## ARCHAEOLOGICAL EXCAVATION REPORT

SCCAS REPORT No. 2010/030

## Base Perimeter Road, Mildenhall MNL 600

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## Summary

An archaeological excavation was carried out on land to the north of the runway on RAF Mildenhall, Suffolk. An 8m wide strip was excavated prior to the construction of a new perimeter road. This uncovered evidence of pits and ditches of Iron Age and Roman date, forming possible rectilinear field systems and other intermittant activity. The most substantial level of activity appears to have occurred in the 2nd - 3rd century. The finds and environmental evidence, notably pottery, animal bone and environmental samples, suggests an agrarian site that was not located close to the main settlement. Low levels of natural and man-made intrusions had slightly disturbed the archaeological levels.





## 1. Introduction

An archaeological excavation was carried out in advance of the construction of a new road adjacent to the runway at RAF Mildenhall, Suffolk. The work was carried out to a Brief issued by Judith Plouviez (Suffolk County Council Archaeological Service, Conservation Team), and was funded by MoD Defence Estates USF.

## 2. The excavation

### 2.1 Site location and topography

The site is located at TL 6782 7711, just to the north of the west end of the runway and at between 4.5 and 5 m above the Ordnance Datum. Immediately prior to the evaluation and excavation the site had been managed grassland. It was relatively level with only a slight bank of made-up topsoil at the ENE end of the site, which had been engineered during construction of the existing road. The area slightly overlooks the fenlands to the north-west and west.

### 2.2 Geology

The natural subsoil of the majority of the site was a pale greyish-yellow and mid orange sand. This was root and animal disturbed. Near the west end of the site, this subsoil was replaced by a mixture of chalk and occasional patches of orangish-yellow sand, before returning to yellowish-orange sand at the far west end. The topsoil was a coarse, sandy, mid-dark brown, organic mix. The underlying geology is chalky drift and chalk.

### 2.3 Archaeological and historical background

The site was located close to various areas of prehistoric, Roman and Saxon interest (Fig. 1). One of the largest of these was MNL 532, which is c. 100 m to the north (Brooks/Tester, in preparation). This excavation revealed Bronze Age finds, Iron Age and Roman burials, features and finds, and a Saxon sunken-feature building. The occupation levels on this site also continued into MNL 479 (Caruth, 1996). Two other nearby sites have also produced
archaeology, with Iron Age settlement and burials, and Roman activity and burials at MNL 491 and Roman activity and peat filled hollows at MNL 524. A large assemblage of finds dating from the Bronze Age to Anglo-Saxon periods, but particularly of Roman date, some of which suggest a religious function (HER ref MSF8976), has been recovered from close to the site (MNL 142). Further away, MNL 405 produced prehistoric and Roman finds, whilst MNL 301 and 403 had Neolithic, Bronze Age (specifically Beaker) and Iron Age pottery and flint scatters. Approximately 225 m south of the excavation, metal-detecting at MNL 339 uncovered Bronze Age finds and a dense Roman finds scatter. As well as these excavations and findspots, work on Mildenhall airbase and the surrounding area has revealed a complex and extensive network of prehistoric, Roman and Saxon archaeological remains in general. This suggests complex, and at times dense, fen-edge occupation from the Neolithic onwards.

The area is predominantly chalkland, overlooking the nearby fenland to the north-west and west, and sandlands to the east. This would have been a very attractive landscape for early settlers, who could have easily managed the land without the need for the extensive drainage necessary on the fens, or heavy ploughing. Evidence of some of this past occupation is well recorded, including the former Old Way, a cattle droveway that led from Mildenhall town, parallel to the airbase runway and out to the fen edge. Several manorial halls (or the remnants of) and their estates still exist, including Undley Hall, Aspal Hall and Wamill Hall. Various land management techniques have also affected the landscape as it appears today, such as the systematic field drainage systems, (which were most heavily implemented in the 18th century) and extensive ploughing (Various authors, 2008).

An archaeological evaluation was carried out prior to this excavation. This revealed several ditches, a possible posthole, a sealed archaeological layer and other densely-packed archaeological deposits (Tester, 2008). These features were similar in nature to others identified nearby, which are thought to generally be prehistoric, Roman and Saxon.


Figure 1. Site location, shown in red, together with Historic Environment Record entries mentioned in the text in green

## 3. Methodology

The site measured 185m (WSW-ENE) $\times 7 \mathrm{~m}$ (NNW-SSE) at its widest point, with a total area of 380.4 sqm . It was stripped with a mechanical digger equipped with a ditching bucket, which involved the removal of c.0.3-0.4m of topsoil 0001, as well as varying depths of modern overburden at the ENE end of the site. The archaeological levels were then exposed, as well as varying levels of bioturbation and pipe and cable trenches. The features were individually cleaned and excavated by hand. Features were sampled to at least the minimum standards of the specification, with $>10 \%$ of ditches and $50 \%$ or more of pits and other features being hand excavated. Sections were placed to investigate individual features or stratigraphic relationships as necessary. All finds were kept and the exposed surfaces were metal-detected. Environmental bulk samples were taken for flotation when a context was judged to be suitably interpretable and datable, None of the fills were sieved.

The majority of the site was planned using a Total Station Theodolite (TST), located from OS points. However, the more complex expanse of features at the WSW end of the site was planned by hand at 1:20 and located onto the TST plan through a series of planning points. Sections of features and relevant stratigraphy were drawn at 1:20. Digital colour photographs (300 x 300dpi, JPEG format) were taken of all stages of the fieldwork and are included in the archive.

Site data has been input onto an MS Access database and recorded using the County Historic Environment Record (HER) code MNL 600. Bulk finds were washed, marked and quantified, and the resultant data was also entered onto the database. Digital copies of plans and sections have been made.

An OASIS form has been completed for the project (reference no. suffolkc163546) and a digital copy of the report submitted for inclusion on the Archaeology Data Service database (http://ads.ahds.ac.uk/catalogue/library/ greylit). The site archive is kept in the main store of Suffolk County Council Archaeological Service at Bury St Edmunds under HER No. MNL 600.



Figure 3. Plan 1 and sections

## 4. Results

Figures 2-7

### 4.1 Introduction

The site appears to fall into four broad categories of phasing (Fig. 2). The first of these is the later prehistoric, followed by a second phase of late Iron Age and early Roman occupation. The subsequent and most substantial phase covers the 2nd and 3rd centuries and the final phase consists of one 3rd century+ feature. The prehistoric phase features are probably Iron Age, although the low level of diagnostic pottery means that this is not completely certain. Other sites in the vicinity follow this pattern, in terms of the levels and types of occupation throughout these periods. Whilst there was activity across the site throughout the phases, it is worth noting that it may not have been continuous, and conversely that the change from the Iron Age to the Roman period may not have heralded an obvious break or adjustment in occupation.

Ditches were the most common features across the site. Several are likely to be prehistoric, although the majority, including the larger and re-cut ditches are thought to be Roman, partly due to the finds retrieval and stratigraphy, but also because it resembles dated occupation and feature types on other sites around Mildenhall and Lakenheath.

Several pits and postholes were also excavated. Most of these are Roman, although some appear to be earlier, as they are cut by Roman ditches and do not appear to respect the later features. Some of these pits produced datable finds, although most did not, and often these have been dated either through stratigraphy, fill colouration, or through assumptions regarding their use. Many of the contexts recorded as postholes appear to be Roman. However, it is also probable that some of these could be naturally occurring features, as they appear to be prevalent mainly in the chalk subsoil, suggesting geological abnormalities and solution hollows.

Other archaeological feature types were also recorded during the excavation. Several soil layers, all of which were highly leached were encountered, as well as possible, but highly disturbed ill-defined features. Generally these were thought to be prehistoric and have been included in this phase, although there is no definite evidence to suggest they should be and some or all may be the result of disturbance, leaching, or other natural processes.

### 4.2 Phase 1 - Prehistoric, probably Iron Age, features

Six pits from the excavation have been included in this phase. These include 0019, 0100, 0169, 0196, 0207 and 0254, which were located across the site in no obvious pattern. In several cases they were cut by later ditches and often they contained highly leached fills. Four other possible archaeological contexts were also assumed to be prehistoric due to their leached fills and stratigraphy. These features were also more isolated than those in the later periods and this was also assumed to suggest a different phase of activity. These were 0171, 0217, 0228 and 0287.

Pit 0019 (Fig. 4) was on the edge of ditch 0017. It appeared to be oval in plan and measured $0.9 \mathrm{~m}(\mathrm{NW}-\mathrm{SE}) \times 1.25 \mathrm{~m}$ (SW-NE) $\times 0.2 \mathrm{~m}$ deep. The sides were quite concave, with an average slope of $\mathrm{c} .45^{\circ}$, curving round gently to a slightly curved base. It was filled with 0020, which was very dark brown/grey silty sand, as well as occasional charcoal and flint. This contained 10 sherds of Iron Age and prehistoric pottery.

At the far west end of the site was pit 0100 (Fig. 3). This was also oval in plan, and measured 0.4 m (SW-NE) $\times 0.2 \mathrm{~m}$ (SE-NW) $\times 0.1 \mathrm{~m}$ deep. It had a shallow 'U' shaped section with a shallow break of slope, and a smooth break to the concave base. A mid grey/brown silty sand fill was excavated, which contained no inclusions or finds and was recorded as 0101.

Although recorded as a pit, 0169 (Fig. 4) was very poorly defined when excavated. It was cut by ditch 0153 and located within a highly leached spread of material, 0171. It formed an irregular, elongated shape in plan, measuring $>1.4 \mathrm{~m}(S W-N E) \times c .0 .8 \mathrm{~m}(S E-N W) \times 0.35 \mathrm{~m}$ deep. It contained one fill, 0170, which was light grey/yellow silty-sand with rare flint inclusions.

Figure 4. Plan 2 and section


Located to the ESE of pit 0169 and SE of 0019 was pit 0196 (Fig. 4). This was a shallow cut, emerging from the southern limit of excavation. In plan it could have also been the terminus of a ditch, being a truncated oval shape aligned NW-SE. However, its position close to pit 0019 and its similarity in size suggested a pit. It had straight sloped sides before a gradual break of base to the slightly concave/slightly uneven base. Overall it measured 0.87m (SW-NE) $x>1.1 m$ (SE-NW) $\times 0.14 \mathrm{~m}$ deep. Fill 0197 was made up of lenses of mid brown and dark brown/black sand. These were mixed throughout and redeposited natural sands were also present. 6 sherds of fragmentary prehistoric pottery and 3 pieces of heat-altered flint were recovered.

In the northern baulk of the site was pit 0207 (Fig. 4), which was cut by ditch 0198. It appeared to be roughly circular in plan, although very little of the feature was visible. In profile the pit was very similar to pit 0196, with a gradual break of slope at the surface, straight sloped sides, and a gradual break of slope to the slightly sloping base. Although the feature's full dimensions were masked by the baulk and cut away by the ditch, it measured $>1.4 \mathrm{~m}(\mathrm{~W}-\mathrm{E})>1 \mathrm{~m}(\mathrm{~N}-\mathrm{S}) \times 0.2 \mathrm{~m}$ deep. The fill consisted of extremely mixed patches of pale yellow and pale grey silty-sand that was disturbed by bioturbation, but may also indicate several phases of deposition of archaeological and wind-blown material. This was recorded as 0208.

Similar activity was also seen in the stratigraphy of pit 0254 (Fig. 7), near the eastern end of the site and emerging from the southern baulk. In plan the feature was irregular and its profile was also asymmetrical, with sides that were variably sloped. The base was comparatively flat. It measured c. 1.65 m $(E-W) \times 0.5 \mathrm{~m}(N-S) \times 0.52 \mathrm{~m}$ deep. Four fills were excavated from the pit, 0256, 0290, 0255 and 0289, all of which showed signs of leaching and root disturbance and produced no finds. 0256 was the basal fill and consisted of mid greyish-brown silty sand with occasional stones, measuring $1.04 \mathrm{~m}(\mathrm{~W}-\mathrm{E})$ $x 0.28 \mathrm{~m}$ deep. Above this was 0290 . This was a mixture of pale yellow and pale grey sand patches, which were probably wind-blown deposits. It was $0.8 \mathrm{~m}(\mathrm{~W}-\mathrm{E}) \times 0.18 \mathrm{~m}$ deep. Overlying 0290 was a layer of dark silty-sand, 0255, which contained charcoal and occasional stones and was 0.14 m deep.

The uppermost deposit was 0289, which was pale grey silty sand. This also contained occasional small stones and measured $1 \mathrm{~m}(\mathrm{~W}-E) \times 0.16 \mathrm{~m}$ deep. Assessment of the plant macrofossils from fill 0255 suggests that this represented hearth debris and it seems more likely that this pit may have stood open for some time and was filled both naturally and with deliberate rubbish deposits.

