

## Land adjacent to Park Grove, Euston Estate, Sapiston **SAP 012**

#### A REPORT ON THE ARCHAEOLOGICAL EVALUATION, 2006 (Planning app. no. SE/05/02844)

Suffolk County Council Suffolk County Council Archaeological Service

Suffolk County Council Suffolk County Council Archaeological Service

J.A.Craven Field Team Suffolk C.C. Archaeological Service

© June 2009

Suffolk County Council Suffolk County Council Suffolk County Council Service Lucy Robinson, County Director of Environment and Transport Endeavour House, Russel Road, Ipswich, IP1 2BX

SCCAS Report No. 2008/213



Suffolk County Council Suffolk County Council Archaeological Service

Suffolk County Council Suffolk County Council Archaeological Service





#### Contents

List of Figures List of Tables List of Contributors Acknowledgements Summary HER information 1. Introduction 2. Methodology 3. Results 3.1. Introduction 3.2. Phase I: Late Neolithic/Early Bronze Age 3.3. Phase II: Early Iron Age 3.4. Phase III: Post-medieval 4. Finds and environmental evidence (Cathy Tester) 4.1. Introduction 4.2. Pottery 4.2.1. Prehistoric pottery (Sarah Percival) 4.2.2. Post-prehistoric pottery 4.3. Ceramic Building Material (CBM) and fired clay 4.4.1. Flint (Sarah Bates) 4.4.2. Burnt flint and stone 4.5. Small finds and metalwork 4.6. Biological evidence 4.6.1. Cremation burials 4.6.3. Plant macrofossils (Val Fryer)

- 4.6.4. Radiocarbon analysis
- 4.7. Discussion of the finds and environmental evidence
- 5. Discussion
- 6. Conclusion and Recommendations

#### References

Appendix 1: Brief and specification Appendix 2: Context list Appendix 3: Finds quantities Appendix 4: Pottery Appendix 5: Flint by context Appendix 6: Cremated bone quantification and measurements Appendix 7: Cremated bone catalogue Appendix 8: Charred plant macrofossils and other remains Appendix 9: Radiocarbon dating certificates



Suffolk County Council Suffolk County Council Archaeological Service

#### **List of Figures**

- 1. Site location plan
- 2. Trench layout
- 3. Trench 31 0070 plan and section
- 4. Trenches 25 and 26 plan
- 5. Trenches 25 and 26 feature plans and sections
- 6. Trench 27 0050 plan and section
- 7. Trench 28
- 8. Trench 28 feature plans and sections
  - 9. Trench 33
  - 10. Trench 33 feature plans and sections
  - 11. Trench 33 feature plans and sections
  - 12. Trench 35 plan
  - 13. Trench 35 feature plans and sections
  - 14. Trenches 37 and 41 plan
  - 15. Trenches 37 and 41 feature plans and sections
  - 16. 0071 pottery illustration, Beaker, comb impressed fabric Q1.
  - 17. 0109 pottery illustration, Iron Age, fabric F2.

- 2. Finds quantities
  3. Pottery quantities by ceramic period
  4. Prehistoric pottery quantities by period
  5. Late Neolithic to earlier Early Bronze ^
  6. Beaker pottery quantities by `
  7. Iron Age fabric ~
  8. Iron ^ 5. Late Neolithic to earlier Early Bronze Age fabric quantities

  - 8. Iron Age pottery deposition by trench and feature
- 9. Summary of the flint
- 10. Percentages of identified fragments out of total identified to area of skeleton.

#### **List of Contributors**

All Suffolk C.C. Archaeological Service unless otherwise stated.

John Craven Assistant Project Officer Cathy Tester **Finds Officer** Sue Anderson HSR specialist, CFA Archaeology Sarah Bates Flint specialist, NAU Archaeology Sarah Percival Prehistoric specialist, NAU Archaeology Donna Wreathall Archaeological Illustrator Val Fryer Environmental specialist, Freelance

Suffolk County Council Suffolk County Council Archaeological Service

Suffolk County Council Suffolk County Council Archaeological Service

#### Acknowledgements

This project was commissioned by Miles Waterscapes Ltd, on behalf of the developer, Euston Farms and was monitored by Jess Tipper (Suffolk County Council Archaeological Service, Service Conservation Team).

The evaluation fieldwork was carried out by a number of archaeological staff, (Jo Caruth, John Craven, Michael Green, Alan Smith, Nick Taylor and Jonathan Van Jennians) all from Suffolk County Council Archaeological Service, Field Team.

The project was directed and managed by Jo Caruth, who also provided advice during the production of the report.

The post-excavation was managed by Richenda Goffin. Finds processing and the production of site plans and sections was carried out Gemma Adams and Anna West, and the specialist finds and environmental reports by Cathy Tester, Sue Anderson, Sarah Bates, Sarah Percival and Val Fryer. Finds illustrations are by Donna Wreathall.

#### Summary

Sapiston, Land adjacent to Park Grove, Euston Estate (TL/ 924763; SAP 012): An archaeological evaluation and excavation of arable farmland in advance of the construction of a farm reservoir identified two phases of activity. The earliest was a possible focus of Late Neolithic/Early Bronze Age occupation, which was indicated by the presence of scattered finds and one posthole, firmly dated to this phase by its pottery assemblage and the result of a radiocarbon analysis of hazel shell collected from its fill. The second was a more substantial scatter of pits and postholes, representing a period of domestic Iron Age activity in three areas, of which two were immediately investigated further in small open area excavations.

The features hinted at the possible presence of small buildings and hearths although no discernable spatial patterns were apparent. Feature fills frequently contained small amounts of material likely to have originated from domestic refuse or hearth waste, the majority of the pottery dating to the Early Iron Age. A single feature contained material from a partially intact human cremation. Radiocarbon dates of carbonised material within the fills of two features confirmed the activity as occurring in the Early-Mid Iron Age.

Suffolk County Countries The third and main spread of Iron Age features lay wholly within the area of the reservoir bund and agreement was reached to exclude this area of c.2700sqm from the general topsoil strip. The bund was subsequently built over untouched ground, leaving the archaeological deposits preserved in situ.

(John Craven, S.C.C.A.S. for Euston Farms).

### **HER** information

CV NV	
Planning application no.	SE/05/02844
Date of fieldwork:	2nd-9th October 2006
Grid Reference:	TL 924763
Funding body:	Euston Farms
Oasis reference	Suffolkc1-18619



Suffolk County Council Suffolk County Council Archaeological Service

Suffolk County Council Suffolk County Council Archaeological Service





#### **1. Introduction**

An archaeological evaluation was carried out in advance of the construction of a reservoir on the Euston Estate, Sapiston. The work was carried out to a Brief and Specification issued by Jess Tipper (Suffolk County Council Archaeological Service, Conservation Team – Appendix 1) to fulfil a planning condition on application SE/05/02844. The work was commissioned by Miles Waterscapes Ltd, on behalf of the developer, Euston Farms.

The site lies at TL 924 763 (Fig. 1), stretching across two arable fields on a gentle south-east facing slope, from 42m to 33.5m OD, which overlooks the Blackbourn river valley to the south-east. The natural subsoil over much of the site consisted of orange/yellow clay/silt, lying directly below the ploughsoil. Towards the base of the slope the subsoil contained increasing quantities of gravel and was at times sealed under a layer of mid brown silt. The reservoir, which is now completed, occupies a total area of 8ha, with a central area of c.3.8ha that was excavated to a depth of 2-9m. The remaining 4.2ha was stripped of topsoil and built up with excavated material from the centre to form a surrounding bund.



An archaeological desk-based assessment of the development (Rolfe, 2006), produced as part of an Environmental Impact Assessment commissioned by Euston Farms, indicated that the site was of potential archaeological interest. Although there is no record of any archaeological sites within the area of the reservoir the size and setting of the site, on a ridge overlooking a river valley, had potential for evidence of prehistoric occupation.

Any archaeological deposits on the site would be totally removed and destroyed within the central area of the development. The topsoil strip of the outer ring for the bund would also expose and probably truncate any archaeological deposits, with further machine movements and

the creation of the bund likely to cause heavy damage if not total destruction. A programme of archaeological evaluation was therefore required to assess the archaeological potential of the site and to establish any archaeological implications for its development.

When the evaluation identified three areas, Trenches 28, 30 and 35, as being of specific archaeological interest it was agreed by Jess Tipper, Euston Farms and the SCCAS Field Team to immediately extend Trenches 28 and 33 into small-scale excavation areas. The third area, which occupied c.2700sqm, was centred on Trench 35. As it lay wholly within the area of the bund Miles Waterscapes Limited and Euston Farms decided to exclude this area from the general topsoil strip, meaning the bund would be built over untouched ground, leaving archaeological deposits preserved *in situ*. This report therefore covers both the results of the field evaluation and of the limited subsequent fieldwork that was subsequently required.



Figure 2. Trench layout

#### 2. Methodology

A total of forty-two trenches, with a total length of 2383.5m, were laid out to cover the proposed extraction area in the centre of the fields and the encircling strip, which would be affected by the construction of the bund (Fig. 2),. Trenches 28, 33 and 35 were extended to help define areas of specific interest, after the planned trenching was complete.

The trenches were excavated to the top of the archaeological levels by two mechanical excavators, equipped with 1.8m and 2.6m wide ditching buckets, each under the supervision of an archaeologist. 1194m of trench were excavated at 1.8m wide and 1189.5m at 2.6m width, giving a total evaluated area of 5242sqm. This amounted to just over 6.5% of the total 8ha area, considerably more than the 5% minimum required by the brief, due to the placement of some extra trenches and the 2.6m wide bucket on one of the excavators.

The trenches were generally excavated to a depth varying from 0.3m-0.5m. This consisted of the removal of 0.3m-0.4m of ploughsoil and occasional thin layers of mixed silt, clay or gravel hillwash deposits, particularly in the easternmost trenches. Removal of the ploughsoil exposed the natural subsoil, which was normally a mix of yellow/orange clay and silt, with occasional mid brown clay/silt infilled shallow hollows. Archaeological features were identifiable at this depth cutting the subsoil and only limited hand cleaning of specific areas was required. After excavation the spoil was examined for finds, and all the trenches and spoilheaps were metal-detected.

