















MANGREEN QUARRY, SWARDESTON, NORFOLK

Archaeological Evaluation

for Phoenix Consulting on behalf of Lafarge Aggregates Ltd

version 2 - April 2012





MANGREEN QUARRY, SWARDESTON, NORFOLK

Archaeological Evaluation

for Phoenix Consulting on behalf of Lafarge Aggregates Ltd

version 2 - April 2012

HA Job no.: MQSN11 NGR: TG 2157 0233

Parish: Swardeston Council: Norfolk

OASIS ref.: headland4-113378

Archive will be deposited with: Norwich Castle Museum

Project Manager Joe Abrams

Author Dave McNicol & James McNicoll-Norbury

Fieldwork Tegan Daly, Jozef Doran, Tom Elliot, Annie Partridge, Mariusz

Gorniak, Dave McNicol & James McNicoll-Norbury

Graphics Julia Bastek, Caroline Norrman & Anna Sztromwasser Specialists Scott Timpany – Environmental

Julie Franklin, Julie Lochrie, Ian Rowlandson & Jane Young – Finds

Approved by James Newboult, Project Manager

An Arhot



Headland Archaeology (UK) Ltd © Headland Archaeology (UK) Ltd 2011

CONTENTS

1.	INTR	ODUCTION	1
	1.1	Planning background	1
	1.2	Site location and geology	1
	1.3	Archaeological background	2
2.	MET	HODOLOGY	2
	2.1	Objectives	2
	2.2	Methodology	10
	2.3	Recording	10
3.	RESU	JLTS	10
	3.1	Late Bronze Age – Iron Age	10
	3.2	Early Roman (1st–2nd century)	10
	3.3	Late Roman (3rd–4th century)	16
	3.4	Medieval	16
	3.5	Post-medieval	16
	3.6	Undated	21
	3.7	Description of the significance of the Heritage Assets	21
4.	FIND	OS ASSESSMENT	22
	4.1	Prehistoric and Roman pottery	22
	4.2	Medieval pottery	22
	4.3	Ceramic building material (CBM)	25
	4.4	Fired clay & daub	25
	4.5	Worked flint	26
	4.6	Stone finds	26
	4.7	Other Roman finds	26
	4.8	Modern finds	26
5.	ENVI	RONMENTAL ASSESSMENT	26
	5.1	Sample assessment	26
	5.2	Faunal remains assessment	27
		Methodology	27
		Results	27
6.	DISC	CUSSION	28
7.	REFE	RENCES	29
	7.1	Bibliography	29

APPENDICES	30
Appendix 1 – Site registers	30
Trench register	30
Context register	33
Photographic register	49
Drawing register	53
Sample register	53
Appendix 2 – Environmental tables	54
Retent samples	54
Retent samples (continued)	55
Flot samples	56
Flot samples (continued)	57

LIST OF ILLUSTRATIONS

Illus 1	Site location	viii
Illus 2		3
Illus 3	Field 1 – trench locations	5
	Fields 2, 3 & 4 – trench locations	,
Illus 4	Field 5 – trench locations	7
Illus 5	Detail of trenches in Field 3	9
Illus 6	Detail of trenches in Field 3 & 4	11
Illus 7	Detail of deficies in Field 5 & 4	13
	Detail of trenches in Field 5	
Illus 8	Shot of slot for [8702] completely excavated, showing section	14
Illus 9	Section through ditch [4505]	14
Illus 10		15
III 44	Section through features [6911], [6913], & [6915]	47
Illus 11	Roman features	17
Illus 12	Early Roman features	18
Illus 13		19
	Early Roman and medieval features (Tr 54, 55, 56)	20
Illus 14	Early Roman and medieval features (Tr 68 & 69)	20

LIST OF TABLES

Table 1		21
	Heritage Assets (HA)	
Table 2		23
	Quantification of finds by trench (by sherd numbers or weight as appropriate)	
Table 3	}	24
	Pottery spot dating summary by context	
Table 4	ļ	27
	Bone recovery by context	
Table 5	;	28
	Species by context	





Illus 1 Site location

MANGREEN QUARRY, SWARDESTON, NORFOLK

Archaeological Evaluation

Headland Archaeology (UK) Ltd conducted an evaluation at a proposed development area on land to the south of Mangreen Lane, located between the villages of Swardeston (to the west) and Dunston (to the east), 6km south of the centre of Norwich. The evaluation was undertaken in order to provide further information on the archaeological potential of the Development Area. The work was commissioned by Phoenix Consulting Archaeology Ltd, on behalf of Lafarge Aggregates Ltd. A total of 90 trenches were excavated within the DA. This resulted in the uncovering of late Bronze Age/early Iron Age, Roman, medieval and post-medieval activity.

1. INTRODUCTION

1.1 Planning background

Lafarge Aggregates Ltd (the company) is submitting a planning application for an extension to their existing workings at Mangreen Quarry, Swardeston, Norfolk; henceforth referred to as the Development Area (DA). As part of the application process, the company have undertaken 'non-intrusive' archaeological evaluation of the DA comprising a desk-based assessment (Thompson 2010) and an archaeo-geophysical survey (Bartlett 2010). The evaluation is being carried out to assess the extent, nature and survival of archaeological features within those parts of the site where intrusive development will take place.

The Mineral Planning Authority (MPA) is advised, on archaeological matters, by the Norfolk County Council Archaeological Officer (AO). Because the DA lay in an archaeologically sensitive area, the AO advised that the applicant must commission an archaeological evaluation (NCC 2011) in order to obtain further information on its

sub-surface archaeological potential. These works were requested in accordance with government guidance as set out in PPS 5 (2010).

1

A specification for the evaluation was issued by Phoenix Consulting Ltd (the consultant) (Richmond 2011) on behalf of the company. Headland Archaeology was commissioned to prepare a method statement for the evaluation, undertake the site works and produce a report (this document) on the results. The combined results of 'non-intrusive' and trail trenching evaluations will allow the AO to make their recommendation on the planning application.

1.2 Site location and geology

The DA is located *c*.6km south of the centre of Norwich and is centred on TG 2157 0233. It sits to the south of Mangreen Lane which runs between the villages of Swardeston (to the west) and Dunston (to the east). The DA extends across five fields of open pasture and arable land and covers a total of *c*.45ha (Illus 1).

The DA occupies gently rolling countryside between the 30–38m AOD contours. The eastern side slopes gently



down towards the River Tas which runs 1km to the east. The local geology consists of Cretaceous Chalk overlain by glacio-fluvial drift deposits, with soils of the Burlingham 3 Association which comprise fine loamy, often sandy soils with slight seasonal waterlogging. The borehole survey for the site shows mixed sands and gravels interspersed with silty bands, overlying Boulder Clay at depths of 4.7–5.2m.

1.3 Archaeological background

The archaeological and historical background of the DA has been detailed in the desk-based assessment (Thompson 2010) and is summarised here.

Possible Bronze Age ring ditches are located 300-400m north-east of the DA (NHER 52812), and pits and ditches containing Bronze Age pottery have been found around Dunston (NHER 31821 and 31828). Fieldwalking within the DA Grant et al 2003) and in the area north of Mangreen Hall Farm revealed diffuse scatters of mainly Bronze Age flint (NHER 40429, 37649, 37650 and 37651). Subsequent trial trenching in the latter area uncovered a low density of mainly undated features. This work also revealed a low intensity of probable Iron Age features (Smith 2008). Significant Iron Age remains comprising pits, post-holes, and pottery indicative of settlement have been excavated within 250-350m of the DA near Dunston (NHER 31820 and 31858). Cropmarks of a possible Iron Age or Roman roundhouse are located 350m north of the site (NHER 52184).

The Roman town and scheduled monument of Ventor Icenorum (Caistor St Edmund) is located 1.5km to the north-east (NHER 9759 and 52194). It is likely that the DA is situated within its economic catchment area, although evidence for agricultural settlement from this period is sparse. Evidence of Roman settlement has been found at Dunston (NHER 31820) and further south, below Diane's Wood (NHER 31821). A possible Roman temple complex comprising a large double ditched enclosure is also located some 400m north-east of the DA (NHER 52186, 52187 and 52181). The findspot of a Roman copper alloy bowl and coins is located in fields north of Mangreen Hall Farm (NHER 9785). However, trial trenching south of the Roman cemetery, and field walking over much of the DA revealed a virtual absence of Roman ceramics or settlement evidence.

The DA occupies an area with potential to contain remains relating to the medieval settlement of Gowthorpe, thought to have been located near the site of the Chapel of St James, *c*.1km west of the southern part of the DA (NHER 52069, 52070, 52065 and 9717).

The DA may contain remains associated with field systems surrounding the Jacobean Mangreen Hall Farm (NHER 9767). Cropmarks to the south of the house, within the northern block of the DA are thought to be

early modern enclosures (NHER 9749). Fieldwalking has also identified diffuse scatters of post-medieval pottery and tile across the northern part of the DA consistent with manuring practices (Grant *et al* 2003).

Archaeological evidence from the site and surrounding area suggests that the DA has the potential to contain archaeological deposits from the Prehistoric, Roman, medieval and post-medieval periods. The above findings were noted prior to trial trenching being undertaken and have been considered in the production of this report.

METHODOLOGY

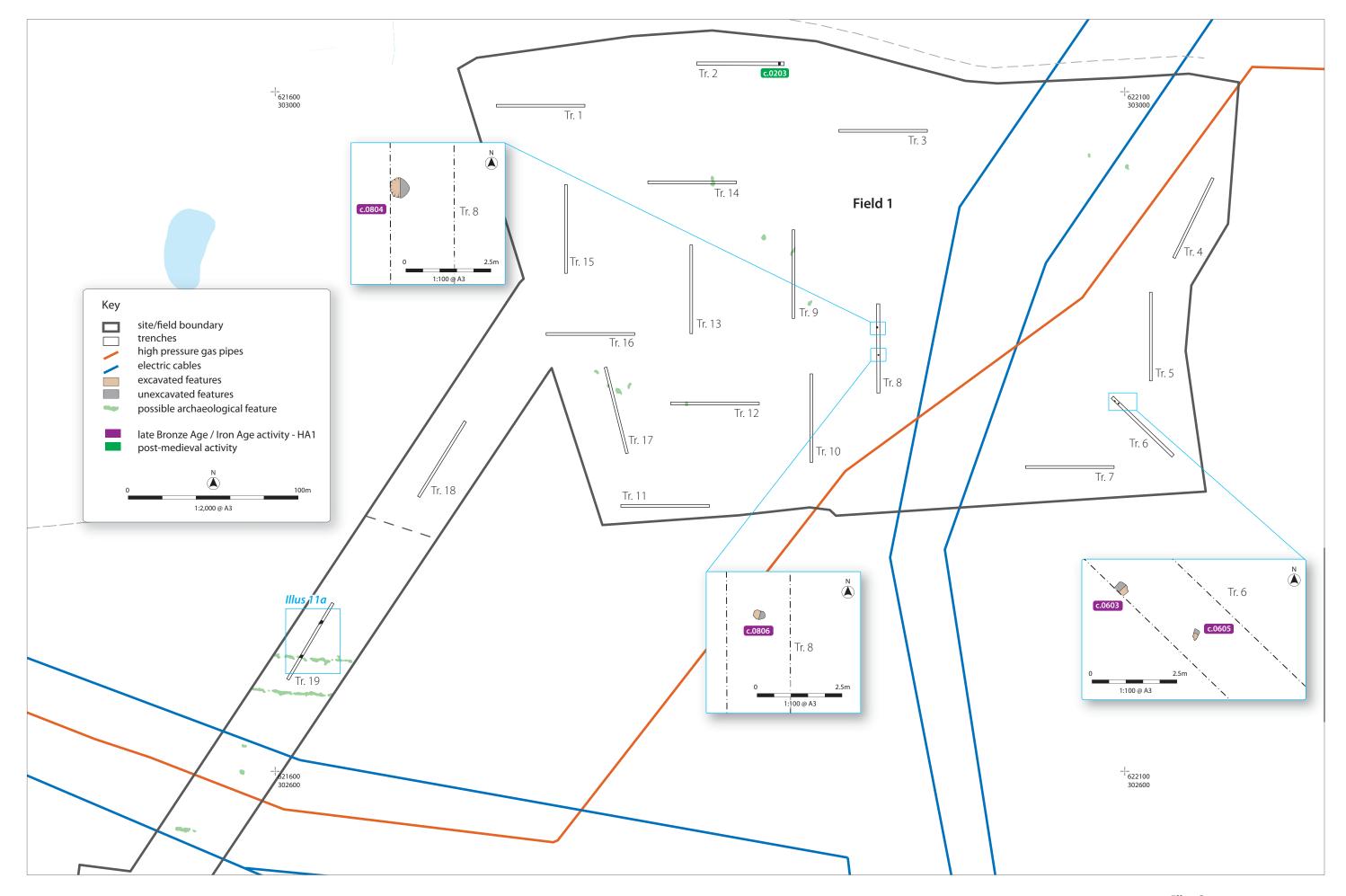
2.1 Objectives

The objectives of the evaluation were:

- to identify and assess the particular significance of any element of the historic environment that may be affected by the relevant proposal (as well as the affect on setting of a heritage asset);
- to determine and understand the nature, function and character of any remains on the site, in their cultural and environmental setting;
- to analyse any evidence retrieved in light of objectives contained within the frameworks of local and regional research agendas. In this case they are provided by Glazebrook (1997), Brown & Glazebrook (2000) and Medlycott & Brown (2008);
- to place the findings in the context of the results of earlier work at Mangreen Quarry, and within the wider landscape;
- to test blank areas of the previous geophysical survey to act as a control; and
- to establish the integrity and state of preservation of any archaeological features or deposits.

In addition to these general aims, the results of the evaluation was hoped to give an opportunity to address the following specific research objectives:

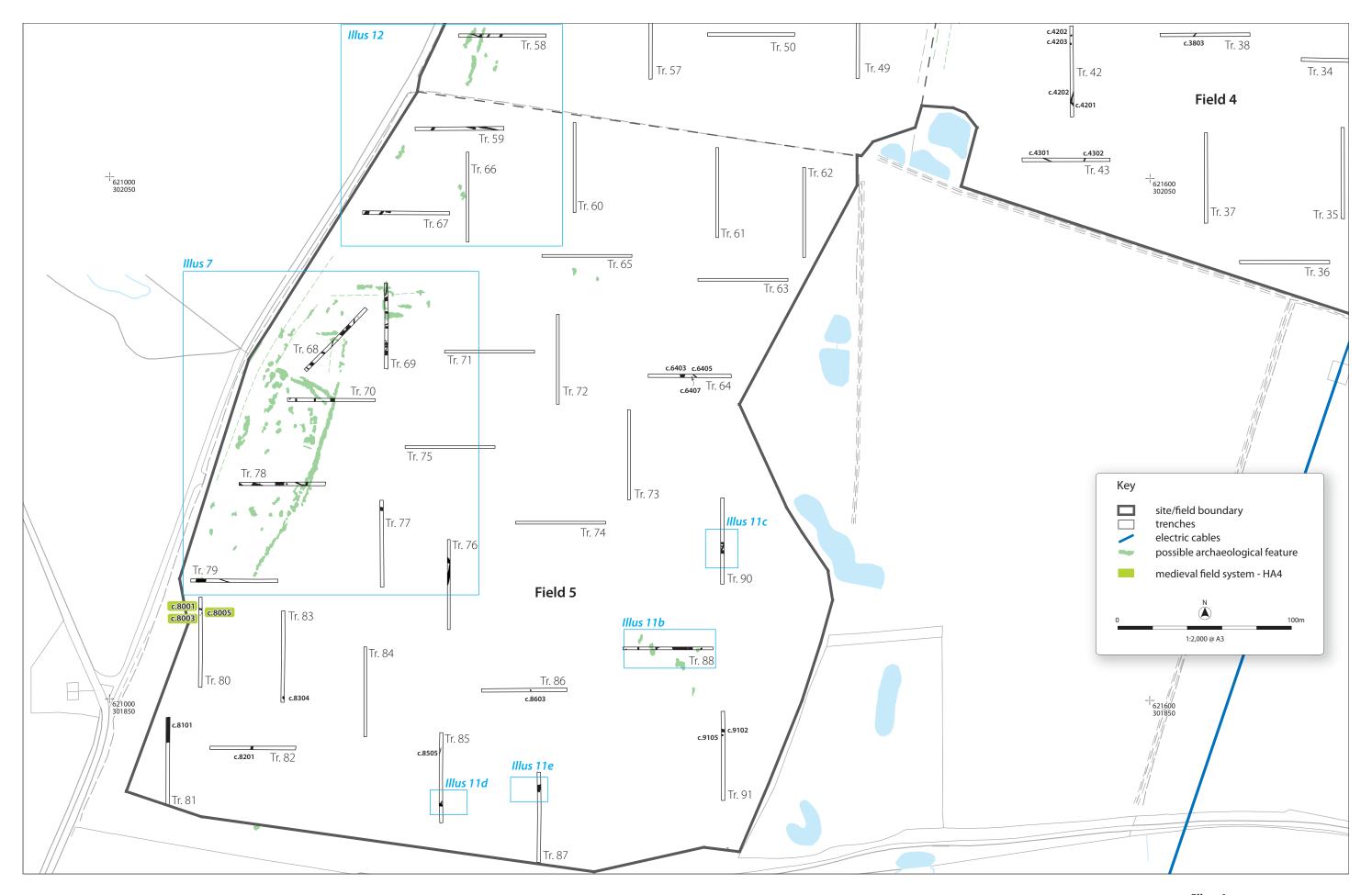
 Trenches targeting geophysical anomalies will be used to assess the effectiveness of geophysical survey for identifying different types of features. The effectiveness of different evaluation techniques for recognising archaeological features is a particular issue for the Bronze Age (Medlycott and Brown 2008).



Illus 2 Field 1 - trench locations



Illus 3 Fields 2, 3 & 4 - trench locations



Illus 4Field 5 - trench locations

Illus 5Detail of trenches in Field 3



- What sort of occupation and land use is indicated by the putative Bronze Age lithic scatters within the site, and is the apparent absence of field systems indicative of a real absence of substantial settlement?
- Any evidence for Roman activity in the area may be relevant to ongoing research into the environs of the Roman town of *Venta Icenorum*.
- Features identified from geophysical survey along the west edge of the site may assist in understanding the origins and development of the medieval village of Gowthorpe, and of medieval rural settlement in the wider region.

2.2 Methodology

The fieldwork took place between 4th August – 7th September and 24th – 27th October 2011. A total of 90 trenches were excavated amounting to 4500 linear meters, 2m wide. The trenches were laid out in order to test geophysical survey anomalies and blank areas within the DA.

A 360° tracked mechanical excavator equipped with a flat-bladed bucket was used to remove topsoil under direct archaeological control. Excavation continued until clean geological sediments or significant archaeological deposits were encountered.

Further excavation required to satisfy the objectives of the evaluation was continued by hand. A representative sample, sufficient to meet the objectives of the evaluation, of identified features was investigated by hand and all features were recorded. The stratigraphy of each trench was recorded in full.

2.3 Recording

All recording was in accordance with the code of practice of the Institute for Archaeologists (IfA). All trenches and contexts were given unique numbers. All recording was undertaken on *pro forma* record cards that conform to accepted archaeological standards. All stratigraphic relationships were recorded.

An overall site plan at an appropriate scale and relative to the National Grid was recorded by digital survey using a differential GPS.

A full photographic record comprising colour slide and black and white print photographs was taken, supplemented with digital photography. A metric scale was clearly visible in record photographs.

3. RESULTS

Full trench descriptions, including orientation, length and depth are presented in Appendix 1.1. Technical details of individual contexts are presented in Appendix 1.2. Contexts are numbered by trench number; *ie* Trench 1 [100], Trench 2 [200]. Cut features are shown as [100] whilst their fills are expressed as (101) for example. The results are described in chronological order.

Overburden generally comprised subsoil overlain by topsoil to a combined depth of 0.50–0.65m. The underlying natural geology was represented by gravels, clay and sand.

3.1 Late Bronze Age – Iron Age

The majority of activity from this period lies in the southern side of Field 1 (Illus 2) in the form of pits and postholes. A shallow circular pit [806] was located toward the centre of Trench 8. It had been truncated by modern ploughing and had a single fill (803) which contained fragments of burnt bone of unknown species (Section 5), nine sherds of Late Bronze Age/Iron Age (LBA/IA) pottery and one sherd of intrusive Roman pottery. A second, larger pit [804] located just to the north of [806] also contained two sherds of LBA/IA pottery.

