116		
248	0	Cattle	Mandible	R	Y	Y	Y	Y	Y	Y	N	N	X	X	N	N	N	N	N	N	N	N	Y	X		3	1	201	
248	0	Medium Mammal	Thoracic	B	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	7		
248	0	Cattle	Axis	L	Y	N	N	N	Y	N	Y	N	F	U	N	Y	N	N	N	N	N	N	X		3	1	83	Chopped through the saggital plane	
248	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	28		

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes	
248	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	23	
248	0	Sheep/Goat	Tibia	L	N	N	N	N	Y	Y	Y	Y	X	X	N	Y	N	N	N	N	Y	N	X		3	1	17	possibly chopped and snapped through the midshaft
248	0	Large Mammal	Vertebra	X	N	N	N	N	N	N	N	N	U	X	N	N	N	N	N	N	N	N	X		3	1	6	
248	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	10	4	
291	0	Cattle	Humerus	R	N	N	Y	N	Y	Y	Y	Y	X	F	N	N	N	N	N	N	Y	N	X		2	1	183	
291	0	Sheep/Goat	Tibia	L	N	N	N	N	Y	Y	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	11	
291	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	2	4	
249	0	Large Mammal	Lumbar	B	N	N	N	N	N	N	N	N	V	V	N	N	N	N	N	N	N	N	X		2	1	203	
249	0	Large Mammal	Lumbar	B	N	N	N	N	N	N	N	N	X	U	N	Y	N	N	N	N	N	N	X		2	1	131	chopped through diagonally
249	0	Large Mammal	Lumbar	B	N	N	N	N	N	N	N	N	V	X	N	N	N	N	N	N	N	N	X		2	1	132	
249	0	Large Mammal	Cervical	L	N	N	N	N	N	N	N	N	U	U	N	Y	N	N	N	N	N	N	X		3	1	58	Chopped through the saggital plane
249	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	X		3	1	42	Chopped and snapped through the blade
249	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	23	
249	0	Cattle	Tibia	L	N	N	N	N	Y	Y	Y	N	X	F	N	N	N	N	N	N	N	N	X		3	1	193	
249	0	Cattle	Innominate	L	N	N	Y	Y	Y	N	Y	Y	F	X	N	Y	N	N	Y	N	N	N	X		3	1	234	Chopped through the illium
249	0	Sheep/Goat	Radius	R	N	N	Y	Y	N	N	N	N	X	X	N	N	N	Y	N	N	N	N	X		3	1	9	Possible carnivore gnawing on the proximal end

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes	
249	0	Large Mammal	Scapula	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	16	Blade fragment
257	0	Pig	Skull- maxilla	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	65	
257	0	Cattle	Metatarsal	R	N	N	N	N	Y	Y	Y	Y	X	F	N	Y	N	N	N	N	Y	N	X		3	1	92	Chopped and snapped through the distal shaft
257	0	Pig	Mandible	L	Y	Y	Y	Y	Y	Y	N	Y	X	X	N	N	N	N	N	N	N	Y	X		3	1	139	Male
257	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	33	
257	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	X		2	1	30	Chopped and snapped through the blade
257	0	Sheep/Goat	Innominate	R	Y	Y	Y	Y	N	N	N	N	U	X	N	N	N	N	N	N	N	N	X		3	1	9	
257	0	Cattle	Tibia	R	N	N	N	N	Y	Y	N	N	X	U	N	Y	N	N	N	N	N	N	X		3	1	182	Chopped and snapped through the midshaft
257	0	Cattle	Radius	L	Y	N	Y	Y	Y	Y	N	N	F	X	N	N	N	N	N	N	N	N	X		3	1	123	
257	0	Cattle	Axis	R	N	Y	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	25	
257	0	Large Mammal	Lumbar	B	N	N	N	N	N	N	N	N	X	U	N	N	N	N	N	N	N	N	X		3	1	94	
257	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	27	
257	0	Cattle	Mandible	R	N	Y	Y	Y	Y	Y	Y	Y	X	X	N	N	N	N	N	N	N	Y	X		2	1	220	
257	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	2	
290	0	Cattle	Metatarsal	R	N	N	Y	Y	Y	Y	N	N	X	X	N	N	N	Y	Y	N	N	N	X		2	1	31	carnivore gnawing on the proximal and distal shaft
290	0	Large Mammal	Scapula	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		4	1	16	Burnt grey/white, blade fragment
290	0	Sheep/Goat	Tooth	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	4	Upper molar
290	0	Sheep/Goat	Humerus	L	N	N	N	N	Y	Y	Y	N	X	F	N	N	N	N	N	N	N	N	X		3	1	17	

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes	
290	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	2	9	
290	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	2	
290	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	1	1	Burnt white
290	0	Cattle	Humerus	L	N	N	N	N	N	N	N	Y	X	X	N	N	Y	N	N	N	N	N	X		4	1	17	Burnt grey/white
287	0	Cattle	Tibia	L	N	N	Y	Y	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		2	1	73	Chopped midshaft
287	0	Medium Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	Y	N	N	N	X		2	1	0	
284	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	1	1	Burnt black
284	0	Large Mammal	Skull	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	Y	N	N	N	X		4	1	25	
284	0	Sheep/Goat	Scapula	R	N	N	N	N	Y	Y	N	Y	X	X	N	N	N	N	N	N	N	N	X		3	1	17	
284	0	Sheep/Goat	Radius	L	N	N	Y	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		4	1	7	
284	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		4	4	19	
284	0	Sheep/Goat	Metatarsal	L	N	N	N	Y	Y	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	1	3	Burnt black/grey
284	0	Medium Mammal	Mandible	X	N	N	N	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	6	
284	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	0	
284	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	2	6	Burnt grey/white
271	0	Fowl	Humerus	R	N	N	Y	Y	Y	Y	N	N	F	X	N	N	N	N	N	N	N	N	X		2	1	4	
199	0	Cattle	Radius	L	Y	Y	Y	Y	Y	Y	N	N	F	X	N	N	N	N	N	N	N	Y	X		3	1	190	
199	0	Cattle	Radius	R	N	N	N	N	Y	Y	Y	Y	X	U	N	N	N	N	N	N	N	N	X		3	1	76	
199	0	Cattle	Ulna	R	N	Y	Y	Y	Y	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	24	
199	0	Large Mammal	Thoracic	B	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	29	
199	0	Cattle	Tooth	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	35	Upper PM
199	0	Large Mammal	Innominate	L	Y	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	44	
199	0	Cattle	Axis	X	N	Y	N	N	N	Y	N	Y	X	X	N	N	N	N	N	N	N	N	X		3	1	37	
199	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	6	

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes
199	0	Cattle	Radius	L	Y	Y	Y	Y	N	N	N	N	F	X	N	Y	N	N	N	N	Y	N	X	2	1	218	Chopped through the ulna, chopped through the midshaft
199	0	Pig	Radius	R	Y	Y	Y	Y	N	Y	N	N	F	X	N	N	N	N	N	Y	Y	N	X	2	1	18	Paired with ulna below
199	0	Pig	Ulna	R	N	Y	Y	Y	Y	Y	N	N	U	X	N	N	N	N	N	Y	N	N	X	2	1	23	Paired with radius above
199	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	E	3	1	19	
199	0	Cattle	Calcaneus	L	N	N	N	N	N	N	N	N	Y	U	X	N	N	N	N	N	N	N	X	3	1	7	
235	0	Equid	Tibia	R	N	N	N	N	N	N	Y	Y	X	U	N	N	N	N	N	N	N	N	X	2	1	35	
229	0	Cattle	Radius	L	Y	Y	Y	Y	N	N	N	N	F	X	N	Y	N	N	N	N	Y	N	R	3	1	212	Chopped and snapped through the proximal shaft
229	0	Sheep/Goat	Tibia	L	N	N	Y	Y	Y	Y	N	Y	X	F	N	N	N	N	Y	N	N	N	X	3	1	38	
229	0	Medium Mammal	Carpal/Tarsal	X	N	N	Y	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	2	
211	0	Large Mammal	Cervical	B	N	N	N	N	N	N	N	N	V	U	N	N	N	N	N	N	N	N	X	2	1	82	
211	0	Cattle	Radius	R	N	N	N	N	Y	Y	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	26	
211	0	Large Mammal	Thoracic	B	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	12	
211	0	Sheep/Goat	Radius	R	N	N	N	N	N	N	Y	Y	X	F	N	N	N	N	N	N	Y	N	X	2	1	10	
211	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	13	
211	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	1	
219	0	Large Mammal	Lumbar	B	N	N	N	N	N	N	N	N	U	U	N	N	N	N	N	N	N	N	X	3	1	79	
219	0	Large Mammal	Lumbar	B	N	N	N	N	N	N	N	N	U	U	N	N	N	N	Y	N	N	N	X	3	1	77	
219	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	1	
208	0	Large Mammal	Lumbar	B	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	24	
208	0	Sheep/Goat	Tibia	L	N	N	Y	Y	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	7	