Two areas were subsequently opened around Trenches 28 and 33, measuring 290sqm and 500sqm respectively. Archaeological deposits in these areas were excavated and recorded as part of the evaluation.

A single context continuous numbering system was used, with numbers 0001-0041 reserved for unstratified finds from the respective trenches. Archaeological features and deposits were numbered from 0050 onwards. The majority of the archaeological features consisted of scattered pits and postholes. These were excavated by hand, initially 50% of the pits and postholes being excavated prior to recording before being fully 100% removed. Bulk soil samples were taken from a selection of contexts, particularly from those containing datable finds material. Individual feature sections and plans were drawn at a scale of 1:20. The trenches were planned, and site levels were taken using a Total Station Theodolite. Site levels are relative to an OD benchmark supplied by Miles Waterscapes Limited. Digital colour (300dpi resolution) and black and white print photographs were taken of all stages of the evaluation and are included in the site archive.

Site data has been input onto an MS Access database and recorded using the County Historic Environment Record code SAP 012, and inked copies of section drawings and plans have been made. Bulk finds were washed, marked and quantified, and the resultant data was also entered onto a database.

An OASIS form has been completed for the project (reference no. suffolkc1-18619) and a digital copy of the report submitted for inclusion on the Archaeology Data Service database (http://ads.ahds.ac.uk/catalogue/library/greylit).

The site archive is kept in the main store of Suffolk County Council Archaeological Service at Bury St Edmunds under HER No. SAP 012.

Suffolk County Council Suffolk County Council Archaeological Service

Suffolk County Council Suffolk County Council Suffolk County Council Suffolk County Council Suffolk County Council

#### **3. Results**

#### **3.1. Introduction**

Archaeological features were located in nine of the forty-two trenches (see Appendix 2) and these all lay within the smaller southern field. A further seven trenches (2) to be a seven trenches (3) to be a seven 30 and 40) contained unstratified material and a single small find, 1001, was metal detected from Trench 35. The features consisted of a very broad and sparse scatter of pits and postholes, with two or three natural hollows also being investigated. Material dating evidence was recovered from the majority of contexts and the various features predominantly belong to a main phase of Early Iron Age activity. A smaller quantity of material also indicates an earlier phase of activity in the Late Neolithic/Early Bronze Age. Scattered post-prehistoric finds were either unstratified (0002, 0017, 0023 and 1001) or probably intrusive in earlier contexts. 0064 was potentially a post-medieval ditch but does not indicate any substantial phase of activity. Basic trench descriptions are listed in Table 1 below.

Trench	Length	Width	Description	Associated
No				OP No's
01	48m	2.6m	0.25m of ploughsoil overlying subsoil of very thick	
			orange clay.	
02	85m	2.6m	0.3m of ploughsoil overlying subsoil of orange clay,	0002
			thin layer of brown silt, 0.05m thick lying above	
			subsoil in places.	
03	32m	2.6m	0.3m of ploughsoil overlying subsoil of very thick	
			orange clay.	
04	87m	2.6m	0.25m of ploughsoil overlying subsoil of very thick	
			orange clay.	
05	40m	1.8m	0.3m-0.4m of ploughsoil overlying subsoil of orange	
			clay with occasional scattered gravel.	
06	78.5m	1.8m	0.3m-0.4m of ploughsoil overlying subsoil of orange	
			clay/silt, slightly shallower to north.	
07	27m	2.6m	0.25m of ploughsoil overlying subsoil of orange clay.	
08	93m	1.8m	0.3m-0.4m of ploughsoil overlying subsoil of	
			yellow/orange clay with increasing silt and gravel to	
			the south.	
09	29.5m	2.6m	0.25m-0.35m of ploughsoil overlying subsoil of	
		11-	orange clay.	lia
10	50.5m	1.8m	0.3m-0.4m of ploughsoil overlying subsoil of	unuce
	, CO	NIC	yellow/orange clay/silt.	Condio
11	105m	1.8m	0.3m of ploughsoil overlying subsoil of orange	inty ise
0	outica		clay/silt with occasional scattered flints.	dica
12	<b>5</b> 9m	2.6m	0.3m of ploughsoil overlying subsoil of	09
cultural	,0		yellow/orange clay at west end. To east the trench	
SUCH			deepens to 0.4m, with a 0.1m thick layer of silt $\bigcirc$	
P.,			overlying the subsoil which contained increasing	
			amounts of gravel and silt.	
13	32m	2.6m	0.3m-0.4m ploughsoil overlying subsoil of orange	
			clay/silt.	
14	40m	2.6m	0.3m ploughsoil overlying subsoil of orange clay/silt.	
15	79m	2.6m	0.3m ploughsoil overlying 0.1m of brown silt.	
			Subsoil of orange clay/silt with increasing silt/gravel	

Trench No	Length	Width	Description	Associated OP No's
16	22.5m	1.8m	to east. 0.3m-0.4m of ploughsoil overlying subsoil of yellow/orange clay/silt with occasional gravel.	ogouncil
17	unical Se	1.8m	yellow/orange clay/silt. One sherd of pottery recovered from subsoil surface.	ical Jer
Suff18 eo	36.5m	1.8m	0.3m-0.4m of ploughsoil overlying subsoil of yellow/orange clay/silt with occasional gravel.	0018
19	42.5m	1.8m	0.3m-0.4m of ploughsoil overlying subsoil of yellow/orange clay/silt with some gravel.	
20	58.5m	1.8m	0.3m-0.4m of ploughsoil overlying subsoil of yellow/orange clay/silt with occasional gravel.	
21	61m	1.8m	0.3m-0.4m of ploughsoil overlying subsoil of yellow/orange clay/silt with occasional gravel.	
22	73m	2.6m	0.35m of ploughsoil overlying subsoil of orange clay/silt.	
23	79m	2.6m	0.45m of ploughsoil overlying subsoil of heavy clay/chalk, shallower with increasing silt/gravel to east.	0023
24	52m	1.8m	0.3m of ploughsoil overlying subsoil of yellow/grey clay.	
25	29m	2.6m	0.3m of ploughsoil overlying subsoil of orange clay/silt.	0064
26	96m	2.6m	0.25m-0.3m of ploughsoil overlying subsoil of orange clay with occasional patches of boulder clay.	0056
27	32.5m	1.8m	0.3m-0.4m of ploughsoil overlying subsoil of yellow/orange clay with occasional silt patches.	0050
28	37m & 18m	2.6m & 1.8m	0.3m-0.4m of ploughsoil overlying subsoil of yellow/orange clay/silt with occasional areas of brown silt.	0052, 0055, 0060, 0062, 0072-0076
29	43m	1.8m	0.3m-0.4m of ploughsoil overlying subsoil of yellow/orange clay with occasional silt patches. One unstratified flint flake recovered from ploughsoil.	0029
30	102m	1.8m	0.3m-0.4m of ploughsoil overlying subsoil of orange clay/silt. Scattered unstratified struck flints recovered from subsoil surface.	0030
31	21m	2.6m	0.3m of ploughsoil overlying subsoil of orange clay/silt.	0070
32	85m	2.6m	0.3m-0.4m of ploughsoil overlying subsoil of orange/brown clay/silt with scattered gravel.	y sen
33CO	59m & 15m	1.8m	0.3m-0.4m of ploughsoil overlying subsoil of orange clay/silt with scattered chalk.	0078-0084, 0100, 0103- 0109
<b>№</b> 34	40m	1.8m	0.3m-0.4m of ploughsoil overlying subsoil of orange clay/silt with occasional yellow/brown clay/silt patches.	
35	157m	2.6m	0.4m of ploughsoil overlying subsoil of orange clay/silt at west end. To east it deepens with subsoil containing increasing amounts of silt and gravel	0035, 0086- 0098, 0110, 0114, 0117, 0119, 1001

Trench No	Length	Width	Description	Associated OP No's
36	51m	1.8m	0.4m of ploughsoil overlying subsoil of orange	
		Incil	clay/silt with frequent irregular hollows infilled with mid brown clay/silt	uncil
37	26m 🖸	1.8m	0.4m of ploughsoil overlying subsoil of orange	0112
	county	50.0	clay/silt with frequent irregular hollows infilled with mid brown clay/silt	unical Se
3801	39m	2.6m	0.4m of ploughsoil overlying 0.2m of brown silty.	103
Summe	econ		Subsoil a mix of brown clay/silt and gravel.	
39	60m	1.8m	0.3m-0.4m of ploughsoil overlying subsoil of orange clay/silt.	
40	42m	2.6m	0.3m-0.4m of ploughsoil overlying subsoil of orange clay/silt and gravels.	0123
41	13m	2.6m	0.4m of ploughsoil overlying 0.2m of brown silty. Subsoil a mix of brown clay/silt and gravel.	0066, 0068
42	28m	1.8m	0.3m of ploughsoil overlying subsoil of yellow/orange clay/silt with occasional flints.	

Table 1. Trench descriptions

## **3.1. Phase I: Late Neolithic/Early Bronze Age** (Figs. 3 & 7-8)

Four features contained Beaker pottery (27 sherds weighing 263g): postholes 0055, 0060 and 0076 in Trench 28 and pit 0070 in Trench 31. However this assemblage is mainly thought to be residual material deposited within the feature fills, consisting as it does of small abraded sherds and, in postholes 0055 and 0060, being recovered along with greater quantities of early Iron Age pottery. It seems likely therefore that these two features at least are contemporary with the surrounding evidence of Iron Age activity.

0070 was an oval pit aligned south-west to north-east, measuring 0.45m by 0.65m and 0.18m deep, with steep sides and a flat base. Its fill, 0071, was a mix of mid brown/orange clay/silt with traces of charcoal. Fifteen sherds of Late Neolithic/Early Bronze Age pottery were collected, including a partially complete profile (Fig. 16).

The remaining feature, 0076, was an oval pit or posthole in Trench 28 (see below, Figs. 7 and 8), measuring 0.5m by 0.55m and 0.32m deep with near-vertical sides and a concave base. Its fill, analysis of which has given a radiocarbon date of 2200-1980 BC (see below and Appendix 9). Seven sherds of pottery were also collected and confirment and the set of 0077, was a mid-dark brown clay/silt with increasing amounts of charcoal towards the base, Junze . Suffolk Cologic Archaeologic Seven sherds of pottery were also collected and confirm a Late Neolithic/Early Bronze Age date for the feature.