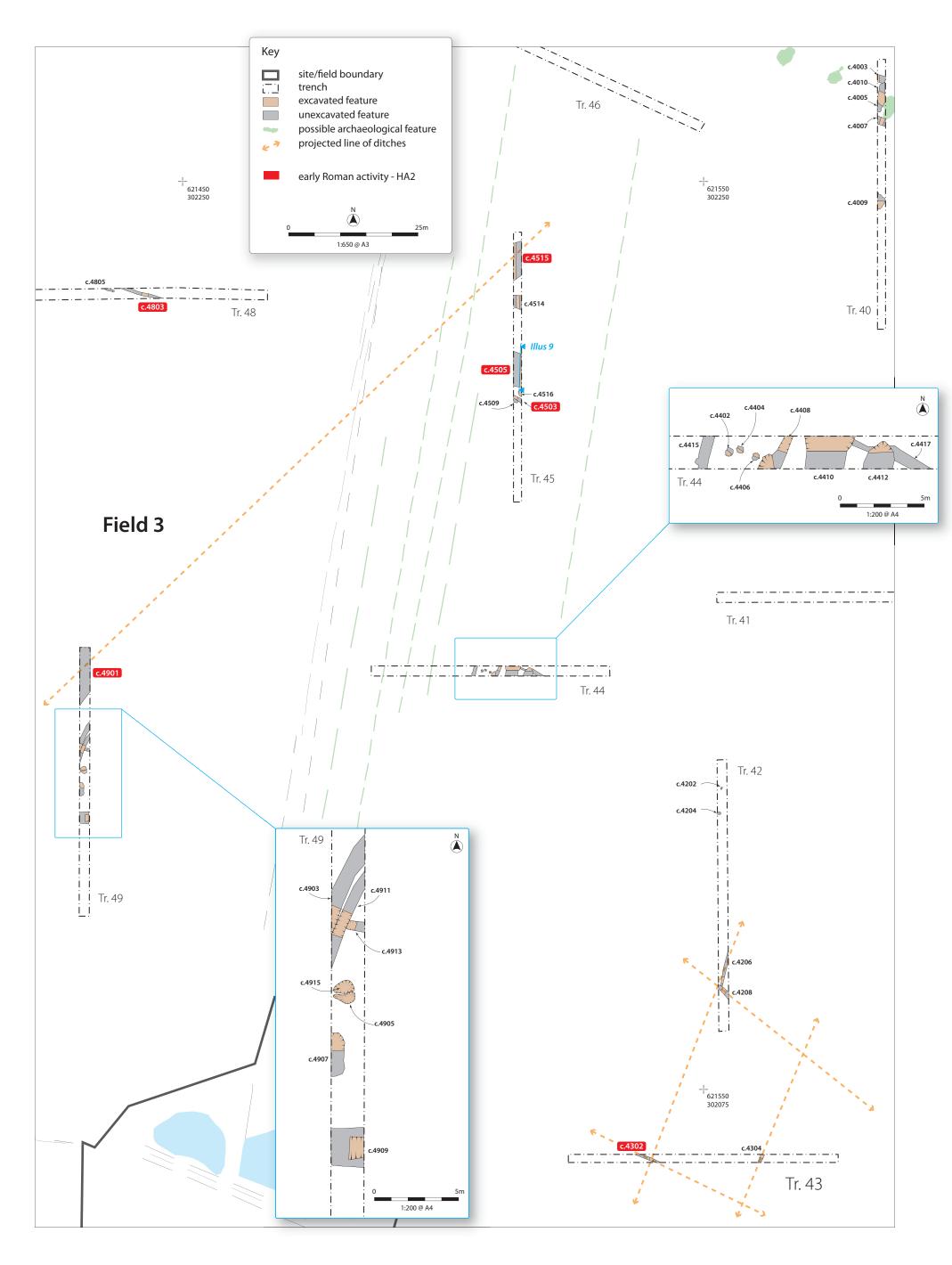
Two small postholes [603] and [605] were uncovered in Trench 6, in the SE corner of Field 1 (Illus 2). Two fragments of pottery were recovered from fill (606) of posthole [605]. The similarity of the fills of these features, along with their proximity suggests that they are contemporary. Within the eastern part of Field 4 a large, irregularly shaped pit [3403] was also found to contain two sherds of LBA/IA pottery.

In Field 5, a broadly E-W aligned linear feature [6909] was identified. It contained three small sherds of LBA/IA pottery. It was found in association with a concentration of early Roman ditches and appears to be associated with an anomaly revealed by geophysical survey (Illus 7). These remains are likely to form part of an enclosure or field system. However, the geophysical survey is insufficiently detailed to confirm this assertion.

3.2 Early Roman (1st–2nd century)

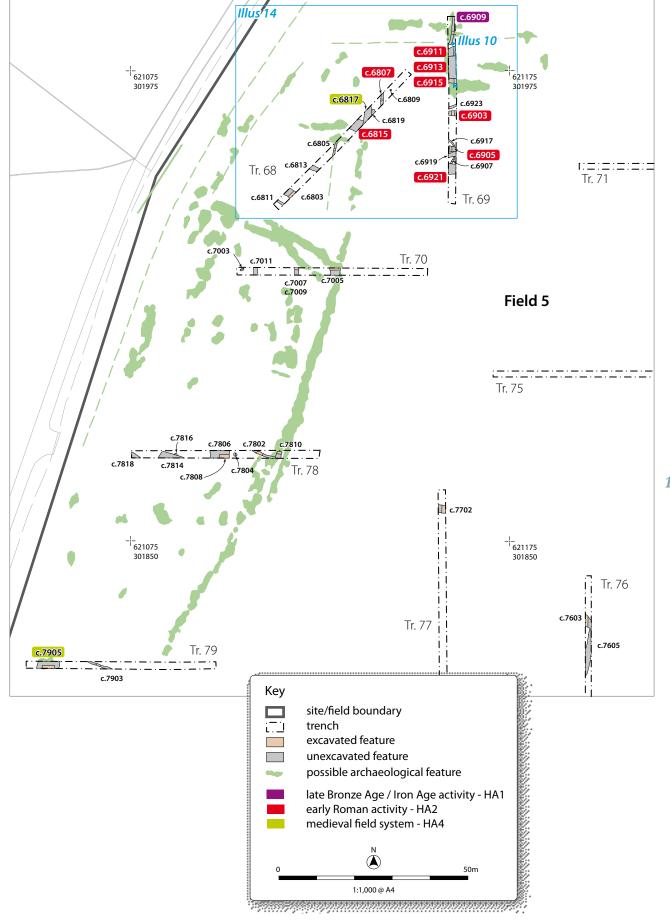
The majority of datable evidence within the DA was from the early Roman period. The main foci of activity from this period were located on the western edges of Fields 3 and 5 (Illus 5 and 7). Other evidence of activity, in the form of linear features and pits, was identified in the north of Field 2 (Illus 2) and the western and southern edges of Field 4 (Illus 6).

The largest concentration of datable Roman features was located around Trenches 67 [6703], [6709], 68



Illus 6Detail of trenches in Field 3 & 4

© Headland Archaeology (UK) Ltd 2012



Illus 7Detail of trenches in Field 5





Illus 8Shot of slot for [8702] completely excavated, showing section

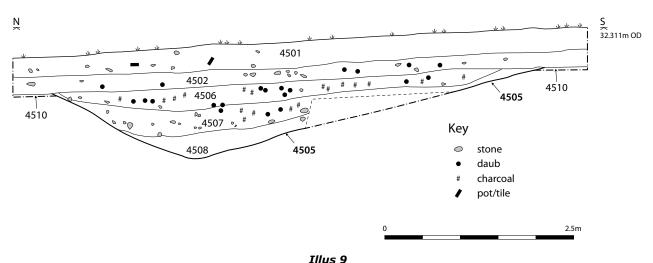
[6807 and 6815] and 69 [6903, 6905, 6911, 6913, 6915 (Illus 10) and 6921] in the western part of Field 5 (Illus 4 & 7). All eight linear features had similar fills and the majority contained between one and three sherds Roman pottery, although [6921] contained nine sherds and [6703] contained a large assemblage (eighty-three sherds) of 1st Century Roman pottery. Also within this area was an undated curvilinear ditch [6907/6917]. It had been truncated by ditches [6905] [6919] and [6921] (Illus 7). Its shape in plan indicates could form part of a roundhouse gully. However, it could also be part of a

small enclosure ditch. The majority of these remains appear to correspond to the results of geophysical survey.

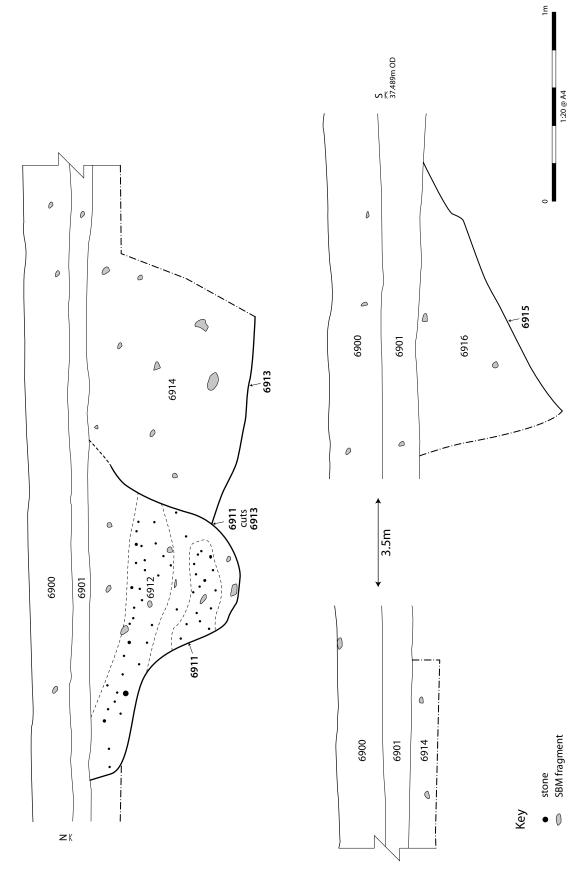
A second concentration of datable ditches and pits were identified in Trenches 52 [5206 and 5211], 53 [5303], 54 [5402], 55 [5503, 5507 and 5510], 56 [5616 and 5620] (Illus 5). They contained between one and three sherds of Roman pottery and broadly corresponded to the results of geophysical survey, which suggest the presence of ditched enclosures on N-S/E-W alignments. Undated remains, including a possible posthole [5620] within the vicinity were of similar morphology and stratigraphy and are likely to be of the same date.

Although levels of pottery were relatively low in these areas, the presence of pits, intercutting ditches and a possible roundhouse gully indicates settlement activity rather

than field systems. Although geophysical survey results suggest these remains appeared to form two distinct concentrations, the presence of undated features of similar morphology in Trenches 58 and 59 (between Fields 3 and 5) indicate they may be part of a contiguous series of enclosures running broadly parallel with the western boundary of the DA. Indeed, the relative paucity of similar features to the east of these enclosures indicates that the area of activity is confined to land within c.50m of the DA's western boundary.



Section through ditch [4505]



Illus 10
Section through features [6911], [6913], & [6915]



In Field 4, to the east of these remains, , was a group of mainly undated linear features, in Trenches 40, 42-45, 48 and 49 (Illus 3 and 6). A large, broadly NW-SE aligned ditch [4505] (Illus 9) contained 3 sherds of Roman pottery. It was similar in morphology to an undated, broadly perpendicular ditch [4515]. It is possible the two formed part of a ditched enclosure system. It is also possible these are related to a third probable ditch [4901] on the same NE-SW alignment as [4515], c.100m to the SW. Similarly, the shallow, NW-SE aligned gullies [4503] and [4803] are likely to form part of a single system (Illus 6). The only other dated feature in this part of the DA was the NW-SE aligned ditch [4302], which contained 6 sherds of Roman pottery. It is possible that [4304] forms a right-angle with ditch [4302] and may also be related to the morphologically similar ditches [4206] and [4208], located *c*.20m to the north.

Although the majority of these linear remains contained no datable artefacts, they contained similar deposits and appear to be laid out on the same NW-SE/NE-SW alignments as the datable features. It is likely these represent the remains of a series of Roman field systems. The lack of pottery indicates low-level activity. However, the feature density is broadly similar to that of the Roman remains in the western parts of Fields 3 and 5. Furthermore, the ditches in Trench 44 were found in association with three postholes; [4402], [4404] and [4406]. These were undated but nonetheless could indicate evidence of structures in this part of the DA. With the exception of anomalies in the vicinity of Trench 40, none of the remains in Field 4 were revealed by geophysical survey.

The smallest focus of early Roman remains was located in the SE part of Field 5. They comprised the remains of steep sided a pit [8702] which was cut through an existing feature. Its sides had *in situ* burning suggesting it was used as a hearth or fire pit (Illus 8). Its fills are likely to represent the disuse of the pit. They contained Roman greyware and a sherd of 2nd century Samian ware. Although artefacts suggest an earlier date, these remains are more proximate to a focus of 3rd-4th century Roman activity, c.100m to the NE.

3.3 Late Roman (3rd–4th century)

Trenching in the south eastern corner of Field 5 revealed evidence of later Roman activity in Trenches 85 [8503], 88 [8805] and 90 [9005] comprising ditches and pits (Illus 4 & 11b, c, d, e). Excavated linear features contained pottery from the 3rd to the middle 4th centuries including mortaria, seventeen fragments of ceramic building material from (8806) and three hobnails from (9006) (Section 4). The levels of pottery in this part of the DA (averaging between ten and twenty sherds per feature) and presence of CBM and hobnails indicate a greater concentration of activity, albeit over a smaller

area than that in the western part of the DA. Although only a small number of the features excavated in these trenches contained, datable material all the features in this part of the DA shared similar deposits, which were different to those of earlier Roman and medieval features.

Further evidence of this period was also identified within Field 2. A large pit or possible ditch terminus [1900] and a ditch [1902] were uncovered in Trench 19 (Illus 2 & Illus 11a). These contained twenty-eight and ten sherds of 4th century Roman pottery respectively. One of these, [1902] corresponds with the northernmost of a pair of parallel, E-W aligned geophysical anomalies. The spacing of these anomalies (25m apart) indicates they may form part of a routeway or land division. The larger feature [1900] was not detected by the survey.

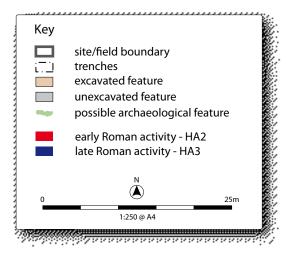
3.4 Medieval

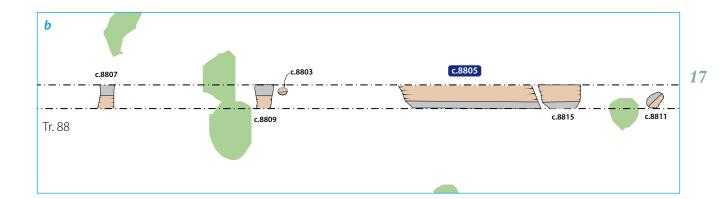
Evidence for medieval activity within the DA is relatively poor. Datable features comprised ditches in association with Roman field systems within the western edges of Field 3 and 5 [5514, 5604, 5610, 6817 and 7905] (Illus 5, 7, 13 & 14). They were also on the same alignments as the underlying Roman field systems. Indeed, [6817] was cut directly through Roman ditch [6815]. Although few, in numbers, these remains generally contained relatively large assemblages of pottery (between eight and thirty-one sherds - Section 4). Only one pit of possible medieval date was identified in Trench 80 at the southern limit of the probable enclosures in the western part of Field 5. [8003] contained a single sherd of 11th-13th century pottery. The overall medieval assemblage points to a date range from the 11th to the 14th centuries. It is possible they may be associated with the periphery of the deserted medieval village of Gowthorpe, thought to be sited outside the southern block of the DA (Richmond 2011).

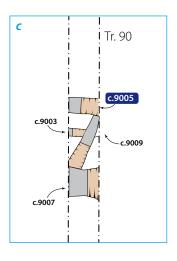
The presence of these remains amongst Roman features indicates some form of continuity between the two periods. Moreover, the morphological similarities between the medieval and Roman features casts doubt on the provenance of many of the undated features in this part of the DA.

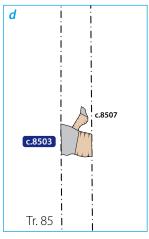
3.5 Post-medieval

A N-S aligned ditch [203] (Illus 2) was uncovered at the western end of Trench 2. It measured 0.6m in width, with a maximum depth of 0.15m. It contained fragments of brick, pot and glass within its single fill [204]. It is likely to represent the remains of a field boundary ditch.

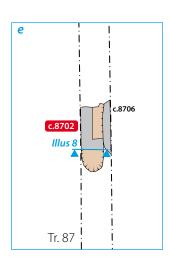




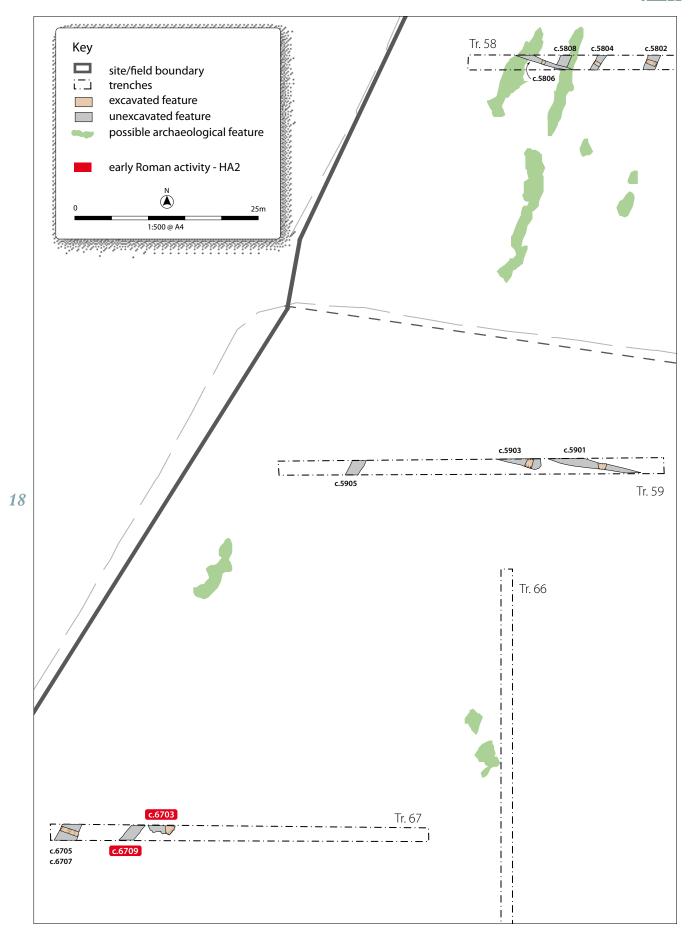




Illus 11 Roman features



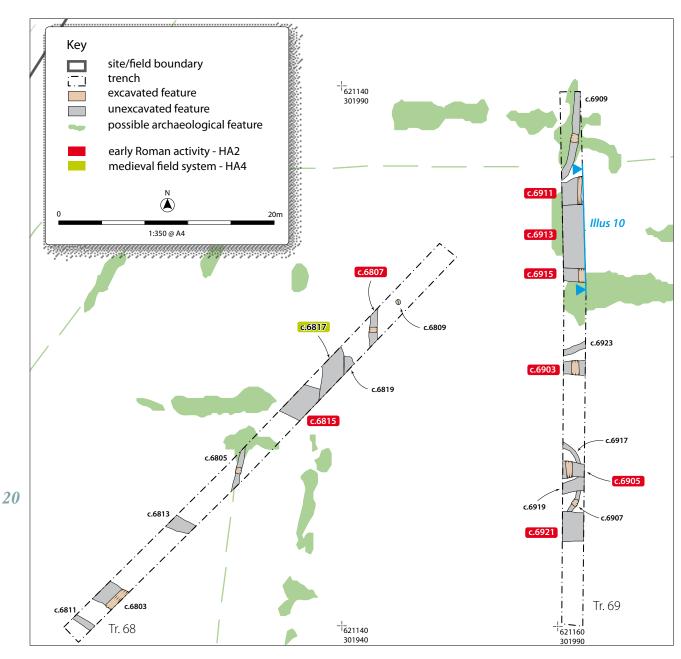




Illus 12Early Roman features

Illus 13Early Roman and medieval features (Tr 54, 55, 56)





Illus 14Early Roman and medieval features (Tr 68 & 69)

Description	Trench no.	Feature nos	Significance of HA (Low, Medium, High) and of local, regional, national, international interest
HA1 – LBA/IA activity	6, 8, 34	[603], [605], [804], [806], [3403], [6909]	Medium significance of local interest
HA2 – early Roman activity	53, 54, 55, 56,	[4302], [4505], [5206], [5211], [5503], [5406], [5505], [5616], [5620], [5701], [5806], [6807], [6815], [6903], [6905], [6909], [6911], [6915], [6921], [7903], [8702]	Medium significance of local interest
HA3 – late Roman activity	85, 88, 90	[8503], [8805], [9005], [9102]	Medium significance of local interest
HA4 – Medieval field systems	55, 56, 68, 79, 80	[5514], [5610], [6817], [7905], [8003]	Low significance of local interest

Table 1 Heritage Assets (HA)

3.6 Undated

A large number of excavated features across the DA failed to produce any datable evidence or finds in general. The majority of these features were located in Fields 3, 4 and 5. All share similar properties and alignments to nearby datable features and many appear to correspond with anomalies shown in the previous geophysical survey (Illus 5 and 7) they area likely to represent further evidence of Roman or medieval field systems. The Excavated medieval and early Roman features generally contained the similar fills, making it difficult to associate these undatable features with either period.