The four other contexts that may have been prehistoric consist of 0171, 0217, 0228 and 0287.0171 (Fig. 4) was the poorly defined spread that surrounded pit 0169. It was made up of mid grey sandy-silt and measured c.5.85m (SWNE) $\times$ c. 2 m (SE-NW) $\times \mathrm{c} .0 .12 \mathrm{~m}$ deep. In plan its shape was unclear. Features 0217 and 0287 (Fig. 6) were even more irregular in plan, initially suggesting several heavily leached postholes or small pits. However, during excavation they were hard to define as their fills could not be easily distinguished from the natural, as they were leached pale-mid grey sands. Feature 0217 measured $1.7 \mathrm{~m}(\mathrm{SW}-\mathrm{NE}) \times 0.66 \mathrm{~m}$ (SE-NW) x c. 0.2 m deep, whilst feature 0287 was c. $0.9 \mathrm{~m}(\mathrm{~W}-\mathrm{E}) \times 1.1 \mathrm{~m}(\mathrm{~N}-\mathrm{S})$. Spread 0228 was the most unusual of these features. Again it was a poorly defined area of material, consisting of very pale red sand. However, four slightly darker patches were visible and a section was excavated through these. This revealed that in profile the material was still poorly defined, although the base seemed to have a clear horizon clarity with the yellow sand beneath. This spread was c.6-7m (WSW-ENE) x c. 5 m (SE-NW) x c.0.3m deep. Whether it was a naturally occurring phenomenon is uncertain, although during the excavation it was felt to represent several areas of possible burning, which may have been associated with the burnt material in pit 0254.

### 4.3 Phase 2 - Late Iron Age/Early Roman features

This phase consists of approximately 16 narrow ditches, including several recuts. These were spread across the western half of the site, often crossing each other or meeting at right angles, and they were usually filled with middark brown and grey silty-sand. Sometimes they curved slightly in plan and they were sometimes clearly cut by the later and often larger ditches and pits. One ditch from this phase, 0212/0281, was found near the eastern end of the site.

Ditch 0005 (Fig. 3) was located at the far west end of the site. It was aligned SW-NE and was cut by ditch 0007 in plan and in segment 0004. In profile it had a diffuse and smooth break of base and break of slope, coming to a slightly concave base. It was 0.5 m wide (SE-NW) and 0.2 m deep, and was filled with 0006, which was mid-dark brownish-grey silty sand, mixed with redeposited natural and no inclusions.

At a perpendicular angle to 0005 was ditch 0015 (Fig. 3). This was also cut by ditch 0007, but cut pit 0100. This ditch had a sharp and steep break of slope, and an abrupt break of base, which was rounded/concave and narrow. Fill 0016 was a coarse, mid-dark brownish-grey sandy-silt, with no finds or inclusions.

Two more relatively small ditches, 0057 and 0059 (Fig. 3), were on a broadly similar alignment to ditches 0005 and 0015. Ditch 0057 had an abrupt break of slope at the surface, concave sides, curving gradually to a flat base, and measured 0.6 m wide (SW-NE) $\times 0.3 \mathrm{~m}$ deep. It was aligned NW-SE. Fills 0058, 0094 and 0099 were all mid-dark brownish-grey silty-sand, with the latter producing one sherd of Roman pottery. Although the junction is truncated by Phase 3 activity, it is thought that 0057 would have run into 0059, where it seems to end. The profile of 0059 shows a ditch with a gradual break of slope at the surface and slightly concave sides, which curve rapidly to a flat base. Fills 0060 and 0106 were mid-dark greyish-brown sand-silt mixes with frequent small chalk and flint inclusions, with 0106 producing Roman and prehistoric pottery.

Running SSE-NNW across the site and originally excavated as two features, 0070 and 0074 (Fig. 3), was another ditch, with slightly concave sides, and concave base. However in many parts of the feature the profile was rather irregular, perhaps as result of difficulties posed by digging into solid chalk. Several segments were dug through it, although only two revealed any relationships, with 0180 showing that ditch 0282 cut 0070/0074. Segment 0078 was initially thought to show 0074 cutting pit 0116, although in postexcavation it seems more likely that the 0116 cut 0074 . In each segment the
feature only ever contained one identifiable fill and this was invariably recorded as a mid grey, or mid brownish-grey, silty-sand. A mixture of Roman, and abraded fragmentary prehistoric pottery was recovered.

Immediately west of 0070/0074 was another possible ditch, 0067 (Fig. 3). It ran SSW-NNE from the southern edge of the site and terminated soon afterwards. It had sloping sides that curved to a slightly irregular base. It was c. 0.05 m deep $\times$ c. 0.7 m wide ( $\mathrm{E}-\mathrm{W}$ ). Because of its depth and unusual profile, it is possible that this was actually a natural, rather than an archaeological feature, and indicated an undulation in the chalk.

The largest grouping of Phase 2 activity consisted of several narrow ditches, some of which had been re-cut. The first of these were 0159 and 0163 (Fig. 4). These ran parallel to each other on a SW-NE alignment and probably represent the re-cut of the same feature, terminating near the northern side of the site. Both features were of approximately the same size and profile, with 0159 at 0.4 m wide $\times 0.14 \mathrm{~m}$ deep, and 0163 at 0.35 m wide $\times 0.08 \mathrm{~m}$ deep. Both had gradual breaks of slope, slightly concave sides, curving gradually to a concave base. In segment 0175, 0163 was cut by pit 0166. At the NE end of 0163, it appeared to turn to a NW-SE alignment. It was unclear whether this was the same feature, or even a posthole, or if it was heavily disturbed. To represent this possible change it was numbered as 0177.

Running perpendicular to 0159 and 0163 was another ditch which comprised cuts 0153,0202 and 0204 (Fig. 4). It is likely that 0202 and 0204 were two cuts that made up 0153 after they had crossed 0152. They were aligned NWSE and terminated after crossing 0159, just before reaching the northern limit of the excavation. Ditch 0202 had moderate sloping sides, breaking gradually to a concave base and it measured 0.32 m (SW-NE) $\times 0.11 \mathrm{~m}$ deep. Its only fill was 0203, which was mid-dark grey sand containing no finds. To the north of this was ditch 0204, which had gentle to moderate sloping, slightly concave sides, gradually breaking to a concave base. This was 0.23 m (SW-NE) x 0.07 m deep and filled with mid grey sand 0205. Ditch 0153 ran from the NW edge of ditch 0152. It had moderately sloping sides, slightly concave sides, curving gradually to a concave base and measured 0.45 m (SW-NE) $\times 0.15 \mathrm{~m}$


deep. It was filled with a single fill throughout, numbered as 0156, 0173 and 0174, which was a mid grey silty-sand. Only when recorded as 0168 did the fill vary, where it was recorded as a dark grey-brown silty-sand, although this could represent disturbance with surrounding fills in segment 0172.

Running N from the southern edge of the site was a ditch made up of cuts 0152 and 0187 (Fig. 4), which curved to the NW and ran under the northern limit of excavation. A further possible cut may have run off it, numbered as 0188, although this may also have been an animal disturbance. In general the ditch had slightly concave sides curving gradually to a largely concave base. It varied from between $0.45-0.5 \mathrm{~m}$ wide $\times 0.15-0.2 \mathrm{~m}$ deep. Generally the feature was filled with a mixture of light yellowish-grey to mid grey silty sands. However in one segment a deposit of dark grey/black charcoal, 0157, and silty sand was excavated; this was sampled but no diagnostic remains were identified. Fill 0191 produced a single sherd of prehistoric pottery.

Two ditches, 0051 and 0198 (Fig. 4) ran parallel, SW-NE, aligned with ditch 0293. During excavation it was thought that 0051 may have cut ditch 0017, although there is no clear evidence for this. In profile, 0051 had moderately sloping, slightly concave sides that curved rapidly to an uneven base. It was c. 0.86 wide (NW-SE) x 0.2 m deep. Fills 0053, 0124, 0125, 0126 and 0129 were recorded throughout segments 0052, 0122 and 0128, which were all mid-dark brownish-grey silty-sands, apart from fill 0125, which was a very dark grey silty-sand. Only fill 0053 produced a datable find, which was a sherd of Iron Age pottery. Ditch 0198 had a very similar profile to ditch 0051, with concave sides, that broke gradually at the surface and base. The base was concave, but also uneven, being cut into chalk. It measured c. 0.64 m wide (NW-SE) $\times 0.2 \mathrm{~m}$ deep. It was excavated in segments 0200 and 0206, revealing fills 0199 and 0209, which were mid greyish-brown silty-sand with occasional small flint and chalk inclusions. Neither produced datable material.

Ditch 0221 (Fig. 5) was also assumed to be part of Phase 2. It was clearly cut by ditch 0011 and pit 0225, in segments 0223 and 0227 , respectively. It ran SE-NW into the northern limit of excavation and had concave sides, which curved abruptly from the surface and sloped at $\mathrm{c} .45^{\circ}$, before gradually curving
to the slightly concave base. Where excavated it was 0.8 m wide (SW-NE) x 0.12 m deep and filled with mid grey/brown silty-sand with some redeposited natural patches. Fill 0222 contained one abraded prehistoric pottery sherd and one post-Roman, redeposited sherd. It is not clear whether this feature belonged to Phase 2 or not. Its near perpendicular alignment to ditch 0011 , suggests it may be contemporary. However 0011 clearly cuts ditch 0221, and shows various phases of activity, unlike 0221. Pit 0225, a Phase 3 feature, also clearly cut 0221 in plan and section.

Near the eastern end of the site was ditch 0281 (Fig. 7). It measured c.0.35m wide (SE-NW) and contained pale-mid grey silty-sand. The shape of the feature in section was poorly defined due to disturbance and leaching. The fill and the ditch's dimensions suggest it is probably a Phase 2 feature, although this is uncertain.

### 4.4 Phase 3 - 2nd to 3rd Century Roman features

Within this phase several sub-phases were probably present, although the lack of pottery and clear stratigraphy has not made it possible to understand these effectively. It is thought that this phase represents a general intensification of agricultural practices in the area, with ditches regularly being reexcavated, field systems and enclosures often modified, and pits being dug for chalk extraction. The majority of the activity in this phase is located within the western half of the site, although there is also some at the far eastern end.

The westernmost ditches in this phase are two adjacent cuts 0030 and 0031 (Fig. 3). These were aligned SW-NE and although no relationships were visible, almost certainly represent a cut and re-cut of the same line. Together the two cuts were c. 2 m wide (SE-NW) $\times 0.26 \mathrm{~m}$ deep for 0030 and 0.13 m deep for 0031. Cut 0030 had sloped sides, curving gently to the rounded base. It was filled with 0022, a mid-dark brownish-grey sand, containing flint and animal bone. Excavation of 0031 revealed a cut with shallow, concave sides and a gentle break of slope to the rounded base. It was also filled with middark brownish-grey sand, 0032.

Close to Group 0284 and following the same alignment was ditch 0063 (Fig. 3). It only consisted of one visible cut, with sloped sides, that curved abruptly to a fairly flat/slightly concave base. It appeared to be up to 2.25 m wide (NWSE) in plan, although in segment 0120 it was only $>1.16 \mathrm{~m}$. The feature was c.0.52m deep and filled with dark brownish-grey silt and sand deposits 0064 , 0095 and 0121. These contained chalk and flint inclusions and produced 10 sherds of Roman pottery as well as one sherd of prehistoric pottery.

At some point during its existence it appears that ditch 0063 either curved to an E-W alignment near the southern limit of excavation, or that another ditch following this path was added to it. This was recorded as ditch 0065 (Fig. 3), which appeared to imperceptibly blend with 0063 in segments 0062 and 0120. In profile it had fairly shallow and uneven sloping sides curving gradually to an uneven base, and was 0.55 m wide ( $\mathrm{N}-\mathrm{S}$ ) $\times 0.2 \mathrm{~m}$ deep. It is unclear if this ditch was definitely from Phase 3, as it produced only 2 pieces of Roman pottery from mid grey silty-sand fill 0066, and did not have particularly clear stratigraphy with other features. However, its apparent relationship with ditch 0063 may suggest an association, although this is clearly open to different interpretation.

Ditch 0086 (Fig. 3) ran through ditch 0065, and into and at right angles to ditch 0063, on a NW-SE alignment. It was thought that 0086 cut 0063, although this relationship was not particularly distinct in plan or section. Ditch 0086 was shallow with an undulating, slightly concave base, possibly due to disturbance. Its sides sloped before becoming almost vertical, and it was 0.6 m wide (SW-NE) $\times 0.21 \mathrm{~m}$ deep. Fill 0087 was mid grey silty-sand with occasionat charcoal nodules and stones, and regular iron staining. Although it was uncertain whether this feature was part of Phase 3, it was thought during its excavation that it cut ditches 0063 and 0065, which are from Phase 3.

At least 5 features immediately north-east and east of ditches 0065 and 0086 are clearly from Phase 3 and are thought to represent a cluster of pits. These include 0079, 0096, 0118, 0144 and 0146 (Fig. 3). Although interpreted during excavation as a posthole, 0118 may well actually be a pit, due to its location close to the others. At the surface it had a gradual to sharp break of slope,
with steep, slightly concave sides. These then curved rapidly to a slightly concave base. In plan it was 0.65 m wide (NE-SW) $\times 0.68 \mathrm{~m}$ long (NW-SE), forming a slightly elongated and irregular circle and in section it was 0.46 m deep. No finds were recovered from fill 0119, which was dark brown/grey silty sand with frequent small flint inclusions.

Against the southern baulk of the site were two pits, 0144 and 0146. The largest was 0144, which measured $>0.9 \mathrm{~m}(\mathrm{E}-\mathrm{W}) \mathrm{x}>0.6 \mathrm{~m}(\mathrm{~N}-\mathrm{S}) \mathrm{x}$ at least 0.17 m deep. The profile was quite irregular, but where it survived on the eastern side the slope broke abruptly at the surface, pitched at about $35^{\circ}$, with a concave form. This curved gradually to the base, which in the section was relatively flat. Fill 0145 was light brownish-grey silty-sand with frequent chalk inclusions. Pit 0146 was immediately to the west and measured $0.9 \mathrm{~m}(\mathrm{E}-\mathrm{W}) \mathrm{x}$ $>0.8 \mathrm{~m}(\mathrm{~N}-\mathrm{S}) \times 0.18 \mathrm{~m}$ deep. The profile survived on the western edge of the feature and showed an abrupt break of slope at the surface, and a steep slightly concave edge, that curved gradually to a concave base. The fill was mid brownish-grey silty-sand, with frequent small chalk inclusions and in section it indicated that pit 0146 possibly cut pit 0144.