Archaeolo



Figure 3. Trench 31 - 0070 plan and section

#### **3.2. Phase II: Early Iron Age**

(Figs. 4-15)

County Council Features attributable to a phase of domestic occupation activity in the Iron Age were mainly identified in three general areas within Trenches 28, 33 and 35, although a few scattered features were seen in outlying trenches. Of the 33 features or hollows/spreads identified on the site, 17 contained Iron Age material. A further 12 features, although undated, contained similar fills with frequent deposits of charcoal and burnt flint and are thought to be contemporary.

#### Trench 18

Five sherds of Iron Age pottery, 0018, were recovered from the topsoil during machining.

#### Trench 26

0056 was an oval pit lying partially under the trench baulk. Measuring 0.6m by 0.8m and 0.15m deep it had two fills. 0058 was a discrete deposit of charcoal and dense, crushed burnt flint lying at the western end of the feature, partially below 0057, a mid brown clay/silt with fragments of burnt flint, clay, and occasional charcoal. No finds or samples were collected from either fill. Arch



brown/orange clay/silt with frequent scattered charcoal and occasional pieces of burnt clay or flint. No finds were collected.



#### Trench 28

0055 was a circular posthole, measuring 0.4m in diameter and 0.28m deep, with steep sloping sides and a concave base. Ten sherds of Iron Age and four sherds of Late Neolithic/Early Bronze Age pottery were recovered from its fill, 0059, a mid brown silt/clay with occasional flints and charcoal flecks. Radiocarbon analysis of seeds from this fill gave a date of 390-200 BC (see section 4.6.4. below and Appendix 9).

0060 was a circular posthole, measuring 0.4m in diameter and 0.35m deep, with steep sides and concave base. Three sherds of Iron Age and a single residual sherd of Late Neolithic/Early Bronze Age pottery were recovered from its fill, 0061, a mid-dark brown silt/clay with occasional flints, frequent charcoal and flecks of burnt clay.

0062 was a small oval posthole, measuring 0.22m by 0.25m and 0.2m deep, with moderate sloping sides and a flat base. Its fill, 0063, was a mid brown/pale grey silt/clay with occasional charcoal flecks.

0073 was a silt layer lying across the excavation area around trench 28. It contained occasional areas of charcoal flecks and iron pan and scattered sherds of Iron Age pottery and a single Roman sherd, 0072, lay on its surface near the various features. As the features cut the layer, and with surface cleaning and excavation of a sample trench showing a distinct lack of material, it is though to be a natural deposit.

0074 was an oval posthole, measuring 0.4m by 0.55m and 0.3m deep. It had vertical sides with a concave base and a fill, 0075, of mid brown clay/silt with increasing amounts of charcoal towards the base and scattered flints.



0078 was an oval posthole, measuring 0.45m by 0.25m and 0.2m deep. It had steep sides, a concave base and a fill, 0079, of dark brown clay/silt with charcoal from which three sherds of Iron Age pottery were recovered. After 100% excavation a deeper circular posthole, 0.25m in diameter and 0.4m deep was apparent at the northern end.

0080 was a deep oval posthole, measuring 0.32m by 0.25m and 0.4m deep. It had steep sides, an irregular base and a fill, 0081, of dark brown clay/silt with charcoal from which five sherds of Iron Age pottery were recovered.

0082 was a small, circular posthole, measuring 0.2m in diameter and 0.24m deep, with vertical sides and a concave base. Its fill, 0083, was a mid brown silt/clay with occasional charcoal flecks from which three sherds of Iron Age pottery were recovered.

0084 was a large circular posthole, measuring 0.6m in diameter and 0.54m deep, with steep sides and a concave base. Its fill, 0085, was a dark grey/brown silt clay with charcoal flecks and occasional flints from which fifteen sherds of Iron Age pottery were recovered. Cremated bone in the fill consisted of parts of a possible juvenile cremation mixed with animal bone.

0100 was a small pit, containing fragments of an adult human cremation. Measuring 0.45m in diameter and 0.2m deep it had moderate sloping sides and a concave base. The basal fill, 0102, was a light orange/brown clay mixed with burnt clay and charcoal flecks. Above this was 0101, a dark brown/black silt/clay with charcoal, daub and burnt bone. No other finds were collected from either fill.

0103 was a circular pit, measuring 0.85m in diameter and 0.28m deep, with steep sides and a flat base. Its fill, 0104, was a mottled pale brown silt with frequent charcoal fleck, fired clay, burnt bone and scattered flints. Lying on the base of the north-east half of the pit were 24 sherds of Iron Age pottery, 0109, amounting to c.80% of the total weight of the phase pottery assemblage. Originally thought to be a possible human cremation, the burnt bone has now been identified as being almost certainly of animal origin (see section 4.6.1.below). Radiocarbon analysis of charcoal from the fill gave a date of 760-410 BC (see section 4.6.4. below and Appendix 9).

There was an irregular pit or hollow in the western part of the excavated area, approximately 5m in diameter, and infilled with 0105, a homogenous layer of mid brown silt and 0106, a homogenous layer of dark grey/brown silt. Set within the top of fill 0106 were two deposits of bone, 0107 and 0108, initially thought to be a possible burial but again identified as being of animal origin (see section 4.6.1. below). These were recorded and removed prior to a slot section, 0124, being excavated across 0105 and 0106. This section showed a natural slope to the hollow on the south and eastern sides, with 0105 slumping in towards the centre, under 0106. In the centre of the hollow the trench reached a depth of 0.55m before it was abandoned due to waterlogging caused by poor weather conditions and one of the test boreholes excavated for the reservoir development.

Suffolk County Council Suffolk County Council Suffolk County Council Suffolk County Council

Suffolk County Council Suffolk County Council Suffolk County Council Suffolk County Council Suffolk County Council



Figure 9. Trench 33



Figure 10. Trench 33 - feature plans and sections



Figure 11. Trench 33 - feature plans and sections

#### **Trench 35**

Three sherds of Iron Age pottery, 0035, were recovered from the ploughsoil during machining Council counc of the trench.

0086 was a shallow, oval pit, measuring 0.6m by 0.8m and 0.1m deep. It had gentle sloping sides, a flat base and a fill, 0087, of mid brown silt/clay with chargest fits that sherd of Iron Age pottery was recovered.

0088 was a circular posthole, 0.34m in diameter and 0.28m deep, with moderate sloping sides and a concave base. Its fill, 0089, was a mid-dark brown silt with occasional flecks of charcoal and flints from which six sherds of Iron Age pottery were recovered.

0090 was a circular posthole, measuring 0.4m diameter and 0.23m deep, with moderate sloping sides and a concave base. Its fill, 0091, was a mid brown silt with charcoal flecks and orange sand from which ten sherds of Iron Age pottery were recovered. Analysis of the charcoal within the fill has given a radiocarbon date of A.D. 1220-1300 (see section 4.6.4. below and Appendix 9). As the feature was otherwise similar to, and therefore probably contemporary with, others in the trench this may be an unreliable result caused by disturbance to the deposit.

0092 was a circular pit, clearly defined on its western side but merging into a natural silt hollow to the east. Measuring 1m in diameter and 0.2m deep with gentle sloping sides and a flat base it had a fill, 0093, of mid brown silt/clay from which a single sherd of Iron Age pottery was recovered.

0094 was a small circular posthole, measuring 0.3m in diameter and 0.08m deep. It had irregular sides and base with a fill, 0095, of mid brown clay/silt with traces of charcoal.

0096 was a circular posthole, 0.3m in diameter and 0.2m deep. Its fill, 0097, was a mid brown silt/clay with charcoal flecks.

0098 was a small circular posthole, 0.3m in diameter and 0.1m deep with moderate sloping sides and a concave base. Its fill, 0099, was amid brown clay/silt with traces of charcoal from which a single sherd of Iron Age pottery was recovered.

0110 was a small circular posthole, 0.3m in diameter and 0.2m deep, with near vertical sides and a flat base. Its fill, 0111, was a dark grey, charcoal rich, silt, with very few stones.

0114 was an oval pit, measuring 0.5m by 0.38m and 0.18m deep, with steep sides and a concave base. Its fill, 0115, was a dark brown silt/clay from which two sherds of Iron Age pottery were recovered. N 5 COU

0117 was a circular, 0.6m in diameter and 0.24m deep, with steep sides and a concave base. Its fill, 0118, was a mid brown silt with flint inclusions.

0119 was a circular pit, lying partially under the trench baulk and heavily disturbed by an animal burrow. It was 0.8m in diameter and 0.25m deep and had moderate/steep sides and a concave base. Its fill, 0120, was a dark grey/brown clay silt with occasional flints and charcoal.

0121 was a circular pit, 0.8m in diameter and 0.15m deep, with moderate sloping sides and an uneven concave base. Its fill, 0122, was a mid brown silt/clay with flints from which four sherds of Iron Age pottery were recovered.



Suffolk County Council Suffolk County Council Suffolk County Council Service

Suffolk County Council Suffolk County Council



Figure 13. Trench 35 - feature plans and sections

#### Trenches 37 and 41

uncil ice 0112 was an oval pit, partially underlying the trench edge and aligned north-west to south-east. It measured 0.9m by 1.1m and 0.17m deep and had moderate sloping sides and a concave base. Its fill, 0113, was a dark brown silt/clay with charcoal from which fourteen sherds of Iron Age 1200 pottery were recovered.

0066 and 0068 were a pair of possible linear features. However both had somewhat irregular cuts through natural clay but bases of natural silt. This, together with their homogenous, stoneless brown silt fills, 0067 and 0069 respectively, indicates that they are natural channels. A single sherd of Iron Age pottery was collected from 0069.



A single sherd of Iron Age pottery, 0123, was recovered during machining of the trench. gle sher

#### 3.4. Phase III: Post-medieval

(Figs. 3 and 4)

0064 was a possible ditch in Trench 26, but more likely a natural hollow, measuring up to 2.7m wide and 0.3m deep. Its fill, 0065, was a mid brown clay/silt and contained a post-medieval iron nail and a copper alloy disc.