3.7 Description of the significance of the Heritage Assets

The regional research contexts are provided by Glazebrook (1997), Brown & Glazebrook (2000), and Medlycott and Brown (2008) the aims of which are to survey and evaluate our current understanding of the region's historic environment. Late Bronze Age and Iron Age remains within the DA do not contribute specifically to the research aims outlined in these documents. However, they have the potential to contribute to our general understanding of the period in the region. Medlycott and Brown highlight the need for greater understanding of the relationship between late Iron Age/Early Roman and later Roman rural settlements in the eastern region (2008, 65). Remains identified by trial trenching have the potential to contribute to this aim. Furthermore, the concentration of Roman activity in the western part of the DA may be relevant to the ongoing research of the local Roman environs of Venta Icenorum, c.1.5km to the east of the DA.

A summary of the significance of heritage assets identified bt trial trenching is set out in Table 1 below.



4. FINDS ASSESSMENT

Julie Franklin, Ian Rowlandson, Jane Young, Julie Lochrie

The finds assemblage amounted to a sizeable assemblage largely of Roman pottery and ceramic building material. Some earlier prehistoric material was also found as well as a small collection of medieval pottery and some modern finds. These were found in 33 separate trenches. The finds are quantified by trench in the Table 2.

4.1 Prehistoric and Roman pottery

A group of Prehistoric and Roman pottery was presented for study from the site (388 fragments, 2.910kg). The pottery has been discussed and recorded according to the Study Group for Roman pottery (Darling 2004) augmented by abbreviations recommended by the Prehistoric Ceramics Research Group (PCRG 1997). The author wishes to thank Jane Young and Margaret Darling for discussing the assemblage and providing reference material. A summary of the pottery dating evidence by context is given in Table 3.

The pottery present included a small quantity of prehistoric pottery from contexts (606), (805), (3404) and (6910). Although flint gritted pottery was commonly used during the second millennium BC it continued in use as late as 300BC (Glazebrook 1997). Therefore these sherds should be broadly dated to the later Bronze Age to Iron Age as there are no diagnostic forms present.

The majority of the pottery from the site can be dated to the Roman period. The commonest types present are a variety of sandy wheel thrown greywares (fabrics GREY 1, 2 & 3 see archive for fabric descriptions). The other notable fabrics present include a sherd from a greyware mortarium, Central Gaulish Samian, a fragment from a Oxfordshire red colour coated wall sided mortarium and a small quantity of early Roman 'transitional wares'. There are few distinctive forms present within the assemblage and many of the groups consist of small abraded sherds of greyware and therefore can only be broadly dated to the Roman period. A few groups are noteworthy and are discussed further.

A small number of groups have evidence for transitional handmade/wheel finished pottery and early Roman wheel-made greywares. Context (6704) contained a large proportion of a carinated greyware jar similar to examples from the first century AD site at Needham (Frere 1941, Fig. 7, Frere and Clarke 1942, Fig. 3, 38 & 39). Similar vessels are also present from context (6710) and perhaps also (9103). A range of handmade or wheel finished transitional sandy wares, some with a small proportion of flint inclusions are also present from contexts 5511, 6704, 6912 and 6914. The majority of these sherds are from large jars or bowls and probably represent vessels in use in

the second half of the first century AD perhaps into the early second century AD

Contexts, (1901) and (1903), contained groups of 4th century pottery. The pottery from these two contexts consists of a range of fabrics including Oxfordshire red colour-coat, Oxfordshire red colour-coated mortaria, fragments from painted and rouletted colour coated beakers, local greywares and South Midlands Shell-gritted types. These two contexts should be dated to the 4th century. The presence of South Midlands shell gritted types in context (1901) suggests a date in the later 4th century AD.

A further two late Roman contexts, (9005) and (9007), also contain diagnostic late Roman sherds including a fragment of a wall sided Oxfordshire red colour coat mortarium, a colour coated sherd probably from the Nene Valley and fragments of greyware jars. These groups also date to the 4th century AD.

This group suggest that the ceramic requirements of the inhabitants of the site were mostly met by local coarse ware industries and they either had little need or access to imported tablewares in the early Roman period. A more significant quantity of fineware sherds is evident amongst the late Roman groups which suggest greater access to traded goods in this period. These interpretations should be viewed with caution given the size of the assemblage as a whole.

4.2 Medieval pottery

Asmall group of 60 post–Roman sherds (236g) representing 27 vessels was recovered. The material mainly comprises individual small body sherds, although Context (7906) produced 31 sherds from four vessels. The pottery ranges in date from the Saxo–Norman to medieval periods and was probably almost entirely manufactured within Norfolk. The majority of the vessels (16 in total) are in unglazed handmade Early Medieval Ware (Jennings 1981, 41–47) which although extending into the 13th century is more commonly found on 11th to 12th century sites. None of the pottery dates to later than the 13th to 14th centuries.

The small group of three single-sherd vessels recovered from Context (5515) contains sherds from two Grimston-type ware (GRIM) jugs of general 13th to 14th century date as well as a tiny fragment from an Early Medieval Ware jar. The largest jug sherd, a basal fragment, is quite abraded suggesting that this material does not represent primary discard.

A slightly larger group of 15 sherds was recovered from Context (5605). Again, most of the vessels are represented by a single, often tiny, sherd. This group however looks less abraded than that from Context (5515). Twelve

Trench no.	Pottery (PH)	Pottery (Rom)	Pottery (Medi)	СВМ	Fired clay & daub	Chipped stone	Coarse stone	Other Roman finds	Modern finds
6	2								3
7						1			
8	12					52			
19		38		15	106g	220		2	
34	2								
40						1			
42									
43		6							
44						2			
45		4		2					
51		2					40g		
52		4					266g		
53		1							
54		2				15			
55		6	3	1			139g		
56		4	23						
57		3							
59		2		3			289g		
67		85				81			
68		5	2						
69	3	33				24			1
77									3
78									
79		2	31			1			
80			1		87g	11			
81									
83		4							7
85		5		2		1			
86						15			
87		20		1	40g	258			
88		20		17	625g	72			11
90		84		9	7g	148		3	
91		39				4			5
Total	20	368	60	50	865g	906	734g	4	31



sherds are from eight thin-walled Early Medieval Ware vessels, probably all jars. The single Thetford-type sherd is the rim of a small flanged bowl of general 10th to mid 12th century date. A tiny fragment from a small jar is in Stamford ware, although the dirty fabric may suggest that it is a variant type made outside of Stamford itself. A small and very abraded sherd is in 13th to 14th century medieval Grimston ware. This sherd is in a totally different condition to the other sherds, probably suggesting that it intrusive, possibly from ploughing. The rest of the group probably belongs to the period between the 11th and mid 11th centuries.

Context (5611) contained eight small sherds from six different vessels. Five of the vessels are thin-walled Early Medieval ware jars of general 11th to mid 13th century type but one sherd is from a 13th to 14th century Grimston ware jug.

A tiny sherd of Early Medieval ware and an unglazed jug rim of probable local production (LMUWJ) were recovered from Context (6818). The jug rim is slightly in-turned suggesting a 13th century date.

The largest group of sherds was recovered from Context (7906) (31 sherds), however only four vessels are represented. One of the sherds is from a Norfolk Early Medieval Sandwich Ware (EMSW) jar, which is probably residual in the group. Twenty-eight sherds in a fairly fresh condition are from a single, probably local, glazed jug. No diagnostic features are present to enable the vessel to be dated to closer than the 13th to 14th centuries. The two other sherds are from two different Grimston ware jugs of 13th to 14th century medieval type.

A single rim sherd from a small Early Medieval Ware jar was recovered from Context (8004). The rim edge of

Table 3Pottery spot dating summary by context

Trench no.	Context no.	Spot date	Comments	Sherd	Weight
6	606	LBA-IA	Two flint tempered sherds- Probably late Bronze Age to mid Iron Age	2	10
8	803	LBA-IA/ ROM	Fragments from a flint gritted handmade jar and a single ?intrusive Roman sherd from a sample	10	121
8	805	LBA-IA	Two small flint gritted sherds	2	2
19	1901	L4	A medium sized group including Oxfordshire colour-coat and fragments from South Midlands Shell gritted jars	28	259
19	1903	4C	A small group including a fragment from a colour-coated beaker	10	37
34	3404	LBA-IA	Two small flint gritted sherds	2	6
43	4303	ROM	Small abraded scraps	6	7
45	4506	ROM	A small group of greyware body sherds	3	9
45	4511	ROM	A single greyware sherd	1	14
51	5104	ROM	A small group of Roman greyware	2	6
52	5208	ROM?	Two small abraded sherds	2	3
52	5212	ROM	Two small greyware sherds	2	2
53	5304	ROM	A single greyware sherd	1	4
54	5407	ROM	Roman greyware	2	2
55	5505	ROM	Three small abraded greyware sherds	3	8
55	5507	ROM?	A small group of sherds	2	15
55	5511	ROM	A single basal sherd. Early Roman?	1	38
56	5603	ROM	A single greyware sherd	1	1
56	5617	ROM	A single sherd	1	3
56	5621	ROM	A single sherd	2	5
57	5701	3-4C	A single greyware mortarium sherd	2	11
57	5707	ROM	A tiny rim scrap	1	1

© Headland Archaeology (UK) Ltd 2012

this vessel is decorated with finger-pressings. The jar is of 11th to mid 13th century date.

4.3 Ceramic building material (CBM)

The ceramic building material recovered from the site is probably all of Roman date, although four pieces are completely undiagnostic and could date to the post-Roman period (RTMISC). The assemblage comprises 50 fragments from 34 different tiles and bricks mainly in a slightly abraded condition. The identifiable Roman collection includes examples of Tegula, Imbrex, and brick in a range of different, most probably local fabrics. Some of the Roman bricks and tiles used are in fabrics similar to those found used for the fired clay and daub found on the site, but the fabrics have been refined. One small fragment from deposit [8704] has possibly been reused as a tessera, but it is by no means certain. The small size of the recovered Roman assemblage could suggest that material may have been previously robbed from the site,

either for reuse in the Roman period or possibly in the post-Roman period. Roman brick is incorporated into the fabric of the Saxo-Norman nave and chancel of St. Mary the Virgin Church in Swardeston village.

The largest assemblage came from deposit (8806) (17 fragments representing 13 tiles or bricks). Some of these fragments are of quite a large size. The group includes examples Tegula, brick and Imbrex, one of which may have been a ridge tile. Other deposits produced only small numbers, or single examples, although the seven broken pieces from a single brick or Tegula found in deposit (9006) and the fragment of Roman brick from deposit (4513) are of reasonable size.

4.4 Fired clay & daub

Only a small amount of heat-affected clay was recovered from the site (140 fragments weighing 865g in total), most of which is in a very abraded and fragmentary condition.

Trench no.	Context no.	Spot date	Comments	Sherd	Weight
59	5904	ROM	Two roman sherds	2	9
67	6704	ML1	A medium sized group including a large proportion of a coarse greyware jar. Conquest period or Flavian- similar to a Claudian group from Needham (Frere 1941, Fig. 7, Frere and Clarke 1942, Fig. 3. 38 & 39)	83	549
67	6710	EROM	Two sherds from a burnished jar in a coarse greyware jar. Possibly same vessel as context 6704	2	9
68	6816	EROM	Two sherds from a coarse greyware jar	2	36
69	6904	ROM	An abraded rim sherd. Early Roman?	1	7
69	6906	ROM	Two small greyware sherds	2	8
69	6910	LBA-IA	Three small sherds	3	10
69	6914	ROM	A small group including a fragment of a large jar	3	34
69	6916	ROM	Two greyware sherds	2	8
69	6922	ROM	A small group of tiny abraded scraps	9	16
79	7904	ROM	Two abraded sherds from a single vessel	2	4
83	8305	ROM	A small group of greyware	4	5
85	8504	3-4C	A small group including a colour coated sherd	5	33
87	8703	2C	A single abraded Samian sherd (post AD120)	10	43
87	8703	ROM	A small abraded group including a fragment of an jar rim	10	43
87	8704	ROM	A small group including a greyware base	10	62
88	8806	3-4C	A small group including a fragments from a large greyware jar	20	339
88	8806	ROM	Two abraded greyware sherds	20	339
90	9005	M4+	A medium sized group including fragments from a greyware jar and a wall sided mortarium in an Oxfordshire colour coated mortarium	38	688
90	9007	3-4C	A medium sized group including a fragment of a greyware dish and a colour coated beaker	46	150
91	9103	ROM	Fragments from a single grey ware jar in a sandy fabric. Early Roman?	39	234



A number of different fabrics within a range of similar inclusions were used for the material, suggesting that little preparation was done to the originally dug clay. Sixteen of these fragments have partial wattle impressions indicating that they can be identified as structural daub. Most of the pieces are all small-sized and only in three cases could wattle diameters be measured (ranging between 10 and 26 mm).

In ten instances, fragments of fired clay have one or two flattened surfaces, unfortunately they are all too fragmentary to identify a form or function for them, but although possibilities include clay flooring, hearth base, kiln plate and kiln lining, most are likely to be daub. One piece of fired clay has one partially curved surface and two fragments from the same original piece form a small crude ball. The curved fragment may have originally formed part of an oven or kiln dome, although it is also a possibility that it came from a low-fired object such as a loom weight or rounded kiln prop. The presence of a few high heat-affected fragments may be evidence for a high temperature process such as metal working in the locality, but could just be the result of a structural fire.

The largest group of material, some one hundred and four fragments came from deposit (8806). Whilst only fourteen fragments are positively identifiable as structural daub the similarity of most of the more fragmentary material from this deposit suggests that it too represents disintegrated daub.

4.5 Worked flint

The chipped stone numbers 906 pieces. The majority of this consists of small fragmentary pieces of poor condition, usually burnt, abraded and/or patinated. Some of the fragmentary pieces may be accounted for as natural shatter but the level of burning and breakages makes these difficult to identify with certainty.

Only nine tools were identified. None of these fit into well defined or readily datable tool types but several have shared characteristics such as concave distal retouch, semi invasive retouch or shallowly concave retouch and double ventral flakes. This suggests roughly contemporary activity across the site.

Several flakes from Trench 87 had one thicker lateral edge, created by the removal of a flake from the opposing direction. This may have been a technique to facilitate hafting or usage but is more likely evidence for a method of reducing by multi-platform core. It would suggest that knapping was expedient and suited to fix the tasks at hand. The similarity of material noticed across the contexts in this trench also makes it likely the activity was contemporary.

Some reuse of materials is indicated by a tool from Context

(9106). It has been created on a severely patinated and abraded flake. A long period of time must separate the creation of the flake and the application of retouch to allow the flint to weather to this extent.

The chipped stone finds provide enigmatic evidence. While some similarities suggest a broadly contemporary date for some of the assemblage, other features indicate long periods of time passing between periods of activity.

4.6 Stone finds

A number of pieces of pumice stone (734g) were recovered from context (5104), (5207), (5505) and (5905). Typically these have abraded rounded edges and may have been used as abrasive tools on site.

4.7 Other Roman finds

Four iron finds are of probable Roman date. Three hobnails were found in close association in Trench 90 (9006), while a larger object, possibly a nail was found in Trench 19 [1902]. A fragment of glass, from deposit (1901) is also potentially of Roman date, though is largely undiagnostic and a modern date cannot be ruled out.

Only a small amount of heat-affected clay was recovered from the site (140 fragments weighing 865g in total), most of which is in a very abraded and fragmentary condition. A number of different fabrics within a range of similar inclusions were used.

4.8 Modern finds

Modern finds included creamware pottery, bottle glass, and a copper alloy button, iron nails, a hook, key and a washer. These were concentrated in the topsoil, contexts (204), (6912), (7700), (8300), (8806) and (9100).

5. ENVIRONMENTAL ASSESSMENT

Scott Timpany

5.1 Sample assessment

The results of the assessment are presented in Appendix 2 (Retent samples and Flot samples). All material was preserved through charring. Material suitable for AMS (Accelerated Mass Spectrometry) radiocarbon dating is shown in the tables.

Twenty samples were processed for Environmental assessment. Charred cereal grain was recovered from eight

samples (see Appendix 2). Grain abundance ranged from rare to common in six samples (02, 03, 08, 09, 11 and 16), with three samples containing abundant quantities (04, 10 and 100). The assemblage was dominated by hulled barley (Hordeum vulgare) in samples 04 and 10 and emmer wheat (Triticum dicoccum) in Sample 100 with significant quantities of oat (Avena sp.) and club/bread wheat (Triticum aestivo-compactum). Smaller quantities of spelt wheat (Triticum spelta) and indeterminate cereal (too badly preserved to identify to type) were also recovered. The charred grain assemblage showed good levels of preservation in most samples, with few grains seen to be broken and/or abraded as highlighted by the small quantities of indeterminate grain. Sample 100, however, contained a high proportion of poorly preserved grain with a significant amount fount to be broken and strongly abraded. The assemblage within Sample 100 may be of an earlier date than the other samples given the abundance of emmer wheat within the sample.

Two samples (002 and 100) were found to contain a small quantity of ruderals in the form of goosefoot sp. (Chenopodium sp.), ribwort plantain (Plantago lanceolata), brome sp. (Bromus sp.) and docks (Rumex sp.), together with wet ground taxa of sedges (Carex sp.) and possible spikerush (cf Eleocharis sp.). The presence of field pea (Psium sativum) within Sample 04 indicates the possible cultivation of legumes.

Charcoal fragments were recovered from all but three samples (04, 11 and 12), with quantities ranging from rare to abundant (see Tables 1 and 2). Charcoal sizes ranged from <0.5cm to 2cm with some the larger fragments being found in those samples with the largest quantity of fragments, which may indicate either *in situ* burning or deliberate discard of charcoal. Charcoal fragments were observed by eye to be a mixture of oak sp (*Quercus* sp.) and non-oak sp.

5.2 Faunal remains assessment

Claudia Tommasino Suárez

Methodology

Identification and quantification

The assemblage was retrieved by hand collection, was assessed broadly by class and species where possible and was quantified using NISP (Number of Identified Specimens) (Grayson 1984; O'Connor 2004; Reitz and Wing 1999). This was determined through assessment of parts of the carcass, preservation of the bones, epiphysial fusion, measurable bones or genus according to Schmidt (1972) and using modern animal bone reference material. The mammal specimens that could not be assigned to a species were recorded using the categories "large mammal" (lm), "medium mammal 1" (mm1), "medium

mammal 2" (mm2) and "small mammal" (sm) (Harland et al 2003). The specimens categorised as "large mammal" could belong to cattle, horse or a big cervid such as red deer. The "medium mammal 1" category refers to sheep, goat, pig or small cervids. The skeletal elements were divided into the four parts of the skeleton for the purposes of discussion: head (skull, mandible); axial carcass or trunk (vertebrae and ribs); meaty bones or upper limbs (scapulae, pelvis and its respective limb); and feet or lower limbs (metapodials, phalanges and carpals/tarsals).