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes	
275	0	Large Mammal	Tibia	L	Y	N	Y	N	N	N	N	N	F	X	N	N	N	N	Y	N	N	N	X		3	1	91	
293	0	Cattle	Metapodial	R	N	Y	N	N	N	N	N	N	F	X	N	N	N	N	N	N	N	N	X		2	1	17	
293	0	Cattle	Tooth	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	28	Upper M1
293	0	Cattle	Tooth	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	32	Upper M2
293	0	Cattle	Tooth	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	8	Broken lower M1
293	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	13	
285	0	Pig	Phalanx (I)	R	N	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	N	Y	N	X		3	1	7	
285	0	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	3	
247	0	Sheep/Goat	Astragalus	L	Y	Y	Y	Y	Y	Y	Y	Y	X	X	N	N	N	N	N	N	Y	N	X		2	1	8	
280	0	Cattle	Tooth	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	38	Upper M2
280	0	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	6	36	
250	0	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	Y	N	N	N	N	N	N	X		2	1	13	Cut and snapped through the blade
226	0	Large Mammal	Scapula	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	Y	N	N	N	X		3	1	18	blade fragments
231	0	Cattle	Scapula	R	Y	N	Y	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	107	
231	0	Sheep/Goat	Innominate	R	N	Y	Y	Y	Y	N	Y	N	F	X	N	N	N	N	N	N	N	N	X		3	1	15	
210	0	Cattle	Astragalus	L	Y	Y	Y	N	Y	Y	Y	Y	X	X	N	N	N	N	N	N	N	N	X		3	1	58	
227	0	Cattle	Skull	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	Y	N	N	N	X		3	1	55	
227	0	Cattle	Tooth	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	20	Upper M2
227	0	Equid	Carpal/Tarsal	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	24	
245	0	Sheep/Goat	Mandible	R	Y	Y	Y	Y	Y	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	32	
245	0	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	2	9	
11	0	Medium Mammal	Atlas	L	N	N	N	N	N	Y	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	2	5	Burnt black
684	0	Medium Mammal	Vertebra	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	1	1	Burnt white
499	57	Sheep/Goat	Tibia	R	N	N	Y	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	3	
212	19	Pig	Tooth	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	3	Unerupted molar
527	65	Large Mammal	Skull- nasal	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	6	



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527	65	Pig	Metacarpal (III)	L	Y	Y	Y	Y	Y	Y	N	N	F	U	N	N	N	N	N	N	N	N	X		3	1	11	
527	65	Medium Mammal	Thoracic	B	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	6	
527	65	Fish	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	4	0	
527	65	Medium Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	4	
527	65	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	2	
527	65	Dog	Tooth	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	0	incisor
527	65	Dog	Phalanx (II)	X	Y	Y	Y	Y	Y	Y	Y	Y	F	F	N	N	N	N	N	N	N	N	X		3	1	0	
527	65	Bird	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	2	0	
527	65	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	6	0	
527	65	Rodent	Tooth	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	0	Insicor
642	69	Medium Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	1	
187	18	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	1	0	burnt white/grey
187	18	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	2	0	burnt white/grey
187	18	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		4	4	2	
196	20	Medium Mammal	Vertebra	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	2	unfused vertebral ring
196	20	Medium Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	1	0	burnt white/grey
196	20	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	9	1	
196	20	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	1	0	burnt white/grey
196	20	Medium Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		2	1	0	charred black
196	20	Fish	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	3	0	
196	20	Herring	Vertebra	B	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	0	
318	55	Medium Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	1	
318	55	Fish	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	0	
318	55	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	0	
516	60	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	0	
516	60	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	2	0	

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516	60	Fish	Vertebra	B	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	0	
		Medium																									
676	27	Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	2	2	
676	27	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	2	
76	13	Sheep/Goat	Radius	R	N	N	N	N	Y	Y	N	N	X	U	N	Y	N	N	N	N	N	N	X	3	1	19	Cut across the posterior shaft
76	13	Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	0	
76	13	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X	4	1	1	Burnt black
76	13	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	3	1	
76	13	Frog/Toad	Humerus	R	N	N	Y	Y	Y	Y	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	0	
76	13	Rodent	Tooth	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	0	Lower Incisor
76	13	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X	3	1	0	burnt white
197	21	Cattle	Radius	L	Y	Y	Y	Y	Y	Y	N	N	V	U	N	N	N	N	N	Y	N	N	X	2	1	74	Juv
197	21	Cattle	Ulna	L	Y	Y	Y	Y	Y	Y	N	N	U	X	N	N	N	N	N	Y	N	N	X	2	1	25	Juv paired with above
197	21	Cattle	Femur	L	N	N	N	N	Y	Y	N	N	X	X	N	N	N	Y	N	N	N	N	X	2	1	111	Carnivore gnawing on the distal shaft
197	21	Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	2	7	
197	21	Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	3	
197	21	Mammal	Sternum	B	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	7	
197	21	Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X	3	1	3	Burnt black
197	21	Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X	3	1	0	Burnt black
197	21	Pig	Tooth	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	1	Lower incisor
197	21	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	5	1	
137	11	Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	11	
137	11	Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X	3	1	2	burnt black
137	11	Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	2	

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes
137	11	Bird	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X	2	1	0	burnt black
137	11	Fish	Ray	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	0	
137	11	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	2	1	
66	7	Cattle	Calcaneus	L	N	N	N	N	Y	Y	Y	N	U	X	N	N	Y	N	N	N	N	N	X	2	1	10	carnivore gnawing on the main shaft
66	7	Medium Mammal	Femur	X	Y	N	N	N	N	N	N	N	F	X	N	N	N	N	N	N	N	N	X	2	1	1	
66	7	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X	3	2	2	Burnt black
66	7	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	4	3	
66	7	Fish	Vertebra	X	N	N	N	N	N	N	N	N	X	X	N	N	N	Y	N	N	N	N	X	2	1	0	Small crushed on one end
404	38	Cattle	Skull- maxilla	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	Y	N	N	N	X	2	1	10	Charred black
404	38	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X	3	2	3	Charred black
404	38	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X	3	2	8	burnt grey/white
404	38	Large Mammal	Vertebra	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X	3	1	5	burnt grey/white
404	38	Cattle	Phalanx (II)	R	N	Y	N	N	N	N	N	N	F	X	N	N	Y	N	N	N	N	N	X	3	1	4	burnt grey/white
404	38	Large Mammal	Tibia	R	N	N	Y	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X	3	1	8	charred black
404	38	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X	3	3	4	charred black
404	38	Medium Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X	3	2	1	Charred white
404	38	Medium Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X	3	2	0	charred black
404	38	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X	3	3	2	Burnt white
404	38	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X	4	7	0	Burnt white
404	38	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X	3	10	4	charred black
404	38	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X	3	4	5	burnt black/white
198	22	Medium Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	Y	N	N	N	X	3	2	4	Burnt black