0052 was an irregular hollow, measuring up to 1.55m wide and 0.15m deep. Excavated in section 0054 its fill, 0053, was a light-mid brown clay/silt. Following the extension of the trench it was apparent that it merged with layer 0073. A single sherd of 16th-18th century pottery and a fragment of CBM were collected.

Suffolk County Council Suffolk County Council Archaeological Service

Suffolk County Council Suffolk County Countice Archaeological Service

Suffolk County Council Suffolk County Countice Archaeological Service

#### 4. Finds and environmental evidence

Cathy Tester

#### 4.1. Introduction

Table 2 shows the quantities of finds collected during the evaluation and excavation. A full quantification by context is included as Appendix 3. ....A Suffolk Coursica Archaeologica Archaeolog

Find type	No.	Wt/g
Pottery	206	2866
CBM	6	142
Fired clay	25	143
Worked flint	52	812
Burnt flint/stone	78	917
Iron	1	7
Copper alloy*	2	39
Animal bone	67	291

Table 2. Finds quantities (\* = inc small find)

#### 4.2. Pottery

A total of 206 sherds of pottery were recovered during the excavation. Almost all of the material is prehistoric, only a few sherds are later. The quantities by period are summarised in Table 3 and the full catalogue is in Appendix 4.

Period	No.	Wt/g
Prehistoric	203	2823
Roman	1	13
Medieval	1	22
Post-medieval	1	8
Total	206	2866

Table 3. Pottery quantities by ceramic period

#### 4.2.1. Prehistoric Pottery

Sarah Percival

Two hundred and three sherds of prehistoric pottery weighing 2823g were recovered from twenty excavated contexts and four unstratified surface collections. Stratified contexts produced 96% of the assemblage, 4% is unstratified. The majority of the sherds are of earlier Iron Age date with a smaller number of later Neolithic to earlier Bronze Age pottery. The assemblage is moderately well preserved with 22% being abraded or very abraded. The quantities by ceramic period are shown in Table 4 and the full catalogue by context is in Appendix 4. Archaeo uffol

			n'n'	200
Date	No.	% No.	Wt/g	% Wt
Iron Age	173	85.2	2546	90.2
Later Neolithic to earlier Bronze Age	27	13.3	263	9.3
Not closely datable	3	1.5	14	0.5
Total	203	100.	2823	100%

Table 4. Prehistoric pottery quantities by period

#### Methodology

The assemblage was analysed using the pottery recording system described in the Norfolk Archaeological Unit Pottery Recording Manual and in accordance with the Guidelines for analysis and publication laid down by the Prehistoric Ceramic Research Group (PCRG 1992; 1997). The total assemblage was studied and a full catalogue was prepared. The sherds were examined using a binocular microscope (x10 magnification) and were divided into fabric groups defined on the basis of inclusion types present. Eabric and the fabric states of the basis of inclusion types present. representing the main inclusion present (F representing flint, G grog and Q quartz). Vessel form was recorded: R representing rim sherds, B base sherds, D decorated sherds and U undecorated body sherds. The sherds were Archaeo counted and weighed to the nearest whole gram. Decoration and abrasion were also noted.



#### Later Neolithic to earlier Bronze Age

Twenty seven sherds of Beaker pottery, weighing 263g, were recovered from four features comprising one pit and three postholes. Beaker pottery dates from the later Neolithic to the earlier Bronze Age and was current from approximately 2600 to 1800BC (Kinnes et al 1991). Posthole 0076 (0077) produced an associated radiocarbon date of 3700±30 BP with a calibrated age range of 2200-1980 BC (95.4% probability).

#### Fabric

Three fabrics were identified in two fabric groups (Table 5). Sandy fabrics predominate with a smaller quantity of sherds being flint tempered. The fabrics are fairly typical for Beaker styles from East Anglia, although the assemblage lacks grog tempering which might have been uffolk expected.

	Sv Mv				
Fabric	Description	No.	% No	Wt./g	% Wt
F3	Moderate medium sub rounded burnt flint; occasional quartz sand.	12	44.4	39	14.8
Q1	Common rounded quartz sand; very occasional flint	14	51.9	220	83.7
Q2	Common rounded quartz sand	1	3.7	4	1.5
Total		27	100.0	263	100.0

Table 5. Late Neolithic to earlier Early Bronze Age fabric quantities

#### Form and decoration

Vessel form is hard to establish as the assemblage is highly fragmentary. One partial profile, from pit 0070 (Fig. 16), suggests a globular vessel similar to examples from Felixstowe (Clarke 1970, corpus no. 393) and Runcton Holme (*ibid* corpus no 402). The Beaker pottery has impressed bands made with a fine square tooth comb alternating with wide undecorated bands (cf. Healy 1996, fig.99, P326). A single sherd from a second vessel with comb impressed bands was also found in pit 0070.

Five sherds have single fingernail impressions similar to examples from Wattisfield (Gibson 1982 Fig. WAT.3, 13) and seven have pinched fingertip impressions. The use of fingertip impressed decoration is very common amongst fen edge non funerary Beaker assemblages (Gibson 1982, Bamford 1982, Healy 1996).



Figure 16. 0071 pottery illustration, Beaker, comb impressed fabric Q1

#### Deposition

Beaker pottery was recovered from four features (Table 6). Three postholes, from Trench 28, produced modest quantities of small abraded sherds. Pit 0070, from Trench 31, contained the remains of two vessels, one represented by a single sherd and one by a partially complete profile of a globular comb impressed vessel. All the features contained dark charcoal rich deposits perhaps suggesting that the fill was formed of redeposited midden material (Healy 1995, 174; Thomas 1999, 64; Garrow 2006).

	Trench	Feature	No.	% No	Wt./g	% Wt	
	28	Posthole 0055	4	14.8	18	6.8	
	12	Posthole 0060	1	3.7	5	1.9	11
	nch	Posthole 0076	7	25.9	16	6.1	inci.e
col	31	Pit 0070	15	55.6	224	85.2	CON. NICO
N C	Total		27	100.0	263	100.0	N Cer
unials	Table 6.	Beaker pottery q	uantities b	by trench	and fea	ture	Incal 5
of the seologic						folkcol	odic
S Iron Age					Sup	rchu	

An assemblage of 173 sherds weighing 2546g was recovered from sixteen features and four collections of unstratified finds. The Iron Age sherds vary in condition, whilst many are small and abraded, some, such as those found in pit 0103, are larger and well preserved.

Fabric

Six fabrics were identified in two fabric groups (Table 7). Flint-tempered sherds form the majority of the assemblage making up over 93% of the total weight (2372g). Quartz sand fabrics Countice form just under 7% of the assemblage (174g).

	N cel			14	Geli
Fabric	Description	No.	% No.	Wt./g	% Wt
F	Indeterminate flinty fabric	1	0.6	Corde	0.0
F1	Common fine angular flint; moderate medium rounded quartz sand	30	17.3	175	6.9
F2	Common medium angular flint; moderate medium rounded quartz	95	54.9	2027	79.6
Sucho	sand		Such		
F4	Moderate medium to coarse angular flint; moderate medium	22	12.7	169	6.6
	rounded quartz sand				
Q3	Common rounded quartz sand; rare to moderate medium angular	20	11.6	130	51
	flint				
Q4	Common rounded quartz sand	5	2.9	44	1.7
Total		173	100.0	2546	100.0

Table 7. Iron Age fabric quantities

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

#### Form

Council Is Service The assemblage contains a minimum of eleven vessels based on rim count. Eight rims can be classified, using the system devised by Barrett (1980), as being medium to large coarse Class I jars with flattened or folded rims. A partial profile, from pit 0103 (Fig. 17), is also from a Class I jar with flat rim and angular shoulder similar to examples from West Harling (Clark and Fell 1953, fig.15, 70). The vessel is undecorated, the exterior is smoothed and the interior is rough wiped. The jar is fairly large with a diameter at the rim of 200mm. One rim has fingertip impressions along the rim top.

Two examples of rims with rounded rim endings and burnished exteriors suggest that the assemblage also contains a smaller number of fine, thin-walled Class II vessels. It is likely that some of the sherds, such as an incised decorated sherd from posthole 0088, may be from Class IV fine bowls but no Class V small fine cups were identified.

Decoration is rare. Single fingernail impressions occur on two sherds, one sherd is fingertip Suffolk County Service impressed (Martin 1993, fig.23, 70). A single sherd, from posthole 0088, has a triple band of 📣 Suffolk County Coen wide shallow incised lines, a decorative technique also found at Little Bealings (Martin 1993,



Figure 17. 0109 pottery illustration, Iron Age, fabric F2

#### Deposition

Over 85% of the assemblage (2175g) was recovered from pits, 10% (243g) is from postholes and less than 1% came from the fill of linear features. The remaining 4% of the Iron Age pottery came from unstratified surface collection.

The distribution of the pottery between the pits is uneven, whilst most of the features contained less than 50g of pottery, one pit, 0103, produced over 2000g (Table 8). The assemblage from pit 0103 contained large sherds from four vessels including the partial profile of a large jar. The large size and good condition of the sherds in pit 0103 contrasts with the small abraded sherds found in the other features.

Trench	Identifier	Feature	No.	Wt./g	
18	Unstratified	0018	5	27	
28	Posthole	0055	10	21	
		0060	3	4	
	Unstratified	0073	6	13	
33	Pit	0103	74	2037	
	Posthole	0078	3	20	1
CII		0080	5	12	nch
outrice		0082	3	20	coullinge
Cognie		0084	15	119	w cen.
35	Pit	0086	1	11	1000 20
CON. ica.		0092	1	2 0	u jca.
11 109'		0114	2	4	09.
foreor		0121	4	21	•
Sucha	Posthole	0088	6	5 36	
Aro		0090	10	10	
		0098	1	1	
	Unstratified	0035	3	58	
37	Pit	0112	14	100	
40	Unstratified	0123	1	12	
41	Linear feature	0068	1	18	
Total			173	2546	

Table 8. Iron Age pottery deposition by trench and feature

#### Discussion

The Iron Age pottery from Sapiston reservoir is a plain-ware assemblage of post Deverel-Rimbury style. The assemblage finds parallels with the earlier Iron Age sherds from Barham, 25miles to the south-east (Martin 1993, 38), which dates to the ninth to fourth centuries BC. Pit 0103 (0104) produced an associated radiocarbon date of  $2455 \pm 30$  BP with calibrated age ranges of 760-680 BC (25.8% probability) and 670-410 BC (69.6% probability). Posthole 0055 (0059) produced a date of 2225±30 BP with a calibrated age range of 390-200 BC (95.4% probability). The pots were almost certainly domestic, suggested by the high proportion of coarse jars with the assemblage and the presence of sooting and other residues indicating the vessels were used for cooking.