Context no.	Weight (g)	NISP	NISP %
803	4	18	7.0
4413	811.9	19	7.4
5207	0.8	12	4.7
5212	3.8	3	1.2
5415	19.2	5	1.9
6404	37.2	2	0.8
6704	18.3	97	37.7
6912	178.9	27	10.5
7807	90.3	2	0.8
7815	17.1	2	0.8
7906	16.6	9	3.5
8000	14.6	9	3.5
8703	4.3	1	0.4
8806	136	20	7.8
9006	46	30	11.7
9103	20.7	1	0.4
Total	1419.7	257	100

27

Table 4Bone recovery by context

Results

A total of 257 specimens were found within the DA (see Table 4). The identifiable bones are mostly between 10–30% complete and in a poor/fair state of preservation. 75% of the bones are unidentifiable due to a high level of fragmentation. However, an almost complete cattle skull was found in a good state of preservation.

All of the animal species identified are mammals, and all of them relate to adult specimens. Small mammals, birds and rodents were absent (see Table 4). Diagnostic elements include metapodials, long bones, scapula, pelvis and tarsals. The best represented part of the carcass is the head with numerous teeth, skull, horns and mandibles amongst the assemblage. Only one specimen is suitable for measurement while two horn cores and one teeth row could be evaluated for ageing. Eighty-six burnt bones are



present in the assemblage and one tooth shows signs of a non-pathological condition.

All the species present at the site have been commonly found in England from the Bronze Age onwards (Albarella 1997; Dyer 2002; Pollard 2008,).

Context no.	Cattle	Horse	Pig	Sheep	lm	mm1	uni	NISP Total
803	-	-	-	-	-	3	15	18
4413	6	-	-	-	-	-	13	19
5207	-	-	-	-	-	-	12	12
5212	-	-	-	-	-	-	3	3
5415	5	-	-	-	-	-	-	5
6404	-	-	-	-	2	-	-	2
6704	-	-	-	-	-	1	96	97
6912	20	-	1	-	-	-	6	27
7807	-	1	-	-	-	-	1	2
7815	-	-	-	-	2	-	-	2
7906	-	-	-	-	-	-	9	9
8000	-	-	-	-	-	-	9	9
8703	-	-	-	-	-	-	1	1
8806	6	1	-	-	1	-	12	20
9006	10	-	-	1	3	-	16	30
9103	1	-	-	-	-	-	-	1
NISP Total	48	2	1	1	8	4	193	257

Table 5Species by context

6. DISCUSSION

28

Trial trenching evaluation within the DA revealed archaeological remains representing field systems and probable settlement activity from the late Bronze Age to the medieval period with the majority of activity occurring during the Roman period. Environmental samples indicated that preservation of palaeo-environmental remains (charred seeds and charcoal) within archaeological deposits is reasonably good across the site. The majority of animal bone was poorly preserved and fragmentary.

Trenching demonstrated the presence of late Bronze Age to Early Iron Age activity within the DA (HA1). The majority was located in the northern part of the DA, in Field 1 and took the form of pits and postholes, albeit the concentration of features was relatively low. Further to the south in Field 5 a broadly E-W aligned ditch of similar date and fill was uncovered which may be the remains of a boundary feature or enclosure/field system.

Though dispersed over a wide area, the totality these remains hint at low-level LBA/IA activity within the DA, similar to that found to the north of Mangreen Hall Farm (Smith 2008).

The largest concentration of remains comprised an area of activity within Fields 3 and 5, along the western edge of the DA (HA2). These mainly comprised ditches with associated pits and a possible roundhouse gully. Although many of the remains within HA2 were undated, their morphology indicates they are also from the Roman period. Geophysical survey indicates these remains form part of a contiguous, c.500m long, c.50m wide corridor of enclosures and field systems running parallel with the western edge of the DA. The artefact assemblage, comprising pottery and animal bone indicates low-level settlement activity. A second focus of Roman activity was identified in Field4. These comprised ditches and a single scatter of postholes and were of similar density to remains in Fields 3 and 5. Other early Roman remains comprised a probable hearth in the southern part of Field 5.

By the late Roman period in the 3rd to 4th centuries activity appears to have shifted to the SE corner of the DA. Remains comprised a series of enclosure ditches containing comparatively large amounts of pottery (HA3). These are likely to represent settlement activity, albeit on over a smaller area than remains in Fields 3 and 5. A second focus of activity from this period was located in the northern part of the DA, in Trench 19, comprising a series of parallel E-W aligned ditches likely to represent land divisions or trackside ditches.

Despite the proximity of the DA to the suspected site of the medieval village of Gowthorpe (to the west of the DA) only a small number of medieval features were identified on the western edge of the DA (HA4). These comprised ditches and a single pit, most of which contained relatively large assemblage of pottery when compared to the nearby Roman features. The medieval features were morphologically similar to the Roman ditches and pits and it is possible some of the field systems and enclosures identified by geophysical survey may be medieval in origin. These remains represent some form of activity from the 11th–14th centuries. However, their character cannot be fully ascertained from the available evidence.

The findings of the evaluation in part confirm the results of the previous geophysical survey, particularly in the western part of the DA. However, remains in the east of Field 3/west of Field 4 were not picked up by geophysical survey. This indicates that geophysical survey was only partially successful at identifying archaeological remains within the DA – possibly as a result of differential response to variations in geology. Conversely, trial trenching was very successful at identifying remains, including apparently dispersed late Bronze Age/early Iron Age activity. The presence of subsoils across the majority of

the DA indicate that archaeological remains are broadly unaffected by modern ploughing. However, the subsoils themselves are likely to be the result of post-medieval ploughing, which would have caused some truncation to the underlying archaeological remains.

The totality of remains encountered indicates that land within the DA was used within the late Bronze Age/Iron Age, Roman, medieval and post-medieval periods. Overall the evaluation has succeeded in characterizing the archaeological potential of the DA and has increased our understanding of these periods on a local and regional scale. It has also provided evidence of Roman activity within the catchment area of the Roman town and scheduled monument of Ventor Icenorum, 1.5km to the north of the DA.

7. REFERENCES

7.1 Bibliography

- Albarella, U 1997 'Size, power, wool and veal: zooarchaeological evidence for late medieval innovations', *Environment and subsistence in Medieval Europe* Papers of the 'Medieval Europe Brugge 1997' Conference 9, pp. 19–30.
- Bartlett, A 2010 Mangreen Quarry, Swardeston, Norfolk: Report on an Archaeo-Geophysical Survey.
- Brown, N & Glazebrook, J 2000 Research and Archaeology: a framework for the Eastern Counties – 2 Research Agenda and Strategy. East Anglian Archaeology Occasional Paper 8.
- Darling, M J, 2004 'Guidelines for the archiving of Roman Pottery' *Journal of Roman Pottery Studies* 11, pp. 67–74. Dyer, J 2002 *Ancient Britain*, Routledge, USA.
- Frere, S, 1941 *A Claudian site at Needham, Norfolk,* Ant. J. 21 pp. 40–55.
- Frere, S & Clarke, R, 1941 'The Romano-British Village at Needham, Norfolk', *Norfolk and Norwich Archaeological Society* 28, pp. 187–216.
- Glazebrook, J 1997 Research and Archaeology: A Framework for the Eastern Counties 1 Resource Assessment, East Anglian Archaeology Occasional Paper 3.

- Grant J, Rowlandson, I & Sutherland, M 2003 Land at Mangreen Hall Farm, Swardeston, Norfolk: An Archaeological Field Survey, Unpublished client report, Hertfordshire Archaeological Trust.
- Grayson, D. 1984 *Quantitative Zooarchaeology*, Academic Press Inc, Washington.
- Harland, J F, Barrett, J H, Carrott, J, Dobney, K, & Jaques, D 2003 'The York System: An integrated zooarchaeological database for research and teaching', *Internet Archaeology* 13.
- Headland Archaeology (UK) Ltd 2011 Archaeological Trial Trenching at Mangreen Quarry, Swardeston, Norfolk: Method Statement for Archaeological Works, Unpublished client report, Headland Archaeology (UK) Ltd.
- Jennings, S, with Karshner, MM, Milligan, WF, & Williams, SV 1981 'Eighteen centuries of pottery from Norwich', East Anglian Archaeology Report No. 13. The Norwich Survey, Norwich.
- Medlycott, M & Brown, N 2008 Revision of the Regional Archaeological Framework for the Eastern Region, ALGAO East of England.
- Norfolk County Council 2011 Brief for Archaeological Evaluation by Trial Trenching at the proposed extension to Mangreen Quarry.
- O'Connor, T 2004 *The archaeology of animal bones*, Sutton Publishing Ltd, Great Britain.
- PCRG, 1997 The Study of Later Prehistoric Pottery: General Policies and Guidelines for analysis and Publications, Prehistoric Ceramic Research Group, Occasional Paper Nos 1 and 2, revised 1997.
- Pollard, J 2008 *Prehistoric Britain*, Blackwell Publishing Ltd, UK.
- Reitz, EJ & Wing ES 1999 Zooarchaeology Cambridge manuals in archaeology, Cambridge University Press, Cambridge.
- Richmond, A 2011 Specifications for a programme of archaeological trial trenching; Proposed extension to Mangreen Quarry, Swardeston, Norfolk (PC358b), Phoenix Consulting Archaeology Ltd.
- Schmidt, E 1972 *Atlas of animal bones*, London: Elsevier Publishing Company.
- Smith, L 2008 Mangreen Hall Farm, Swardeston, Norfolk, Monitoring of Works under Archaeological supervision and control, Archaeological Solutions.
- Thompson, P 2010 Archaeological desk-based assessment: Mangreen Hall Farm, Swardeston, Norfolk, Archaeological Solutions, Unpublished client report.



APPENDICES

Appendix 1 – Site registers

Trench register

Trench no.	Length (m)	Orientation	Description	Min Depth to Nat (m)
001	50	E-W	0–0.30m plough soil; 0.30–0.40m subsoil; 0.40m+ natural clay and gravel	0.4
002	50	E-W	0–0.35m plough soil; 0.35–0.45m subsoil; 0.45m+ natural clay and gravel	0.45
003	50	E-W	0-0.35 m plough soil; $0.35-0.45 m$ subsoil; $0.45 m+$ natural clay and gravel	0.45
004	50	NNE-SSW	0–0.30m plough soil; 0.30–0.40m subsoil; 0.40m+ natural clay and gravel	0.4
005	50	N-S	0–0.30m plough soil; 0.30–0.40m subsoil; 0.40m+ natural clay and gravel	0.4
006	50	NW-SE	0–0.35m plough soil; 0.35–0.45m subsoil; 0.45m+ natural clay and gravel	0.45
007	50	E-W	0-0.35 m plough soil; $0.35-0.45 m$ subsoil; $0.45 m+$ natural clay and gravel	0.45
800	50	N-S	0–0.35m plough soil; 0.35–0.45m subsoil; 0.45m+ natural clay and gravel	0.45
009	50	N-S	0–0.30m plough soil; 0.30–0.40m subsoil; 0.40m+ natural clay and gravel	0.4
010	50	N-S	0-0.35m plough soil; 0.35-0.45m subsoil; 0.45m+ natural clay and gravel	0.45
011	50	E-W	0-0.35m plough soil; 0.35-0.45m subsoil; 0.45m+ natural clay and gravel	0.45
012	50	E-W	0-0.35m plough soil; 0.35-0.45m subsoil; 0.45m+ natural clay and gravel	0.45
013	50	N-S	0–0.35m plough soil; 0.35–0.45m subsoil; 0.45m+ natural clay and gravel	0.45
014	50	E-W	0-0.30m plough soil; 0.30-0.50m subsoil; 0.50m+ natural clay and gravel	0.5
015	50	N-S	0-0.35m plough soil; 0.35-0.45m subsoil; 0.45m+ natural clay and gravel	0.45
016	50	E-W	0-0.30m plough soil; 0.30-0.50m subsoil; 0.50m+ natural clay and gravel	0.5
017	50	NNW-SSE	0-0.35m plough soil; 0.35-0.45m subsoil; 0.45m+ natural clay and gravel	0.45
018	50	NE-SW	0-0.35m plough soil; 0.35-0.45m subsoil; 0.45m+ natural clay and gravel	0.45
019	51	NE-SW	0-0.20m plough soil; 0.20-0.42m subsoil; 0.42m+ natural geology	0.42
020	50	NE-SW	0-0.20m plough soil; 0.20-0.43m subsoil; 0.42m+ natural geology	0.43
021	50.6	E-W	0-0.20m plough soil; 0.20-0.44m subsoil; 0.44m+ natural geology	0.44
022	50.4	N-S	0-0.20m plough soil; 0.20-0.43m subsoil; 0.43m+ natural geology	0.43
023	50.1	E-W	0-0.29m plough soil; 0.29-0.57m subsoil; 0.57m+ natural geology	0.57
024	50	N-S	0-0.29m plough soil; 0.29-0.55m subsoil; 0.55m+ natural geology	0.55
025	50	E-W	0-0.26m plough soil; 0.26-0.50m subsoil; 0.50m+ natural geology	0.5

026	50.1	N-S	0-0.21m plough soil; 0.21-0.42m subsoil; 0.42m+ natural geology	0.42
027	50	E-W	0-0.18m plough soil; 0.18-0.42m subsoil; 0.42m+ natural geology	0.42
028	50	E-W	0-0.29m plough soil; 0.29-0.44m subsoil; 0.44m+ natural geology	0.44
029	51	N-S	0-0.20m plough soil; 0.20-0.44m subsoil; 0.44m+ natural geology	0.44
030	50.6	N-S	0-0.20m plough soil; 0.20-0.44m subsoil; 0.44m+ natural geology	0.46
031	50	E-W	0-0.31m topsoil; 0.31-0.68m subsoil; 0.68m+ natural geology	0.68
032	50.2	E-W	0-0.20m plough soil; 0.20-0.45m subsoil; 0.45m+ natural geology	0.45
033	37	N-S	0-0.35m plough soil; 0.35-0.6m subsoil; 0.6m+ natural gravel	0.6
034	50	E-W	0-0.35m plough soil; 0.35-0.55m subsoil; 0.55m+ natural gravel	0.55
035	50	N-S	0-0.20m plough soil; 0.20-0.4m subsoil; 0.4m+ natural gravel	0.4
036	50	E-W	0-0.20m plough soil; 0.20-0.57m subsoil; 0.57m+ natural gravel	0.57
037	50	N-S	0-0.23m plough soil; 0.23-0.45m subsoil; 0.45m+ natural gravel	0.45
038	50	E-W	0-0.3m plough soil; 0.3-0.45m subsoil; 0.45m+ natural gravel	0.45
039	50	N-S	0-0.35m plough soil; 0.35-0.55m subsoil; 0.55m+ natural gravel	0.55
040	50	N-S	0-0.3m plough soil; 0.3-0.5m subsoil; 0.5m+ natural gravel and sand	0.5
041	50	E-W	0–0.3m plough soil; 0.3–0.45m subsoil; 0.45m+ natural gravel and clay	0.45
042	50	N-S	0-0.3m plough soil; 0.3-0.4m subsoil; 0.4m+ natural gravel	0.4
043	50	E-W	0-0.23m topsoil; 0.23-0.35m subsoil; 0.35m+ natural geology	0.35
044	46	E-W	0-0.30m topsoil; 0.30m+ natural geology	0.3
045	50	N-S	0-0.4m plough soil; 0.4-0.7m subsoil; 0.7m+ natural gravel	0.7
046	50	WNW-ESE	0-0.35m topsoil; 0.35m natural sands	0.35
047	50	NW-SE	0-0.45m topsoil; 0.45-0.55m subsoil; 0.55m+ natural geology	0.55
048	50	E-W	0-0.35m topsoil; 0.35-0.65m subsoil; 0.65m+ natural geology	0.65
049	50	N-S	0-0.33m topsoil; 0.33m+ natural gravel and sand	0.33
050	50	E-W	0-0.35m topsoil; 0.35-0.45m subsoil; 0.45m+ natural geology	0.45
051	50	N-S	0-0.40m topsoil; 0.40-0.80m subsoil; 0.80m+ natural geology	0.8
052	50	E-W	0-0.30m topsoil; 0.30-0.40m subsoil; 0.40m+ natural geology	0.4
053	50	WNW-ESE	0-0.40m topsoil; 0.40-0.60m subsoil; 0.60m+ natural geology	0.6
054	50	E-W	0-0.30m topsoil; 0.30-0.50m subsoil; 0.50m+ natural geology	0.5
055	50	E-W	0-0.30m topsoil; 0.30-0.55m subsoil; 0.55m+ natural geology	0.55
056	50	N-S	0-0.30m topsoil; 0.30-0.40m subsoil; 0.40m+ natural geology	0.40
057	50	N-S	0-0.30m topsoil; 0.30m+ natural geology	0.3
058	50	E-W	0-0.30m topsoil; 030-0.40m subsoil; 0.40m+ natural geology	0.4
059	50	E-W	0-0.35m topsoil; 0.35m+ natural geology	0.35
060	50	N-S	0-0.30m topsoil; 030-0.40m subsoil; 0.40m+ natural geology	0.4
061	50	N-S	0-0.30m topsoil; 030-0.40m subsoil; 0.40m+ natural geology	0.4
062	50	N-S	0-0.35m topsoil; 0.35m+ natural geology	0.35
063	50	E-W	0-0.30m topsoil; 030-0.45m subsoil; 0.45m+ natural geology	0.45
064	50	E-W	0-0.30m topsoil; 0.30-0.55m subsoil; 0.55m+ natural geology.	0.55
065	50	E-W	0–0.30m topsoil; 030–0.45m subsoil; 0.45m+ natural geology	0.45
066	50	N-S	0-0.30m topsoil; 030-0.45m subsoil; 0.45m+ natural geology	0.45
067	50	E-W	0-0.25m topsoil; 0.25-0.40m subsoil; 0.40m+ natural geology	0.40



068	50	NE-SW	0-0.25m topsoil; 0.25-0.40m subsoil; 0.40m+ natural geology	0.4
069	50	N-S	0-0.25m topsoil; 0.25-0.40m subsoil; 0.40m+ natural geology	0.4
070	50	E-W	0-0.25m topsoil; 0.25-0.65m subsoil; 0.65m+ natural geology	0.65
071	50	E-W	0-0.20m topsoil; 0.20-0.50m subsoil; 0.50m+ natural geology	0.5
072	50	N-S	0-0.20m topsoil; 0.20-0.52m subsoil; 0.52m+ natural geology	0.52
073	50	N-S	0-0.20m topsoil; 0.20-0.50m subsoil; 0.50m+ natural geology	0.5
074	50	E-W	0-0.20m topsoil; 0.20-0.50m subsoil; 0.50m+ natural geology	0.5
075	50	E-W	0-0.20m topsoil; 0.20-0.50m subsoil; 0.50m+ natural geology	0.5
076	50	N-S	0-0.20m topsoil; 0.20-0.50m subsoil; 0.50m+ natural geology	0.5
077	50	N-S	0-0.27m topsoil; 0.27-0.60m subsoil; 0.60m+ natural geology	0.6
078	50	E-W	0-0.28m topsoil; 0.28m+ natural geology	0.28
079	50	E-W	0-0.34m topsoil; 0.34-0.44m subsoil; 0.44m+ natural geology	0.44
080	50	N-S	0-0.40m topsoil; 0.40m+ natural geology	0.4
081	50	N-S	0-0.30m topsoil; 0.30m+ natural geology	0.3
082	50	N-S	0-0.34m topsoil; 0.34m+ natural geology	0.34
083	50	N-S	0-0.35m topsoil; 0.35-0.65m subsoil; 0.65m+ natural geology	0.65
084	50	N-S	0-0.20m topsoil; 0.20-0.50m subsoil; 0.50m+ natural geology	0.5
085	50	N-S	0-0.35m topsoil; 0.35-0.47m subsoil; 0.47m+ natural geology	0.47
086	50	E-W	0-0.25m topsoil; 0.25-0.55m subsoil; 0.55m+ natural geology	0.55
087	50	N-S	0-0.26m topsoil; 0.26m+ natural geology	0.26
088	50	E-W	0-0.25m topsoil; 0.25-0.65m subsoil; 0.65m+ natural geology	0.65
089	VOID	VOID	VOID	VOID
090	50	N-S	0-0.25m topsoil; 0.25-0.60m subsoil; 0.60m+ natural geology	0.6
091	50	N-S	0-0.33m topsoil; 0.33-0.43m subsoil; 0.43m+ natural geology	0.43