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes	
198	22	Large Mammal	Vertebra	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	1	23	Burnt black
198	22	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	5	26	
198	22	Pig	Skull- maxilla	R	N	N	N	N	N	N	N	N	X	X	N	N	N	N	Y	N	N	N	X		3	1	36	
198	22	Medium Mammal	Cervical	B	N	N	N	N	N	N	N	N	U	U	N	N	N	N	N	N	N	N	X		3	1	3	Infant (totally unfused)
198	22	Medium Mammal	Vertebra	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	1	
198	22	Cattle	Carpal/Tarsal	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	3	
198	22	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		4	3	6	Burnt black
198	22	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	5	2	Burnt grey
198	22	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	4	3	Burnt white
198	22	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	1	2	Burnt white
198	22	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	3	8	
68	10	Large Mammal	Skull	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	2	8	
68	10	Large Mammal	Ulna	X	N	N	Y	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	3	
68	10	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	5	1	burnt white
68	10	Cattle	Tooth	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	1	Broken tooth
68	10	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	1	0	Burnt black
68	10	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		4	1	2	Burnt grey
68	10	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		4	3	0	
68	10	Fish	Skull- premaxilla	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	0	
68	10	Fish	Ray	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	2	0	
68	10	Bird	Phalanx (I)	R	Y	Y	Y	Y	Y	Y	Y	Y	U	U	N	N	N	N	N	N	N	N	X		2	1	0	
65	6	Frog/Toad	Urohyal	B	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	0	
65	6	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	2	
65	6	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		4	1	2	Burnt grey

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes	
65	6	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	3	3	
65	6	Medium Mammal	Phalanx (I)	R	N	N	Y	Y	Y	Y	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	1	0	Burnt white
65	6	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	2	0	Burnt grey
65	6	Medium Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	1	0	Burnt grey/white
65	6	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	8	3	
434	53	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	2	
434	53	Micro Mammal	Tibia	L	N	N	Y	Y	Y	Y	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	0	
434	53	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	3	0	
434	53	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	3	0	Burnt white
19	3	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	2	2	Burnt grey
19	3	Pig	Tooth	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	3	Upper PM2
19	3	Cattle	Tooth	L	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	5	Broken upper PM
19	3	Pig	Tooth	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	Y	N	N	N	X		2	1	1	Burnt black, M/PM fragment
19	3	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	2	3	Burnt grey/white
19	3	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	1	
19	3	Sheep/Goat	Calcaneus	R	Y	N	Y	Y	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	1	1	Burnt grey/black
19	3	Medium Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	Y	N	N	N	X		3	1	0	Burnt white
19	3	Large Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	3	2	Burnt white/grey
19	3	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	2	1	Burnt grey
19	3	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	5	2	Burnt grey
19	3	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	1	
19	3	Frog/Toad	Tibio-fibula	X	N	N	Y	Y	Y	Y	N	N	X	X	N	N	N	N	N	N	N	N	X		2	1	0	
682	76	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		2	2	0	

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes
682	76	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X	3	1	0	Burnt black
92	9	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	3	7	
92	9	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X	3	2	3	Burnt brown/black
92	9	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X	3	2	0	burnt white
92	9	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	0	
92	9	Fish	Ray	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X	3	2	0	Partially charred black
674	74	Large Mammal	Tooth	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X	3	1	0	enamel fragment burnt black/white
674	74	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	4	0	
724	77	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	2	1	
724	77	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	0	
724	77	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X	3	1	0	Burnt white
350	32	Medium Mammal	Skull	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	1	
350	32	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	0	
677	70	Medium Mammal	Scapula	L	N	N	N	N	Y	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	10	
677	70	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	2	
677	70	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	3	
677	70	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X	3	1	2	Charred black
677	70	Medium Mammal	Skull	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	1	0	
677	70	Frog/Toad	Innominate	R	Y	Y	Y	Y	Y	Y	Y	Y	X	X	N	N	N	N	N	N	N	N	X	2	1	0	
178	79	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	0	
178	79	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	2	1	0	
116	5	Medium Mammal	Vertebra	X	N	N	N	N	N	N	N	N	U	X	N	N	N	N	N	N	N	N	X	2	1	0	Unfused centrum ring
116	5	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X	3	2	0	

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Context Number	Sample Number	Taxon	Element	Side	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8	Prox	Dist	Path	Butch	Burnt	Gnaw	Fresh Break	Assoc'd	Measured	Tooth Wear	Surface	Condition	No.	(g)	Notes	
709	74	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	3	2	
244	28	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	0	
67	8	Large Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	5	
305	31	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		4	4	2	
305	31	Medium Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	2	0	Burnt black/grey
305	31	Bird	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	Y	N	N	N	X		3	1	0	Burnt white/grey
305	31	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	1	1	Burnt white/grey
305	31	Medium Mammal	Rib	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	2	0	
16	2	Sheep/Goat	Mandible	L	N	N	N	N	N	N	N	Y	N	X	X	N	Y	N	N	N	N	N	X		2	1	2	Burnt black
16	2	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	1	2	Burnt brown
16	2	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	3	1	Burnt grey/white
16	2	Medium Mammal	Long Bone	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	1	0	Burnt white
16	2	Pig	Tooth	X	N	N	N	N	N	N	N	N	X	X	N	N	Y	N	N	N	N	N	X		3	1	1	Burnt black, molar fragment
16	2	Unidentified	Unidentified	X	N	N	N	N	N	N	N	N	X	X	N	N	N	N	N	N	N	N	X		3	5	0	

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Key:

**Codes and references used in cataloguing animal bone**

**Taxon:** Species, family group or size category.

Non-species specific codes: -

- : Equid- Horse Family
- : Gadidae- Cod Family
- : Passer- *Passerine*, Small songbirds i.e. Sparrow or Finches
- : Turdid- *Turdidae*, Blackbird/Thrush family
- : Corvid- *Coridae*, Crow family i.e. Crow, Rook or Jackdaw
- : Galliform- Fowl or Pheasant
- : Large Mammal – Cattle, Horse, Red Deer size
- : Medium Mammal- Sheep/Goat, Pig, Dog, Roe Deer size
- : Small Mammal- Cat, Rabbit size
- : Micro Mammal- Mouse sized
- : Unidentified- Not identified to species

**Element:** Skeletal element represented.

: Unidentified- Not identified to element

**Side:** L-Left, R- Right, B- Both

**Zones:** Records presence/absence of individual areas of the bone.

Based on Zone illustrations in Serjeantson, D, 1996 *The Animal Bones, in Refuse and Disposal at Area 16, East Runnymede: Runnymede Bridge Research Excavations*, Vol. 2, (eds) E S Needham and T Spence, British Museum Press, London.

**Prox & Dist:** Fusion of proximal and distal epiphyses

: X- Not present, F- Fused, U- Unfused, B- Unfused diaphysis and epiphysis present, V- Fusion Line visible.

**Age Range:** Age range based on age at fusion. Based on

Silver, I, A, 1969, *The Ageing of Domestic Animals*, in D. Brothwell and E.S. Higgs, *Science in Archaeology*, Thames and Hudson.

**Path:** Presence of pathology, details in notes column.

**Butch:** Presence of butchery, details in notes column.

**Burnt:** Presence of burning, details in notes column.

**Gnaw:** Presence of gnawing, details in notes column.

**Worked:** Fragment shows evidence of working, details in the notes column.

**Fresh Break:** Fresh break noted, fragments re-fitted as one bone.

**Associated:** Articulating or adjoining bones.

**Measured:** Measurements taken as according to Von den Driesch, A, 1976 *A Guide to the Measurement of Animal Bones from Archaeological Sites*, Peabody Museum.