The deposition of the sherds within the fills of pits and postholes is typical of many earlier Iron Age assemblages from East Anglia. Most of the pits and postholes contain the fragmentary remains of incomplete vessels, many represented by a single or small number of sherds. In contrast one pit, 0103 contained a large assemblage. It is probable that features 0055 and 0060 at least do not represent the original context of deposition for the pottery, which may have been incorporated into the features within a dump of mixed domestic debris from a conserved pre-pit context (Hill 1995). Pit 0103 contained large fresh sherds from a single vessel alongside small abraded sherds from a pre-pit context. It is possible that this pit represents a slightly different e delib. delib. counti Countice service w be depositional practice where large unabraded sherds were deliberately selected and placed within the pit.

#### 4.2.2. Post-prehistoric pottery

A Roman grey micaceous ware (GMG) jar base was collected from the surface of silt layer 0073 (0072).

A medieval coarseware (MCW) handle of 12th-14th century date was unstratified in Trench 17 (0017).

A glazed red earthenware (GRE) bodysherd of 16th-18th century date was found in linear feature 0052 (0053) in Trench 28.

#### 4.3. Ceramic Building Material (CBM) and fired clay

4.3.1. CBM

Six fragments of post-medieval rooftile (142g) were found in three contexts. All were made in an orange sandy fabric with few other inclusions.

Two fragments (19g) were unstratified in Trench 2 (0002) and three (116g) were unstratified in Trench 23 (0023). One fragment (7g) was found with associated pottery of 16th-18th century date in linear feature, possible ditch 0052 in Trench 28 (0053).

#### 4.3.2. Fired clay

Twenty-five fragments of fired clay (143g) were collected from seven contexts, five postholes, a pit and one was unstratified.

All were tempered with medium to coarse sand and some with organic matter as well. Fragments with smoothed surfaces were found in posthole fills 0061and 0085 and pit fill 0104 and these were probably pieces of daub. The other fragments had no distinguishing features. The material is undatable but had associated Iron Age pottery in all but one context.

#### 4.4. Miscellaneous

*4.4.1. Flint* Sarah Bates

#### Introduction

Fifty flints were recovered from the site. The flint is mostly mid to dark grey with cortex, where present, usually being a dirty cream or off-white colour. Quite a few pieces have patinated glossy white surfaces showing that weathered, surface-collected, flint was used as a raw material. A small number of pieces have thin pebble-type cortex. The assemblage is summarised in Table 9 and detailed by context in Appendix 5.

ourical		
Туре		No.
core fragment		1
core/tool		1
shatter		1
flake		31
blade-like flake		4
blade		1
spall		2
end scraper		1
piercer		1
retouched flake		4
utilised flake		3
Total		50
<b>T</b> 11 0 <b>G</b>	0.1	01.

Table 9. Summary of the flint

#### The assemblage

Part of a core was found in fill 0097 of post-hole 0096. It has been struck from the side of a core and has a heavily battered platform area and a few scars from previous removals. Its dorsal surface is mostly cortical.

Another fragment has all of its faces corticated or heavily patinated to a glossy white surface 0097. Flakes have been quite neatly struck from along one side; the piece may have been used as a core or be a crude scraper-type tool.

A shattered fragment came from fill 0087 of pit 0086.

Most of the assemblage comprises unmodified flakes. These are mostly small and often quite irregular; several pieces have cortical platforms showing that little preparation of the cores probably occurred prior to their use. A few pieces appear to have been struck from very small 'cores' – possibly small fragments of flint gravel. A small number of blade-like pieces are present, two of them are very small and two, along with a small blade, were recovered from a sample from fill 0071 of pit 0070, an apparently isolated feature in Trench 31.

Two probable tools are present but both of them have been only minimally modified for use, if at all. There is a blade-like flake which is quite thick with thin pebble-type cortex (unstratified context 0029). Its distal end – which is naturally 'scraper-like' has been slightly retouched – or possibly just utilised as an end scraper. An irregular flake from fill 0122 of pit 0121 has a long protruding distal point and may have been used as a piercer.

There are also four other miscellaneous retouched flakes and an utilised flake.

A total of eighteen pieces of flint were recovered from unstratified contexts.

#### Discussion

A small number of blade-like pieces came from the fill, 0071, of pit 0070, and it is notable that this feature also contained pottery of Late Neolithic/early Bronze Age date; the flint seems likely to be contemporary with the ceramic material especially as the flint is quite sharp.

Mostly, however, the flint is much more irregular, mostly hard hammer struck and little care seems to have been taken in preparing and using cores. A variety of raw material has been used – indicated for example, by the presence of pebble cortex and patinated flint – and there are no well-made formal implements – those tools that are present are, more or less, flakes which were of suitable shape and size without further modification. It seems most likely that the assemblage represents the fairly *ad hoc* use of surface-collected flint. These attributes have all been suggested as characteristic of assemblages from the later prehistoric period (later Bronze Age or Iron Age) (Young and Humphrey 1999) and the recovery of many of the present flints from deposits which also include Iron Age pottery may not be coincidental.

#### 4.4.2. Burnt flint and stone

Seventy-eight fragments of burnt flint and stone were collected from seven contexts. All of the flint is blue-grey or white and fire-cracked and was probably used as pot-boilers. The largest group (64 pieces, 457g) was from pit 0056 (0058). There were no other concentrations. A fragment of burnt sandstone (127) was collected from posthole 0055 (0059). Most of the contexts had associated pottery and flint of Iron Age or late Neolithic to early Bronze Age date.

#### 4.5. Small finds and metalwork

An iron nail (7g) and a copper alloy disc (22mm diameter) found in possible ditch/linear feature 0064 (0065) are post-medieval. A fragment of copper alloy, lead-rich 'waste metal' (36g) is 46mm wide and 18mm long with a thickness of 9mm at the cut edge, tapering on its other three sides. The piece is undatable and was unstratified (SF 1001).

#### 4.6. Biological evidence

4.6.1. Cremation burials Sue Anderson

Introduction CC

ount council eval service This report examines the cremated bone collected from three features during the evaluation. All three groups of bone were found in the area uncovered by Trench 33, and came from post-hole 0084, cremation burial 0100 and pit 0103.

#### Methodology

The burnt bone was collected as bulk samples and sieved, the contents being divided into <5mm and >5mm fractions was washed. In addition to the cremated bone, the <5mm samples contained pea grit, charcoal fragments and occasional shell, so the bone was hand separated from this residue for weighing.

The bone from each context was sorted into six categories: skull, axial, upper limb, lower limb, unidentified long bone, and unidentified. All fragments in the first five categories were counted and weighed to the nearest tenth of a gram, those in the sixth were weighed only. This allowed an average fragment weight to be calculated. Measurements of maximum skull and long bone fragment sizes were also recorded. These data are listed in Appendix 6. Observations were made, where possible, concerning bone colour, age, sex, dental remains and pathology. Identifiable fragments were noted. Methods used follow the Workshop of European Anthropologists (WEA 1980) and McKinley (1994 and 2004). A catalogue of burials is included as Appendix 7.

#### **Ouantification, identification, collection and survival**

Table 10 shows the bone weights, percentages of identified bone from each burial, and the proportions of bone identified from the four areas of the skeleton (skull, axial, upper limb, lower limb). Expected proportions are provided in the first row.

Context	Total wt/g	% identified	% Skull	% Axial	% U limb	% L limb
Expected*			18.2	20.6	23.1	38.1
0084	27.1	4.4	50.0	8.3	-	41.7
0100	114.4	19.3	52.9	1.4	4.5	41.2
0103	11.2	0.0	-	-	-	-

Table 10. Percentages of identified fragments out of total identified to area of skeleton. (\*expected proportions from McKinley 1994, 6)

This shows that skull and lower limb fragments are over-represented amongst the identifiable material, and that other areas of the skeleton are under-represented. It has been suggested that 'it should be possible to recognise any bias in the collection of certain areas of the body after cremation' (McKinley 1994, 6), but in this case the groups are too small to identify this.

Mays (1998, Table 11.2) notes that the combusted weight of an adult skeleton has a mean of around 1500g for females and 2300g for males. The largest quantity of bone in this assemblage came from cremation burial 0100, but it represents only a very small proportion of the combusted weight of an average adult skeleton.

#### The cremation burials

Only one of the three groups, 0100, could be identified as human with any certainty. This consisted of fragments of skull and long bones of an adult, but the individual was unsexable and there was no evidence to provide a closer estimate of age. No joint surfaces or margins were present and this, together with the lack of any axial fragments, meant that it was not possible to assess the remains for degenerative changes. The two other groups contained abraded bones which appeared to include some juvenile fragments in 0084, but there were almost certainly animal remains in both this and 0103.

The degree of fragmentation, based on average fragment weight, was very high. The largest fragment was only 25mm long. Fragments from 0084 and 0103 had a chalky texture and showed signs of abrasion suggestive of redeposition, although those from 0100 appeared less abraded.

The majority of bone in this group was fully oxidised and cream to white in colour, although some internal areas were grey-blue, and some fragments from 0084 were unburnt, strengthening the suggestion that this was a mixed deposit of animal bone. The presence of a high proportion of white bone indicates firing temperatures in excess of c.600°C (McKinley 2004, 11).

#### **Summary and Discussion**

The three groups of bone represent a minimum of one adult and possibly one juvenile, although it seems likely that the latter was a juvenile mammal mixed with other animal remains. One of the groups, 0103, was almost certainly animal in origin and therefore either a funerary meal or the remains of domestic hearth waste.

There was no evidence for more than one skeleton within the definite human burial, although the quantity of bone was small. The total weight of bone indicates that the entire skeleton was not present in this burial. This may be due to incomplete collection, but appears more likely to be due to truncation at some point after burial. It should be noted, however, that cremations of Iron Age date are commonly found to be less intact and more crushed than those of the Bronze Age, whether urned or not, perhaps suggesting a change in the cremation rite during this period.