Immediately north of pit 0144 was 0079. This was the largest pit on the site, measuring 1.2 m wide (NW-SE) $\mathrm{x}>0.45 \mathrm{~m}$ deep. Its full dimensions were unclear because it was located in a large area of poorly defined deposits, although it appears to have ended before the eastern side of segment 0275 where its distinctive stratigraphy is not visible. In section, 0079 had a gradual break of slope at the surface, with sloped, slightly irregular sides, which curved to a slightly concave base. Three fills were identified within the cut. The basal fill, 0080, was mid light pale brownish-grey silty-chalk with no inclusions or finds. Above this was 0081, which was light-mid-brownish-grey sandy-silt, with moderate chalk inclusions and the remnants of a mid 2nd to mid 3rd century pot base, which survived in several fragments. The uppermost fill of 0079 was 0098, a mid-dark brownish-grey silty-sand with occasional chalk inclusions and no finds. Pit 0079 cut pit 0096.

Pit 0096 was less substantial than 0079 and was also cut by it. The dimensions are unclear, although it measured $>1.1 \mathrm{~m}(\mathrm{~N}-\mathrm{S}) \times 0.18 \mathrm{~m}$ deep. Its
profile was also not clearly established, due to the nature of the surrounding deposits and low level disturbance. A single fill, 0097, of mid-dark brownishgrey sandy-silt with chalk inclusions and no finds, was recorded. It was thought to cut ditch 0057.

To the south-west of pits 0079 and 0096, a large spread of mid-dark grey sandy-silt was also recorded but not excavated. Whilst this was probably partly made up of the fill of 0079 and ditches 0057 and 0065, its substantial size also suggests that further indistinguishable pits may have been present in this area. However, segments 0275 and 0276 revealed no definitive evidence for this.

Another cluster of smaller possible pits or postholes was located NE of segment 0276. Several of these were clearly cutfeatures, whilst others may have been naturally formed undulations within the chalk. The largest of these was pit 0116 (Fig. 3), which was $50 \%$ excavated in segment 0078 . Its sides were slightly concave and near vertical, curving rapidly to a flat base and it measured 0.45 m (NNW-SSE) $\times>0.35 \mathrm{~m}$ (WSW-ENE) $\times 0.28 \mathrm{~m}$ deep. A dark brownish-grey silty-sand mix, recorded as 0113 was found in the base, which contained frequent small chalk flecks and occasional small flints. During excavation it was thought that this feature was cut by ditch 0074, although the recorded section indicates that it is more likely that 0116 cuts 0074 . In this case, 0116 contained two fills, with 0075 representing its top fill. Another possible pit was recorded in segment 0078, which was 0082 (Fig. 3). This emerged from the northern side of ditch 0040 and had a gradual break of slope at the surface, and shallow slightly concave sides, curving imperceptibly to a slightly concave base. The feature was 0.45 m wide (E-W) $\times 0.45 \mathrm{~m}(\mathrm{~N}-\mathrm{S})$ $x 0.12 \mathrm{~m}$ deep and was filled with mid brownish-grey silty-sand and frequent small chalk inclusions.

Within segments 0077 and 0142 two other possible pits were excavated, 0137 and 0140. In plan pit 0137 (Fig. 3) was sub-square, whilst in section the sides sloped down steeply, but irregularly, to the very irregular base. Although its size was not entirely revealed, it measured $>0.27 \mathrm{~m}$ (WNW-ESE) $x>0.21 \mathrm{~m}$ (NNE-SSW). Fill 0138 was mid brownish-grey silty-sand with frequent small
chalk inclusions. Directly ESE of 0137, pit 0140 was nearly identical in section and plan, although slightly larger at 0.47 m (SW-NE) $\times 0.41 \mathrm{~m}$ (SE-NW). One fill was excavated, which was mid brownish-grey silty-sand with frequent chalk inclusions, recorded as 0138.

One isolated pit, 0117 (Fig. 3), was thought to be within this phase of activity. In plan it was sub-oval and aligned NW-SE, measuring 0.65 m NW-SE $x$ 0.48 m SW-NE $\times 0.15 \mathrm{~m}$ deep. Its sides broke gradually at the surface to a concave slope that curved to the concave base. A single fill of mid orangishbrown silty-sand with chalk inclusions was excavated as 0115.

Ditch 0297 ran directly through the centre of the small pit group. It comprised two ditch cuts, 0040 and 0104 (Fig. 3), and emerged from the northern limit of the excavation. Curving eastwards to cut ditch 0059, it had an unclear relationship with ditch 0291, which it was also assumed to cut. It then joined ditch 0038, where it either terminated or joined 0038. Where recorded as 0040, the ditch was up to 0.35 m wide $(\mathrm{N}-\mathrm{S})$ and 0.16 m deep, with slightly concave sides, curving to a flat base. Ditch 0104 was irregular, with an undulating base and sides. It was c. 0.26 m deep x up to 2 m wide and filled with various mid-dark brownish-grey silty-sands. Fills 0105, 0143 produced Roman pottery, whilst 0139 produced sherds with a date range from the mid 2nd to mid 3rd century.

Although recorded as a pit during excavation, feature 0038 (Fig. 3) is thought more likely to be a ditch. It aligned N-S, emerged from the northern limit of the excavation and either abruptly terminated, joined ditch 0297, or ran into ditch 0282. Due to the shallow depth of the feature and the disturbed deposits surrounding the feature, it is not clear which is likely to be correct. Excavated in Segment 0042, it had sides that broke gradually from the surface to slightly concave slopes, before curving again to the flat base. At its widest point 0038 was 1.75 m across $(E-W) \times 0.22 \mathrm{~m}$ deep and was filled with mid brownish-grey silty-sand 0039, with frequent chalk inclusions. When excavated it was thought to cut ditch 0297, but the lack of depth means it is hard to be certain of this.

The most substantial feature group within Phase 3 and the site as a whole was made up of ditch 0282. This ran the full width of the site on a SW-NE alignment and consisted of at least 4 cuts - 0043, 0048, 0130 and 0132 (Fig. 3)- within segments 0134 and 0148/0149. Although it was not clear if other cuts were present, 0043 appeared to be the most recent feature, cutting 0048 and probably 0130. Its relationship to 0132 was not visible. Of the four cuts, 0043 also appeared to be the largest. It measured 1.4 m (NW-SE) x 0.56m deep and had a very irregular profile. which suggested that it was possibly two or more cuts, although this was not clear, particularly as it was filled with homogenous mid grey silty-sand with frequent chalk nodules. Ditch 0048 was only visibly partially under 0043, was $>0.8 \mathrm{~m}$ wide (W-E) $\times 0.26 \mathrm{~m}$ deep and had sloped sides that curved gradually to the concave base. This cut contained a mixture of mid grey silty-sand and abundant chalk nodules, the latter making up c.60-70\% of the fill. Ditches 0130 and 0132 were far more irregular and only one fill was clearly deposited within them, 0151, which was a mid brownish-grey silty-sand that contained only occasional chalk flecks, 1 sherd of Roman pottery and 7 sherds of prehistoric pottery. The cuts themselves were highly irregular, which is probably as a result of being cut into sand and chalk. However, the eastern side of 0132 was visible and appeared to slope at c. $45^{\circ}$ before curving abruptly to the highly uneven base. During excavation it was thought that the cumulative widths of 0130 and 0132 totalled 2.94 m (NW-SE) and both were up to 0.4 m deep.

East of ditch 0282 an isolated pit, 0166 (Fig. 4) cut Phase 2 ditch 0163/0293. This feature was oval in plan, thinning slightly to the NE end and aligned SWNE. At is widest point it was 0.7 m across (SE-NW) $\times 1 \mathrm{~m}$ long (SW-NE) $\times 0.1 \mathrm{~m}$ deep. It had slightly concave sides curving gradually to an almost flat base. The fill, 0167 , was dark brownish-grey silty sand with rare flint inclusions.

Running on a NW-SE alignment, perpendicular to ditch 0282, was ditch 0295. In segments 0021, 0025 and 0122 only one cut, 0017 (Fig. 3), was defined. However, in segment 0234, at least 2 cuts were recorded as 0240 and 0245 (Fig. 3). A possible third cut, 0247, was also visible, but this may also have been an earlier pit. Although slightly irregular, whenever cut 0017 was recorded it had slightly concave or convex sides, which curved to a slightly
irregular base SW-NE the ditch measured c. $2.5 \mathrm{~m} \times 0.5 \mathrm{~m}$ deep. Of the cuts visible in segment 0234, 0240 was the largest and may have consisted of several cuts. It was $>4.25 \mathrm{~m}$ wide $(\mathrm{W}-\mathrm{E}) \times 0.48 \mathrm{~m}$ deep with slightly concave sides merging imperceptibly into the slightly concave base. This cut contained at least two fills, the first of which was basal fill 0241, a dark greyish-brown silty-sand with occasional chalk and flint inclusions. Above this, 0244 was a paler mid brownish-grey silty sand, which contained occasional small chalk and flint inclusions and 12 pieces of prehistoric and Roman pottery. Cutting 0240 was 0245 , which measured 2.2 m across (W-E) $\times 0.6 \mathrm{~m}$ deep. The sides broke gradually at the surface, sloped at $\mathrm{c} .30^{\circ}$ and curved to the concave base. Within this cut, several fills were present, which may represent further, poorly-defined phases of the ditch. The basal fill was 0277, which was mid brownish-grey silty-sand that was difficult to distinguish from 0246 and was c.0.16m deep. Above this was 0242, a light-mid brownish-grey silty sand with occasional chalk inclusions that was up to 0.32 m deep. In section this fill appears to form the shape of a ditch cut that has been truncated, although it may also represent an isolated deposit or disturbed material. The top fill, 0246, was mid brownish-grey silty sand with occasional small chalk and flint inclusions. It also appears to possibly indicate a further ditch cut, although the fills were often hard to distinguish. This fill was up to 0.34 m deep and produced prehistoric and Early Roman pottery. Feature 0247 was in the very base of the segment. It was 0.68 m wide (W-E) $\times 0.2 \mathrm{~m}$ deep, with $45-55^{\circ}$ straight sides, curving gradually to a flat base. Fill 0243 was dark grey-brown silty-sand with occasional yellow sand patches.

East of ditch 0295 were two pits from Phase 3. In Segment 0227, pit 0225 (Fig. 5) cut ditch 0221 in plan and section. This was oval in shape, measuring $1 \mathrm{~m}(\mathrm{NW}-\mathrm{SE}) \times 0.9 \mathrm{~m}(\mathrm{NE}-\mathrm{SW}) \times 0.33 \mathrm{~m}$ deep. The sides were steeply sloped and were slightly concave, before curving abruptly to a slightly concave base. The fill, 0226, was a mid-dark brown silty-sand mix, with chalk inclusions. North-east of this was pit 0210 (Fig. 5), an irregular oval cut that measured $1.5 \mathrm{~m}(W N W-E S E) \times 1 \mathrm{~m}($ NNE-SSW $) \times 0.16 \mathrm{~m}$ deep. The WNW end of the pit appeared to be disturbed, sloping at a slightly irregular and slightly concave angle before breaking gradually to the flat base. The ESE side however was almost vertical and broke abruptly to the base. The only fill, 0211, was mid-
dark grey sandy-silt. It was firmly compacted and contained pottery dated to the mid 2nd century onwards. Quern stone and animal bone were also recovered.

Ditch 0011 (Fig. 5) ran on a SW-NE alignment across the site, east of 0210. Segments 0012 and 0223 were excavated, to show the feature's profile and its relationship with ditch 0221 , respectively. It was up to 1.3 m wide (NW-SE) $x 0.35 \mathrm{~m}$ deep. The SE side was slightly concave and steeply sloped, before curving quickly to the flat base. The NW side was less steeply sloped and was slightly convex and curved gradually to the base. In Segment 0223, ditch 0011 had a relatively similar, although more disturbed profile and the NW side had a steeper angled slope. This segment also revealed that the ditch contained many phases of deposition, although these were heavily disturbed.

Approximately at least 8 deposition events werevisible in the SE-NW section, although these were highly disturbed. In segment 0012 only two fills were recorded, dark grey brown sand 0013, and the basal fill of pale grey siltysand, 0298. Fill 0013 produced 2 sherds of Roman pottery. The top fill in segment 0223 was 0235 , which was dark greyish-brown silty-sand with frequent small stones and occasional pale grey sand patches. The thickness varied, although it was up to 0.32 m deep and it was often hard to distinguish from lower fills. Below 0235 was 0236, which was a mixed selection of pale grey and dark grey silty-sand lenses, some of which were well defined and located amid a more homogenous mid grey silty-sand mixture. These layers were all heavily disturbed in places and often isolated. They produced 8 sherds of late 1st to early 2nd century pottery. Two basal deposits were then excavated. Fill 0237 was a thin, mixed yellow, orange and grey silty-sand that produced no finds and contained occasional chalk and frequent small stones. However 0278 was dark grey sand, found as an isolated lens near where ditch 0011 cut ditch 0221.