**Tooth Wear:** Tooth wear score for aging data, taken as according to:

- Grant, A, 1982 'The Use of Tooth Wear as a Guide to the Age of Domestic Ungulates', in B Wilson *et al.* *Ageing and Sexing Animal Bones from Archaeological Sites*, BAR British Series 109, 91-108, Oxford
- Halstead, P, 1985 A Study of Mandibular Teeth from Romano-British Contexts at Maxey, in F Pryor, *Archaeology and Environment in the Lower Welland Valley*, East Anglian Archaeology Report 27:219-224
- Levine, M A, 1982 The Use of Crown Height Measurements and Eruption-Wear Sequences to Age Horse Teeth. In Wilson, B et al. *Ageing and Sexing Animal Bones from Archaeological Sites*. BAR British Series 109. 223 – 250



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- Surface:** Taphonomies noted on the bone surface:  
W- Weathered  
A- Abraded  
R- Rootlet etched  
D- Chemical etching from digestion
- Condition:** Grades 0-5, where 0 = pristine and 5= indicating that the bone had suffered such structural and attritional damage as to make it unrecognisable. Based on Lyman, R L, 1996 *Vertebrate Taphonomy*, Cambridge Manuals in Archaeology, Cambridge University Press, Cambridge
- No.:** Number of individual bones/fragments
- (g):** Weight in grams
- Notes:** Notes on observed taphonomies, differences and associations.

## Appendix 11

### AN ASSESSMENT OF THE PLANT MACROFOSSILS AND OTHER REMAINS FROM LAND OPPOSITE THE VICARAGE, OLD LEAKE, LINCOLNSHIRE (OLV 05)

Val Fryer, Church Farm, Sisland, Loddon, Norwich, Norfolk, NR14 6EF  
February 2007

#### Introduction and method statement

Excavations in Old Leake, to the north-east of Boston, were undertaken by Archaeological Project Services. The work revealed pits, ditches, hearths and other discrete features of Late Saxon (ninth – tenth century) to post medieval (seventeenth century +) date. Samples for the retrieval of the plant macrofossil assemblages were taken from across the excavated area, and fifty were submitted for assessment.

The samples (or sub-samples thereof) were processed by manual water flotation/washover, and the flots were collected in a 500 micron mesh sieve. The flot from sample 33 was seen to contain waterlogged plant remains and was, therefore, stored in water prior to sorting. The remaining assemblages were all air-dried. All flots were scanned under a binocular microscope at magnifications up to x 16, and the plant macrofossils and other remains noted are listed on Tables 1 – 4. Nomenclature within the tables follows Stace (1997). With the exception of sample 33, all plant remains were charred. Modern contaminants including fibrous roots, seeds and arthropods were present throughout.

The non-floating residues were collected in a 1mm mesh sieve and sorted when dry. All artefacts/ecofacts were retained for further specialist analysis.

#### Results of assessment

##### Plant macrofossils

Cereal grains/chaff, seeds of common weeds and wetland plants, and tree/shrub macrofossils were present at varying densities in all but one sample. Preservation was generally poor to moderate, with a high density of the grains and seeds being severely puffed and distorted, probably as a result of combustion at very high temperatures.

Oat (*Avena* sp.), barley (*Hordeum* sp.), rye (*Secale cereale*) and wheat (*Triticum* sp.) grains were recorded, with barley being predominant throughout. Chaff was relatively uncommon, although barley rachis nodes were noted within approximately 50% of the assemblages containing barley grains. Bread wheat (*T. aestivum/compactum*) type rachis nodes were also present within eleven samples, although mostly as single specimens within an assemblage. Other food plant remains occurred less frequently than cereals, but did include both pea (*Pisum sativum*) and bean (*Vicia faba*) seeds.

Weed seeds were generally rare. Most were of common segetal taxa including orache (*Atriplex* sp.), brome (*Bromus* sp.), indeterminate small legumes (Fabaceae) and dock (*Rumex* sp.), although grasses (Poaceae) and grassland herbs including medick/clover/trefoil (*Medicago/Trifolium/Lotus* sp.) and buttercup (*Ranunculus* sp.) were also recorded. The fragmentary sainfoin (*Onobrychis viciifolia*) seed with sample 33 is an unusual occurrence, and the abundance of henbane (*Hyoscyamus niger*) seeds within the same assemblage may be indicative of very nutrient rich conditions.

Seeds/fruits of wetland/aquatic plants occurred within a large number of the assemblages which also contained weed seeds. Taxa noted included sedge (*Carex* sp.), spike rush (*Eleocharis* sp.) and bur-reed (*Sparganium erectum*). Large club-rush (*Bolboschoenus/Schoenoplectus* sp.) fruits were also recorded, although most were very poorly preserved. Only rarely could a surface cell pattern be seen, possibly indicating the presence of bulrush (*Schoenoplectus lacustris*) fruits. Sample 33 was unique in containing waterlogged seeds of salt marsh plants including sea-beet (*Suaeda maritima*) and sea arrow grass (*Triglochin maritima*).

Charcoal/charred wood fragments were present at varying densities throughout along with pieces of charred root/stem and culm nodes/fragments. Other plant macrofossils were rare, but did include

indeterminate inflorescence fragments, thorns and waterlogged moss fronds, the latter within sample 33.

### **Mollusc shells**

Although specific sieving for molluscan remains was not undertaken, small assemblages of terrestrial, freshwater obligate and brackish water shells were recorded from ten samples. A large number were burnt, possibly indicating that they were accidentally introduced to the site whilst attached to plant materials which were later disposed of by burning.

### **Other materials**

The fragments of black porous and tarry material and the vitreous globules, which were present within many of the assemblages studied, were probable residues of the combustion of organic remains (including cereal grains and straw/grass) at very high temperatures. Probable food residues included the fragments of bone, eggshell, fish bone and marine mollusc shell. Small coal fragments, some of which may be intrusive within the contexts, were present throughout.

## **Discussion**

For the purposes of this discussion, samples are ordered by period.

### **Late Saxon and Saxo Norman contexts (Table 1)**

Fifteen samples are from pits, ditches and other features of ninth to twelfth century date. The recovered assemblages are consistent with scatters of mixed refuse, with little or no evidence for the primary deposition of material within any of the features studied. Cereal grains are present throughout, with barley, which is reasonably salt tolerant and therefore ideally suited to cultivation within an area as close to the coast as Old Leake, being predominant. Oats and wheat, including rare rachis nodes of bread wheat type, are also recorded. The overall composition of the assemblages is closely paralleled by contemporary material from sites within the silt fens to the south and west of Old Leake (for example Gosberton, Lincolnshire (Murphy 1993)). The current assemblages appear to comprise material which was probably charred as a result of accidental spillage during culinary preparation and possibly some cereal processing waste in the form of chaff and weed seeds. However, it should be noted that the latter material was often used as kindling or fuel for domestic ovens and hearths and, therefore, may not be indicative of any specific on-site agricultural activity. Indeed, the poor preservation of the remains is consistent with repeated high temperature combustion, as would occur in a controlled domestic environment. Other materials within the assemblages also appear to be derived from domestic detritus and/or hearth waste including the dietary residues and the wetland plant remains, the latter presumably derived from burnt flooring materials or possibly thatch.

### **Medieval contexts (Table 2)**

Although the site continued to be used from the twelfth to the fourteenth centuries, there is little archaeological evidence for any buildings and/or domestic activity, with the recorded contexts comprising pits, ditches and gullies. The original excavation of these features during the medieval period probably disturbed the underlying Saxon deposits and, as a result, the medieval assemblages almost certainly contain an unknown quantity of residual Saxon material. Although broadly similar to the earlier deposits, containing grains, chaff, weed seeds, wetland plant remains and burnt dietary refuse, the density of material recovered from the medieval deposits is generally very low. With the possible exception of pits [027] (sample 2) and [206] (sample 19), there is again little or no evidence for the primary deposition of material within any of the features studied. Sample 33, from a waterlogged fill within pit [344], is of especial note, as a high proportion of the macrofossils within this feature may be derived from plants growing on or near the site during the medieval period. Grassland herbs, wetland plants, colonising weeds and segetal species are all present, possibly indicating that this was a grassland or meadow area adjacent to cultivated fields but probably removed from any main focus of settlement. The abundance of seeds of henbane, a plant which prefers nutrient rich soils and is commonly found in farm yards, may be indicative of either a nearby midden or possibly animal manure. Although salt marsh plants are represented, the density of material recovered is insufficient to be indicative of marine flooding. However, seeds of halophyte species found within other medieval contexts (for example from Norwich, Murphy 1988) have been interpreted as material transported to the site on the feet or within the guts of cattle grazed on salt marshes.