#### 4.6.2. Animal bone

A total of 67 fragments of animal bone weighing 291g was recovered during the excavation. Apart from the burnt group from pit 0103, animal bone was only found in four contexts and that which was present was in very poor condition due to acid soil conditions which probably account for the absence of bone from other features as well.

Two small groups of large and medium mammal long bone fragments were recovered from within layer 0106, the fill of a natural hollow in Trench 33 (0106 and 0108) with no associated datable finds. Fragments of a single sheep tooth were found in posthole 0110 (0111) in Trench 35. Large and medium mammal bones and teeth were found with associated Iron Age pottery in pit 0112 (0113) in Trench 37.

Overall, the group is too small and poorly preserved for any conclusions regarding its composition to be made, but it probably represents the remains of food waste from domestic activity in the area.

4.6.3. Plant macrofossils Val Fryer

#### **Introduction and method statement**

Samples for the retrieval of the plant macrofossil assemblages were taken from across the excavated area of the evaluation and twelve were submitted for account of the evaluation and twelve were submitted for account of the evaluation and twelve were submitted for account of the evaluation and twelve were submitted for account of the evaluation and twelve were submitted for account of the evaluation and twelve were submitted for account of the evaluation and twelve were submitted for account of the evaluation and twelve were submitted for account of the evaluation and twelve were submitted for account of the evaluation and twelve were submitted for account of the evaluation and twelve were submitted for account of the evaluation and twelve were submitted for account of the evaluation account of the evaluation and twelve were submitted for account of the evaluation excavated area of the evaluation and twelve were submitted for assessment. The samples were processed by manual water flotation/washover and the flots were collected in

a 500 micron mesh sieve. The dried flots were scanned under a binocular microscope at magnifications up to x 16 and the plant macrofossils and other remains noted are listed in Appendix 8. Nomenclature within the table follows Stace (1997). All plant remains were charred. Modern contaminants including fibrous roots, seeds and arthropods were present throughout.

#### **Results**

With the exception of charcoal fragments, which were common or abundant throughout, plant macrofossils were scarce, with five assemblages (samples 1 (0059), 9 (0101), 10 (0102), 14 (0113) and 20 (0091)) containing single fragmentary cereal grains or seeds of common cereal crop weeds, and two samples (5 (0071) and 8 (0077)) producing moderate densities of hazel (Corylus avellana) nutshell fragments. Small pieces of charred root or stem were noted within three of the assemblages studied. Preservation was generally poor, with most of the macrofossils being heavily coated with yellow/brown mineralised concretions.

Other material types were equally scarce, although most assemblages contained small fragments of bone, many of which were burnt. The latter were particularly abundant within the fill, 0085, of Iron Age posthole 0084. Small pellets of burnt or fired clay were noted within samples 1 (0059), 2 (0061), 9 (0101) and 11 (0085), and burnt stone fragments were present within samples 3 (0058) and 9 (0101).

#### **Conclusions**

In summary, the assemblages are generally very small, with all but two being of 0.1 litres or less in volume. Charcoal/charred wood fragments, some of which are flaked (possibly signifying) combustion at very high temperatures), are predominant, although their origin is uncertain. The presence of a number of burnt bone fragments may be indicative of disturbed/dispersed cremation deposits, and an intact cremation was recorded within feature 0100 (samples 9 and 10). It is assumed that most of the remaining plant macrofossils are either derived from scattered refuse or from additional materials used as kindling/fuel for the cremation pyres. chaeo uffo

#### **Recommendations for further work**

As none of the assemblages contain sufficient material for quantification (i.e. 100+ specimens), no further analysis is recommended. However, at the request of the excavator, material which may be suitable for AMS/C14 dating was identified.

#### 4.6.4. Radiocarbon analysis

Four samples were submitted to SUERC for AMS dating. These were measured on a 250 kV single stage accelerator mass spectrometer and the resultant radiocarbon ages calibrated to the calendar timescale using OxCal 3.10 (Copyright Christopher Bronk Ramsey 2005). The dating certificates are included in Appendix 9.

Indeterminate seeds from the fill of posthole 0055 (0059) produced a radiocarbon age of 2225  $\pm$  30 BP [Sample code: SUERC-19596 (GU-16920)]. This produced a calibrated age range of 390-200 BC (95.4% probability).

Hazelnut shell from the fill of posthole 0076 (0077) produced a radiocarbon age of  $3700 \pm 30$  BP [Sample code: SUERC-19597 (GU-16921)]. This produced an overall calibrated age range of 2200-1980 BC (95.4% probability). Within this overall range, there is an 84.3% probability that the age lies within the range 2150-2010 BC.

Indeterminate grains from the fill of posthole 0090 (0091) produced a radiocarbon age of  $730 \pm 30$  BP [Sample code: SUERC-19598 (GU-16922)]. This produced calibrated age ranges of 1220-1300 AD (95.4% probability) and 1260-1290 AD (68.2% probability).

Unidentified charcoal from the fill of pit 0103 (0104) produced a radiocarbon age of  $2455 \pm 30$  BP [Sample code: SUERC-19599 (GU-16923)]. This produced calibrated age ranges of 760-680 BC (25.8% probability) and 670-410 BC (69.6% probability).

#### 4.7. Discussion of the finds and environmental evidence

The evaluation and excavation produced an assemblage of mainly prehistoric finds. The material appears to be domestic waste and probably indicates occupation on this site or in the near vicinity.

The pottery assemblage includes a small amount of later Neolithic to earlier Bronze Age Beaker pottery found in four contexts, two of which also contained later-dated material. The majority of the pottery is Iron Age, a plainware assemblage of post Deverel-Rimbury style that has parallels with earlier Iron Age pottery from Barham. It is almost certainly domestic in nature as indicated by a high proportion of coarse jar sherds with sooting and other residues that suggest they have been used for cooking.

Similarly, the flint assemblage contains some material that is probably later Neolithic or early Bronze Age and found in contexts with associated pottery of the same date. Apart from these few pieces however, most of the flint has attributes that are characteristic of later Bronze Age or Iron Age assemblages.

One of three groups of cremated bone was identified as human remains. The other two groups were identified as animal remains which could represent a funereal meal or domestic hearth waste. With the exception of the burnt material, animal bone preservation was poor. Due to adverse soil conditions very little was recovered.

Apart from charcoal fragments which were abundant, plant macrofossil assemblages were very small and preservation was poor but did provide suitable material for four AMS/C14 dates. The material is assumed to derive from scattered refuse or fuel debris.

There is no evidence that the site was used intensively after the Iron Age. Later material included single sherds of Roman, medieval and post-medieval pottery and post-medieval rooftile fragments, a nail and other metal fragments.

.d. and oi Councille Suffolk County councile Suffolk County can service

Suffolk County Council Suffolk County Council Archaeological Service

Suffolk County Council Suffolk County Council Archaeological Service

Suffolk County Council Suffolk County Council Suffolk County Council Suffolk County Council Suffolk County Council

Suffolk County Council Suffolk County Council Archaeological Service

#### **5.** Discussion

The evaluation demonstrated a near total absence of archaeological evidence in the northern of the two fields forming the reservoir site. With only a limited quantity of unstratified material being recovered from Trenches 02, 17, 18 and 40 it seems unlikely that any substantial deposits have been lost to truncation processes such as ploughing and that the lack of deposits is a genuine reflection of an absence of past human activity.

In contrast nine of the eighteen trenches in the southern field contained archaeological features. As a further three trenches, No's 23, 29 and 30, contained unstratified material it is possible that truncation may have removed other shallow deposits. Evidence of domestic activity in the Late Neolithic/Early Bronze Age period was identified, mainly in Trench 28, with one firmly dated feature, posthole 0076, and other finds possibly being redeposited in two later features but also in Trench 31 with feature 0070.

The majority of the features are thought to be of an Iron Age date and probably represent a low level of domestic activity over a broad period of time, as indicated by the radiocarbon dates of 0104 (760-410 BC) and 0059 (370-200 BC). Features consisted of a sparse scatter of pits and postholes, hinting at the possible presence of small buildings and hearths although no discernable spatial patterns were apparent and there was no evidence of any associated enclosure ditch. Feature fills frequently contained small amounts of material likely to have originated from domestic refuse or hearth waste. The nature of the pottery assemblage also indicated the presence of domestic activity and suggests an Early Iron Age date for this occupation, which is supported by radiocarbon dating of the fill of 0103. However some of the features may be of a slightly later Middle Iron Age date, as indicated by the radiocarbon date of the fill of 0055.

One research aim listed as a high priority in the Regional Research Framework (Bryant 2000, 16) is for the development of dating methods for Iron Age sites. The combination of the pottery assemblage with two radiocarbon dates, in particular in pit 0103, is therefore important data which could aid in the development of regional pottery sequences.

The site's position, overlooking the Blackbourn river valley to the south-east, was thought to offer high potential for prehistoric settlement as topographic locations such as this in Suffolk are often sites of prehistoric occupation and there were known find spots of prehistoric material in the immediate vicinity such as SAP 001, 500m to the north-west. For instance in the adjacent parish of Barnham, 6km to the west, a Late Iron Age enclosure, BNH 009, which followed intermittent occupation, has been partially excavated on a site overlooking the Little Ouse (Martin 1992, 1-22). At Chilton, 34km to the south, a Late Bronze or Early Iron Age enclosure, CHT 009/CHT 015, has been excavated on high ground above the Stour valley (Abbot 1998 and Craven in prep). At Barham two Iron Age settlement areas, BRH 015 and BRH 017, both apparently unenclosed, have been investigated on hills overlooking the River Gipping, 25miles to the south-east (Martin 1992, 23-40). The topographic resemblance of these latter sites to the area evaluated is paralleled by similarities between the unenclosed nature of the occupation and the pottery assemblages.

Despite these examples however, opportunities for large-scale archaeological investigation in such rural areas is often limited so that the extent and distribution of known Iron Age settlements is thought to be only a fraction of the true number (Bryant 2000, 14). This site was the first program of fieldwork to occur in the vicinity and so is of particular importance as it has demonstrated the presence of preserved prehistoric deposits where no evidence had previously been recorded. This indicates that further sites are likely to be scattered throughout the arable

fields along the slopes of the Blackbourn valley and it is clear that future archaeological work in the vicinity could help in the study of research topics such as the chronology, form and function of settlement or the development of the agrarian economy during the Iron Age.