At the eastern end of the site was ditch 0283. It consisted of 3 identified cuts, 0229, 0260 and 0262 (Fig. 7), identified within segment 0259 and aligned NWSE, although more cuts were probably originally present. Cut 0029 was at least 0.68 m wide (SW-NE) $\times 0.38 \mathrm{~m}$ deep, with slightly convex sides that curved rapidly round to a concave base. It was filled with mid brownish-grey
silty-sand with occasional stones. It produced no finds and was recorded as 0264. The relationship of 0229 to 0260 was very uncertain. However, it was clearthat 0260 was at least 0.55 m wide (SW-NE) $\times 0.34 \mathrm{~m}$ deep and may have originally had a very similar profile to 0229 . Fill 0261, which was recorded in 0260, spread across a large part of the segment and was clearly deposited in more than one cut. This was a disturbed pale-mid grey silty-sand with occasional mid brown patches and occasional small stones. The final cut was 0262. It was much more shallow than the other cuts at c. 0.7 m wide (SWNE) $\times 0.14 \mathrm{~m}$ deep and had slightly concave sides, curving gradually to a concave base. In a similar manner to 0261, fill 0263 was also hard to interpret in section, apparently spreading across to the limits of cut 0260. It consisted of mid grey silty-sand with yellow sand patches and occasional small stones. From segment 0259 one sherd of Roman pottery was recovered, although it was not clear which context.

Emerging from the northern side of 0283 on a SW-NE alignment, ditch 0296 consisted of cuts 0231 and 0248 (Fig. 7). During excavation, 0231 was thought to cut 0283, although this was not clear. Both of the cuts were heavily root disturbed and in one area they were truncated by a modern feature. However where visible, 0231 was 0.2 m wide (SE-NW) $\times 0.08 \mathrm{~m}$ deep and had concave sides that curved to the concave base, although the profile was unclear. Its fill, 0232, was mid-dark greyish-brown silty sand. Cut 0248 was at times larger in plan, at 0.62 m wide (SE-NW), but was only up to 0.13 m deep. It had a very disturbed form, but the sides sloped, were irregular and curved gradually to the uneven base. It was filled with a light-mid grey silty-sand, 0249. Neither ditch produced any datable finds.

### 4.5 Phase 4 - 3rd Century Roman features

Only one feature has been identified as belonging to Phase 4, ditch 0007 (Fig. 3). which produced pottery with an MC2-C3 spotdate. It has been attributed to a later phase as the alignment is N-S which distinguishes it from the Phase 3 features, and it cut features 0005 and 0015. The eastern side had a concave profile but the western side was far more irregular with a form that suggested at least 2 re-cuts. 0007 was 2.4 m wide (E-W) $\times 0.72 \mathrm{~m}$ deep, with a concave base. It is likely to have contained at least 5 fills, although many were
hard to distinguish. Ditch fills were 0033-37 and a further natural deposit, 0056, was recorded in the section. Basal fill 0033 was light-mid brownishorange silty-coarse sand. Above this was 0034, which was light-mid yellowishbrown sand with lenses of mid-light orangish-brown sandy silt. The next fill was 0035, a mid-dark brownish-grey sandy silt. The largest and most recent fill was 0036, which was mid-dark brownish-grey sandy-silt. This produced the 8 sherds of pottery. At the western edge of the section was 0037, a mid yellowish-grey sandy silt that was below 0036, but not stratigraphically related to either 0034 or 0035 .

## 5. The finds and environmental evidence

Cathy Tester

### 5.1 Introduction

Table 1 shows the quantities of finds collected during the excavation. A full quantification by context is included as Appendix 2.

| Find type | No. | Wt/g |
| :--- | ---: | ---: |
| Pottery | 213 | 3359 |
| Stone | 2 | 2408 |
| Worked flint | 25 | 216 |
| Burnt flint/stone | 26 | 239 |
| Copper alloy | 2 | - |
| Iron | 1 |  |
| Animal bone | 304 | 3210 |
| Oyster shell | 1 | 13 |
| Snail | 9 | 6 |
| Charcoal | 1 |  |

Table 1. Finds quantities.

### 5.2 Pottery

## Introduction and methodology

In total, 213 sherds of pottery weighing $3,359 \mathrm{~g}$ were collected from 52 contexts during the excavation. The assemblage ranges in date from prehistoric to post-medieval but the majority of it is Roman. Quantities by period are shown in Table 2 and the full catalogue by context is in (Appendix $3)$.

| Fabric | No | \% No | Wt./g | \% Wt |
| :--- | ---: | ---: | ---: | ---: |
| Prehistoric | 55 | 25.8 | 354 | 10.5 |
| Roman | 156 | 73.2 | 2970 | 88.4 |
| Early Saxon | 1 | 0.5 | 32 | 1.0 |
| Post-medieval | 1 | 0.5 | 3 | 0.1 |
| Total | 213 | 100.0 | 3359 | 100.0 |

Table 2. Pottery quantities by period
The pottery was quantified by count and weight. Hand-made prehistoric wares were recorded using Prehistoric Ceramics research Group guidelines (PCRG 1992) and these were divided into broad fabric groups based on their main visible inclusions. Roman wares were classified using the Pakenham type series (unpublished) which is standard for all SCCAS excavations but is supplemented by Evans' (1991) notes on Horningsea pottery. Roman and post-Roman pottery fabric codes were assigned from the Suffolk Roman and post-Roman fabric series. Forms were noted as they occurred and each sherd family was given a separate entry in the database table and an individual
spotdate when possible. A x10 binocular microscope was used to identify the fabrics. SCCAS pottery recording forms were used and the records were input onto an Access database table.

## Prehistoric pottery

Fifty-five sherds of Iron Age pottery weighing 354 g were recovered from twenty contexts in twenty excavated features, sixteen ditches and four pits. Five fabrics were identified in two broad fabric groups, flint-tempered and sand-tempered. The descriptions and quantities are shown in Table 3.

| Code | Fabric description | No. | Wt/g | \% Wt. |
| :--- | :--- | ---: | ---: | ---: |
| F1 | Common small angular flint (<3mm) moderate rounded sand | 10 | 22 | 6.2 |
| F2 | Common medium angular flint (3-6mm) moderate rounded | 19 | 198 | 55.9 |
|  | sand |  |  |  |
| F3 | Common medium to large (up to 8mm) angular flint moderate | 15 | 97 | 27.4 |
|  | rounded sand |  |  |  |
| F4 | flint and coarse sand sparse organic | 1 | 7 | 1.9 |
| QS1 | Coarse quartz sand | 10 | 30 | 8.4 |
| Total |  | 55 | 354 | 100.0 |

Table 3. Prehistoric fabric quantities

## Fabric and form

The majority of the sherds are flint-tempered (91.5\%, 324g ) and the sherds are predominantly of fabrics F2 and F3 which contain common angular grey and white flint pieces. The only diagnostic form present is a simple curved jar in F2 fabric with a rounded rim, diameter 160mm, found in pit 0019 (0020). Apart from a single fingertip-impressed F2 bodysherd from ditch 0188 (0191), the rest of the sherds are undecorated bodysherds.

Ten sherds are of quartz sand-tempered fabric QS1 (8.5\%, 30g). All are undecorated bodysherds and were found in two later-dated contexts (ditch fills 0108 and 0191).

The high proportion of flint-tempered fabrics is consistent with assemblages of earlier Iron Age date such as those found at Barham and Great Bealings (Martin 1992, 46).

## Deposition

All features contained low amounts of sherds but the higher total proportion ( $59.1 \% 209 \mathrm{~g}$ ) was recovered from four pits while $40.9 \%$ (145g) came from
sixteen ditches. It is notable that the average sherd weight from pits is 11.6 g while that from ditches is 3.9 g , the smaller, more 'broken' sherds reflecting a longer deposition cycle.

Much of the Iron Age pottery appears to be residual within later features.
Twenty-six sherds weighing 100 g ( $28 \%$ ) were recovered from ten features that post-date it. The larger proportion of the pottery, 29 sherds weighing 254 g ( $71.7 \%$ ) was recovered from ten features including all four pits which contained no later dated material. In these, the average sherd weighs 8.75 g while the average residual sherd weighs 3.8 g , again, a reflection of a longer deposition cycle.

## Roman pottery

In total, 156 sherds of Roman pottery weighing 2,970g and with an estimated vessel equivalent (Eve) of 2.02 based on fourteen measureable rims were recovered from 42 contexts. Thirteen fabrics or fabric groups were identified and they include local, regional, provincial and imported finewares and coarsewares but the assemblage is dominated by local and regional coarsewares.

| Fabric | Code | No | \% No | Wt./g | \% Wt | Eve |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| East Gaulish Samian | SAEG | 1 | 0.6 | 126 | 4.2 | 4 |
| Total imported wares |  | 1 | 0.6 | 126 | 4.2 | 4 |
| Black-surfaced wares | BSW | 8 | 5.1 | 41 | 1.4 |  |
| Miscellaneous buff wares | BUF |  | 0.6 | 33 | 1.1 |  |
| Grey micaceous wares (black-surfaced) | GMB | 28 | 17.9 | 284 | 9.6 | 78 |
| Grey micaceous wares (grey-surfaced) | GMG | 21 | 13.5 | 166 | 5.6 |  |
| Grog-tempered wares (Belgic) | GROG | 2 | 1.3 | 13 | 0.4 |  |
| Miscellaneous sandy grey wares | GX | 41 | 26.3 | 701 | 23.6 | 41 |
| Horningsea grey wares | HOG | 38 | 24.4 | 950 | 32.0 | 51 |
| Horningsea grey wares (black surfaced variant) | HOGB | 12 | 7.7 | 473 | 15.9 | 19 |
| Miscellaneous red coarsewares | RX | 1 | 0.6 | 12 | 0.4 | 9 |
| Miscellaneous storage jar fabrics | STOR | 1 | 0.6 | 152 | 5.1 |  |
| Total local and regional coarsewares |  | 153 | 98.1 | 2825 | 95.1 | 198 |
| Nene Valley colour-coated wares | NVC | 1 | 0.6 | 3 | 0.1 |  |
| Nene Valley grey wares | NVG | 1 | 0.6 | 16 | 0.5 | 1 |
| Total late specialist wares |  | 2 | 1.2 | 19 | 0.6 |  |
| Total Roman pottery |  | 156 | 100 | 2970 | 100 | 202 |

Table 4. Roman pottery fabric quantities

## Imported wares

The only imported ware is a single large sherd from an East Gaulish samian (SAEG) bowl, a Dr 31 of late 2nd to mid 3rd century date found in linear feature 0007 (0036).

## Local and regional wares

Coarsewares, mainly of unknown but presumed local or regional origin, make up $98.1 \%$ of the count and $95.1 \%$ of the assemblage weight and are characterised by several broad greyware groups which are typically dominant in rural assemblages from this part of the county.

The earliest are Belgic Grog-tempered sherds (GROG) belonging to the first half of the 1st century AD. Two abraded sherds were identified in fills of ditch 0017 (0026 and 0246) alongside later 1st and 2nd century sherds.

Black surfaced wares (BSW) are represented by 8 bodysherds. Two of them have very 'romanising' fabrics containing fine black grog and burnt material. Most of the sherds are small and abraded but diagnostic sherds from a carinated vessel and an uncertain jar are present.

Micaceous wares in the black (GMB) and grey-surfaced (GMG) variants account for $31.4 \%$ of the count and $15.1 \%$ of the assemblage weight. All of the sherds are in the standard GM fabric with a fine uniform sandy texture and few other inclusions apart from very abundant mica throughout. Micaceous wares are always very common in pottery assemblages from this part of the county and a source in the north of the county is suggested. The nearest known kilns are in the Wattisfield area.

GMB forms identified are jars including a 'Braughing' type jar which is earlier Roman and a 'devolved' butt beaker which is late 1st or early 2nd century. Two less diagnostic jars with rim diameters of 140 mm and 200mm are also present. Three BB1/BB2 style straight-sided bead-rimmed dishes (Type 6.18) which date from the mid 2nd to mid 3rd century were identified. A small dish or bowl (diameter 140 mm ) and a hemispherical flanged bowl similar to samian form $\operatorname{Dr} 38$ were also identified. GMG forms identified are a globular beaker (Type 3.7) which is mid or late 1st to early 2nd century and an uncertain jar. The rest of the GMG sherds are small abraded non-diagnostic bodysherds.

Miscellaneous sandy grey wares (GX) make up $26.3 \%$ of the count and $23.6 \%$ assemblage weight and are nearly the largest single fabric group, but most of the sherds are undiagnostic bodysherds or from uncertain jars. One Type 6.18 bead-rimmed dish of mid 2nd to mid 3rd century date was identified.

Horningsea wares, in the standard grey (HOG) and black-slipped (HOGB) variants are the largest fabric group accounting for nearly a third (32.1\%) of the sherd count, nearly half of the weight (47.9\%) and more than a third (34.6\%) of the assemblage Eves. Horningsea wares are always a significant component of Roman pottery assemblages in the north-west part of the county particularly during its main period of wider distribution from c. the 2nd century onwards, and sometimes earlier because Horningsea can be regarded as a local supplier. Few forms were identified except broadly, but sherds from four large HOG storage jars as, well as standard-sized jars including Evans' Types 18-23 and a 24-29 were found. HOGB is represented by a large storage jar with bands of vertical combing and three bodysherds.

Single sherds of Miscellaneous storage jar (STOR), Miscellaneous buff ware (BUF) and miscellaneous red coarseware (RX) were also found.