### **Late medieval contexts (Table 3)**

The excavation of quarry pits and the realignment of ditches and gullies during the late medieval period again almost certainly disturbed any earlier deposits, causing an unknown degree of residuality within the assemblages. The site also appears to have been used at this time for the deposition of refuse, either in pits or in amorphous spreads. Probably because of the nature of these deposits, the later medieval samples generally contain a higher density of material than those of the preceding periods. Cereal grains are present throughout, and although barley is still predominant, wheat occurs more frequently than previously. This may indicate that the cereals utilised on site were being imported from a wider catchment, including areas of heavier soils, which were more suitable for the cultivation of wheat. Pulses, including both peas and beans, are also more common, as are seeds of segetal and grassland weeds, fruits/nutlets of wetland plants, charcoal/charred wood fragments and other dietary remains. Although there are few indications of where precisely the material within these assemblages may have originated from, it is almost certainly domestic in nature, including both culinary refuse and/or hearth waste. Of particular interest are the four small assemblages of burnt freshwater mollusc shells within samples 8, 9, 10 and 11 (from pits [084] and [138]). Such material, in conjunction with charred seeds/fruits of wetland/aquatic plants, may be indicative of either burnt flooring materials or, just possibly, burnt peat (cf Murphy 2003).

### **Post-medieval contexts (Table 4)**

Nine samples are from contexts of late medieval to post-medieval (seventeenth century +) date. Although most contain a lower density of material, the assemblages are broadly similar to those from the later medieval contexts, and it would appear most likely that they have a common source.

### **Conclusions and recommendations for further work**

In summary, a high proportion of the recovered assemblages appear to be derived from refuse deposits including such materials as culinary detritus, burnt flooring/roofing, fuel residues and possibly burnt cereal processing waste, although the latter may well be present as a constituent of domestic kindling/fuel. Although the Saxon deposits were almost certainly heavily disturbed by the excavation of pits, ditches and quarries during the medieval and post-medieval periods, it would appear that the earlier assemblages are largely derived from scattered refuse, possibly indicating that the site itself was kept relatively clean at this time. Barley and oats, both of which are well suited to cultivation on the local poor soils, were probably of particular importance to the occupants of the site, although it would appear that meat, fish, eggs and shell fish were also consumed. Flooring and/or roofing materials were probably gathered from plants growing on or near the site. The macrofossils recorded from a single waterlogged context suggest that the area may have been largely pastoral, although the presence of nearby cultivated ground is indicated by the occurrence of segetal weed seeds.

By the later medieval period the area appears to have been used, at least partly, for a dump and although the material still appears to be largely domestic in origin, the precise source is unknown.

As the assemblages are mostly very small (most being <0.1 litres in volume), and as much of the material is very poorly preserved, further analysis is not recommended. However, a written summary of this assessment should be included within any publication of data from the site.

## **References**

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## **Key to Tables**

x = 1 – 10 specimens    xx = 10 – 50 specimens    xxx = 50 – 100 specimens    xxxx = 100+ specimens  
cf = compare    coty = cotyledon    sil = siliqua    fg = fragment    b = burnt    ss = sub-sample  
pmc = possible modern contaminant    w = waterlogged    B.slot = beam slot

Sample No.	70	72	68	73	78	69	15	28	64	67	74	75	76	5	4
Context No.	644	646	562	674	674	642	179	244	584	530	709	684	682	116	O28
Feature No.	645	645	503	673	673	641	178	246	585	529	708	681	681	O49	O29
Feature type	Pit	Pit	Ditch	Ditch	B.slot	Pit	Ditch	Ditch	Ditch	Ditch	Ditch	Ditch	Ditch	Gully	Pit
Phase	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5
<b>Cereals and other food plants</b>															
<i>Avena</i> sp. (grains)	x		x	xx	xcf	x	x	x	x		x	x		xcf	x
(floret bases)					x										
Large Fabaceae indert.				xcotyfg	xcotyfg										
<i>Hordeum</i> sp. (grains)	xx	x	x	xx	x	x	x	xcf		x	x			x	xx
(rachis nodes)	x			x										x	xcf
<i>Hordeum/Secale cereale</i> type (rachis nodes)						x									
<i>H. vulgare</i> L. (asymmetrical lateral grains)				x											
<i>Triticum</i> sp. (grains)				x	x		x	x		x				x	x
<i>T. aestivum/compactum</i> type (rachis nodes)	x						x								
Cereal indet. (grains)	xxx	x	x	xx	xxx	x	xx	x	x	x	x	x	x	xxx	xxx
(basal rachis node)														x	
<b>Herbs</b>															
<i>Anthemis cotula</i> L.												x			
Brassicaceae indet.				x					x						
<i>Bromus</i> sp.															xcf
Chenopodiaceae indet.	x									x		x		x	x
Fabaceae indet.				x											x
Large Poaceae indet.					x				x		x				
<i>Rumex</i> sp.					x										
<i>Rumex/Carex</i> sp.									x						
<b>Wetland/aquatic plants</b>															
<i>Bolboschoenus/Schoenoplectus</i> sp.			x	x											
<i>Carex</i> sp.						x									x
<i>Sparganium erectum</i> L.					x				x						
<b>Tree/shrub macrofossils</b>															
<i>Corylus avellana</i> L.			x												
<i>Prunus</i> sp. (fruit stone fgs.									x						
<b>Other plant macrofossils</b>															
Charcoal <2mm	x	x	xx	xx	xxx	x	xx	xx	xx	x	xx	xx	x	xxx	x
Charcoal >2mm	x	x	x	xx	xx		x	x	x	x	x		x	x	x
Charred root/stem	x		x	x			x			x	x		x	x	x
Indet.culm nodes				x	x									x	
Indet.seeds				x			x								
<b>Other materials</b>															
Black porous 'cokey' material	xx	xx		xx	xx	x	x	x	x	x	xx	x		x	xx
Black tarry material		xx		x	x	xxx	x	x	x	x	xx				
Bone		x	x		x		x xb	x xb					x	x	x
Burnt/fired clay		x			x								x	x	
Eggshell				x			x		x					x xb	
Fish bone	x		x				x		x		x		xb	xb	x xb
Marine mollusc shell	x													x	xx
Mineralised soil concretions			x									xxxx			
Small coal frags.	x	xx			xx	xx	x	x		xx	xx	x		x	xx
Small mammal/amphibian bone	x	x	xx			x				x				x	x
Vitrified material	x	x		x					x	x				x	x
Sample volume (litres)	20ss	20ss	20	20ss	20	20	20	20ss	20ss	20	20ss	4	20ss	20ss	20ss
Volume of flot (litres)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
% flot sorted	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Table 1. Charred plant macrofossils and other remains from the Late Saxon and Saxo-Norman pits, ditches and other features, Old Leake, Lincolnshire.