There is no indication of activity on the site following the Iron Age period. The site is likely to have been open farmland, however, by the medieval period. A documentary survey by A. M. Breen, included in the desktop assessment of the site (Rolfe 2006, 18-22), details how the site is shown as farmland, sub-divided into small strips, on a map dated 1667. The probable subdivision of the field by a series of raised banks explains the lack of medieval/post-medieval drainage ditches or boundaries which could commonly be expected to occur within the trenching of an arable site this size. Only two features, 0052 and 0064, appears to be of this date and,

although 0052 was of uncertain shape, may in fact be a single ditch possible function.

Suffolk County Council Suffolk County Council Archaeological Service

Suffolk County Council Suffolk County Council Archaeological Service

Suffolk County Council Suffolk County Council Archaeological Service

#### 6. Conclusion and Recommendations

The evaluation identified a possible focus of Late Neolithic/Early Bronze Age activity amidst the more substantial remains of a phase of domestic Iron Age activity, the latter being centred in Trenches 28, 33 and 35.

The subsequent recommendation for further work arising from the evaluation results was for open area excavation centred upon these three areas. Due to the urgent requirements of the development it was agreed on site with Jess Tipper and Euston Farms to open the excavation areas around Trenches 28 and 33 immediately and to incorporate the results with those of the evaluation. The combined results are of significant interest and warrant further analysis and publication in a volume such as the Proceedings of the Suffolk Institute of Archaeology and History.

The main area of interest however, a relatively dense distribution of Iron Age features seen in Trench 35 lay wholly within the area of the reservoir bund. Agreement was reached to exclude this area of c.2700sqm from the general topsoil strip, meaning the bund would be built over untouched ground leaving any further archaeological deposits preserved in situ. As a result no further fieldwork was required to meet the planning condition following completion of the evaluation. However it is worth noting that in future, if development of the site preserved under ...ent of , arred. Suffolk Countries Service the bund should occur – perhaps in repair or enlargement of the reservoir – then a programme of archaeological excavation of this area will be required.

John Craven

June 2008

#### **Disclaimer**

Any opinions expressed in this report about the need for further archaeological work are those of the Field Projects Division alone. The need for further work will be determined by the Local Planning Authority and its archaeological advisors when a planning application is registered. Suffolk County Council's archaeological contracting service cannot accept responsibility for inconvenience caused to clients should the Planning Authority take a different view to that Suffolk County County Suffolk County County Archaeological Servi Suffolk County Cost expressed in the report.

#### References

Abbott, C., 1998, County Farm, Chilton, CHT 009. SCCAS Report No. 98/43.

- Bamford, H.M., 1982. *Beaker Domestic Sites in the Fen Edge and East Anglia*, East Anglian Archaeology 16.
- Barrett, J.C., 1980. 'The Pottery of the Later Bronze Age in Lowland England', *Proceedings of the Prehistoric Society* 46, 297-320.

Bryant, S., 2000, The Iron Age, in Brown, N., and Glazebrook, J., (eds), 2000, *Research and* 

Archaeology: a framework for the Eastern Counties, 2, research agenda and strategy, East Anglian Archaeology Occasional Paper No 8.

- Clark, J.G.D. and Fell, C.I., 1953. 'The Early Iron Age site of Micklemoor Hill, West Harling, Norfolk, and it's pottery', *Proceedings of the Prehistoric Society* 29, 1-40.
- Clarke, D.L., 1970. Beaker Pottery of Britain and Ireland. Cambridge University Press.
- Craven, J. A., forthcoming, Plot 7, Churchfields Road, Chilton, CHT 015.
- Gibson, A.M., 1982. Beaker Domestic Sites, a study of the Domestic Pottery of the Late Third and Early Second Millennium BC in the British Isles, British Archaeological Report 107 (Oxford).
- Healy, F., 1996. The Fenland Project, Number 11: The Wissey Embayment: Evidence for pre-Iron Age Occupation. East Anglian Archaeology 78.
- Healy, F., 1995. 'Pots, pits and peat: ceramics and settlement in East Anglia' in Kinnes, I. and Varndell, G., 'Unbaked Urns of Rudely Shape' Essays on British and Irish Pottery for Ian Longworth. Oxbow Monograph 55, (Oxford).
- Hill, J.D., 1995. *Ritual and Rubbish in the Iron Age of Wessex*, British Archaeological Reports British Series 242, Oxford.
- Kinnes, I., Gibson, A., Ambers, J., Bowman, S., Leese, M., and Boast, R., 1991. 'Radiocarbon dating and British Beakers: the British Museum programme' *Scottish Archaeological Review 8, 35-78*.
- McKinley, J.I., 1994. *The Anglo-Saxon Cemetery at Spong Hill, North Elmham Part VIII: the cremations.* E. Anglian Archaeol. 69. Field Archaeology Division, Norfolk Museums Service.
- McKinley, J.I., 2004. 'Compiling a skeletal inventory: cremated human bone', in Brickley, M. and McKinley, J.I. (Eds.), *Guidelines to the Standards for Recording Human Remains*. IFA Paper No.7. BABAO and IFA.
- Martin, E., 1992. Settlements on Hill-Tops: Seven Prehistoric Sites in Suffolk. East Anglian Archaeology 65, 51-56. Suffolk County Planning Department.
- Mays, S.A., 1998. The Archaeology of Human Bones. Routledge, London.
- Prehistoric Ceramic Research Group, 1992. *Guidelines for the Analysis and Publication*, PCRG, Occasional Paper 2. Revised 1997.

Rolfe, J., 2006. Euston Farm reservoir, an assessment of the potential for impact on archaeological deposits as a result of the proposed development of a new reservoir and associated pipeline for Euston Farms, 2006. SSCAS Report No. 2006/63.

Stace, C., 1997. New Flora of the British Isles. Second edition. Cambridge University Press

Thomas, J., 1999. Understanding the Neolithic. Routledge, London.

WEA, 1980. 'Recommendations for age and sex diagnoses of skeletons', J. Human Evolution 9, 517-49.

Young, R. & Humphrey J., 1999. Flint Use in England after the Bronze Age: Time for a Re-evaluation?, *Proc. Prehist. Soc* 65, 231-242.

#### **Appendix 1**

#### SUFFOLK COUNTY COUNCIL ARCHAEOLOGICAL SERVICE - CONSERVATION TEAM

LAND ADJACENT TO PARK GROVE, EUSTON ESTATE, SAPISTON UNITED States in the second state in the second state in the second state in the second state is a second state in the second state in the second state is a second state in the second state in the second state is a second state in the second sta The commissioning body should be aware that it may have Health & Safety responsibilities, SUI Arc

#### P Background

- 1.1 A planning application has been approved for the construction of a reservoir for agricultural irrigation for the Euston Estate, together with approximately 2km of pipeline line to the Black Bourn, on land adjacent to Park Grove, Euston Estate, Sapiston (TL 9231 7637).
- 1.2 The Planning Authority has been advised that any consent should be conditional upon an agreed programme of work taking place before development begins (PPG 16, paragraph 30 condition). As stated in the Environmental Impact Assessment, a trenched evaluation of the application area will be required as the first part of a programme of archaeological mitigation; decisions on the need for, and scope of, any further work will be based upon this stage of the evaluation. A further Brief will be required for the archaeological monitoring of the pipeline route.
- The proposed reservoir area will involve the total destruction of an area of c. 8ha. This location 1.3 has not been subject to systematic archaeological survey and we have no specific information relating to it. However, the landscape setting of the site, on a ridge above a valley, has high potential for early occupation and the Environmental Statement indicated a likelihood that previously unidentified archaeological sites may be present within the area.
- 1.4 All arrangements for the field evaluation of the site, the timing of the work, access to the site, the definition of the precise area of landholding and area for proposed development are to be defined and negotiated with the commissioning body.
- 1.5 Detailed standards, information and advice to supplement this brief are to be found in Standards for Field Archaeology in the East of England, East Anglian Archaeology Occasional Papers 14, 2003.
- 1.6 In accordance with the standards and guidance produced by the Institute of Field Archaeologists this brief should not be considered sufficient to enable the total execution of the project. A Project Design or Written Scheme of Investigation (PD/WSI) based upon this brief and the accompanying outline specification of minimum requirements, is an essential requirement. This must be submitted by the developers, or their agent, to the Conservation Team of the Archaeological Service of Suffolk County Council (Shire Hall, Bury St Edmunds IP33 2AR; telephone/fax: 01284 352443) for approval. The work must not commence until this office has approved both the archaeological contractor as suitable to undertake the work, and the PD/WSI as satisfactory. The PD/WSI will provide the basis for measurable standards and will be used to establish whether the requirements of the planning condition will be adequately met.

Before any archaeological site work can commence it is the responsibility of the developer to provide the archaeological contractor with either the contaminated land report for the site or a written statement that there is no contamination.

#### 2. Brief for the Archaeological Evaluation

- 2.1 Establish whether any archaeological deposit exists in the area, with particular regard to any which are of sufficient importance to merit preservation *in situ* [at the discretion of the developer].
- 2.2 Identify the date, approximate form and purpose of any archaeological deposit within the application area, together with its likely extent, localised depth and quality of preservation.
- 2.3 Evaluate the likely impact of past land uses, and the possible presence of masking colluvial/alluvial deposits.
- 2.4 Establish the potential for the survival of environmental evidence.
- 2.5 Provide sufficient information to construct an archaeological conservation strategy, dealing with preservation, the recording of archaeological deposits, working practices, timetables and orders of cost.
- 2.6 This project will be carried through in a manner broadly consistent with English Heritage's *Management of Archaeological Projects*, 1991 (*MAP2*), all stages will follow a process of assessment and justification before proceeding to the next phase of the project. Field evaluation is to be followed by the preparation of a full archive, and an assessment of potential. Any further excavation required as mitigation is to be followed by the preparation of a full archive, and an assessment of potential, analysis and final report preparation may follow. Each stage will be the subject of a further brief and updated project design; this document covers only the evaluation stage.
- 2.7 The developer or his archaeologist will give the Conservation Team of the Archaeological Service of Suffolk County Council (address as above) five working days notice of the commencement of ground works on the site, in order that the work of the archaeological contractor may be monitored.
- 2.8 If the approved evaluation design is not carried through in its entirety (particularly in the instance of trenching being incomplete) the evaluation report may be rejected. Alternatively the presence of an archaeological deposit may be presumed, and untested areas included on this basis when defining the final mitigation strategy.
- 2.9 An outline specification, which defines certain minimum criteria, is set out below.