Context register

Context no.	Area	Туре	Description
200	Tr 2	Ploughsoil	Firm dark brown grey silty clay 0.35m thick
201	Tr 2	Interface	Interface between ploughsoil and natural, max depth 0.1m
202	Tr 2	Natural	Light reddish brown clayey sand and gravel
203	Tr 2	Ditch	Linear N-S, sides: shallow base: concave dimensions: length >1.9m, width 0.6m, depth 0.15m
204	Tr 2	F/O [203]	Single fill; compact dark greyish brown sandy clay, occasional flint
600	Tr 6	Topsoil	Firm dark brown grey silty clay 0.35m thick
601	Tr 6	Subsoil	Interface between ploughsoil and natural, max depth 0.1m
602	Tr 6	Natural	Light reddish brown clayey sand and gravel
603	Tr 6	Posthole	Circular posthole NWSE, sides: steep base: slightly concave dimensions: length $0.4m$, width $> 0.2m$ depth $0.13m$
604	Tr 6	F/O [603]	Single fill; compact dark black/grey sandy clay charcoal flecking
605	Tr 6	Posthole	Oval posthole N-S, sides: steep base: u-shaped dimensions: length $0.24 m$, width $0.15 m$, depth $0.07 m$
606	Tr 6	F/O [605]	Single fill; compact dark grey sandy clay
800	Tr 8	Ploughsoil	Firm dark brown grey silty clay 0.35m thick
801	Tr 8	Interface	Interface between ploughsoil and natural, max depth 0.1m
802	Tr 8	Natural	Natural geology
803	Tr 8	F/O 806	Single fill; firm-soft black silty sand
804	Tr 8	Pit	Circular hearth, sides: 45 degrees base: concave dimensions: length 0.6m, width 0.55m, depth: 0.25m
805	Tr 8	F/O [804]	Single fill; soft-firm black silty sand
806	Tr 8	Pit	Circular cremation sides: shallow base: concave dimensions: length 0.3m, width 0.25m, depth $0.11 \mathrm{m}$
1900	Tr19	Pit	2.00m wide pit like feature with steep sloping sides and a flat base
1901	Tr19	F/O [1900]	Dark grey brown sandy fill
1902	Tr19	Ditch	Linear feature 1.80m wide and 0.38m deep
1903	Tr19	F/O [1903]	Mid grey brown sandy fill
2700	Tr27	Ditch	Linear feature 1.00m wide and 0.66m deep with sloping sides and a concave base
2701	Tr27	F/O [2701]	Grey brown compact sandy clay fill
3100	Tr31	Ditch	Shallow linear feature 1.10m wide by 0.24m deep with gradual sloping sides
3101	Tr31	F/O [3100]	Dark brown sandy gravel fill
3300	Tr 33	Topsoil	Firm dark brown grey silty clay 0.35m thick
3301	Tr 33	Subsoil	0.25m thick same as interface?
3302	Tr 33	Natural	Gravel
3303	Tr 33	Pit	Circular pit sides: steep dimensions: length 1.8m, width $>$ 0.8m, depth $>$ 0.5m. Not fully excavated
3304	Tr 33	F/O [3303]	Single fill; soft dark reddish brown gravelly sand
3305	Tr 33	Ditch	Linear ditch NW-SE sides: steep base: concave/v-shaped dimensions: length $>1.9 \mathrm{m}$, width $0.5 \mathrm{m}$, depth $0.25 \mathrm{m}$
3306	Tr 33	F/O [3305]	Single fill, friable dark reddish brown sandy gravel

Context no.	Area	Туре	Description
3307	Tr 33	Ditch	Linear ditch NW-SE sides: steep base: concave dimensions: length .1.9m, width 1.7m, depth 0.55m
3308	Tr 33	F/O [3307]	Single fill; friable dark reddish brown gravelly sand
3309	Tr 33	Ditch	Stepped linear ditch NW-SE sides: stepped base: flattish dimensions: length: .1.9m, width: 1.8m, depth: 0.4m
3310	Tr 33	F/O[3309]	Single fill; friable dark reddish brown gravelly sand
3400	Tr 34	Topsoil	Firm dark brown grey silty clay 0.35m thick
3401	Tr 34	Subsoil	Same as interface?
3402	Tr 34	Natural	Clayey gravel
3403	Tr 34	Pit	Irregular/circular pit sides: steep base: uneven dimensions: length 2.7m, width >1.7m depth: $0.45 m$
3404	Tr 34	F/O [3403]	Single fill; very compact light-mid brown sand
3500	Tr 35	Topsoil	Mid grey brown sandy loam, 0.2m thick
3501	Tr 35	Subsoil	Pale-mid orange brown sandy loam, 0.3m depth revealed
3600	Tr 36	Topsoil	Mid grey brown sandy loam, 0.2m thick
3601	Tr 36	Subsoil	Pale-mid orange brown sandy loam, 0.3m depth revealed
3602	Tr 36	Natural	Pale reddish brown sand
3700	Tr 37	Topsoil	Mid grey brown sandy loam, 0.23m thick
3701	Tr 37	Natural	Pale brownish orange sand w/ patches of light grey brown sand
3800	Tr 38	Topsoil	Mid grey brown sandy loam 0.3m thick
3801	Tr 38	Subsoil	Pale- mid brownish orange brown sandy loam
3802	Tr 38	Natural	Sandy clay and gravel to W, sand to E
3803	Tr 38	Ditch	Linear ditch NW-SE, sides: shallow, base: slightly concave/uneven, dimensions: length $>$ 2.3m, width: 0.58m, depth: 0.15m
3804	Tr 38	F/O [3803]	Single fill; compact dark reddish brown clayey sand
3900	Tr 39	Topsoil	Mid grey brown sandy loam 0.35m thick
3901	Tr 39	Subsoil	Pale brownish orange sand, 0.2m thick
3902	Tr 39	Natural	Gravel (patches of sand)
3903	Tr 39	Pit	Roughly circular pit sides: steep, base: concave, dimensions: length 1.2m, width $>$ 0.5m, depth 0.25m
3904	Tr 39	F/O [3903]	Single fill; friable-soft dark reddish brown gravelly sand
3905	Tr 39	Ditch	Linear ditch NW-SE, sides: shallow, base: concave, dimensions: length >2.1m, width 0.8m, depth 0.22m
3906	Tr 39	F/O [3905]	Single fill; friable dark reddish brown gravelly sand
4000	Tr 40	Ploughsoil	Mid grey brown sandy loam 0.3m thick
4001	Tr 40	Subsoil	Reddish brown sandy gravel, 0.2m thick
4002	Tr 40	Natural	Gravel to N, clayey sand to S
4003	Tr 40	Ditch	Linear ditch E-W sides: fairly steep 45 degrees, base: fairly flat, dimensions: length: $>1.9m$, width: $1.4m$, depth: $0.33m$
4004	Tr 40	F/O [4003]	Single fill; friable light greyish brown gravel and sand
4005	Tr 40	Pit/Ditch	Possibly circular pit or ditch terminus, sides: steep, base: slightly concave, dimensions: length
			>4m, width 1.6m depth 0.3m

-	
12	
	7)

Context no.	Area	Туре	Description
4006	Tr 40	F/O [4005]	Single fill; friable dark reddish brown gravelly sand
4007	Tr 40	Ditch	Linear ditch NW-SE sides: fairly steep, base: double concave, dimensions: length $>1.9 \mathrm{m}$, width 1.6, depth 0.3 m.
4008	Tr 40	F/O [4007]	Single fill; friable dark reddish brown gravelly sand
4009	Tr 40	Bioturbation	Probable tree bowl irregular in shape; loose dark reddish brown gravelly sand; dimensions: length 3.3m width $>$ 1.7m, depth 0.4m
4010	Tr 40	Pit/Linear	Pit or part of linear feature with uncertain shape, sides: steep, dimensions: unknown length, width $>1.5 m$, depth $0.7 m$
4011	Tr 40	F/O [4010]	Single fill; friable dark reddish brown gravelly sand
4100	Tr41	Ploughsoil	Mid grey brown sand loam 0.3m thick
4101	Tr 41	Subsoil	Reddish brown sandy gravel, 0.15m thick
4102	Tr 41	Natural	Gravel and clay
4200	Tr 42	Topsoil	Mid grey brown sandy loam 0.23m thick
4201	Tr 42	Natural	Mid orange brown sandy clay
4202	Tr 42	Pit/posthole	Oval pit or posthole, sides: steep, base: pointed, dimensions: length 0.5m, width 0.22m, depth $0.11 \mathrm{m}$
4203	Tr 42	F/O [4202]	Single fill; loose pale/light grey brown very slightly stony loamy sand
4204	Tr 42	Pit/posthole	Circular pit or posthole sides: steep, base: rounded, dimensions: length 0.53m, width 0.5m, depth $0.16 \mathrm{m}$
4205	Tr 42	F/O [4204]	Single fill; loose mid grey brown very slightly stony loamy sand
4206	Tr 42	Ditch	Linear ditch NE-SW sides: gently sloping base: rounded, dimensions: length 5.4m, width 0.4m, depth 0.1m $$
4207	Tr 42	F/O [4206]	Single fill; loose light grey brown very slightly stony loamy sand.
4208	Tr 42	Ditch	Linear ditch sides: gently sloping, base: rounded, dimensions: length 2.1m, width 1.2m, dept 0.16m.
4209	Tr 42	F/O [4208]	Single fill; loose light pinkish grey brown very slightly stony sandy loam
4300	Tr 43	Topsoil	Mid grey brown sandy loam 0.23m thick
4301	Tr 43	Natural	Dark orange/brown clay and sand
4302	Tr 43	Ditch	Linear ditch NW-SE, sides: gently sloping, base: rounded, dimensions: length 5.1m, width 0.5m, depth 0.1m $$
4303	Tr 43	F/O [4303]	Single fill; firm/plastic light reddish brown very slightly stony sandy clay
4304	Tr 43	Ditch	Linear ditch NNW-SSE sides: gradually/gently sloping, base: rounded, dimensions: length 2m width 0.7m, depth 0.15m
4305	Tr 43	F/O [4304]	Single fill; firm/plastic light reddish brown very slightly stony sandy clay
4400	Tr 44	Topsoil	Mid grey brown loamy sand 0.3m thick
4401	Tr 44	Natural	Mid orange sand and gravel
4402	Tr 44	Posthole	Circular/sub-circular posthole, sides: vertical/steep, base: rounded/uneven, dimensions: length 0.7m, width 0.33m, depth 0.19m
4403	Tr 44	F/O [4402]	Single fill, loose mid grey brown moderately stony loamy sand



Context no.	Area	Туре	Description
4404	Tr 44	Posthole	Circular posthole sides: vertical/steep, base: rounded/uneven, dimensions: length 0.42m, width 0.42m, depth 0.23m
4405	Tr 44	F/O [4404]	Single fill; loose mid grey loamy sand
4406	Tr 44	Posthole	Circular posthole, sides: steep, base: rounded, dimensions: length 0.5m, width 0.45m, depth: 0.2m
4407	Tr 44	F/O [4406]	Single fill; loose mid grey brown moderately stony loamy sand
4408	Tr 44	Ditch	Linear ditch NNE-SSW sides: gently sloping, base: rounded, dimensions: length 2m, width 0.67m, depth 0.11 - 0.15 m
4409	Tr 44	F/O [4408]	Single fill; loose mid grey brown very stony loamy sand
4410	Tr 44	Ditch	Linear/gently curving ditch NNE-SSW sides: gently sloping, base: flat, dimensions: length 1.86m , width 2.1m , depth 0.37m
4411	Tr 44	F/O [4410]	Single fill; loose mid to pale grey brown slightly stony loamy sand
4412	Tr 44	Ditch	Linear ditch NNE-SSW sides: steep, base: rounded/pointed, dimensions: length 2.2m, width 2m, depth 0.57m
4413	Tr 44	F/O [4412]	Single fill; loose mid grey to pale grey brown moderately stony loamy sand
4414	Tr 44	Natural Deposit	Deposit above 4401 and below 4400. Loose light greyish brown very slightly stony sand.
4415	Tr 44	Ditch	Linear ditch N-S, unexcavated, length 2m, width 1.02m
4416	Tr 44	F/O [4415]	Loose mid grey to pale grey brown moderately stony loamy sand
4417	Tr 44	Ditch	Linear ditch WNW-ESE, unexcavated, length 5m, width 1.2m
4418	Tr 44	F/O [4417]	Loose mid grey to pale grey brown moderately stony loamy sand
4501	Tr 45	Topsoil	Mid grey brown loam sand 0.4m thick
4502	Tr 45	Subsoil	Pale brown clayey sand 0.3m thick
4503	Tr 45	Ditch	Linear ditch E-W sides: deep bowl shaped-symmetrical, base: rounded, dimensions: length 1.98m, width 0.64m, depth 0.3m
4504	Tr 45	F/O [4503]	Single fill; hard, compact medium greyish brown sandy clay
4505	Tr 45	Ditch	Linear ditch E-W sides: asymmetrical, base: bowl shaped, dimensions: length $>$ 1.8m E-W, width 6.5m, depth 0.98m
4506	Tr 45	F/O [4505]	Upper fill; hard medium slightly greyish brown sandy clay; dimensions: length $>$ 1.8m, width 5.88m N-S, depth 0.32m
4507	Tr 45	F/O [4505]	Mid fill; hard, dry, compact light greyish brown sandy clay; dimensions: length $>$ 1.8m E-W, width 6.5m N-S, depth 0.38m
4508	Tr 45	F/O [4505]	Lower fill; hard, compact homogenous light brownish grey slightly sandy clay; dimensions: length 1.8m(?), width >2.55m, depth 0.28m
4509	Tr 45	Natural Feature	Compact, light brownish grey with patches of yellowish brown clay and silt loam; dimensions: length 0.5m N-S, width 0.82 E-W, depth 0.16m
4510	Tr 45	Natural	Natural geology
4511	Tr 45	F/O [4514]	Spread of medium greyish brown sandy clay; dimensions: length >2.1m, width 2.55 NE-SW, depth 0.16m
4512	Tr 45	Subsoil	Subsoil at N part of Tr45; hard, compact mid greyish brown clayey sand; dimensions: length $c.15 m$ N-S, width $>1.8 m$, depth $0.2 m$
4513	Tr 45	F/O [4515]	Hard, compact slightly brownish dark grey clay; dimensions: length 7.4m N-S, width $>$ 1.8m, depth 0.85m

Context no.	Area	Туре	Description
4514	Tr 45	Cut	Linear/irregular cut E-W, sides: $c.10$ degrees, base: irregular, dimensions: length >2.1m, width 2.55m NE-SW, depth 0.16m
4515	Tr 45	Ditch	Linear ditch E-W, sides: irregular, base: bowl shaped dimensions: length 7m N-S, width> 1.8m, depth 0.85m
4516	Tr 45	Pit	Circular like pit not fully exposed in trench measuring 1.15m wide and 0.35m deep
4517	Tr 45	F?O 4516	Single fill of moderate brown clayey sand
4600	Tr 46	Topsoil	Brownish grey silty sand 0.35m thick
4601	Tr 46	Natural	Light reddish brown coarse sand
4700	Tr 47	Topsoil	Brownish grey silty sand 0.45m thick
4701	Tr 47	Subsoil	Greyish brown silty sand
4702	Tr 47	Natural	Natural geology
4703	Tr 47	Linear	Shallow linear sides: shallow, base: concave, dimensions: length >2m, width 0.28m, depth 0.08m
4704	Tr 47	F/O [4703]	Single fill; compact, light grey/brown clayey sand
4800	Tr 48	Topsoil	Brownish grey silty sand 0.35m thick
4801	Tr 48	Subsoil	Greyish brown silty sand
4802	Tr 48	Natural	Natural geology
4803	Tr 48	Ditch	Linear ditch WNW-ESE, sides: steep, base: concave, dimensions: length $>$ 7m, width 0.6m, depth 0.18m
4804	Tr 48	F/O [4803]	Single fill; compact grey clayey sand
4805	Tr 48	Linear	Linear feature sides: shallow, base: slightly uneven, dimensions: length $>$ 1.5m, width 0.3m, depth 0.04m
4806	Tr 48	F/O [4805]	Single fill; compact dark grey sandy loam
4900	Tr 49	Topsoil	Loose, greyish brown loamy sand 0.33m thick
4901	Tr 49	Ditch	Rectangular ditch NE-SW, dimensions: length max 10.8m, width 1.8m E-W, depth 0.45m
4902	Tr 49	F/O [4901]	Single fill; loose greyish yellow/brown loamy sand
4903	Tr 49	Ditch	Linear ditch NE-SW sides: steeply sloping, base: v-shaped, dimensions: length $>$ 4.8m, width 0.75m, depth 0.37m
4904	Tr 49	F/O [4903]	Single fill; loose mid grey brown loamy sand
4905	Tr 49	Pit	Circular pit sides: steep and vertical, base: rounded, dimensions: 0.7m E-W, width 0.76m N-S, depth 0.46m $$
4906	Tr 49	F/O [4905], [4915]	Single fill; loose yellowish brown loamy sand
4907	Tr 49	Pit	Circular pit sides: steep, base: irregular/uneven, dimensions: length 1.28m, width 0.8 E-W, depth 0.28m $$
4908	Tr 49	F/O [4907]	Single fill; loose yellowish brown loamy sand
4909	Tr 49	Ditch	Linear ditch E-W, sides: gently sloping, steeper at S, base: flat/irregular, dimensions: $2m N-S$, width >1.8m E-W, depth 0.54m
4910	Tr 49	F/O [4909]	Single fill; loose yellowish brown loamy sand
4911	Tr 49	Ditch	Linear ditch NE-SW, sides: steeply sloping, base: uneven/pointed, dimensions: length $3.3m$, width $>0.5m$, depth $0.3m$
4912	Tr 49	F/O [4911]	Single fill; loose mid grey brown, slightly stony loamy sand. Identical in nature to 4904

Context no.	Area	Туре	Description
4913	Tr 49	Ditch	Linear ditch E-W, sides: gently sloping, base: rounded, dimensions: >1.8m, width 0.51m, depth 0.16m
4914	Tr 49	F/O [4913]	Single fill; loose mid grey brown slightly to moderately stony loamy sand
4915	Tr 49	Pit	Circular pit sides: steep, base: uneven, dimensions: length 0.7m, width 0.6m, depth 0.41m
4916	Tr 49	VOID	VOID
4917	Tr 49	Natural	Natural geology
5100	Tr 51	Topsoil	Loose, greyish brown loamy sand 0.4m thick
5101	Tr 51	Subsoil	Greyish brown silty sand
5102	Tr 51	Natural	Natural geology
5103	Tr 51	Ditch	Linear ditch E-W, sides: steep, base: uneven/concave, dimensions: width 0.75m, depth: 0.25m
5104	Tr 51	F/O [5103]	Single fill; compact light grey/brown sand
5200	Tr 52	Topsoil	Loose, greyish brown loamy sand 0.3m thick
5201	Tr 52	Subsoil	Greyish brown silty sand 0.1m thick
5202	Tr 52	Natural	Natural geology
5203	Tr 52	Ditch	Linear ditch ENE-WSW, sides: 45 degrees, base: concave, dimensions: width 1.05, depth 0.22m
5204	Tr 52	F/O 5203	Single fill; compact light-mid grey sandy loam
5205	Tr 52	Hollow	Possible hollow; compact greyish brown sandy loam; dimensions: length >19.2m, width >2m, depth $0.3 \mathrm{m}$
5206	Tr 52	Ditch	Linear ditch N-S, sides: stepped on W, steep on E, base: slightly concave, dimensions: width 4.2m, depth 0.86m
5207	Tr 52	F/O [5206]	Silted up fill; dimensions: width 4.2m, depth 0.52m
5208	Tr 52	F/O [5206]	Silted up fill; dimensions: width 1.7m, depth 0.34m
5209	Tr 52	Linear	Possible hedgerow, linear N-S, sides: uneven, base: uneven, dimensions: width 0.65m, depth 0.17
5210	Tr 52	F/O [5209]	Single fill; compact, brownish grey sandy loam
5211	Tr 52	Ditch	Linear ditch N-S, sides: steep, base: concave, dimensions: width 2.5m, depth 0.6m
5212	Tr 52	F/O [5211]	Single fill; compact dark brownish grey clayey loam
5300	Tr 53	Topsoil	Loose, greyish brown loamy sand 0.4m thick
5301	Tr 53	Subsoil	Greyish brown silty sand 0.2m thick
5302	Tr 53	Natural	Natural geology
5303	Tr 53	Ditch	Linear ditch E-W, sides: fairly steep, base: concave, dimensions: width 0.9m, depth 0.33m
5304	Tr 53	F/O [5303]	Single fill; compact, greyish brown sandy loam
5305	Tr 53	Ditch	Linear ditch (same as 5203 in Tr 52); compact greyish brown sandy loam dimensions: width 1m
5306	Tr 53	Ditch	Linear ditch E-W sides: steep, base: concave, dimensions: width 0.88m, depth 0.24m
5307	Tr 53	F/O [5306]	Single fill; compact brownish grey sandy loam
5400	Tr 54	Topsoil	Loose, greyish brown loamy sand 0.3m thick
5401	Tr 54	Subsoil	Greyish brown silty sand 0.2m thick
5402	Tr 54	Linear	Possible hedgerow, linear N-S, sides: uneven, base: uneven, dimensions: width 0.55m, depth $0.07-0.02m$