Sample No.	2	19	26	33	36	77	52	57	59	60	66	77
Context No.	O16	212	253	345	357	724	430	499	484	516	525	724
Feature No.	O27	206	252	344	356	723	431	498	481		524	723
Feature type	Pit	Pit	Ditch	Pit	Pit	Gully	Ditch	Pit	Ditch	Pit	Ditch	Gully
<b>Cereals and other food plants</b>												
<i>Avena</i> sp. (grains)	x	xx				x			x		xcf	x
Large Fabaceae indet.		xcotyfg								xcotyfg	xcotyfg	
<i>Hordeum</i> sp. (grains)	xx	xxx			x			x	x	x	x	
(rachis nodes)	xx	x			x					x		
<i>Hordeum/Secale cereale</i> type (rachis nodes)	x											
<i>Secale cereale</i> L. (grain)												x
<i>Triticum</i> sp. (grains)	xx	xcf			x			x		x	x	
<i>T. aestivum/compactum</i> type (rachis node)	x											
Cereal indet. (grains)	xx	xxx	x		x	x		x	x	x	x	x
(basal rachis nodes)	x				x							
(detached embryos)	x											
(detached sprouts)	x											
<b>Herbs</b>												
<i>Agrostemma githago</i> L.	x											
<i>Anthemis cotula</i> L.	x			xw								
<i>Atriplex</i> sp.		x		xw								
Brassicaceae indet.	x										x	
<i>Carduus</i> sp.				xw								
Chenopodiaceae indet.	x			xw								
<i>Conium maculatum</i> L.				xw								
Fabaceae indet.	x							x		x		
<i>Hyoscyamus niger</i> L.				xxw								
<i>Malva</i> sp.				xw								
<i>Medicago/Trifolium/Lotus</i> sp.	x											
<i>Onobrychis vicifolia</i> Scop.				xfgw								
Small Poaceae indet.	x											
Large Poaceae indet.	x	x					x					
Polygonaceae indet.		x										
<i>R. acris/repens/bulbosus</i>				xw								
<i>R. parviflorus</i>				xw								
<i>Rumex</i> sp.	x	x		xw								
<i>Solanum nigrum</i> L.				xw								
<i>Spergula arvensis</i> L.	x			xxw								
<i>Thalictrum flavum</i> L.				xw								
<i>Torilis japonica</i> (Houtt)DC				xxw								
<b>Wetland/aquatic plants</b>												
<i>Bolboschoenus/Schoenoplectus</i> sp.	x	x		xxw						x		
<i>Carex</i> sp.	x											
<i>Eleocharis</i> sp.	x							x				
<i>Juncus</i> sp.	x											
<i>Montia fontana</i> L.		x										
<i>Ranunculus</i> subg. <i>Batrachium</i> (DC)A.Gray				xw								
<i>Sparganium erectum</i> L.										x		
<b>Tree/shrub macrofossils</b>												
<i>Corylus avellana</i> L.											xcf	
<i>Prunus</i> sp. (fruit stone fg.)								x				
<i>Rubus</i> sp.	xcf											
<b>Salt marsh plants</b>												
<i>Suaeda maritima</i> (L.)Dumort				xw								
<i>Triglochin maritima</i> L.				xw								
<b>Other plant macrofossils</b>												
Charcoal <2mm	xxx	xxx	xx	x	xx	xx	x	xx	xx	xxx	xx	xx
Charcoal >2mm		x		x	xx			xx	x	xxx		
Charred root/stem	x	x						x	x			
Indet.culm nodes	xxx	x			x					x		
Indet.moss				xw								
Indet.seeds	x		x	xw								
Waterlogged root/stem				xx								
<b>Mollusc shells</b>												
<b>Freshwater species</b>												
<i>Anisus leucostoma</i>	xb											
<i>Bathyomphalus contortus</i>	xb											
<i>Bithynia</i> sp.	xxb											
<i>Lymnaea</i> sp.	xb											
<i>V. piscinalis</i>	xb											
<b>Brackish water species</b>												
<i>Hydrobia ulvae</i>		x xb										
<b>Other materials</b>												
Black porous 'cokey' material	x	x		x		x	x			x	x	x
Black tarry material	xx		x	x		x		x		x		x
Bone	xb	xb						x		x xb		
Burnt/fired clay	xx											
Eggshell	x xb	x						x		xx xb		
Fish bone	xx xb	x		x	x					x	x	
Marine mollusc shell	xb	x						x		x		
Small coal frags.			xx			x	x	x		x		x
Small mammal/amphibian bone	x							x		x		
Vitrified material	xx	x								x		
<b>Sample volume (litres)</b>	<b>20ss</b>	<b>20</b>	<b>20ss</b>	<b>20ss</b>	<b>20ss</b>	<b>20ss</b>	<b>20ss</b>	<b>20ss</b>	<b>10ss</b>	<b>20ss</b>	<b>20</b>	<b>20ss</b>
<b>Volume of flot (litres)</b>	<b>0.2</b>	<b>&lt;0.1</b>	<b>&lt;0.1</b>	<b>0.2</b>	<b>&lt;0.1</b>	<b>&lt;0.1</b>	<b>&lt;0.1</b>	<b>&lt;0.1</b>	<b>&lt;0.1</b>	<b>&lt;0.1</b>	<b>&lt;0.1</b>	<b>&lt;0.1</b>
<b>% flot sorted</b>	<b>50%</b>	<b>100%</b>	<b>100%</b>	<b>50%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

Table 2. Charred plant macrofossils and other remains from the Phase 6 medieval (13th - 15th century) contexts, Old Leake, Lincolnshire.