## Late specialist wares

Only two sherds of provincially-traded late specialist wares were identified. A single small Nene Valley colour-coated ware (NVC) beaker sherd and Nene Valley Grey Wares (NVG) of probable late 3rd or 4th century date are present.

## Post-Roman pottery

A base sherd from a handmade Early Saxon (5th to 7th century) grasstempered ware (ESO1) vessel with a brown-buff external surface and black core and interior was unstratified (0001). A single small sherd of Surrey White Ware, Tudor Green (SWWT) with a date of 1380-1500 was recovered from ditch 0221 (0222).

## Miscellaneous

### 5.3 Querns

A fragment of Hertfordshire puddingstone weighing 1,808g was recovered from the base of pit 0210 (0211) where it was found with 2nd century Roman pottery. The piece is part of a lower stone from a 'bun-shaped' rotary hand quern which has a diameter of $c .320 \mathrm{~mm}$ and $c .15 \%$ of the total circumference is present. The grinding surface is flat and the non-grinding surface is broken off. Once thought to be an Iron Age development because of the shape, these querns are now thought to date to the 1st century, possibly post-Conquest (Major 2004).

A top stone fragment from a Millstone Grit quern weighing 600g came from the fill of ditches 0048 or 0043 in segment 0148 (0150). It has an outer diameter of $c .410 \mathrm{~mm}$ with $10 \%$ of the full circumference present. The thickness at the edge is 34 mm . The grinding surface is worn smooth and the non-grinding surface is roughly pecked. The piece was found with Romandated pottery and is probably Roman as well.

### 5.4 Flint

Colin Pendleton

## Introduction

Twenty-five pieces of struck flint were collected from eighteen contexts sixteen ditch fills and two pits. Most of the flint is dark grey or black and cortex when present is a creamy off-white. Five pieces are patinated or partially patinated. The flint was recorded by type and descriptive comments about appearance, condition and technology were noted and a date suggested. The flint types are summarised in the table below and descriptions by context are shown in the Appendix 5.

| Type | No. |
| :--- | ---: |
| Core | 3 |
| Multiplatform flake core | 1 |
| Flake | 12 |
| End scraper | 1 |
| Notched flake | 1 |
| Retouched natural | 1 |
| Retouched flake | 4 |
| Utilised flake | 1 |
| Retouched long flake | 1 |
| Total | 25 |

Table 5.Flint types

Four cores are present, one multiplatform flake core (0224), two flakes reutilised as cores (0036 and 0150) and a fragment of natural flint, possibly a simple core (0060). The majority of the flint consists of unmodified flakes which are generally irregular, squat and often hinge-fractured. An ovate end scraper with steep retouch on one end was recovered from ditch 0030 (0022). A notched flake (0150), four retouched flakes (0018, 0071, 139 and 0190), a retouched long flake (0049) and a utilised flake (0081) are also present.

Thirteen pieces were redeposited in contexts with later-dated Roman finds. Seven came from undated contexts and four were found with small amounts of prehistoric (probably Iron Age) pottery. Although the flint is dispersed in a number of contexts, all of it appears to be relatively consistent in nature suggesting contemporaneity.

Apart from two pieces which may be earlier, the end scraper and the reutilised patinated long flake, there is little to suggest a date earlier than Late

Bronze Age or Iron Age for the assemblage. Most of the flint is irregular and hard-hammer struck. Several pieces have cortical platforms indicating little preparation of cores. The presence of pebble cortex and patinated flint suggests the use of surface collected raw material.

### 5.5 Burnt flint

Twenty-six fragments (239g) of burnt flint 'potboiler' with an average weight of 9 g were collected from twelve contexts in eight features, seven ditches and a pit. The material is blue-grey to white and fire crackled and is often an indication of prehistoric activity but there are no concentrations and the amounts from each context is small. It was found in four prehistoric, five Roman and three undated contexts.

### 5.6 Small Finds

Two copper alloy objects and one iron object were recorded as small finds. One is Roman, one possibly Roman and one post-medieval. The objects have been x-rayed and the plate (CX1289) is kept in the site archive.

1. A copper alloy hairpin, Colchester Type 2 possibly dating from early 2 nd to the early 3 rd century. (Crummy 1983, 28). Complete, length 74 mm , circular section consisting of bead/bead/spool/flattened sphere. SF 1002 Unstratified (0001).
2. Thin copper alloy sheet fragment $33 \mathrm{~mm} \times 12 \mathrm{~mm}$, broken at both ends with 5 irregularly spaced rivet holes around edges. One rivet remains in situ. Not closely datable but possibly Roman. SF 1003, ditch 0017.
3. Iron object, corroded and stained green in parts. Semi circular in shape, 16 mm wide with a projecting point 6 mm long. Decorated on one face with punched rosette pattern around the circumference. Post-medieval SF 1001, unstratified (0001)

### 5.7 Animal bone

Michelle Feider

## Introduction

In total, 304 fragments of animal bone, weighing $3,210 \mathrm{~g}$, were recovered from 42 contexts in 25 features, most of them ditches with a smaller number (less than $10 \%$ ) recovered from four pits. The majority of contexts were dated to the Roman period. The overall preservation was reasonable but severe root
marking and some erosion was noted in almost all contexts. The assemblage was also moderately fragmented with only $37 \%$ of it being identifiable to species and the Minimum Number of Individuals (MNI) for all species was very low.

## Methodology

The assemblage was recorded using a modified version of the English Heritage guidelines (Davis 1992). Counts and weights were recorded for each context and the bone was examined to determine species and element and the Number of Identified Specimens (NISP) present in each context. A note was made of any taphonomic effects, butchery marks, pathologies and ageing information. Tooth wear and state of fusion was also noted in order to estimate age, and sides of elements were noted, where possible, to give a clearer picture of Minimum Numbers of Individuals (MNI). No measurements of bones were recorded due to the fragmentary nature of the assemblage and too few complete bones were present to warrant analysis. The data was recorded in a Microsoft Access database for inclusion in the site archive and a list by context is in Appendix 4.

## Results

The species present are summarised in Table 6. All of the major domesticates were represented in the assemblage. The most abundant species was cattle, both in NISP and in MNI, which is typical for rural sites in this part of the county. Both pig and deer were represented by single fragments.

| Species | NISP | MNI | Butchery | Gnawing | Pathology |
| :--- | ---: | ---: | ---: | ---: | ---: |
| Cattle | 91 | 2 | 2 | 1 |  |
| Sheep/goat | 13 | 2 |  | 1 |  |
| Horse | 7 | 1 | 1 |  | 1 |
| Pig | 1 | 1 |  | 1 |  |
| Deer | 1 | 1 |  |  |  |
| Unidentifiable | 191 |  |  |  |  |
| total | 304 |  |  |  |  |

Table 6. Summary of animal bone
As the preservation for this site is reasonable only, and the sample size relatively small, the potential for analysis of this assemblage is limited.

Very few instances of butchery were noted and ones that were, tended to be 'heavier' in nature, for example there was a heavy cut to a horse radius and two chop marks to cattle elements. No fine butchery marks associated with disarticulation or skinning were recorded, however these may have been masked by the presence of extensive root marks and erosion on most of the bones.

Very few of the bones provided ageing information. A single sheep/goat mandible contained teeth that could be aged using Grants (1982) method, and very few unfused bones were recorded. The majority of the long bones were of shafts only, none being complete.

A single instance of pathology was noted for the assemblage and consisted of osteophytic bone growth and splaying of a horse distal phalanx. This may have been due to an infection in the hoof.

Some of the bones exhibited both longitudinal cracking of the cortex and canid gnawing. This, associated with the erosion, could possibly indicate a period of above ground exposure before deposition (Reitz \& Wing 2005).

## Discussion

The majority of the faunal remains were those of the main domesticates, cattle and sheep/goat. Pig and horse were also present although poorly represented. Wild animals were represented by a single deer element. There was extensive root marking and erosion on the bones. This coupled with the longitudinal cracking, indicates weathering, and the presence of gnawing indicates a period of above ground exposure. The root marking and erosion may have affected the observation of fine butchery marks and the levels of canid gnawing in this assemblage.

### 5.8 Shell

One fragment of oyster shell (13g) was collected from ditch 0063 (0064).

Nine snail shells identified as cepea nemoralis, a land snail found in grasslands, hedgerows and woodland were collected from three ditch fills (0063 0262 and 0284).

### 5.9 Plant macrofossils and other remains Val Fryer

## Introduction and method statement

Samples for the retrieval of the plant macrofossil assemblages were taken from a number of ditch and pit fills of probable Roman date, and twelve were submitted for assessment.

The samples were processed by manual water flotation/washover and the flots were collected in a 300 micron mesh sieve. The dried flots were scanned under a binocular microscope at magnifications up to $\times 16$ and the plant macrofossils and other remains noted are listed in Table 1. Nomenclature within the table follows Stace (1997) for the plant macrofossils and Kerney and Cameron (1979) for the molluscs. All plant remains were charred. Modern fibrous roots and seeds were present throughout.

The non-floating residues were collected in a 1 mm mesh sieve and sorted when dry. Any artefacts/ecofacts were retained for further specialist analysis.

### 5.10 Results

Plant macrofossils were exceedingly scarce. The few recorded were generally very poorly preserved, with most grains being puffed and distorted, probably as a result of combustion at very high temperatures. Barley (Hordeum sp.) and wheat (Triticum sp.) grains were noted along with three spelt wheat ( $T$. spelta) glume bases and a single large fragment of hazel (Corylus avellana) nutshell. Charcoal/charred wood fragments were recorded, generally at a low to moderate density, within all assemblages except that from Sample 2 (ditch 0070).

Small assemblages of shells of terrestrial molluscs were noted within all but Sample 5 (ditch 0152). Although some were very pitted and abraded, most were reasonably well preserved and, at the time of writing, it was unclear
whether any were contemporary with the contexts from which the samples were taken. Open country species indicative of dry, short-turfed grassland conditions were predominant, although the occurrence of shells of shade loving and/or marshland species within ditch 0063 (Sample 3) and pit 0210 (Sample 9) may suggest that these features were, at some stage, partially overgrown and at least seasonally damp.

Bone fragments, including a number of burnt and calcined pieces, were present or common within all but Sample 13 (ditch 0011). Other remains occurred infrequently but did include pieces of black porous material, probably derived from the combustion of organic remains (including cereal grains) at very high temperatures, pottery fragments, faecal concretions and a number of very poorly preserved small mammal and amphibian bones.

### 5.11 Conclusions and recommendations for further work

In summary, the few plant macrofossils recorded, including most of the charcoal/charred wood fragments, are almost certainly accidental inclusions within the features, being derived from scattered or wind-blown detritus of unknown origin. The only possible exception to this is the assemblage from Sample 11 (pit 0254), which, although small, is relatively charcoal rich, possibly indicating that it is derived from hearth waste.

Of the few remains recorded, most appear to have been burnt at very high temperatures and this, in addition to the abundance of bone fragments, may suggest that some 'industrial' activity involving both heat and animal products was occurring in the near vicinity. Similar assemblages from later Saxon features at Shipdham, Norfolk (Fryer 2009) were tentatively interpreted as residues from either the rendering of carcasses or tanning.

As none of the current assemblages contain a sufficient density of material for quantification, no further analysis is recommended at this stage. However, a summary of this assessment should be included within any publication of data from the site.

### 5.12 Discussion of the finds and environmental evidence

The excavation produced a large group of finds from 66 contexts which represents activity on this site mainly during the Roman period, with limited activity during the prehistoric and post-Roman periods.

Although the worked flint is dispersed in a number of contexts and much of it is redeposited with later-dated finds, all of it appears to be relatively consistent in nature suggesting contemporaneity. Apart from two possibly earlier pieces, most of the flint is typical of later prehistoric assemblages, with little careful preparation of cores and use of surface-collected raw materials. A date no earlier than Late Bronze Age or Iron Age is suggested.

A small assemblage of Iron Age pottery was recovered from twenty features and was residual in ten of them. Approximately $60 \%$ of it was from features with no later dated finds and $40 \%$ of it was found in later dated contexts. With two exceptions, the assemblage consists of undiagnostic body sherds so is not closely datable. However, more than $90 \%$ of it is flint-tempered with just a few sand-tempered sherds. The high proportion of flint-tempered fabrics is consistent with assemblages of earlier Iron Age date.

The majority of the finds date to the Roman period and although they include earlier and later material, occupation appears to have been most intensive during the 2 nd and 3 rd centuries. Wheel-made Roman pottery ranges in date from the 1 st to 4 th century but most of it is $2 n d$ or 3 rd century. None of the forms and only one of the fabrics that characterise the late and latest Roman period are present in this collection, indicating diminished activity in the later Roman period. The pottery supply is dominated by local and regional coarsewares which include broad greyware fabric groups of unknown but presumed local origin as well as products of known kilns such as those at Horningsea, (13 miles away) which are typically predominant in rural assemblages in this part of the county. Few forms were identified however, as the pottery was mainly derived from ditches and appears to have been through a long deposition cycle.

More than $78 \%$ of the animal bone assemblage was found in association with Roman-dated finds and is probably Roman as well. Preservation is reasonable, but fragmented so just over a third of it was identifiable to species. However, there is nothing amongst the species and elements present to suggest that the assemblage represents anything other than domestic waste.