Context no.	Area	Туре	Description
5403	Tr 54	F/O [5402]	Single fill; compact greyish brown sandy loam
5404	Tr 54	Pit	Rectangular pit, sides: fairly gradual, base: flattish, dimensions: length $>$ 0.8m, width 1m, depth 0.2m
5405	Tr 54	F/O [5404]	Single fill; soft light grey/brown sandy loam
5406	Tr 54	Pit	Rectangular pit, sides: fairly gradual, base: flattish, dimensions: length $>$ 0.6m, width 0.7m, depth 0.2m
5407	Tr 54	F/O [5406]	Single fill; soft light grey/brown sandy loam
5408	Tr 54	Spread	Burnt spread oval/uneven in shape, dimensions: length 0.64m, width 0.48m, depth 0.09m (not a real cut)
5409	Tr 54	F/O [5408]	Single fill; friable black burnt stone
5410	Tr 54	Spread	Possible burnt stone spread, rectangular in shape, sides: uneven dimensions: length 2.15m, width $>$ 1.1m, depth 0.24m
5411	Tr 54	F/O [5410]	Friable black burnt stone, dimensions: length 1m, width 0.7m, depth 0.08m
5412	Tr 54	F/O [5410]	Soft white/grey sand, dimensions: depth 0.14m
5413	Tr 54	Ditch	Linear ditch N-S, sides: fairly steep base: concave, dimensions: width 0.9m, depth 0.19m
5414	Tr 54	F/O [5413]	Single fill; compact dark brownish grey sandy loam
5415	Tr 54	Ditch	Linear ditch N-S (unexcavated); fill: compact dark grey/brown sandy loam
5416	Tr 54	Natural	Natural geology
5500	Tr 55	Topsoil	Loose, greyish brown loamy sand 0.3m thick
5501	Tr 55	Subsoil	Greyish brown silty sand 0.5m thick
5502	Tr 55	Natural	Natural geology
5503	Tr 55	Pit	Circular pit, sides: steep, base: steepped/flat, dimensions: length: 3.2m, width $>$ 1.4m, depth 0.42m
5504	Tr 55	F/O [5503]	Top fill; compact reddish brown clayey loam, dimensions: width >0.84, depth 0.16m
5505	Tr 55	F/O [5503]	Main fill; compact dark brownish grey clayey loam, dimensions: width 0.95m, depth 0.27m
5506	Tr 55	F/O [5503]	Lining around edge of pit; compact reddish brown clayey sand, dimensions: width 0.24m, depth 0.27m
5507	Tr 55	Ditch	Linear ditch (unexcavated) dimensions: width >5m; fill: compact greyish brown clayey loam
5508	Tr 55	Pit	Possibly oval pit, sides: steep; dimensions: length 12.9m, width >1.4m, depth 0.44m
5509	Tr 55	F/O [5508]	Single fill; compact dark greyish brown clayey loam
5510	Tr 55	Ditch	Linear ditch ENE-WSW, sides: shallow, base: flattish, dimensions length $> 3.4 \text{m}$, width 0.58 , depth 0.1m
5511	Tr 55	F/O [5510]	Single fill; compact brownish grey clayey loam
5512	Tr 55	Linear	Linear N-S, sides: uneven/steep, base: uneven/concave, dimensions: width 0.36m, depth 0.22m
5513	Tr 55	F/O [5512]	Single fill; compact greyish brown clayey loam
5514	Tr 55	Ditch	Linear N-S, sides: steep, base: concave, dimensions: width 2.1m, depth 0.55
5515	Tr 55	F/O [5514]	Single fill; compact greyish brown clayey loam



5516 5517 5600 5601 5602 5603 5604 5605 5606 5607 5608 5609 5610 5611 5612 5613	Tr 55 Tr 56	Ditch F/O [5516] Topsoil Subsoil Ditch F/O [5602] Ditch F/O [5604] Hollow F/O [5606] Hollow F/O [5608] Ditch	Linear ditch NNE-SSW, sides: steep, base: concave, dimensions: width 0.75m, depth 0.26m Single fill; compact greyish brown clayey loam Loose, greyish brown loamy sand 0.3m thick Greyish brown silty sand 0.1m thick max Linear ditch ESE-WNW, sides: steep, base: concave, dimensions: width 0.6m, depth 0.4m Single fill; compact greyish brown clayey loam Linear ENE-WSW, sides: steep, base: concave/stepped, dimensions: width 2.15m, depth 0.58m Single fill; compact greyish brown clayey loam Possible spread or shallow hollow, shape: unknown, sides: shallow, base: gently sloping; dimensions: width 0.15m, depth 0.15m Single fill; compact greyish brown clayey loam Possible spread or shallow hollow, shape: unknown, sides: shallow, base: gently sloping; dimensions: width 0.55m, depth 0.06m Single fill; compact greyish brown clayey loam
5600 5601 5602 5603 5604 5605 5606 5607 5608 5609 5610 5611 5612	Tr 56	Topsoil Subsoil Ditch F/O [5602] Ditch F/O [5604] Hollow F/O [5606] Hollow F/O [5608]	Loose, greyish brown loamy sand 0.3m thick Greyish brown silty sand 0.1m thick max Linear ditch ESE-WNW, sides: steep, base: concave, dimensions: width 0.6m, depth 0.4m Single fill; compact greyish brown clayey loam Linear ENE-WSW, sides: steep, base: concave/stepped, dimensions: width 2.15m, depth 0.58m Single fill; compact greyish brown clayey loam Possible spread or shallow hollow, shape: unknown, sides: shallow, base: gently sloping; dimensions: width 0.15m, depth 0.15m Single fill; compact greyish brown clayey loam Possible spread or shallow hollow, shape: unknown, sides: shallow, base: gently sloping; dimensions: width 0.55m, depth 0.06m
5601 5602 5603 5604 5605 5606 5607 5608 5609 5610 5611 5612	Tr 56	Subsoil Ditch F/O [5602] Ditch F/O [5604] Hollow F/O [5606] Hollow F/O [5608]	Greyish brown silty sand 0.1m thick max Linear ditch ESE-WNW, sides: steep, base: concave, dimensions: width 0.6m, depth 0.4m Single fill; compact greyish brown clayey loam Linear ENE-WSW, sides: steep, base: concave/stepped, dimensions: width 2.15m, depth 0.58m Single fill; compact greyish brown clayey loam Possible spread or shallow hollow, shape: unknown, sides: shallow, base: gently sloping; dimensions: width 0.15m, depth 0.15m Single fill; compact greyish brown clayey loam Possible spread or shallow hollow, shape: unknown, sides: shallow, base: gently sloping; dimensions: width 0.55m, depth 0.06m
5602 5603 5604 5605 5606 5607 5608 5609 5610 5611 5612	Tr 56	Ditch F/O [5602] Ditch F/O [5604] Hollow F/O [5606] Hollow F/O [5608]	Linear ditch ESE-WNW, sides: steep, base: concave, dimensions: width 0.6m, depth 0.4m Single fill; compact greyish brown clayey loam Linear ENE-WSW, sides: steep, base: concave/stepped, dimensions: width 2.15m, depth 0.58m Single fill; compact greyish brown clayey loam Possible spread or shallow hollow, shape: unknown, sides: shallow, base: gently sloping; dimensions: width 0.15m, depth 0.15m Single fill; compact greyish brown clayey loam Possible spread or shallow hollow, shape: unknown, sides: shallow, base: gently sloping; dimensions: width 0.55m, depth 0.06m
5603 5604 5605 5606 5607 5608 5609 5610 5611 5612	Tr 56	F/O [5602] Ditch F/O [5604] Hollow F/O [5606] Hollow F/O [5608]	Single fill; compact greyish brown clayey loam Linear ENE-WSW, sides: steep, base: concave/stepped, dimensions: width 2.15m, depth 0.58m Single fill; compact greyish brown clayey loam Possible spread or shallow hollow, shape: unknown, sides: shallow, base: gently sloping; dimensions: width 0.15m, depth 0.15m Single fill; compact greyish brown clayey loam Possible spread or shallow hollow, shape: unknown, sides: shallow, base: gently sloping; dimensions: width 0.55m, depth 0.06m
5604 5605 5606 5607 5608 5609 5610 5611 5612	Tr 56 Tr 56 Tr 56 Tr 56 Tr 56 Tr 56	Ditch F/O [5604] Hollow F/O [5606] Hollow F/O [5608]	Linear ENE-WSW, sides: steep, base: concave/stepped, dimensions: width 2.15m, depth 0.58m Single fill; compact greyish brown clayey loam Possible spread or shallow hollow, shape: unknown, sides: shallow, base: gently sloping; dimensions: width 0.15m, depth 0.15m Single fill; compact greyish brown clayey loam Possible spread or shallow hollow, shape: unknown, sides: shallow, base: gently sloping; dimensions: width 0.55m, depth 0.06m
5605 5606 5607 5608 5609 5610 5611 5612	Tr 56 Tr 56 Tr 56 Tr 56 Tr 56 Tr 56	F/O [5604] Hollow F/O [5606] Hollow F/O [5608]	O.58m Single fill; compact greyish brown clayey loam Possible spread or shallow hollow, shape: unknown, sides: shallow, base: gently sloping; dimensions: width 0.15m, depth 0.15m Single fill; compact greyish brown clayey loam Possible spread or shallow hollow, shape: unknown, sides: shallow, base: gently sloping; dimensions: width 0.55m, depth 0.06m
5606 5607 5608 5609 5610 5611 5612 5613	Tr 56 Tr 56 Tr 56 Tr 56 Tr 56	Hollow F/O [5606] Hollow F/O [5608]	Possible spread or shallow hollow, shape: unknown, sides: shallow, base: gently sloping; dimensions: width 0.15m, depth 0.15m Single fill; compact greyish brown clayey loam Possible spread or shallow hollow, shape: unknown, sides: shallow, base: gently sloping; dimensions: width 0.55m, depth 0.06m
5607 5608 5609 5610 5611 5612 5613	Tr 56 Tr 56 Tr 56 Tr 56	F/O [5606] Hollow F/O [5608]	dimensions: width 0.15m, depth 0.15m Single fill; compact greyish brown clayey loam Possible spread or shallow hollow, shape: unknown, sides: shallow, base: gently sloping; dimensions: width 0.55m, depth 0.06m
5608 5609 5610 5611 5612 5613	Tr 56 Tr 56 Tr 56	Hollow F/O [5608]	Possible spread or shallow hollow, shape: unknown, sides: shallow, base: gently sloping; dimensions: width 0.55m, depth 0.06m
5609 5610 5611 5612 5613	Tr 56 Tr 56	F/O [5608]	dimensions: width 0.55m, depth 0.06m
5610 5611 5612 5613	Tr 56		Single fill; compact greyish brown clayey loam
5611 5612 5613		Ditch	
5612 5613	T. F.C		Linear ditch E-W, sides: stepped, base: concave, dimensions: width: 1.5m, depth 0.12m
5613	Tr 56	F/O [5610]	Single fill; compact brownish grey clayey loam
	Tr 56	Ditch	L-shaped linear NNE-SSW, sides: shallow, base: concave, dimensions: length $>$ 1.95m, width 0.5m max, depth 0.1m
5614	Tr 56	F/O [5612]	Single fill; compact blackish grey clayey loam
3014	Tr 56	Ditch	Linear ditch ENE-WSW, sides: shallow, base: concave, dimensions: width 0.55m, depth 0.12n
5615	Tr 56	F/O [5614]	Single fill; compact brownish grey clayey loam
5616	Tr 56	Ditch	Linear ditch ENE-WSW, sides: 45 degrees, base: concave, dimensions: width 2.9, depth 0.59
5617	Tr 56	F/O [5616]	Single fill; compact brownish grey clayey loam
5618	Tr 56	Pit	Circular pit, sides: gradual, base: concave, dimensions: length 1.05m, width 0.9m, depth 0.18m
5619	Tr 56	F/O [5618]	Single fill; dark blackish grey clayey loam
5620	Tr 56	Pit/posthole	Circular pit/posthole, sides: shallow, base: concave, dimensions: width 0.26m, depth 0.18m
5621	Tr56	F/O [5620]	Single fill; compact dark blackish grey clayey loam
5622	Tr 56	Natural	Natural geology
5700	Tr 57	Topsoil	Loose greyish brown loamy sand 0.29m thick
5701	Tr 57	Layer	Layer of loose greyish yellow/brown loamy sand, dimensions: length $c.16\mathrm{m}$, width $1.8\mathrm{m}$, depth $0.3\mathrm{m}$
5702	Tr 57	Natural	Natural geology
5800	Tr 58	Topsoil	Loose greyish brown loamy sand 0.3m thick
5801	Tr 58	Subsoil	Greyish brown silty sand 0.1m thick
5802	Tr 58	Ditch	Linear ditch NNE-SSW, sides: gradual, base: concave, dimensions: width 1.5m, depth 0.29m

- 4	- 4
1	1
4	

Context no.	Area	Туре	Description
5803	Tr 58	F/O [5802]	Single fill; dark blackish grey clayey loam
5804	Tr 58	Ditch	Linear ditch NE-SW, sides: steep, base: concave, dimensions: width 0.9m, depth 0.29m
5805	Tr 58	F/O [5804]	Single fill; firm dark brownish grey clayey loam
5806	Tr 58	Ditch	Linear ditch NW-SE, sides: steep, base: concave, dimensions: width 0.55m, depth 0.24m
5807	Tr 58	F/O [5806]	Single fill; compact brownish grey clayey loam
5808	Tr 58	Ditch	Linear ditch NE-SW (unexcavated), dimensions: width 1.5m (same as ditch in field 5) fill: brownish grey clayey loam ${}^{\circ}$
5900	Tr 59	Topsoil	Loose greyish brown loamy sand 0.35m thick
5901	Tr 59	Ditch	Linear ditch NW-SE, sides: gently sloping, base: rounded/ wavy, dimensions: length 11.3m E-W, width 0.84m N-S, depth 0.12m $$
5902	Tr 59	F/O [5901]	Single fill; compact dark yellow brown loamy sand
5903	Tr 59	Ditch	Ovoid ditch NW-SE, sides: steep, dimensions: length: 0.7m E-W, width 1.2m N-S, depth 0.33m
5904	Tr 59	F/O [5903]	Single fill; compact yellow brown loamy sand
5905	Tr 59	Ditch	Linear ditch NE-SW (unexcavated), dimensions: length 2.1m E-W, width 1.8m N-S
5906	Tr 59	F/O [5905]	Single fill; loose yellow brown loamy sand
5907	Tr 59	Natural	Natural geology
6400	Tr 64	Topsoil	Loose dark grey clayey loam 0.3m thick
6401	T r64	Subsoil	Mid brown silty sand 0.25m thick
6402	Tr 64	Natural	Mid orange sand and clay
6403	Tr 64	Ditch	Linear ditch N-S, sides: $c.15$ –20 degrees, stepped on W side, base: concave, slightly irregular dimensions: length >1.8m, width 2.31m, depth 0.4m
6404	Tr 64	F/O [6403]	Single fill; medium-firm mid-dark brownish grey sandy silt
6405	Tr 64	Linear	Linear field drain, dimensions: length >2.1m, width 0.53m, depth 0.23m
6406	Tr 64	F/O [6405]	Single, stony fill of field drain
6407	Tr 64	Pit	Semi-circular pit (only N part visible) unexcavated
6408	Tr 64	F/O [6407]	Single fill; medium compacted dark brownish grey silty sand
6700	Tr 67	Topsoil	Loose dark grey clayey loam 0.25m thick
6701	Tr 67	Subsoil	Mid brown orange loamy sand 0.15m thick
6702	Tr 67	Natural	Clay, mixed with sand and chalk patches
6703	Tr 67	Pit	Irregular pit, sides: $30-80$ degrees irregular, base: irregular, dimensions: length >3.7 m, wide >0.92 m, depth >0.46 m
6704	Tr 67	F/O [6703]	Single fill; fairly firm dark grey silty sand with clay patches
6705	Tr 67	Ditch	Linear ditch NNE-SSW, sides: c .40-50 degrees, slightly stepped to top of WNW side, base: concave, dimensions: length >1.9m, width 1.28m, depth 0.4m
6706	Tr 67	F/O [6705]	Single fill; firmly compacted dark greyish brown sandy clay
6707	Tr 67	Ditch	Linear ditch SSW-NNE, sides: c.40-50 degrees slightly irregular, base concave slightly irregular



Context no.	Area	Туре	Description
6708	Tr 67	F/O [6707]	Single fill; firmly compacted dark greyish brown sandy clay
6709	Tr 67	Ditch	Linear ditch (?) NNE-SSW (unexcavated) dimensions: length >2m width 1.9m
6710	Tr 67	F/O [6709]	Single fill; firm dark greyish brown loamy sand
5800	Tr 68	Topsoil	Loose dark grey clayey loam 0.25m thick
5801	Tr 68	Subsoil	Mid brown loamy sand 0.15m thick
6802	Tr 68	Natural	Orange clay with sand patches
6803	Tr 68	Ditch	Linear ditch WNW-ESE, sides: $c.50$ -65 degrees, SW side stepped, base: concave, dimensions length $>$ 1.9m, width 2.13m, depth 0.19-0.71m
6804	Tr 68	F/O [6803]	Single fill; firmly compacted mid to dark greyish brown clay sand
6805	Tr 68	Ditch	Linear N-S, sides: $c.70$ -80 degrees, regular, base: concave, dimensions: length >3.3m, width 0.54m, depth 0.29m
6806	Tr 68	F/O [6805]	Single fill; very firmly compacted mid to dark brownish grey sandy clay
6807	Tr 68	Ditch	Linear ditch N-S, sides: $c.50$ -60 degrees, base: concave, dimensions: length 3.1m, width 0.74m, depth 0.32m
6808	Tr 68	F/O [6807]	Single fill; very firmly compacted mid brownish grey silty clay with some sand
5809	Tr 68	Pit	Sub-oval pit, sides: $c.15$ -30 degrees, base: flattish, dimensions: length 0.46m, width 0.38m depth 0.08m
5810	Tr 68	F/O [6809]	Single fill; firmly compacted mid brownish grey sandy clay
5811	Tr 68	Ditch	Linear ditch WNW-ESE (unexcavated) sides: regular in plan, dimensions: length $>$ 1.8m, wide c.0.55m
6812	Tr 68	F/O [6811]	Single fill; firmly compacted dark brownish grey silty sand
6813	Tr 68	Ditch	Linear ditch WNW-ESE (unexcavated), sides: regular in plan
5814	Tr 68	F/O [6813}	Single fill; firm mid-dark brownish grey clay sand
5815	Tr 68	Ditch	Linear E-W (unexcavated), dimensions: length >2.3m, width c.3.2m
5816	Tr 68	F/O [6815}	Single fill; firm mid to dark greyish brown clay sand
5817	Tr 68	Ditch	Linear ditch N-S (unexcavated) dimensions: length 3m, width c.2.7m
5818	Tr 68	F/O [6817]	Single fill; firm mid to dark greyish brown clay sand
5819	Tr 68	Pit	Irregular pit (unexcavated), dimensions: length >1.4m, width> 0.72m
6820	Tr 68	F/O [6819}	Single fill; firm dark greyish brown sandy clay
5900	Tr 69	Topsoil	Loose dark grey clayey loam 0.26m thick
5901	Tr 69	Subsoil	Mid orangey brown silty sand 0.15m
5902	Tr 69	Natural	Mid orange clay with patches of sand and gravel
6903	Tr 69	Ditch	Linear ditch E-W, sides: $c.30-50$ degrees N side steeper than S, base: sloping slightly to N, dimensions: length >1.8m, width 1.23m, depth 0.28m
5904	Tr 69	F/O [6903]	Single fill; very firm mid brownish grey silty sand
6905	Tr 69	Ditch	Linear ditch E-W, sides 30–45 degrees N side steeper than S, base: concave, dimensions: length $>$ 1.8m, width 1.42, depth 0.33m
5906	Tr 69	F/O [6905]	Single fill; firm mid brownish grey sandy silt