Sample No.	3	6	7	8	9	10	11	13	18	31	32	38	54	55	65	
Context No.	O19	O65	O66	O67	O92	O68	137	O76	187	305	350	404	316	318	527	
Feature No.	O18	O84	O84	O84	O84	O84	136	O77	186	304	351	396	315	315	526	
Feature type	B.slot	Pit	Pit	Pit	Pit	Pit	Pit	Gully	Pit	Pit	Pit	Pit	Ditch	Ditch	Pit	
<b>Cereals and other food plants</b>																
<i>Avena</i> sp. (grains)	x				xcf		xx				xcf	xcf		xx	x	
Large Fabaceae indet.	xcotyfg	xcotyfg			xxcotyfg	xcotyfg	xcotyfg								xcotyfg	
<i>Hordeum</i> sp. (grains)	x	x	x	x	x	xx	xx	x		x		x		xxx	x	
(rachis nodes)						xx	x	x				xcf				
<i>Hordeum/Secale cereale</i> type (rachis nodes)										x						
<i>Pisum sativum</i> L.	xcf				x	xcf										
<i>Secale cereale</i> L. (grain)														x		
<i>Triticum</i> sp. (grains)	x				x	x	xx	x	x		xcf	x		x	x	
<i>T. aestivum/compactum</i> type (rachis node)					x	x	x	x	x	x	x	x				
Cereal indet. (grains)	xx	xcf			x	xx	xxx	xx	x	x	xx	x	x		x	
<i>Vicia faba</i> L.														x	xcf	
<b>Herbs</b>																
Apiaceae indet.								x								
Asteraceae indet.							x	x								
<i>Atriplex</i> sp.	x				x											
Brassicaceae indet.														x	x	
<i>Bromus</i> sp.	x						x		x		x					
Caryophyllaceae indet.							x									
Chenopodiaceae indet.							x									
<i>Cirsium</i> sp.										xcf						
Fabaceae indet.	x						x				x			x	x	
<i>Fallopia convolvulus</i> (L.)A.Love							xtf									
<i>Galium aparine</i> L.	x				x	x	x					x		x	x	
<i>Linum usitatissimum</i> L.						xcf		x								
<i>Medicago/Trifolium/Lotus</i> sp.				x	x	x										
<i>Plantago lanceolata</i> L.						x	x									
Small Poaceae indet.	x				x							x				
Large Poaceae indet.							x	x	x	x						
<i>Polygonum aviculare</i> L.	x						x			x						
<i>Ranunculus</i> sp.	x				x	xcf				x						
<i>R. acris/repens/bulbosus</i>										x						
<i>Raphanus raphanistrum</i> L.					xsilfg		xsilfg							x	x	
<i>Rumex</i> sp.		x		x			x									
<i>Solanum nigrum</i> L.											x					
<i>Vicia/Lathyrus</i> sp.							x									
<b>Wetland/aquatic plants</b>																
<i>Bolboschoenus/Schoenoplectus</i> sp.				x		x	x		x	xx		xx	x	x	x	
<i>Carex</i> sp.	x	x	x	x	x	x	x			xx		xx		x	x	
<i>Eleocharis</i> sp.	x			x	x	x	x									
<i>Sparganium erectum</i> L.					x		xcf	x		x		x				
<b>Other plant macrofossils</b>																
Charcoal <2mm	xx	xx	x	xxx	xxx	xxx	xxx	x	x	x	x	xxx	x	xxx	xxxx	
Charcoal >2mm		x	x	xxx	xxx	xxx	xx	x	x	x	x	xxx		xx	xxx	
Charred root/stem		xx	x	x	xx	xx	x	x	x	xxxx		xx	x	x	x	
Indet.culm nodes	xx	x	x		x	xx	xx		x	x	x	x			xx	
Indet.seeds	x	x		x	x	x	x	x				x		x		
<b>Mollusc shells</b>																
<b>Freshwater species</b>																
<i>Anisus leucostoma</i>				x	xxb	xb	x	xb	xb							
<i>Armiger crista</i>					xb	xb	x									
<i>Bathymphalus contortus</i>							xb	xb								
<i>Billynia</i> sp.		xb			xb			xb								
<i>Hippuris complanata</i>								x								
<i>L. glabra</i>					xcfb											
<i>Planorbis corneus</i>								xb								
<i>Valvata cristata</i>					xb		x	xb								
<b>Brackish water species</b>																
<i>Hydrobia ulvae</i>				x	xb											
<b>Other materials</b>																
Black porous 'cokey' material	xxx	xxx	xxx	xxx	xxx		xx	xx	x	x		x		xx		
Black tarry material	xxx	xxx	xxx	xxx	xxx		xx	xxx	xx	x	x	xx			x	
Bone		x	xb							xb		xb				
Burnt/fired clay		x			x		x							x		
Eggshell		xb	x	x								x	xb			
Fish bone	xx	xb	x	xx	x	x	x	xb	x	x	x			x	x	
Marine mollusc shell																
Small coal frags.	xxx	xxx	xxx	x	xx	x	xx	xx	x			x			x	
Small mammal/amphibian bone	xx	xb	x				x	xpmc	x	xb				x	x	
Vitrified material	x	x	x		x	xx	xx	x	x			x	x	xx	x	
Sample volume (litres)	20	20	20	20	40	20	20	20	20	20	20	20	20	20	20	
Volume of flot (litres)	0.1	0.1	0.2	0.2	0.4	0.2	0.1	<0.1	<0.1	0.2	<0.1	0.2	<0.1	<0.1	<0.1	
% flot sorted	100%	100%	50%	50%	25%	50%	100%	100%	100%	50%	100%	50%	100%	100%	100%	

Table 3. Charred plant macrofossils and other remains from the Late Medieval (Phase 7) contexts, Old Leake, Lincolnshire.



Sample No.	20	21	22	41	44	47	49	53	62
Context No.	196	197	198	334	332	326	325	434	566
Feature No.	192	192	192	343	343	343	343	433	565
Feature type	Pit	Pit	Pit	Hearth	Hearth	Hearth	Hearth	Pit	Ditch
Phase	8	8	8	8	8	8	8	9	9
<b>Cereals and other food plants</b>									
<i>Avena</i> sp. (grains)		x							
Large Fabaceae indet.	xcotyfg		xcotyfg						xcotyfg
<i>Hordeum</i> sp. (grains)	x	x	x	x		xcf		x	x
(rachis nodes)	x	x	x	x				x	x
<i>Secale cereale</i> L. (grain)			xcf						
<i>Triticum</i> sp. (grains)	x							xcf	
<i>T. aestivum/compactum</i> type (rachis node)	x								
<i>Vicia faba</i> L.									xcf
Cereal indet. (grains)	x	x		x			x	x	x
(basal rachis nodes)		x							
<b>Herbs</b>									
<i>Atriplex</i> sp.									x
Brassicaceae indet.		x							x
Fabaceae indet.	x	x							
<i>Galium aparine</i> L.								x	x
<i>Lithospermum arvense</i> L.				x					
<i>Medicago/Trifolium/Lotus</i> sp.	x	x							x
<i>Plantago lanceolata</i> L.	x		x						
Small Poaceae indet.								x	xx
Large Poaceae indet.	x	x							
<i>Ranunculus acris/repens/bulbosus</i>								x	xx
<i>Rumex</i> sp.								x	x
<b>Wetland/aquatic plants</b>									
<i>Bolboschoenus/Schoenoplectus</i> sp.	x		xx						
<i>Carex</i> sp.	x	x	x	x					x
<i>Eleocharis</i> sp.	x	x	x						
<i>Ranunculus flammula</i> L.	x								x
<i>Sparganium erectum</i> L.							x		x
<b>Other plant macrofossils</b>									
Charcoal <2mm	xxxx	xx	xx	xxx	x	xx	xx	xx	xxx
Charcoal >2mm	xx	x	x	xx		x		x	x
Charred root/stem	xx	xxx	xxx			x		x	xx
Indet.culm nodes		xx	xx			x			x
Indet.seeds	x	x		x					x
<b>Mollusc shells</b>									
<b>Freshwater species</b>									
<i>Amiger crista</i>			x						
<i>P. planorbis</i>		x							
<b>Other materials</b>									
Black porous 'cokey' material	xxxx	xx	xx	xx		x	xx	x	xxx
Black tarry material	xxxx	x	x	xx		xx	x	xxx	xxxx
Bone	xb			xx			x		
Burnt/fired clay	x				xxxx		x		
Eggshell	x xb								
Fish bone	x	x	x	x			x		
Marine mollusc shell	xb			x				x	
Small coal frags.	xxx	x	x	x	x	xx	xx	xxx	x
Small mammal/amphibian bone		x							
Vitrified material	xx	x	x				x	x	x
<b>Sample volume (litres)</b>	<b>20</b>	<b>20ss</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20ss</b>
<b>Volume of flot (litres)</b>	<b>0.2</b>	<b>&lt;0.1</b>	<b>&lt;0.1</b>	<b>&lt;0.1</b>	<b>&lt;0.1</b>	<b>&lt;0.a</b>	<b>&lt;0.1</b>	<b>&lt;0.1</b>	<b>0.2</b>
<b>% flot sorted</b>	<b>50%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>50%</b>

Table 4. Charred plant macrofossils and other remains from the Late Medieval/Post-Medieval (Phase 8/9) contexts, Old Leake, Lincolnshire.

## Appendix 12

### Old Leake, Lincolnshire

#### Site visit

The site was visited on Friday 4<sup>th</sup> November. The deposits on the site were studied in section and using an auger and three aspects noted.

Augering in the south western half of the site towards the road revealed a sequence of fine silts and silty clays for a depth of over one metre. In contrast the north eastern half of the site which shows a slight drop in level produced laminated intertidal fine sands, at a depth of approximately 0.7m, beneath fine silts, a thin blue grey silty clay horizon and further silts above. The blue grey silty clay horizon could be recognised in several features but did not appear to extend across the south western part of the site. Although a detailed auger transect was not carried out across the site these sequences appear to suggest that the slightly lower northern part of the site is infilled with tidal and saltmarsh sediments that lie against a raised silty clay bank in the south western half. The latter might well be equated with an area of slightly higher ground upon which the Church was built, and presumably any Saxon and later medieval settlement was focussed. Whether the laminated sediments identified beneath the north eastern half of the site relate to a former tidal creek across this part of the site or merely marked the margins of the intertidal mudflats at some time in the past was not established. Neither was it established whether these sediments were laid down during a post-Roman marine incursion or an earlier pre-Roman event. A sherd of Romano-British pottery from the site suggests that there may have been some activity nearby in the Roman period but at what level is unknown. One of the auger holes in the south western half of the site produced deposits that suggest that there may have been another archaeological horizon buried beneath silts but whether this was actually in a feature or on the undisturbed silt bank could not be established at the time. If the latter it might indicate an earlier, perhaps Roman, sequence beneath the Saxon activity and post-Roman marine silts, although this was not recognised in the sides of any of the cut Saxon and medieval features.