The plant macrofossil assemblages are very sparse and apart from one possible exception, pit 0254, Phase 1, which may be derived from hearth waste, are almost certainly accidental inclusions within the features and derived from scattered or wind-blown detritus of unknown origin. Of the few remains recorded, most appear to have been burnt at very high temperatures suggesting perhaps that some 'industrial' activity involving both heat and animal products was occurring in the near vicinity.

Post-Roman finds are few and consist of a single unstratified sherd of grasstempered early Saxon pottery (5th-7th century), a sherd of medieval pottery and a post-medieval metal small find. They add little to the interpretation of the site and are likely to have reached the site through casual loss or other low level activity such as manuring.

## 6. Discussion

Despite the consistent levels of bioturbation and occasional truncation from pipe trenches, well-preserved features were found across the site which have been related to four phases of occupation. However, there was very little strong dating evidence and the shape of the site in plan meant that feature relationships could only be investigated in limited instances, notably near the western end of the site. Two of the periods had evidence of field systems and associated activity, which appeared to be later prehistoric to mid-late Roman. Finds evidence also hinted at other prehistoric and possible Saxon occupation, on or near to the site.

Phase 1 represents sporadic possibly prehistoric activity in the form of a series of ill-defined pits and deposits, many of which appear to be leached and irregular and generally have not been dug into the chalk subsoil. In places they were cut by Phase 2 and 3 ditches. They were separated from the later phases as they appeared to represent a less intensive utilisation of the area and were often highly leached/ill-defined, which suggests that they are of some antiquity. It is very possible that these features may also represent an extended period, or periods, of occasional prehistoric activity rather than the controlled land-use that is indicated by the proliferation of ditches. Some of the features may also have formed naturally. There was no indication of the more intensive prehistoric activity seen on nearby sites though, such as the Iron Age pit complex on MNL 532 and the settlement occupation evidence from MNL 479 (Brooks and Tester, in prep., and Caruth, 1996, respectively). This suggests a possible limit to the Iron Age activity found on these sites. However, the stratigraphy of pit 0254 not only indicates local burning activity, the material from which was then deposited in the feature, but also a feature that contained several fills and was left standing open for some time, presumably close to another focus of occupation.

After Phase 1 it is not clear what amount of time, if any, elapsed before the start of Phase 2, which was characterised entirely by narrow ditches. However, the absolute change in activity suggests that a notable period may have passed, suggesting a later Iron Age to early Roman date. These features were usually aligned at perpendicular angles, were occasionally recut and were always shallow with generally light coloured and disturbed fills. Although the alignments are not entirely distinctive from some of the ditches in Phase 3, the characteristics and general lack of pottery from the 2nd century onwards has been used to infer that they are of an earlier phase. Occasionally, clear stratigraphy also suggests this, as do similar sequences on other nearby sites. As such this phase appears to represent a series of coaxial field systems. The low levels of pottery suggest that they may have been located at some distance from the main areas of occupation. Two parallel ditches near the middle of the site also look very similar to the drove-ways often found in this area during later prehistory and the Roman period.

In Phase 3 the site appears to show a distinct intensification of the activity seen in Phase 2 and a probable continuation from this earlier period. This is characterised by much wider, relatively long-standing ditches that had clearly been re-cut on a number of occasions, as well as a series of pits filled with mid-dark silty-sands and occasional pottery deposits, which were often dug into chalk. The exact purpose of the activity is unclear as the patterns are hard to distinguish in such a small area of excavation, but the parallel and perpendicular linear features appear to again suggest rectilinear field systems, which were modified and needed to be re-excavated. The purpose of the pits is less obvious. Some are assigned to this phase because they produced 2nd to 3rd century pottery. However the majority are associated due to their close proximity to other Phase 3 pits, their similar fills, or through stratigraphy. The smaller possible pits may also either be post holes or natural features; although the former explanation is thought to becunlikely as no clear structure patterns were visible and the depths were irregular. One possible explanation for these pits, often closely clustered, is that they represent the exploitation of the chalk subsoil in order to use it for agricultural liming, with the empty features being partially backfilled with refuse. This distinguishes them from the Phase 2 pits, which generally were not dug into chalk and were loosely clustered.

The fourth phase suggests a significant decline in the level of activity on the site, with only one feature present. This was a large ditch, running on a different alignment to the Phase 2 ditches and containing 3rd century+ pottery. As such it did not clearly fit with the earlier phases, although it may simply be a continuation of Phase 2 activity with a realignment of the field systems. Whether or not this phase shows a large gap between Periods 2 and 3 is unclear, but it certainly appears to mark the end of the site's intensive use as no later features were identified, except for modern cuts.

## 7. Conclusions and significance of the fieldwork

This excavation revealed four periods of occupation of later prehistoric and Roman date. The majority of the activity was concentrated in the western
third of the site, focussing on and around the chalk geology, which may have been slightly higher than the surrounding land.

During the prehistoric period the site appeared to have been used sporadically, although the nature of this use is uncertain. The occasional pits and deposits were situated across the whole site and produced little in the way of datable material or anything that would indicate their function, although pit 0254 and layer 0228 may suggest associated burning.

The first evidence of organised land control occurred from the end of the prehistoric or beginning of the Roman period. This is largely made up of a series of co-axial field systems, including a possible droveway, representing farming use, with transient later prehistoric to early Roman ditches being replaced by longer-standing late 1st - 3rd century ditches. In this later phase the activity intensified further with the excavation of several pit clusters, some for refuse and others for chalk extraction, or both. A possible 3rd century phase may show a change in the alignment and general position of the ditch boundaries, as well as a general decrease in the site's use.

The excavation was important in highlighting the extent of the Iron Age and Roman activity in this area, particularly in relation to the previously excavated sites to the north. It seems to suggest that this area was further removed from the focus of the settlement, evidenced by the low finds quantities, areas where no features were present and a dearth of structural features, (although previous work has shown that many of the Roman structures in this area leave little clear evidence on the ground and they can be difficult to identify in small areas). Evidence from this site also contributes to an understanding of the economy of the period in this area, which was based on a mix of arable agriculture and animal husbandry, as suggested by the field systems and possible droveway, and low level of finds.

The presence of only a single possible Anglo-Saxon pottery sherd on the site may suggest that occupation from this period was not present in this immediate locality. However, Saxon occupation is often represented by low levels of material culture, in comparison with the Romans, and the nearby site
at MNL 532 (Brooks and Tester in prep) produced relatively little Saxon material despite a Saxon presence on the site, and it is therefore difficult to draw firm conclusions from this evidence.

However due to the narrow width and small size of the excavated area, and the resulting problems in understanding the layout of the features, any interpretations must be seen as provisional. Uncertainties with the interpretation are compounded by the unclear stratigraphic relationships between features and the broad spot dates recovered from the finds assemblages. As such the phasing is open to interpretation and revision, particularly if further excavation is undertaken in this area in the future.

## 8. Archive deposition

Paper and photographic archive: SCCAS Bury St Edmunds T:\Arc\Archive field projlMildenhall\RAF MNL 600 Base perimeter road
Finds and environmental archive: SCCAS Bury St Edmunds. Store Location: Misc box A-M SS / 11 / 5

## 9. List of contributors and acknowledgements

The excavation was carried out by a number of archaeological staff, (Rob Brooks, Andrew Tester, Andy Beverton, Fiona Gamble, John Duffy, Jonathan Van Jennians and John Sims) all from Suffolk County Council Archaeological Service, Field Team.

The project was directed by Rob Brooks and Andy Beverton, and managed by Andrew Tester, who also provided advice during the production of the report.

The post-excavation was managed by Cathy Tester. Finds processing was carried out by Gemma Adams, and the production of site plans and sections by Gemma Adams and Crane Begg. The specialist finds report was written by Cathy Tester. Other specialist identification and advice was provided by Val

Fryer, Michelle, Feider and Colin Pendleton. The report was checked by Jo Caruth and Richenda Goffin.

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Appendix 1. Context list

| Context | Feature | Group | Segment | Type | $\mathrm{O}^{10}$ | Category |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0001 | 0001 |  |  | Topsöl | $0$ | Layer |
| 0002 | 0002 |  |  | Subsoil |  | Layer |
| 0003 | 0003 |  |  | Natural |  | Layer |
| 0004 | 00050007 | 00050007 | 0004 |  |  | Segment |
| 0005 | 0005 | 0005 | 0004 | Linear |  | Cut |
| 0006 | 0005 | 0005 | 0004 | Linear |  | Fill |
| 0007 | 0007 | 0007 | 00040028 | Linear |  | Cut |
| 0008 | 0007 | 0007 | 0004 | Linear |  | Fill |
| 0009 | 0009 |  |  | Pit |  | Cut |
| 0010 | 0009 |  |  | Pit |  | Fill |
| 0011 | 0011 | 0011 | 00120223 | Ditch |  | Cut |
| 0012 | 0011 | 0011 | 0012 |  |  | Segment |
| 0013 | 0011 | 0011 | 0012 | Ditch |  | Fill |
| 0014 | 00050015 | 00050015 | 0014 |  |  | Segment |
| 0015 | 0015 | 0015 | 0014 | Linear |  | Cut |
| 0016 | 0016 | 0016 | 0014 | Linear |  | Fill |
| 0017 | 0017 | 0295 | 0021 | Ditch |  |  |
| 0018 | 0017 | 0295 | 0021 | Ditch |  | Fill |





Width ( m ) Length ( m ) Depth ( m ) Cuts Cutby Over Under

| Context | Feature | Group | Segment | Type | Category | Description Wid | Width (m) | ength | Depth | Cuts | Cutb | Over Under |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0094 | 0057 | 0057 | 0093 | Linear | $\mathrm{c}^{2}$ | Fill of linear 0057 at segment 0093 . Mid-dark brownish-grey sandy silt (30:70). No inclusions. Moderate compaction. | 0.5 | 8 | 0.3 |  |  |  |
| 0095 | 0063 | 0063 | 0093 | Linear |  | Fill of linear 0063 at segment 0093. Mid dark brownish-grey sandy silt (30:70) with moderate chalk flecking ( $15 \%$ ). 1 rim sherd, probably Roman. | h 2.3 | 6 | 0.3 |  |  |  |
| 0096 | 0096 |  | 0090 | Pit | Cut | circular plan. 'U' section (S-side is truncated) N -side has flared top with a smooth break of slope and break of base. Concave base. Truncated by 0079. Aligned N/A. see 0090 for section. Pit in segment 0090. | A. 0.7 |  | 0.4 |  | 0079 |  |
| 0097 | 0096 |  | 0090 | Pit | Fill | Fill of pit [0096]. Mid-dark red-greyish-brown sandy silt (30:70). Occasional chalk flecks (<10\%). Slightly compacted and friable. | 0.5 |  | 0.4 | 0057 | 0079 |  |
| 0098 | 0079 |  | 0090 | Pit | Fill | Fill of pit [0079] at segment 0090. Upper fill. Mid grey/brown silty sand. |  |  |  |  |  |  |
| 0099 | 0057 | 0057 | 0090 | Ditch | Fill | Fill of ditch [0057] at segment 0090. Mid dark brown silty sand. |  |  |  |  |  |  |
| 0100 | 0100 |  | 0050 | Pit | Cut | Sub-circular in plan. Shallow 'U' section with a shallow ( $35^{\circ}$ ) break of slope and smooth break of base. Concave base. No truncation. West end of trench. Cut by 0015. Shallow pit. No finds. | 0.2 | 0.4 | 0.12 |  |  |  |
| 0101 | 0100 |  | 0050 | Pit | Fill | Mid grey/brown coarse sandy silt (20:80). No inclusions. Quite loose compaction. Fill of pit [0100]. | 0.4 | 0.6 | 0.12 |  |  |  |
| 0102 | 0015 | 0015 | 0050 | Linear | Fill | Mid-dark greyish-brown sandy silt (15:85). No inclusions. Slightly firm. Fill of 0015 at 0050 . | 0.2 | 4 | 0.15 |  |  |  |
| 0103 | $\begin{aligned} & 00630065 \\ & 0086 \end{aligned}$ | 0063 |  |  | Finds | Finds found during cleaning of top of ditch [0063]. Unclear where they are from exactly as ditches [0065] and [0086] run through area too. Plan see 0062. |  |  |  |  |  |  |
| 0104 | 0104 | 0297 |  | Ditch | Cut | Ditch cut. E/W aligned. Cuts [0059]. |  |  |  | 0059 |  |  |
| 0105 | 0104 | 0297 | 0107 | Ditch | Fill | Fill of ditch [0104] segment.0107. Dark brown/grey silty sand. Frequent small flint and chalk inclusions. | 0.6 | 1 | 0.28 |  |  |  |
| 0106 | 0059 | 0059 | 0107 | Ditch | Fill | Fill of ditch [0059]. Mid grey/brown silty sand. Regular small chalk and flint inclusions. | 0.42 |  | 0.23 |  |  |  |
| 0107 | 00590104 | 00590297 | 0107 |  | Segment | Relationship segment 0107. Ditches 0059 and 0104.0104 cuts 0059. |  |  |  |  |  |  |
| 0108 | 0074 | 0291 | 0109 | Ditch | Fill | Fill of ditch [0074], segment 0109. Mid grey/brown silty sand. Frequent chalk inclusions and rare flint. Fairly compacted. | 1 |  | 0.32 |  |  |  |
| 0109 | 0074 | 0291 | 0109 |  | Segment | Excavated segment through ditch 0074 . Sides $45^{\circ}$ approx, leading to a curved base. (finds should have gone as 0108) | 1 |  | 0.32 |  |  |  |
| 0110 | 0070 | 0291 | 0110 |  | Segment | 0.6 m wide segment through ditch [0070]. South of segment 0077. |  | 0.6 | 0.27 |  |  |  |
| 0111 | 0070 | 0291 | 0110 | Ditch | Fill | FFill of ditch [0070] as excavated within segment 0110. Mid grey sand with numerous chalk lumps and flecks. No finds. Sample no. <2>-4 buckets. | $1$ | 0.6 | 0.27 |  |  |  |
| 0112 | 00740116 | 0291 | 0112 |  | Segment | Segment through ditch [0074] and p/hole 0116. |  |  |  |  |  |  |
| 0113 | 0116 |  | 0112 | Posth | Filt | Fill of p/hole [0116]. Dark grey/brown silty sand. Frequent small chalk inclusions and occasional flint. | 0.45 |  | 0.28 |  |  |  |
| 0114 | 0117 |  | 0114 |  | Segment | Segment through pit [0117]. S de |  |  |  |  |  |  |
| 0115 | 0117 |  | 0114 | Pit | Fill | Fill of pit [0117]. Mid orange/brown silty sand. Chalk inclusions. Quite compacted fill. | 0.47 | 0.7 | 0.15 |  |  |  |