Context no.	Area	Туре	Description
6907	Tr 69	Ditch	Curvilinear ditch N-SSW, sides: $c.45$ degrees, base: pointed, dimensions: length 2.15m, width 0.49m, depth 0.2m
6908	Tr 69	F/O [6907]	Single fill; firm mid brownish grey silty sand
6909	Tr 69	Ditch	Linear ditch N-S, sides: $c.40-45$ degrees E side steeper, base: concave, dimensions: length >8.2m, width 0.77m, depth 0.28m
6910	Tr 69	F/O [6909]	Single fill; medium compacted mid to dark brownish grey loamy sand
6911	Tr 69	Linear	Linear E-W sides: gentle at top, $c.60-85$ degrees lower down, N side slightly steeper, base: concave, dimensions: length >1.8m, width 1.75m, depth 0.8m
6912	Tr 69	F/O [6911]	Single fill; very firm mid to dark greyish brown w/orange mottling loamy sand
6913	Tr 69	Pit	Pit of uncertain shape, sides: uncertain slopes to E through slot, dimensions: length $>$ 1.8m, width> 2.85m, depth 0.89m
6914	Tr 69	F/O [6913]	Single fill; very firm dark brownish grey loamy sand
6915	Tr 69	Linear	Linear of uncertain shape, the part visible runs E-W, sides: S side slopes N at angle of $c.40$ degrees, dimensions: length >1.8m, width> 1.52m, depth> 0.79m
6916	Tr 69	F/O [6915]	Single fill; very firm dark brownish grey loamy sand
6917	Tr 69	Ditch	Curvilinear ditch NW-S (unexcavated), dimensions: length >1.92m, width 0.38m
6918	Tr 69	F/O [6917]	Single fill; well compacted mid brownish grey silty sand
6919	Tr 69	Ditch	Linear ditch E-W (unexcavated), dimensions: length >1.8m, width 1.48m
6920	Tr 69	F/O [6919]	Single fill; well compacted mid to dark brownish grey silty sand
6921	Tr 69	Ditch	Linear ditch E-W (unexcavated), dimensions: length >1.8m, width 2.72m
6922	Tr 69	F/O [6921]	Single fill; medium-firm mid brownish grey loamy sand
6923	Tr 69	Ditch	Linear E-W (unexcavated), dimensions: length >1.8m, width 0.54m
6924	Tr 69	F/O [6923]	Single fill; medium compacted mid brownish grey silty sand
7000	Tr 69	Topsoil	Loose dark grey clayey loam 0.25m thick
7001	Tr 70	Subsoil	Greyish brown silty sand 0.4m thick
7002	Tr 70	Natural	Light orange yellow clay
7003	Tr 70	Pit	Sub-oval pit, sides: steep base: E of centre bowl shaped, dimensions: length 1m, width 0.66m, depth 0.22m
7004	Tr 70	F/O [7003]	Single fill; very compact mid brown silty clay
7005	Tr 70	Ditch	Linear ditch N-S sides: gradual at W, steep/vertical at E, base: bowl shaped at E, dimensions: length >1.8m, width 2.7m, depth 0.7m.
7006	Tr 70	F/O [7005]	Single fill; very compact mid brown silty clay
7007	Tr 70	Ditch	Linear N-S, sides: steep at E, gradual at W, base: U-shaped E of centre, dimensions: length >1.8m, width 0.6m, depth 0.21m
7008	Tr 70	F/O [7007]	Single fill; medium, fairly firm mid-brown sandy silt
7009	Tr 70	Ditch	Linear ditch N-S, sides: gentle, base: bowl-shaped, dimensions: length $>$ 1.8m, width 0.4m, depth 0.09m



Context no.	Area	Туре	Description
7010	Tr 70	F/O [7009]	Single fill; moderate, fairly firm mid brown sandy silt
7011	Tr 70	Ditch	Linear ditch N-S (unexcavated), dimensions: length >1.8m, width 1m
7012	Tr 70	F/O [7011]	Single fill; moderately compact, firm mid-brown silt
7600	Tr 76	Topsoil	Loose dark grey clayey loam 0.2m thick
7601	Tr 76	Subsoil	Greyish brown silty sand 0.3m thick
7602	Tr 76	Natural	Bright orange stony sand
7603	Tr 76	Ditch	Linear ditch ESE-WNW, sides: gradual slope-gentle, base: flat, dimensions: length $> 1.8 m$, width 2.4m, depth 0.22m
7604	Tr 76	F/O [7603]	Single fill; very friable loose mid-brown sand
7605	Tr 76	Ditch	Linear ditch (unexcavated), dimensions: length >1.8m, width 1.8m
7606	Tr 76	F/O [7605]	Single fill; moderately compacted mid-brown silty sand
7700	Tr 77	Topsoil	Grey/brown loamy sand 0.27m thick
7701	Tr 77	Subsoil	Orange brown loamy sand 0.33m thick
7702	Tr 77	Ditch	Linear ditch E-W, sides: gently sloping, base: uneven, dimensions: length N-S 2.1m, width 1.8m $$
7703	Tr 77	F/O [7702]	Single fill; loose yellowish brown loamy sand
7704	Tr 77	Natural	Natural geology
7800	Tr 78	Topsoil	Loose grey brown loamy sand 0.28m thick
7801		VOID	VOID
7802	Tr 78	Ditch	Linear ditch NW-SE, sides: gently sloping, base: rounded, dimensions: length 1.12m, width 0.72m, depth 0.14m
7803	Tr 78	F/O [7802]	Single fill; loose grey-brown loamy sand
7804	Tr 78	Pit	Circular pit, sides: vertical, base: rounded-sloping E, dimensions: length 1m E-W, width 0.8m N-S, depth 0.3m $$
7805	Tr 78	F/O [7804]	Single fill; loose greyish brown sandy silt
7806	Tr 78	Ditch	Linear ditch N-S, sides: gently sloping, base: very wavy, dimensions: 6.1m E-W, width 1.8m N-S, depth 0.22
7807	Tr 78	F/O [7806]	Single fill; loose greyish brown loamy sand
7808	Tr 78	Posthole	Possible circular posthole, sides: stepped, base: rounded/uneven, dimensions: length 0.43m, width 0.52m, depth 0.4m
7809	Tr 78	F/O [7808]	Single fill; compact light greyish brown loamy sand
7810	Tr 78	Ditch	Linear N-S, sides: steep at W, gentle at E, base: pointed, dimensions: length 1.4m, width 0.54m, depth 0.45m
7811	Tr 78	F/O [7810]	Single fill; loose brownish grey loamy sand
7812	Tr 78	Natural	Natural geology
7813	Tr 78	Natural	Natural geology
7814	Tr 78	Ditch	Possible end of ditch (unexcavated); shape: triangular, dimensions: length: 7.6m, width 1.05-1.8m
7815	Tr 78	F/O [7184]	Single fill; loose greyish brown loamy sand
7816	Tr 78	Pit	Circular pit (unexcavated), dimensions: length 1.1m, width c.0.3m
7817	Tr 78	F/O [7816]	Single fill; loose greyish brown loamy sand
7818	Tr 78	Ditch	Possible ditch NW-SE, shape: triangular, dimensions: length 2.7m E-W, width 1.5m NS

Context no.	Area	Туре	Description
7819	Tr 78	F/O [7818]	Single fill; loose light grey brown loamy silt
7820	Tr 78	Natural	Natural geology
7900	Tr 79	Topsoil	Loose grey brown loamy sand 0.34m thick
7901	Tr 79	Subsoil	Light to mid orange brown sandy loam 0.1m thick
7902	Tr 79	Natural	Mid to pale orange brown/brownish orange patches
7903	Tr 79	Ditch	Linear ditch WNW-ESE, sides: gently sloping, base: rounded, dimensions: length 7.1m, width 0.37-0.47m, depth 0.12m
7904	Tr 79	F/O [7903]	Single fill; compact dark orange brown loamy sand
7905	Tr 79	Ditch	Linear ditch N-S, sides: gentle/steeply sloping, base not reached, dimensions: length 1.8m revealed, width 5.85m, depth $>$ 0.72m
7906	Tr 79	F/O [7905]	Single fill; compact mid to light grey brown sandy loam
8000	Tr 80	Topsoil	Loose dark grey brown loamy sand 0.4m thick
8001	Tr 80	Ditch	Linear ditch NS-SW, sides: gently sloping, base: rounded, dimensions: length 1m, width 1.8m E-W, depth $0.23 \mathrm{m}$
8002	Tr 80	F/O [8001]	Single fill; compact/friable reddish brown loamy sand
8003		Pit	Circular pit, sides: steep, base: rounded, dimensions: length 0.35m N-S, 0.42m E-W, depth $0.11\mathrm{m}$
8004	Tr 80	F/O [8003]	Single fill; loose dark black brown sand
8005	Tr 80	Pit	Circular pit (unexcavated), dimensions: length 0.3m N-S, width c.0.28m E-W
8006	T r80	F/O [8006]	Single fill; loose dark blackish brown sand
8007	Tr 80	Natural	Natural geology
8100	Tr 81	Topsoil	Loose grey brown sandy loam 0.3m thick
8101	Tr 81	Linear	Linear pond feature (?), dimensions: length $c.16$ m, width 1.8 m, depth 1.9 m
8102	Tr 81	F/O [8101]	Single fill; compact yellow/orange brown loamy sand
8103	Tr 81	Natural	Natural geology
8200	Tr 82	Topsoil	Dark grey brown loamy sand 0.34m thick
8201	Tr 82	Ditch	Linear ditch N-S, sides: gently sloping, base: rounded, dimensions: length 2m E-W, width 1.8m N-S, depth 0.46m $$
8202	Tr 82	F/O [8201]	Single fill; loose pale yellow brown sand loam
8203	Tr 82	Natural	Natural geology
8300	Tr 83	Topsoil	Dark grey brown loamy sand 0.35m thick
8301	Tr 83	Subsoil	Pale yellowish brown sandy loam 0.3m thick max
8302	Tr 83	Natural	Sand clay/loam and gravel
8304	Tr 83	Pit	Sub-circular pit, sides: gently sloping, base: rounded, dimensions: length 1.9m max, width 1.19m, depth $0.33 \mathrm{m}$
8305	Tr 83	F/O [8304]	Single fill, firm mid grey brown (yellowish light brown at top), loamy sand
8500	Tr 85	Topsoil	Dark grey brown loamy sand 0.35m thick
8501	Tr 85	Subsoil	Mid to dark orange mix of natural and subsoil 0.12m thick
8502	Tr 85	Natural	Orange sand with patches of gravel



Context no.	Area	Туре	Description
8503	Tr 85	Ditch	Linear ditch sides: gently sloping, base: rounded/ slightly pointed; dimensions: length $1.8 \mathrm{m}$ revealed width $1.65 \mathrm{m}$, depth $0.38 \mathrm{m}$.
8504	Tr 85	F/O [8503]	Single fill; loose mid orange greyish loamy sand
8505	Tr 85	Ditch	Linear ditch NNE-SSW sides: steep, base: rounded, dimensions: length 2.9m, width 0.3m, depth 0.08m
8506	Tr 85	F/O [8506]	Single fill; loose mid grey brown loamy sand
8507	Tr 85	Ditch	Semi-circular/ irregular ditch with tail N-S, sides: gently sloping, base: rounded/pointed, dimensions: length 1.8m,, width 0.7m, depth 0.15m
8508	Tr 85	F/O [8507]	Single fill; loose greyish mid orange loam sand
8600	Tr 86	Topsoil	Dark grey brown loamy sand 0.25m thick
8601	Tr 86	Subsoil	Greyish brown silty sand
8602	Tr 86	Natural	Bright orange-yellow stony sand
8603	Tr 86	Pit	Sub-oval burnt pit, sides: undulating gently sloping, base: irregular bowl shaped, dimensions: length 1.01m, width 0.55m, depth 0.24m
8604	Tr 86	F/O [8603]	Lower fill; moderately compact mottled orange charcoal sand; dimensions: length 1.1m, width 0.85m, depth 0.16m-0.24m $$
8605	Tr 86	F/O [8603]	Middle fill; moderately compact black charcoal; dimensions: length o.8m, width 0.85m, depth 0.09m-0.16m
8606	Tr 86	F/O [8603]	Upper fill; moderately compact mid brown mottled grey charcoal silty sand; dimensions: length 1.01m width 0.85m, depth 0.09m
8700	Tr 87	Topsoil	Dark grey brown loamy sand 0.26m thick
8701	Tr 87	Natural	Sand and gravel
8702	Tr 87	Pit	Possible pit straight at N curved at S; sides: almost vertical, base: flat, dimensions: length 4.23m, width> 1.8m, depth $c.0.43$ m
8703	Tr 87	F/O [8702]	Dark brown clayey/loamy sand; dimensions: length 4.23m N-S, width >1.8m, depth 0.15m
8704	Tr 87	F/O [8702]	Brown loamy clay; dimensions: length >2.1m, width >0.7m, depth 0.28m
8705	Tr 87	Subsoil	Greyish brown silty sand layer 0.05m
8706	Tr 87	Feature	Unknown feature only partially exposed; sides: bowl shaped, dimensions: length >1.7m N-S, width >0.43m, depth 0.18m
8707	Tr 87	F/O [8706]	Single fill; brown loamy sand and gravel
8708	Tr 87	F/O [8702]	Charcoal rich, compact, mid grey black loamy sand; dimensions: length 0.44m, width 1.48m, depth 0.03m
8709	Tr 87	F/O [8702]	Compact mid brownish grey loamy sand; dimensions: length 0.36m, width 1.2m, depth 0.04m
8710	Tr 87	F/O [8702]	Primary fill; loose dark brownish red stony sand; dimensions: length 0.25m, width 0.5m, depth 0.03m
8711	Tr 87	F/O [8702]	Compact, firm mid yellowish-green brown stony clay; dimensions: length 0.3m, width 0.1m, depth 0.05m
8712	Tr 87	F/O [8702]	Compact, firm mid yellowish-green brown slightly stony clay; dimensions: length $0.34m$, width $0.25m$, depth $0.1m$
8800	Tr 88	Topsoil	Dark grey brown loamy sand 0.25m thick

Туре

Description

Context no. Area

4	/
	/

8801	Tr 88	Subsoil	Greyish brown silty sand 0.4m thick
8802	Tr 88	Natural	Natural geology
8803	Tr 88	Pit	Oval pit sides: moderately gentle, base: undulating 'wave', dimensions: length 0.67m, width 0.36m, depth 0.15m max
8804	Tr 88	F/O [8803]	Single fill; very loose friable mid-brown sand
8805	Tr 88	Ditch	Linear ditch NNW-SSE sides: 45 degree slope down, base: flattened, dimensions: length >1.8m, width 8.7m, depth 0.4m-0.66m
8806	Tr 88	F/O [8805]	Upper fill, firm compact mid brown black sandy silt; dimensions: width 2.3m, depth 0.44 max
8807	Tr 88	Ditch	Linear ditch N-S, sides: convex, steep, base: undulating, dimensions: length $>$ 1.8m, width 0.9m, depth 0.34m
8808	Tr 88	F/O [8807]	Single fill; moderately compact mid-brown silty sand
8809	Tr 88	Ditch	Linear ditch N-S, sides: convex, steep, base: undulating, dimensions: length $>$ 1.8m, width 0.86m, depth 0.35m
8810	Tr 88	F/O [8809]	Single fill; moderately compact mid-brown silty sand
8811	Tr 88	Pit	Oval pit sides: gradual, base: undulating, flattened, dimensions: length 1.2m, width 0.85m, depth 0.21m max
8812	Tr 88	F/O [8811]	Single fill; moderately firm mid brown silty sand
8813	Tr 88	Pit	Circular pit (unexcavated), dimensions: length >0.5m, width 1.08m
8814	Tr 88	F/O [8813]	Single fill; moderately firm mid brown sandy silt
8815	Tr 88	Ditch	Linear ditch sides: gradual, undulating, base: flattened bowl shaped, dimensions: length $>1.8 m$, width $>2.3 m$, depth $0.34 m$
8816	Tr 88	F/O [8815]	Single fill; moderately firm mid brown silty sand
8817	Tr 88	F/O [8805]	Lower fill; very compact mid-brown silt, dimensions: length $>$ 1.8m, width $>$ 2.42m, depth 0.06m-0.32m
9000	Tr 90	Topsoil	Dark grey brown loamy sand 0.25m thick
9001	Tr 90	Subsoil	Greyish brown silty sand
9002	Tr 90	Natural	Natural geology
9003	Tr 90	Ditch	Linear ditch NE-SW, sides: gradual slightly steeper at N, base: 'U' shaped, dimensions: length >1.8m, width 1.1m, depth 0.25m
9004	Tr 90	F/O [9003]	Single fill; moderately compacted mid-brown silty sand
9005	Tr 90	Ditch	Linear ditch NNE-SSW, sides: regular, 45 degree angle, base: flattened 'U'-shape, dimensions: length >3.5m, width 0.7m, depth 0.25m
9006	Tr 90	F/O [9005]	Single fill; moderately firm dark brown black sandy silt
9007	Tr 90	Ditch	Linear ditch E-W, sides: gradual slope, base: bowl-shaped, undulating, dimensions: length >1.8m, width 0.45m, depth 0.08m
9008	Tr 90	F/O [9007]	Single fill; moderately firm mid-brown sandy silt
9009	Tr 90	Ditch	Linear ditch E-W, sides: gradual at S, steep at N, base: undulating bowl-shape, dimensions: length >1.8m, width 1.7-2m, depth 0.34m
9010	Tr 90	F/O [9009]	Single fill; moderate to loose friable mid brown silty sand
9100	Tr 91	Topsoil	Dark grey brown loamy sand 0.33m thick
9101	Tr 91	Subsoil	Medium brown sand 0.1m thick



Context no.	Area	Туре	Description
9102	Tr 91	Ditch	Linear ditch E-W, sides: gently sloping $c.45$ -50 degrees, base: concave, dimensions: length >1.8, width 1.65m N-S, depth 0.47m
9103	Tr 91	F/O [9102]	Single fill; hard, compact brown silt loam
9104	Tr 91	Natural	Silt and sand
9105	Tr 91	Pit	Sub-circular/oval pit, sides: steep, base: rounded/pointed, dimensions: length 1m revealed, width 0.95m, depth 0.7m $$
9106	Tr 91	F/O [9105]	Single fill; compact very pale brown grey loamy sand