At the south eastern corner of the site a fine ‘orange’ sand appeared to blanket some archaeological deposits. This appeared to be up to about 0.2m deep in section and was truncated by the ploughsoil. Although discontinuous the deposit could be followed for some metres along the southern section of the site, was cut by a large post-medieval feature, but appeared again on the west side of this feature and across a small part of the site in this area. It was not observed in the northern half of the site. The character of this sediment and its horizontal spread suggests that it marks a major marine flood event that blanketed the site with 20 or more centimetres of fine sands (the upper part of the sediment now being incorporated into the ploughsoil). Its survival in the south western half of the site along the edge of the field may have been due to dumping of material over it and the limited damage by ploughing along the field margin. Its absence elsewhere could be attributed to medieval and later ploughing. While its date was not established during the site visit it seems likely that the survival of a beam slot for a Saxon building on the north eastern half of the site and what appears to be an associated spread of pale clayey silt that may derive from slumped mud walls or an earth floor could be due to its burial by these flood deposits. This, if correct, would give both an approximate level for the Saxon ground surface at this location, approximately 1.85m OD, and a date after which the flood must have occurred. There are features in the southern half of the site covered by this ‘flood’ deposit which were not

excavated at the time of the site visit and these may have given a more accurate *terminus post-quem*. In the south eastern corner of the site the ‘flood’ deposit covers a surface at 2.21m OD. The deposit is clearly cut by the large post-medieval feature on the southern edge of the site which indicates that the flood event pre-dates this. It seems likely that this deposit could be correlated with one or more of the documented flood events in the medieval and early post-medieval period.

The approximate Anglo-Saxon ground levels for sites excavated within the Fenland Project (Crowson *et al* 2005) on the silt fens in the Gosberton area are between 2.7 and 3.2m OD, appreciably higher than the 1.85 recorded at Old Leake for the Late Saxon structure. There are no published contemporary levels for Late Saxon activity in Old Leake but it may be that there has been some truncation of the Saxon levels. The ‘flood’ horizon on the other hand reflects the burial of the contemporary ground surface at the time of flooding, clearly indicating that at this time the ground in the south eastern corner of the site was at 2.21m OD, and presumably the land to the north was a little lower, as it is today.

D.James Rackham  
24<sup>th</sup> November 2005

## Appendix 13

### GLOSSARY

<b>Alluvium</b>	Deposits laid down by water. Marine alluvium is deposited by the sea, and fresh water alluvium is laid down by rivers and in lakes.
<b>Context</b>	An archaeological context represents a distinct archaeological event or process. For example, the action of digging a pit creates a context (the cut) as does the process of its subsequent backfill (the fill). Each context encountered during an archaeological investigation is allocated a unique number by the archaeologist and a record sheet detailing the description and interpretation of the context (the context sheet) is created and placed in the site archive. Context numbers are identified within the report text by brackets, <i>e.g.</i> [004].
<b>Cut</b>	A cut refers to the physical action of digging a posthole, pit, ditch, foundation trench, <i>etc.</i> Once the fills of these features are removed during an archaeological investigation the original 'cut' is therefore exposed and subsequently recorded.
<b>Domesday Book</b>	A survey of property ownership in England compiled on the instruction of William I for taxation purposes in 1086 AD.
<b>Fill</b>	Once a feature has been dug it begins to silt up (either slowly or rapidly) or it can be back-filled manually. The soil(s) that become contained by the 'cut' are referred to as its fill(s).
<b>Geophysical Survey</b>	Essentially non-invasive methods of examining below the ground surface by measuring deviations in the physical properties and characteristics of the earth. Techniques include magnetometry and resistivity survey.
<b>Glaciofluvial Drift</b>	Materials (eg, clays, silts, gravels, <i>etc.</i> ) deposited by the combined action of rivers and glaciers, or from streams from glacial ice.
<b>Intrusive</b>	Artefacts of later date found in deposits that must pre-date them are said to be intrusive. Such intrusive artefacts will usually be small and have worked down in the soil through cracks, or by root, worm or rodent action. Intrusive artefacts will generally be isolated and be distinctively later than a larger assemblage of earlier artefacts, for example, a single 19 <sup>th</sup> century pottery fragment found in a large collection of medieval ceramics in a refuse pit.
<b>Layer</b>	A layer is an accumulation of soil or other material that is not contained within a cut
<b>Manuring Scatter</b>	A distribution of artefacts, usually pottery, created by the spreading of manure and domestic refuse from settlements onto arable fields. Such scatters can provide an indication of the extent and period of arable agriculture in the landscape.
<b>Medieval</b>	The Middle Ages, dating from approximately AD 1066-1500.
<b>Natural</b>	Undisturbed deposit(s) of soil or rock which have accumulated without the influence of human activity
<b>Norman</b>	Architectural style current in the 11 <sup>th</sup> -12 <sup>th</sup> centuries. Also known as Romanesque.
<b>Old English</b>	The language used by the Saxon ( <i>q.v.</i> ) occupants of Britain.
<b>Posthole</b>	The hole cut to take a timber post, usually in an upright position. The hole may have been dug larger than the post and contain soil or stones to support the post. Alternatively, the posthole may have been formed through the process of driving the post into the ground.

<b>Post-medieval</b>	The period following the Middle Ages, dating from approximately AD 1500-1800.
<b>Redeposited</b>	An artefact that is redeposited is one that has been removed in the past from its original place of deposition. Redeposition can introduce earlier artefacts into later deposits, ie. medieval or post-medieval ditch or pit digging may have invaded Roman levels, bringing Roman artefacts to the surface. When the medieval/post-medieval features are infilled the Roman artefacts become incorporated with those deposits; these Roman artefacts are said to be redeposited. If the age differences within an assemblage is not great it is sometimes difficult to determine if an artefact is redeposited or residual.
<b>Romano-British</b>	Pertaining to the period dating from AD 43-410 when the Romans occupied Britain.
<b>Saxon</b>	Pertaining to the period dating from AD 410-1066 when England was largely settled by tribes from northern Germany, Denmark and adjacent areas. The period is subdivided into the Early Saxon, dating from <i>c.</i> 410-650; Middle Saxon dating from 675-850; and Late Saxon from 850-1066.

## Appendix 14

### THE ARCHIVE

The archive consists of:

868	Context records
260	Sheets containing scale drawings (plans and sections)
66	Daily record sheets
16	Photographic record sheets
7	Levels sheets
3	Stratigraphic matrices
25	Box of finds

All primary records are currently kept at:

Archaeological Project Services  
The Old School  
Cameron Street  
Heckington  
Sleaford  
Lincolnshire  
NG34 9RW

The ultimate destination of the project archive is:

The Collection  
Art and Archaeology in Lincolnshire  
Danes Terrace  
Lincoln  
LN2 1LP

The archive will be deposited in accordance with the document titled *Conditions for the Acceptance of Project Archives*, produced by the Lincolnshire City and County Museum.

Lincolnshire City and County Museum Accession Number: 2005.172

Archaeological Project Services Site Code: OLV05

The discussion and comments provided in this report are based on the archaeology revealed during the site investigations. Other archaeological finds and features may exist on the development site but away from the areas exposed during the course of this fieldwork. *Archaeological Project Services* cannot confirm that those areas unexposed are free from archaeology nor that any archaeology present there is of a similar character to that revealed during the current investigation.

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