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$\stackrel{m}{0}$ $\stackrel{\circ}{\circ}$
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$\stackrel{\infty}{\square}$ H Posthole cut. Break of slope $45^{\circ}$ approx leading to near vertical sides down to neal 0.65
flat base. Sub-circular in plan.
Fill 0119. Dark brown/grey silty sand. Frequent small grey flint inclusions. 0.65
Segment through ditch [0063] Break of slope $45^{\circ}$ approx leading to a gently curved 1.1
base.
Fill of ditch 0063. Dark grey/brown silty sand. Chalk and flint inclusions (Sample 1.1
no. <3>-4 buckets).
'L'-shaped relationship segment through ditches [0051] and [0017]. Shows [0051] 1 cutting [0017]. Fill of ditch [0017] as excavated in segment 0122. Mid to dark grey sand with occasional Fe staining and moderate chalk inclusions. Finds mixed between
[0051] and [0017]- see 0127 .
Upper fill of ditch [0051] as excavated within segment 0122 . Mid to dark grey
sand. Occasional Fe stains and moderate chalk. Finds mixed with fill of [0017]see 0127 . (v) $S^{e}$ Dark grey layer near base of ditch [0051] in segment 0122 under (0124). 0.05 m thick. Not visible in any other excavated segments of 0051 but presence in N-S
and E-W sections of 0122 proves that [0051] cuts [0017]. No finds. and $\mathrm{E}-\mathrm{W}$ sections of 0122 proves that [0051] cuts [0017]. No finds.
Fill of ditch [0051] under layer 0125 in segment 0122. Dark grey silty Fill of ditch [0051] under layer 0125 in segment 0122 . Dark grey silty sand. No
finds. Mixed finds from segment 0122 from ditches [0051] and [0017]. Pile found on
surface next to part excavated segment. surface next to part excavated segment. 1.85 m long excavated segment through ditch [0051] north of segment 0052 . 0.85
Excavated to look for more postholes like [0054] found in segment 0052, but none Fill of ditch [0051] as excavated in segment 0128. Mid to dark grey/brown sand. Nc finds. Same as 0053 . NNE-SSW running linear seen in segment 0134. Runs parallel to/ west of [0132].
Undulating but relatively shallow sloping west side. Undulating base cut into chalk. Undulating but relatively shallow sloping west side. Undulating base cut into chalk. East side not visible due to proximity with [0132]. Possibly cuts [0132]. Fill 0131.
Ditch initial cut or re-cut relating to [0132].
Fill of ditch [0131] in segment 0134. Light-mid grey silty sand. Frequent chalk
flecks and nodule inclusions in some places. Regular Fe staining. Finds could not
be securely associated with this number so kept under 0134. Root disturbance in
places.
$\stackrel{\infty}{\stackrel{\infty}{0}}$
Width (m) Length (m) Depth (m) Cuts Cutby Over Under

| Contex | Feature | Group | Segment | Type | Category |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 0116 | 0116 |  | 0112 | Posthole |  |
| 0117 | 0117 |  | 0114 | Pit |  |
| 0118 | 0118 |  |  | Posthole | Cut |
| 0119 | 0118 |  |  | Posthole | Fill |
| 0120 | 0063 | 0063 | 0120 |  | Segment |
| 0121 | 0063 | 0063 | 0120 | Ditch | Fill |
| 0122 | 00510017 | 00170051 | 0122 |  | Segment |
| 0123 | 0017 | 0295 | 0122 | Ditch | Fill |
| 0124 | 0051 | 0051 | 0122 | Ditch | Fill |
| 0125 | 0051 | 0051 | 0122 | Ditch | Fill |
| 0126 | 0051 | 0051 | 0122 | Ditch | Fill |
| 0127 | 00510017 | 00510017 | 0122 | Finds |  |
| 0128 | 0051 | 0051 | 0128 |  | Segment |
| 0129 | 0051 | 0051 | 0128 | Ditch | Fill |
| 0130 | 0130 | 0282 | 0134 | Ditch | Cut |
| 0131 | 0130 | 0282 | 0134 | Ditch | Fill |
| 0132 | 0132 | 0282 | 0134 | Ditch |  |

Width ( m ) Length ( m ) Depth ( m ) Cuts Cutby Over Under

Width $(m)$ Length $(m)$ Depth $(m)$ Cuts Cutby Over Under

| Segment through ditch [0187]. Shallow ditch. Break of slope $45^{\circ}$. Curved sides and base. | 0.45 | 1 | 0.15 |
| :---: | :---: | :---: | :---: |
| Segment through the butt end of ditch [0188]. Shallow. Coming to a butt end. | 0.2 | 0.6 | 0.06 |
| Pit emerging from south baulk of site. Approx 0.08 m truncated from top. Gently sloping side $30-40^{\circ}$ and uneven base. Sub-rectangular in plan. Fill 0197. Initially thought to be ditch butt end or pit. Decided on pit due to the dark fill and form. Roo disturbed. | 0.87 | 1.1 | 0.14 |
| Fill of pit [0196]. Lenses of mid brown and dark brown/black sand. These were mixed throughout and blended into each other. Root disturbance ran throughout. Despite differences in fill colouration they were felt to have been deposited together because of how they were mixed. (<6> Sampled - 2 buckets) Mixed with natural. |  |  |  |
| Cut of ditch [0198]. N/S aligned. Varies in depth and shape. Cuts pit [0207] |  |  |  |
| Fill of ditch [0198]. Mid grey/brown silty sand. Occasional small flint and chalk inclusions. Compact. (<7> Sampled - 4 buckets). | 0.64 |  | 0.2 |
| Segment of ditch [0198]. Approximately $30 \%$ of ditch excavated. Variable depth. Sides slope at c. $45^{\circ}$. Nearly flat base, | 0.64 |  | 0.2 |
| Drawn segment section across ditches [0202] and [0204]. |  | 10 |  |
| Cut of small narrow ditch, moderate sloping sides concave base. Southern most continuation of ditch [0153] after it splits into 2 after cutting [0152]. Runs under. | 0.32 | 2.6 | 0.11 |
| Fill of ditch. Mid to dark grey sand. 1.9 m length excavated. No finds. |  |  |  |
| Cut of small narrow ditch, gentle to moderate sloping sides. Concave base. Northern most continuation of ditch [0153] after it splits into 2. Patchy, fades out before reaching southern site edge. Same as 0153 ? | 0.23 |  | 0.07 |
| Fill of ditch 0204. Mid grey sand. No finds. |  |  | 0.07 |
| Segment through ditch [0198] and pit [0207]. Ditch cuts pit [0207]. |  |  |  |
| Cut of pit [0207]. Extent unclear due to baulk and ditch [0198]. Shallow with flat base. |  |  | 0.2 |
| Fill of pit [0207]. Light grey/yellow silty sand. Firm compaction. (<8> Sampled -2 buckets). | 1.4 |  | 0.2 |
| Fill of ditch [0198] at segment [0206] where ditch [0198] cuts pit [0207]. Mid grey/brown silty sand. Occasional flint and chalk inclusions. |  |  | 0.45 |
| Oval in plan. Cut of shallow pit. Steep edge to the east almost $90^{\circ}$. Sides m gentle slope $50^{\circ}$ approx. Flattish base. Possible rubbish pit. |  | 1.5 | 0.16 |
| $\mathrm{Mid} /$ dark grey sand, firmly compacted, with chalk inclusions. Small amount of bone and lots of pot. Chalk base to pit. Quern stone also found. Root disturbance. (<9> sampled - 3 buckets). |  |  | 0.16 |
| Cut of NE/SW aligned ditch. Break of slope $45^{\circ}$ approx. Gently curved sides leading to a narrow concave base. | 0.7 |  | 0.25 |
| Mid grey/brown silty sand. Occasional small flint inclusions. | 0.7 |  | 0.25 |


Width $(m)$ Length $(m)$ Depth $(m)$ Cuts Cutby Over Under


| Context | Feature | Group | Segment | Type | Category | Description | Width (m) | Length (m) | Depth (m) | Cuts Cutby | Over | Under |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0251 | 0229 | 0283 | 0250 | Ditch |  | Same as (0230). No finds. Mid grey firmly compacted fill in ditch [0229], |  |  | 0.26 |  |  |  |
| 0252 | 0248 | 0296 | 0253 |  |  | Mid grey/brown silty sand. Segment 0253. Rare small flint inclusions. Firmly compacted. | 0.62 |  | 0.13 |  |  |  |
| 0253 | 0248 | 0296 | 0253 |  | Segment | Segment through ditch 0248. | 0.62 | 0.4 | 0.13 |  |  |  |
| 0254 | 0254 |  |  | Pit | Cut | Cut of pit at east end of site. Irregular shape in plan. East side has gradual break of slope at surface, approximately $45^{\circ}$, concave slope, which then turns convex, breaking gradually to the base. The west side has a gradual break of slope at surface, a $50^{\circ}$ slope and is convex, curving abruptly to the relatively flat base. Interpretation - highly leached prehistoric pit containing several deposits, including possible natural material. Fill 0255 indicates burning, though not in-situ. | $\text { k } \quad 1.65$ |  | 0.52 |  |  |  |
| 0255 | 0254 |  |  | Pit | Fill | Fill of Pit [0254] Dark grey silty sand. (<11> Sampled - 2 buckets). Interpretation indicates possible burnt material, although probably not in-situ as surrounding material appears not to be heat altered | - 1.04 |  | 0.28 |  | 0290 | 0289 |
| 0256 | 0254 |  |  | Pit | Fill | Basal fill of pit [0254]. Disturbed mid greyish-brown silty sand. Rather disturbed and heavily leached. Does not look burnt like 0255 . |  |  |  |  |  | 0290 |
| 0257 | 0231 | 0296 | 0258 | Ditch | Fill | Fill of ditch [0231] in segment 0258. |  |  |  |  |  |  |
| 0258 | 0231 | 0296 | 0258 |  | Segment | Segment of ditch [0231]. |  |  |  |  |  |  |
| 0259 | $\begin{aligned} & 02290260 \\ & 0262 \end{aligned}$ | 0283 | 0259 |  | Segment | Segment of ditches [0229], [0260] and [0262]. Sample <14>-4 buckets). |  |  |  |  |  |  |
| 0260 | 0260 | 0283 | 0259 | Ditch | Cut | NW-SE linear ditch. SW and parallel to 0229. Rounded base and shallow sloping sides. Uncertain relationship with [0229] but appears to possible cut earlier ditche in segment 0259 . |  |  |  |  |  |  |
| 0261 | 0260 | 0283 | 0259 | Ditch | Fill | Pale-mid grey silty sand with mid brown patches. Occasional small stones. Firm compaction. |  |  |  |  |  |  |
| 0262 | 0262 | 0283 | 0259 | Ditch | Cut | NW-SE ditch running linear. Almost parallel to [0229] and [0260] but they crossing in segment 0259. |  |  |  |  |  |  |
| 0263 | 0262 | 0283 | 0259 | Ditch | Fill | Fill of [0262] in segment 0259. Mid grey silty-sand with yellow sand patches. Firm compaction. |  |  |  |  |  |  |
| 0264 | 0229 | 0283 | 0259 | Ditch | Fill | Fill of [0229] in segment 0259 - finds collected as 0259. Mid greyish-brown silty sand with occasional stones. Firm compaction. |  |  |  |  |  |  |
| 0265 | 0265 |  |  | Pit | Cut | Cut of pit [0265] Possible caused by burning tree. |  |  |  |  |  |  |
| 0266 | 0265 |  |  | Pit | Fill | Fill of pit [0265]. Interpretation - possibly the result of a burning tree. |  |  |  |  |  |  |
| 0267 | 0267 | 0267 | 0269 | Ditch | Cut $\mathrm{CO}^{0}$ | Cut of small NE -SW ditch. $50-60^{\circ}$ sides, slightly concave, curving gradually to a concave base. |  |  |  |  |  |  |
| 0268 | 0267 | 0267 | 0269 | Ditch | Eill ${ }^{2} c^{2}$ | Fill of ditch [0267]. Pale brownish-grey silty sand. No inclusions. Firm compaction |  |  |  |  |  |  |
| 0269 | 0267 | 0267 | 0269 |  | nent | Segment of ditch [0267]. |  |  |  |  |  |  |
| 0270 | 0270 |  |  | Pit | Cut | Small elongated oval pit. Gradual break of slope at surface. $30-40^{\circ}$, slightly concave sides, curving imperceptibly to a slightly concave base. |  |  |  |  |  |  |
| 0271 | 0270 |  |  | Pit | Fill | Fill of pit [0270]. |  |  |  |  |  |  |