Photographic register

Photo no.	Direction facing	Description
001	-	ID shot
002	ESE	Tr 46 (VOID)
003	S	Tr 45
004	WNW	Tr 46 (VOID)
005	S	Tr 40
006	E	Tr 41
007	E	Tr 38
008	S	Tr 39
009	S	Tr 33
010	W	Tr 34
011	S	Tr 35
012	W	Tr 36
013	S	Tr 37
014	W	Tr 43
015	W	Tr 43
016	S	Tr 42
017	Е	Tr 44
018	W	Ditch [4003]
019	SW	Poss. pit [4005]
020	SE	Double ditch [4007]
021	N	Bioturbation (4009)
022	N	Postholes (left to right) [4402] [4404] [4406]
023	S	Ditch [4408] [4409]
024	NW	T 45 - sec of (4509)
025	S	T 45 [4503] (4504)- plan
026	SE	(45060, (4507), (4508)- Ditch- West face section
027	NE	(45060, (4507), (4508)- Ditch- West face section
028	NE	(45060, (4507), (4508)- Ditch- West face section - close up
029	S	[4505], (4506)- Plan
030	S	[4503], (4504) - Ditch - Plan
031	W	(4504) - SE facing section
032	N	[4410] and (4411)
033	S	Section of [4410] and (4411)
034	S	[4412] and (4413) including section
035	W	Possible connection between [4410] and [4412]
036	SW	Linear [3803]

Photo no.	Direction facing	Description
037	N	Possible pit [3903]
038	-	ID shot
039	NW	Linear [3903]
040	N	Pit [3303]
041	NW	Linear [3305]
042	ESE	Linear [3307]
043	NW	Linear [3309]
044	W	Pit [3403]
045	N	(4511) - Plan - view
046	S	(4511) - Plan - view
047	SE	(4511) - sec - NW - facing
048	N	(4513) - plan view
049	S	(4513) - plan view
050	NW	(4513) - E facing sec
051	W	(4513), (4511), (4501) - E facing sec
052	SE	Ditch [4302] (4303)
053	NW	Section of (4303) in cut [4302]
054	S	Ditch [4304] (4305)
055	S	Section of (4305) in cut [4304]
056	SW	Oval shaped pit/posthole [4202] (4203)
057	W	Pit [4204], (4205)
058	SW	Ditch [4206] (4207)
059	SW	Section of [4206] (4207)
060	SE	Ditch [4208], (4209)
061	Е	Pit?/ Ditch terminus - W facing section
062	S	Pit?/ Ditch terminus - plan view
063	S	Section of [4412] (4413) showing cattle skull
064	SW	[4515], (4513) - E-facing sec
065	NW	[4515], (4513) - E-facing sec detail
066	S	[4515], (4513) - plan view
067	Е	Tr 1
068	Е	T 2
069	Е	Tr 3
070	W	Tr 14
071	S	Tr15
072	Е	Tr16
073	SSE	Tr 17



Photo no.	Direction facing	Description	_	Photo no.	Photo no. Direction facing
074		ID shot	_	115	115 E
075	Е	Tr 11		116	116 N
076	E	Tr 12		117	117 N
077	N	Tr 13		118	118 W
078	S	Tr 9		119	119 N
079	S	Tr 10		120	120 W
080	W	Pit [804]		121	121 N
081	S	Tr 8		122	122 E
082	N	Ditch [203]		123	123 E
083	N	Tr 91		124	124 SE
084	S	Tr 87		125	125 E
085	N	Tr 85		126	126 S
086	N	Tr84		127	127 W
087	N	Tr 83		128	128 SSW
088	Е	Tr 79		129	129 S
089	S	Tr 80		130	130 SE
090	N	Tr 81		131	131 SW
091	Е	Tr 82		132	132 NW
092	Е	Tr 78		133	133 W
093	S	Tr 77		134	134 N
094	S	Tr 76		135	135 W
095	Е	Tr 86		136	136 N
096	Е	Tr 88		137	137 E
097	N	Tr 90		138	138 SW
098	N	Tr 73		139	139 NNW
099	W	Tr 74		140	140 SE
100	W	Tr 75		141	141 NW
101	W	Tr 70		142	142 E
102	NE	Tr 68		143	143 SW
103	S	Tr 69		144	144 NW
104	Е	Tr 71		145	145 N
105	N	Tr 72		146	146 –
106	Е	Tr 64		147	147 N
107	W	Tr 63		148	148 E
108	W	Tr 65		149	149 W
109	N	Tr 66		150	150 N
110	-	ID shot		151	151 S
111	W	Tr 67		152	152 S
112	Е	Tr 59		153	153 E
113	S	Tr 60		154	154 N
114	S	Tr 61		155	155 E

Photo no.	Direction facing	Description
156	Е	Pit [5508]
157	SE	Ditch [5510]
158	NNE	Ditch [5516]
159	N	Ditches [5512] and [5514]
160	SE	Ditches [5602], [5604], [5606], and [5608] oblique
161	E	Ditch [5610]
162	N	Ditch [5612]
163	S	Pits [5618] and [5620]
164	NE	Ditches [5614] and [5616] oblique
165	SSW	Ditch [5702]
166	SSW	Ditch [5704]
167	NW	Ditch [5706]
200	-	ID shot
201	S	[9102], (9103) - plan - T 91
202	N	[9102], (9103) - plan - T91
203	E	(9103)- West facing sec - T 91
204	W	Section of cut [9105], (9106)
205	E	Plan shot of cut [9105], (9106)
206	E	Plan shot of cut [9105], (9106)
207	S	(8703) - plan - pre-ex
208	N	(8703) - plan - pre-ex
209	W	Ditch [8503] (8504)
210	W	Section of ditch [8503] (8504)
211	NW	Irregular feature [8507] (8508) (section visible)
212	SW	Ditch [8505] (8506)
213	NE	Section (SW facing) [8505] (8506)
214	S	(8703), [8702] - plan and excavation slot
215	NW	(8703), [8702], [8706], (8707) plan and excavation slot
216	NE	(8703), [8702], [8706], (8707) plan and excavation slot
217	S	N facing sec (8707), (8703), (8704)
218	W	E facing sec (8703), (8704)
219	SE	NW-facing section of ditch [6803], (6804)
220	Е	Pit feature [8304] (8305) and section drawing
221	N	Pit feature [7003] and (7004)
222	S	W-facing section of ditch [6805], (6806)

Photo no.	Direction facing	Description
223	Е	W-facing section of ditch [7802] and (7803)
224	Е	General shot ditch [7802] and (7803)
225	Е	W-facing section of pit [7804] and (7805)
226	Е	General shot of pit [7804] and (7805)
227	WNW	Thin ditch [7903] (7904)
228	WNW	Section of ditch [7903] (7904)
229	N	S-facing section of ditch [6807]/ (6808)
230	W	E-facing section of small pit [6809]/(6810)
231	W	Ditch [7603] and (7604)
232	S	Ditch [7806]
233	WSW	Burnt pit [8603] and fill (8604)
234	S	Pit [8803] and (8804) fill
235	W	Pit [7808] and (7809) fill. E-facing section
236	W	E facing section of linear [6903]/ (6904)
237	-	ID shot
238	W	E-facing section of linear [6903]/ (6904)
239	Е	W-facing section of ditch [8001] and (8002)
240	W	E-facing section of pit [8003] and (8004)
241	Е	W-facing section of linear [6905]/ (6906)
242	E	W-facing section of slot through feature [8805]/(8806)
243	N	S-facing section of [6907]/(6908)
244	E	Ditch feature [7905] (7906)
245	S	Section of [7905] (7906)
246	S	section shot of [7905] (7906)
247	N	South facing section of ditch [8807]/(8808)
248	W	E-facing section of slot through [6703]/(6704)
249	Е	South facing section of ditch [8201] and (8202)
250	W	East facing section of ditch [9003]/(9004)
251	SSW	NNE facing section through parallel ditches [6705] and [6707]
252	N	South facing section through [8809]/(8810)



	Photo no.	Direction facing	Description		Photo no.	Direction facing	Description
	253	NW	SE facing section through [8811]/ (8812)		282	N	Carbonised fill layer (8704) removed
	254	S	N-facing section of [6908]/(6910) - quite bright		283	Е	Plan view of (8704) carbonised layer removed
	255	N	South facing section of [7810]/ (7811)		284	Е	W-facing section of slot showing S side of [6915]
	256	S	Western edge (reinvestigated) of [7905] (7906) (section)		285	S	N facing section of slot through [8015]/(8016)
	257	Е	General shot of [7905] (7906)		286	S	N facing section of [8805]- East edge of feature
	258	S	Section slot close up of [7905] (7906)		287	S	N facing section of [8805] continuation photo of slot section
	259	W	Shot showing relationship slot put in to see relationship between [8503] and [8507]		288	N	Shot of [8702] with (8709) removed at southern end
	260	N	Shot showing relationships of [90039], [9005], [9007], [9009]-pre-ex		289	W	Plan shot of cut [8702] at southern end, (8709) removed, (8710) shown
	261	S	Shot showing relationships of [90039], [9005], [9007], [9009]-		290	W	E facing section [5905]/(5902)
			pre-ex		291	-	ID shot
	262	W	Shot showing (close up) relationship [9005] and [9007]		292	N	Shot of slot for [8702] completely excavated, showing section
	263		Mid ex shot of excavation of second part of [8702] (8703)		293	S	N-facing section of [6403]/(6404)
	264	NNE	SSW facing section of [9005]/ (9006)		294	NW	SE-facing section of [6405]/ (6406)
<i>52</i>	265	W	East facing section of [9009]/ (9010)		295	N	S-facing section of [7005] and [7009]
	266	W	East facing section of [9007]/ (9008)		296	N	S-facing section of [7005] (W part)
	267	N	Interface/top of fill (8704) below (8703)		297	N	S-facing section of [7005] (E part)
	268	-	General site shots		298	SW	Post-ex shot of [8603] pit
	269	-	General site shots		299	S	North facing section of [4907]/ (4908)
	270	-	General site shots		300	W	East facing section of [4905]/
	271	-	General site shots				(4906)
	272	-	General site shots		301	Е	West facing section of ditch [4909]/(4910)
	273	-	General site shots		302	NE	[4911], [4903] and [4913]
	274	-	General site shots				overview
	275	-	ID shot		303	NE	Sections of [4911] on left, [4903] on right
	276	E	West facing shot [5901]/(5902)		304	SE	Section of [4913]
	277	SE	Oblique shot of W-facing section showing [6911] cutting [6913]		305		ID Shot
	278	W	East facing section of [9009]/		306	SSW	Trench 19
		v V	(9010)		307	W	Trench 28
	279	NNE	SSW facing section of [9005]/ (9006)		308	S	Trench 29
	280	W	East facing section of [9007]/		309	W	Trench 32
			(9008)		310	N	Trench 30
	281	N	Carbonised fill layer of (8704) in [8702]		311	W	Trench 25

_
_
I
1
(
(
(
(
(
(
(
•
(
(
(
(
(

© Headland Archaeology (UK) Ltd 2012

Photo no.	Direction facing	Description
312	N	Trench 24
313	W	Trench 23
314	W	Trench 31
315	N	Trench 22
316	Е	Trench 21
317	NE	Trench 20
318	S	Trench 26
319	Е	Trench 27
320	Е	Section of [1902](1903)
321	W	Shot of [1902](1903)
322	Е	Section of [1900](1901)
323	Е	shot of [1900](1901)
324	S	Ditch [2700](2701)
325	NW	Ditch [3100](3101)

Drawing register

Drawing no.	Scale	Plan/ Section	Description
001	1:20	S	Ditch [4505]
002	1:20	S	Pit? [8702] & Ditch [8706]
003	1:20	S	Pit? [8702]
004	1:20	Р	Pit? [8702] & Ditch [8706]
005	1:20	S	Feature [7808]
006	1:10	S	Pit [8603]
007	1:20	S	Pits [5404] & [5406]
008	1:20	S	Burnt Bioturbation [5410]
009	1:10	S	Feature [8702]
010	1:20	S	Features [8805] & [8815]
011	1:10	S	Features [6911], [6913], & [6915]
012	1:10	S	Profile of features [4905] & [4915]
013	1:20	S	Pit [5503]
014	1:20	S	Ditches [5602], [5604], [5616], & Features [5606] & [5608]
015	1:20	S	Ditch [5206]
016	1:10	S	Pit [1900]
017	1:10	S	Ditch [1902]
018	1:10	S	Ditch [2700]

Drawing no.	Scale	Plan/ Section	Description
019	1:10	S	Ditch [3100]

Sample register

Sample no.	Context no.	Description
001	803	Fill of Cremation [806]
002	805	Fill of burnt stone hearth [804]
003	8704	Fill of SFB/Pit
004	8002	Fill of ditch [8001]
005	8605	Fill of cut [8603]
006	5409	Fill of burnt spread
007	5411	Fill of burnt spread
800	8703	Fill of [8702]
009	8704	Burnt layer within [8702]
010	8708	Burnt layer within [8702]
011	8709	Fill of [8702]
012	8710	Burning layer
013	9006	Fill of ditch [9005]
014	8605	Burnt layer within pit [8603]
015	8606	Ash deposit within pit [8603]
016	8806	Fill of ditch [8805]
017	6704	Fill of waste pit [6703]
018	6912	Fill of waste pit [6911]
019	1901	Fill of Pit [1900[



Appendix 2 – Environmental tables

Retent samples

	Context no.	Sample no.	Sample Vol (I)	Ceramic	Ceramic						Glass	Metal	Industrial Waste
				Pottery			СВМ						
				PH	Roman	Medi-PM	Brick	Daub	Other	Lithics	Glass	Fe object	Fe slag
	803	1	10	-	-	+	-	-	-	++++	-	-	-
	805	2	30	+	-	-	-	-	-	++++	-	-	-
	8704	3	10	-	-	-	-	-	-	++++	-	-	-
	8002	4	30	-	-	-	-	-	+++	++++	-	-	-
	5409	6	10	-	-	-	-	-	-	++++	-	-	-
	5411	7	30	-	-	-	-	-	-	-	-	-	-
	8703	8	20	-	-	-	-	-	+	++++	-	-	-
	8704	9	20	-	-	-	-	-	-	++++	-	-	-
	8708	10	30	-	-	-	-	+	-	++++	-	-	-
54	8709	11	20	-	+	-	-	-	+	++++	-	-	-
	8710	12	10	-	-	-	-	-	-	++++	-	-	-
	9006	13	13	-	-	+++	-	+	-	++++	-	+	-
	8605	14	20	-	-	-	-	-	-	++++	-	-	-
	8606	15	10	-	-	-	-	-	-	++++	-	-	-
	8806	16	30	-	-	+	-	++++	-	-	-	+	+
	6704	17	30	-	_	-	+++	-	-	++++	-	-	-
	6912	18	10	++	-	-	-	-	+	++++	-	+	-
	8711	19	10	-	-	-	-	-	-	++	-	-	-
	8712	20	10	-	-	-	-	-	-	-	-	-	-
	1901	100	30	-	+++	-	-	+++	-	-	+	-	-

Key + = rare, ++ = occasional, +++ = common and <math>++++ = abundant

NB charcoal over 1cm is suitable for identification and AMS dating

5	F
J	J

Context no.	Sample no.	Sample Vol (I)	Burnt bone	Unburnt bone	Charred plant	Charco	pal	Material available for AMS Dating	Comments
			Mammal	Mammal	-	Qty	Max size (cm)	-	
803	1	10	+++	-	-	++	<0.5	-	-
805	2	30	-	-	-	+++	1.0	Charcoal +	-
8704	3	10	-	-	-	-	-	-	-
8002	4	30	-	-	-	-	-	-	-
5409	6	10	-	-	-	++++	2.6	Charcoal +++	Sample contained burnt flint. (possibly natural)
5411	7	30	_	-	-	++++	2	Charcoal +++	Charcoal was mainly non-oak including roundwood.
8 <i>703</i>	8	20	-	-	-	-	-	-	-
8704	9	20	-	-	-	-	-	-	-
8 <i>708</i>	10	30	-	-	-	+	<0.5	-	-
8709	11	20	-	-	-	-	-	-	-
8710	12	10	-	-	-	-	-	-	-
9006	13	13	++	+++	-	+++	1	Unburnt bone ++, charcoal +	Fe object is a nail. Charcoal is mainly non-oak including roundwood
8605	14	20	-	-	-	+++	1.0	Charcoal +	-
8606	15	10	-	-	-	+++	1	Charcoal +	Charcoal was mainly non-oak
8806	16	30	-	-	-	+	1	Charcoal +	Fe object is a nail. Charcoal is non-oak
6704	17	30	+++	+++	-	++	<0.5	Burnt bone ++, unburnt bone ++	-
6912	18	10	-	+	-	-	-	Unburnt bone +	-
8711	19	10	_	-	-	-	-	-	-
8712	20	10	-	-	-	-	-	-	-
1901	100	30	+++	+	++++	++++	1	Charcoal +, charred cereal grain	Charred cereal grain: Avena sp +, Hordeum vulgare +, Triticum dicoccum +, Cerealia indet. +++ and hazel nutshell +; charcoal is mainly non-oak.



Flot samples

Context no.	Sample no.	Total flot Vol (ml)	Cereal grain					
			Avena sp.	Hordeum vulgare	Triticum dicoccum	Triticum aestivo- compactum	Triticum spelta	Cerealia indet.
803	1	20	-	-	-	-	-	-
805	2	50	-	-	-	+	-	-
8704	3	30	+	-	-	-	-	+
8002	4	70	++	++++	-	+++	-	-
5409	6	125	-	-	-	-	-	-
5411	7	300	_	-	-	-	-	-
8703	8	60	+	+	-	+	-	-
8704	9	110	+	+	-	-	-	+
8708	10	180	+++	++++	-	+++	+	+
8709	11	60	+	+	-	-	+	+
8710	12	5	-	-	-	-	-	-
9006	13	50	-	-	-	-	-	-
8605	14	120	-	-	-	-	-	-
8606	15	40	-	-	-	-	-	-
8806	16	50	-	+++	-	-	+	-
6704	17	40	-	-	-	-	-	-
6912	18	30	-	-	-	-	-	-
8711	19	4	-	-	-	-	-	-
8712	20	20	-	-	-	-	-	-
1901	100	50	+	++	++	+	+	+

Key + = rare, ++ = occasional, +++ = common and <math>++++ = abundant

 $\mbox{\bf NB}\;$ charcoal over 1cm is suitable for identification and AMS dating

Flot samples (continued)

Context no.	Sample no.	Total flot Vol (ml)	Other plant remains Ch		oal	Material available for	Comments	
				Qty	Max size (cm)	AMS		
303	1	20	-	++++	0.6	-	-	
3 05	2	50	Chenopodium album +	++++	1.1	Charcoal +	Charcoal is mostly oak	
3704	3	30	-	+	<0.5	-	-	
3002	4	70	Pisum sativum +	-	-	-	-	
5409	6	125	-	++++	1.8	Charcoal +	Charcoal is oak	
5411	7	300	-	++++	2	Charcoal ++	Charcoal is oak	
3703	8	60	-	+	<0.5	-	-	
3704	9	110	-	+	<0.5	-	-	
3708	10	180	-	++	<0.5	-	-	
3709	11	60	-	-	-	-	-	
3710	12	5	-	-	-	-	Archaeologically sterile	
9006	13	50	-	+	<0.5	-	-	
3605	14	120	-	++++	1.6	Charcoal ++	Charcoal is oak	
3606	15	40	-	++++	1.5	Charcoal +	Charcoal is mostly oak	
8806	16	50	-	++	1.3	Charcoal +	Charcoal is non-oak	
5704	17	40	-	+	<0.5	-	-	
5912	18	30	-	+	<0.5	-	-	
3711	19	4	-	+	<0.5	-	-	
3712	20	20	-	+	<0.5	-	-	
1901	100	50	Chenopodium sp. +, Plantago lanceolata +, Bromus sp. +, Carex sp. +. cf. Eleocharis sp. +, Rumex sp. +	+++	1	Charcoal +	Charcoal is non-oak	



Headland Archaeology (UK) Ltd © Headland Archaeology (UK) Ltd 2011

North East (HQ)
13 Jane Street, Edinburgh EH6 5HE
T 0131 467 7705 • F 0131 467 7706 • E office@headlandarchaeology.com

North West

10 Payne Street, Glasgow G4 0LF T 0141 354 8100 • F 0141 332 9388 • E glasgowoffice@headlandarchaeology.com

Midlands & West

Unit 1, Premier Business Park, Faraday Road, Hereford HR4 9NZ

T 0143 236 4901 • F 0143 236 4900 • E hereford@headlandarchaeology.com

South & East

Technology Centre, Stanbridge Road, Leighton Buzzard, Bedfordshire LU7 4QH **T** 01525 850 878 • **E** leighton.buzzard@headlandarchaeology.com

www.headlandarchaeology.com