| Context | Feature | Group | Segment | Type | Category | Description | Width (m) | Length (m) | Depth (m) | Cuts | Cutby | Over | Under |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0292 | $\begin{aligned} & 01530202 \\ & 0204 \end{aligned}$ | 0292 | $\begin{aligned} & 01540158 \\ & 01600172 \\ & 0201 \end{aligned}$ | Ditch | Group | Group number for ditch cuts 0153, 0202 and 0204. Aligned NW-SE and terminating just before the northern limit of excavation, where they meet ditch 0159.0202 and 0204 probably represent a cut and re-cut of the same ditch that merge imperceptibly as 0153 and are the same phase as 0293. Number added post-excavation. |  |  |  |  |  |  |  |
| 0293 | $\begin{aligned} & 01590163 \\ & 0177 \end{aligned}$ | 0293 | $\begin{aligned} & 01580161 \\ & 01620175 \end{aligned}$ | Ditch | Group | Group number for ditch cuts 0159, 0163 and 0177. Aligned roughly SW-NE. Probably the same phase of activity as group 0292. Number added postexcavation. |  |  |  |  |  |  |  |
| 0294 | $\begin{aligned} & 01520187 \\ & 0188 \end{aligned}$ | 0294 | $\begin{aligned} & 01540179 \\ & 01840193 \\ & 01940195 \end{aligned}$ | Ditch | Group | Group number for ditch cuts 0152,0187 and 0188 . Appears to be cut by group 0292. 0152 Runs SW-NE from the southern baulk of the site, before splitting into 0188, which curves further east and 0187, which curves to a NW-SE alignment and runs into the northern baulk of the site. |  |  |  |  |  |  |  |
| 0295 | $\begin{aligned} & 00170240 \\ & 02450247 \end{aligned}$ | 0295 | $\begin{aligned} & 00210025 \\ & 01220234 \end{aligned}$ | Ditch | Group | Group number for ditch cuts 0017, 0240, 0245 and possible ditch/pit 0247. Align SE-NW. Unclear relationship with ditch 0051. |  |  |  |  |  |  |  |
| 0296 | 02310248 | 0296 | $\begin{aligned} & 02330250 \\ & 02530258 \end{aligned}$ | Ditch | Group | Group number for ditch cuts 0231 and 0248. Aligned SW-NE. Almost certainly a cut and re-cut of the same ditch. |  |  |  |  |  |  |  |
| 0297 | 00400104 | 0297 | $\begin{aligned} & 00420077 \\ & 00780107 \\ & 0142 \end{aligned}$ | Ditch | Group | Group number for ditch cuts 0040 and 0104 . Emerges from northern edge of site and curves round to the east. Appears to undulate over the chalk. |  |  |  |  |  |  |  |
| 0298 | 0011 | 0011 | 0012 | Ditch | Fill | Basal fill of Ditch 0011. Pale grey silty-sand. Occasional stones and small chalk flecks. Number added post-excavation. | 1 |  | 0.18 |  |  | 0011 | 0013 |
| 0299 | 0228 |  | 0299 |  | Segment | Segment through layer 0228. NW section drawn. Shows three poorly defined areas of 0228 with irregular profiles in section. |  |  |  |  |  |  |  |
| 0300 | 0300 |  |  | Natural | Cut | Small, oval feature, aligned SW-NE. Half-excavated, but poorly defined. Interpretation - geological. Very similar to 0301, which was not excavated. Only partially recorded - not photo'd or drawn. | 0.5 | 0.9 |  |  |  |  |  |
| 0301 | 0301 |  |  | Natural | Cut | Small, irregular oval, aligned SW-NE. Not excavated as appeared to be very similar to 0300, which was geological. | 0.54 | 0.94 |  |  |  |  |  |

Appendix 2.
Finds quantities (MNL 600)







## Appendix 3. Pottery (MNL 600)




Key : $r=\operatorname{rim}$ sherd, $b=$ bodysherd, $b a=$ base sherd

## Appendix 4. Animal bone (MNL 600)



| Context | No | Wt | Species | No. | Element | Comments |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0150 |  | $i^{8}$ | cattle um | $\begin{array}{r} 1 \\ 20 \\ \hline \end{array}$ | $\begin{aligned} & \hline \mathrm{ncb} \\ & \text { unid } \end{aligned}$ | Fragments of long bone and vertebrae |
| $0155$ |  | 88 | cattle <br> sheep/goat <br> pig <br> um <br> um | $\begin{aligned} & \hline 1 \\ & 1 \\ & 1 \\ & 9 \\ & 1 \\ & \hline \end{aligned}$ | phx2 <br> metacarpal <br> humerus <br> unid <br> humerus | Shaft frag, distal end gnawing <br> Three frags charred, one almost white Trochlea region of the distal humerus, poss gnawing |
| 0157 | 20 | 253 | cattle cattle cattle <br> cattle um um | $\begin{aligned} & \hline 6 \\ & 3 \\ & 1 \\ & 4 \\ & 4 \\ & 5 \\ & 1 \end{aligned}$ | tooth mandible radius <br> tooth unid unid | Loose mandibular teeth in wear Fragments of mandible Distal epiphysis, butchery surface chop, anterior, vertical. <br> Loose maxillary teeth 3 in wear, 1 no wear Long bone frags, vertebra frags Rootmarked long bone shaft frag, charring to edges of frag |
| 0160 | 1 | 44 | cattle | 1 | metacarpal | Prox end gnawed, distal unfused |
| 0161 | 1 | 2 | um | 1 | unid | Skull frag? |
| 0173 | 1 | 24 | cattle | 1 | mandible | Longitudinal cracking |
| 0181 | 3 | 10 | sheep/goat um | 1 |  | Max m1/m2 <br> Long bone frags poss vertebra |
| 0183 | 1 | 4 | um | 1 | unid | Unid long bone, burnt black on inside, cortex turning light grey. |
| 0197 | 1 | 3 | um | 1 | unid | Shaft frag |
| 0211 | 10 | 40 | cattle um | $\begin{aligned} & \hline 3 \\ & 7 \\ & \hline \end{aligned}$ | hcr skull | Horncore <br> Most likely cattle |
| 0224 | 14 | 101 | cattle horse sheep/goat <br> sheep/goat um <br> um | $\begin{aligned} & 1 \\ & 1 \\ & 1 \\ & 2 \\ & 2 \\ & 8 \\ & 1 \end{aligned}$ | tooth cal mandible <br> tooth unid nvc | Mándible premolar <br> Prox end missing - corpus <br> M2, M3 in situ, severe wear m1 socket in resorption therefore tooth missing pre mortem. <br> Max M1/M2, one broken vertically <br> Mainly frags of mandible/ rib <br> Navicular cuboid |
| 0244 | 9 | 65 | cattle <br> cattle <br> sheep/goat <br> um | $\begin{array}{r} 1 \\ 01 \\ 1 \\ \hline 6 \\ \hline \end{array}$ | scapula tooth tooth unid | Mand M1/M2 <br> Max M1/M2 <br> long bone frags and single piece of dist femur |
| 0246 | 2 | 27 | sheep/goat um | $\begin{aligned} & 1 \\ & 1 \end{aligned}$ | radius vertebra | Shaft section only vertebral body most likely cattle. vertebral epiphysis just fusing other unfused. |
| 0259 | 18 | 97 | cattle <br> sheep/goat um | $\begin{array}{r} 1 \\ 1 \\ 16 \\ \hline \end{array}$ | metatarsal scapula unid | Longitudinal cracking <br> Long bone frags |

Key : phx = phalanx, um = unknown mammal, unid = unidentifiable

## Appendix 5. Flint (MNL 600)

| Ctxt | Type | Cat | No | Pat | Notes | Date |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 0018 | flake | flak | 1 | u | Flake, largely cortical <br> Squat flake with limited edge retouch or <br> use-wear | Later Preh <br> flake | retf |

Key: $u=$ unpatinated, $p=$ patinated, $p p=$ partially patinated, $b=$ burnt






| Sample No. | 1 | 20 | $\mathrm{C}^{\circ} 3$ | 4 | 5 | 6 | 8 | 9 | [ 10 | 11 | 13 | 14 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Context No. | 0018 | 0111 | 0121 | 0134 | 0157 | 0197 | 0208 | 0211c | 0036 | 0255 | 0236 | 0259 |
| Feature No. | 0017 | 0070 | 0063 | 0130 | 0152 | 0196 | 0207 | 0210 | 0007 | 0254 | 0011 |  |
| Feature type | Ditch | Ditch | Ditch | Ditch | Ditch | Pit | Pit | Pit | Ditch | Pit | Ditch | Ditch |
| Plant macrofossils | 0 |  |  |  |  |  | cil |  |  |  |  |  |
| Hordeum sp. (grains) | Xct |  |  |  |  |  | culd |  |  |  |  |  |
| Triticum sp. (grains) | x |  | xcf |  |  |  | $\times$ |  |  |  |  |  |
| T. spelta L. (glume bases) | x |  |  |  |  |  | x |  |  |  |  |  |
| Cereal indet. (grains) | x |  |  |  |  | x | x | x | x |  | x |  |
| Corylus avellana L. |  |  |  |  |  |  |  |  |  | x |  |  |
| Charcoal <2mm | xx |  | X | X | X | X | X | xx | x | xxx | x | x |
| Charcoal >2mm | x |  |  | x |  | x |  | xx | x | xxx | x | x |
| Charred root/stem | x |  | X | x |  |  | x | x | x |  | x |  |
| Molluscs |  |  |  |  |  |  |  |  |  |  |  |  |
| Woodland/shade loving species |  |  |  |  |  |  |  |  |  |  |  |  |
| Aegopinella sp. |  |  |  |  |  |  |  | xcf |  |  |  |  |
| Discus rotundatus |  |  | x x |  |  |  |  |  |  |  |  |  |
| Oxychilus sp. |  |  |  |  |  |  |  | xcf |  |  |  |  |
| Trichia striolata |  |  |  |  |  |  |  | xcf |  |  |  |  |
| Zonitidae indet. |  |  | x |  |  |  |  |  |  |  |  | x |
| Open country species |  |  |  |  | CO | c |  |  |  |  |  |  |
| Helicella itala |  |  |  |  | c |  |  | X |  | X | x |  |
| Helicidae indet. |  |  | $x$ | X | (1) |  |  | X |  |  |  |  |
| Pupilla muscorum | x | x | x | x | $0^{\circ}$ | x | x | x | x | x | X | $x$ |
| Vallonia sp. | x |  | x | xxx | (1) |  |  | xx xb |  |  | x | x |
| V. costata |  | x | x | x ${ }^{\text {x }}$ |  |  |  | x | x | x | x | x |
| V. pulchella |  |  |  | $\mathrm{Sa}^{4}$ |  |  | xcf | xcf |  |  |  |  |
| Vertigo sp. |  |  |  | x |  |  |  |  |  |  |  |  |
| Catholic species |  |  |  |  |  |  |  |  |  |  |  |  |
| Cepaea sp. |  |  |  |  |  |  |  | x |  |  |  |  |
| Cochlicopa sp. |  |  | x | x ${ }^{\text {x }}$ |  |  |  | xx | $x$ | x |  | x |
| Nesovitrea hammonis |  |  |  | X |  |  |  | xcf |  | x |  |  |
| Trichia hispida group |  | x |  | xxx |  |  | X | xxx | x |  | x | x |
| Marsh/freshwater species |  |  |  |  |  |  |  |  |  |  |  |  |
| Anisus leucostoma |  |  |  |  |  |  |  |  | x |  |  |  |
| Lymnaea sp. |  |  | x |  |  |  |  |  |  |  |  | x |
| Pisdium sp. |  |  | X |  |  |  |  |  |  |  |  |  |
| Other remains |  |  |  |  |  |  |  |  |  |  |  |  |
| Black porous 'cokey' material | $x$ | xx | x | X |  | x | xx |  | x | xxxx | x |  |
| Bone | xx xb | x | xx xb | x | $\times \mathrm{xb}$ | $\times \mathrm{xb}$ | $\times \mathrm{xb}$ | xxx xb | e x | x |  | x |
| Burnt/fired clay |  | C, ${ }^{\circ}$ | - | x |  | x |  | $\mathrm{C}^{\mathrm{O}}$ |  |  |  |  |
| Burnt stone |  | ce |  |  |  |  |  | $\times 5^{8}$ |  |  |  |  |
| Pottery |  | xcf |  |  | x | x |  | J, x |  |  |  |  |
| Mineralised faecal concretions |  |  |  |  |  |  |  | $00^{1} x$ |  |  |  |  |
| Mineralised soil concretions | - |  | xxx |  |  |  | ${ }^{0}{ }^{10}$ | xxx | xxx |  |  | xxxx |
| Small coal frags. | $10{ }^{2}$ | x | x | x |  |  | cu |  |  |  |  |  |
| Small mammal/amphibian bones | $x$ |  | xx |  |  | x | X | X | x |  |  |  |
| Tarry material |  | x x |  |  |  |  |  |  |  |  |  |  |
| Vitrified material |  |  |  |  |  |  |  |  | x |  |  | x |
| Sample volume (litres) | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 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 | $<0.1$ |
| \% flot sorted | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% |