#### 3. Specification: Field Evaluation

3.1 Trial trenches are to be excavated to cover a minimum 5% by area, which is *c*. 4000m<sup>2</sup> of the total area for evaluation that measures *c*. 8.0ha (Figure 1). These shall be positioned to sample all parts of the site. Linear trenches are thought to be the most appropriate sampling method. Trenches are to be a minimum of 1.8m wide unless special circumstances can be demonstrated; this will result in a minimum of *c*. 2,222m of trenching at 1.8m in width. If excavation is mechanised a toothless 'ditching bucket' at least 1.2m wide must be used. A scale plan showing the proposed locations of the trial trenches should be included in the Project Design and the detailed trench design must be approved by the Conservation Team of the Archaeological Service before field work begins.

3.2

The topsoil may be mechanically removed using an appropriate machine with a back-acting arm and fitted with a toothless bucket. All machine excavation is to be under the direct control and supervision of an archaeologist. The topsoil should be examined for archaeological material.

3.3 The top of the first archaeological deposit may be cleared by machine, but must then be cleaned off by hand. There is a presumption that excavation of all archaeological deposits will be done by hand unless it can be shown there will not be a loss of evidence by using a

Arc

machine. The decision as to the proper method of further excavation will be made by the senior project archaeologist with regard to the nature of the deposit.

- 3.4 In all evaluation excavation there is a presumption of the need to cause the minimum disturbance to the site consistent with adequate evaluation; that significant archaeological features, e.g. solid or bonded structural remains, building slots or post-holes, should be preserved intact even if fills are sampled.
- 3.5 There must be sufficient excavation to give clear evidence for the period, depth and nature of any archaeological deposit. The depth and nature of colluvial or other masking deposits must be established across the site.
- 3.6 Archaeological contexts should, where possible, be sampled for palaeoenvironmental remains. Best practice should allow for sampling of interpretable and datable archaeological deposits and provision should be made for this. The contractor shall show what provision has been made for environmental assessment of the site and must provide details of the sampling strategies for retrieving artefacts, biological remains (for palaeoenvironmental and palaeoeconomic investigations), and samples of sediments and/or soils (for micromorphological and other pedological/sedimentological analyses. Advice on the appropriateness of the proposed strategies will be sought from J. Heathcote, English Heritage Regional Adviser for Archaeological Science (East of England). A guide to sampling archaeological deposits (Murphy, P.L. and Wiltshire, P.E.J., 1994, A guide to sampling archaeological deposits for environmental analysis) is available for viewing from SCCAS.
- 3.7 Any natural subsoil surface revealed should be hand cleaned and examined for archaeological deposits and artefacts. Sample excavation of any archaeological features revealed may be necessary in order to gauge their date and character.
- 3.8 Metal detector searches must take place at all stages of the excavation by an experienced metal detector user.
- All finds will be collected and processed (unless variations in this principle are agreed with the 3.9 Conservation Team of SCC Archaeological Service during the course of the evaluation).
- 3.10 Human remains must be left in situ except in those cases where damage or desecration are to be expected, or in the event that analysis of the remains is shown to be a requirement of satisfactory evaluation of the site. However, the excavator should be aware of, and comply with, the provisions of Section 25 of the Burial Act 1857.
- 3.11 Plans of any archaeological features on the site are to be drawn at 1:20 or 1:50, depending on the complexity of the data to be recorded. Sections should be drawn at 1:10 or 1:20 again depending on the complexity to be recorded. All levels should relate to Ordnance Datum. Any variations from this must be agreed with the Conservation Team.
- 3.12 A photographic record of the work is to be made, consisting of both monochrome photographs and colour transparencies.
- 3.13 Topsoil, subsoil and archaeological deposit to be kept separate during excavation to allow county sequential backfilling of excavations.

#### **General Management** 4.

- 4.1 A timetable for all stages of the project must be agreed before the first stage of work commences, including monitoring by the Conservation Team of SCC Archaeological Service. The archaeological contractor will give not less than ten days written notice of the commencement of the work so that arrangements for monitoring the project can be made.
- The composition of the project staff must be detailed and agreed by this office, including any 4.2 subcontractors/specialists. For the site director and other staff likely to have a major responsibility for the post-excavation processing of this evaluation there must also be a

statement of their responsibilities or a CV for post-excavation work on other archaeological sites and publication record.

- 4.3 It is the archaeological contractor's responsibility to ensure that adequate resources are available to fulfill the Brief.
- 4.3 A general Health and Safety Policy must be provided, with detailed risk assessment and management strategy for this particular site.
- 4.4 No initial survey to detect public utility or other services has taken place. The responsibility for this rests with the archaeological contractor.
- 4.5 The Institute of Field Archaeologists' *Standard and Guidance for Archaeological Desk-based Assessments* and for *Field Evaluations* should be used for additional guidance in the execution of the project and in drawing up the report.

#### 5. **Report Requirements**

5.9

- 5.1 An archive of all records and finds must be prepared consistent with the principles of English Heritage's *Management of Archaeological Projects*, 1991 (particularly Appendix 3.1 and Appendix 4.1).
- 5.2 The data recording methods and conventions used must be consistent with, and approved by, the County Sites and Monuments Record.
- 5.3 The objective account of the archaeological evidence must be clearly distinguished from its archaeological interpretation.
- 6.4 An opinion as to the necessity for further evaluation and its scope may be given. No further site work should be embarked upon until the primary fieldwork results are assessed and the need for further work is established
- 5.5 Reports on specific areas of specialist study must include sufficient detail to permit assessment of potential for analysis, including tabulation of data by context, and must include non-technical summaries.
- 5.6 The Report must include a discussion and an assessment of the archaeological evidence, including an assessment of palaeoenvironmental remains recovered from palaeosols and cut features. Its conclusions must include a clear statement of the archaeological potential of the site, and the significance of that potential in the context of the Regional Research Framework (*East Anglian Archaeology*, Occasional Papers 3 & 8, 1997 and 2000).
- 5.7 Finds must be appropriately conserved and stored in accordance with *UK Institute of Conservators Guidelines.* The finds, as an indissoluble part of the site archive, should be deposited with the County SMR if the landowner can be persuaded to agree to this. If this is not possible for all or any part of the finds archive, then provision must be made for additional recording (e.g. photography, illustration, analysis) as appropriate. Account must be taken of any requirements the County SMR may have regarding the conservation, ordering, organisation, labelling, marking and storage of excavated material and the archive.
- 5.8 The site archive is to be deposited with the County SMR within three months of the completion of fieldwork. It will then become publicly accessible.
  - Where positive conclusions are drawn from a project (whether it be evaluation or excavation) a summary report, in the established format, suitable for inclusion in the annual 'Archaeology in Suffolk' section of the *Proceedings of the Suffolk Institute for Archaeology*, must be prepared. It should be included in the project report, or submitted to the Conservation Team, by the end of the calendar year in which the evaluation work takes place, whichever is the sooner.

- 5
- 5.10 County SMR sheets must be completed, as per the county SMR manual, for all sites where archaeological finds and/or features are located.
- 5.11 At the start of work (immediately before fieldwork commences) an OASIS online record http://ads.ahds.ac.uk/project/oasis/ must be initiated and key fields completed on Details, Location and Creators forms.
- All parts of the OASIS online form must be completed for submission to the SMR. This should 5.12 include an uploaded .pdf version of the entire report (a paper copy should also be included Archaeolog with the archive).

Specification by: Dr Jess Tipper

Arch

Suffolk County Council Archaeological Service Conservation Team **Environment and Transport Department** Shire Hall Burv St Edmunds Suffolk IP33 2AR

Tel· 01284 352197 Email: jess.tipper@et.suffolkcc.gov.uk

Date: 19 September 2006 Reference: / ParkGrove-Euston 2006

This brief and specification remains valid for six months from the above date. If work is not carried out in full within that time this document will lapse; the authority should be notified and a revised brief and specification may be issued.

Archaeological contractors are strongly advised to forward a detailed Project Design or Written Scheme of Investigation to the Conservation Team of the Archaeological Service of Suffolk County Council for approval before any proposals are submitted to potential clients.

If the work defined by this brief forms a part of a programme of archaeological work required by a Planning Condition, the results must be considered by the Conservation Team of the Archaeological Service of Suffolk County Council, who have the responsibility for advising Suffolk County Could Ser the appropriate Planning Authority. Suffolk County Ser

#### Appendix 2. Context list

Арре	endix 2.	Conte	ext list	N Council	aty council			
Opno	Feature	Trench	Identifier	Description	<sup>Jugical</sup> Over	Under	Soil sample	e Spotdate
0002	0002	02	Unstratified Suff	Unstratified finds from Trench 02.	,			Pmed
0017	0017	17	Unstratified	Unstratified finds from Trench 17.				post-Rom
0018	0018	18	Unstratified	Unstratified finds from Trench 18.				IA
0023	0023	23	Unstratified	Unstratified finds from Trench 23				Pmed
0029	0029	29	Unstratified	Unstratified finds from Trench 29.				Preh
0030	0030	30	Unstratified	Unstratified finds from Trench 30.				
0035	0035	35	Unstratified	Unstratified finds from Trench 35.				IA
0050	0050	27	Posthole cut	Small circular pit, 0.4m in diameter and 0.2m deep. Steep sided with a concave ba 100% excavated. Possible deeper stakehole on west side.	ise,			
0051	0050	27	Posthole fill	Mottled mid brown/orange clay/silt with occasional flints, frequent scattered char and occasional pieces of burnt clay or flint.	coal			
0052	0052	28	Linear feature cut	Possible ditch, 1.55m wide and 0.15m deep, although cut was unclear and may be natural hollow. Possibly same as 0064?	e a			
0053	0052	28	Linear feature fill	Light-mid brown silt/clay in section 0054 of 0052.				PMed 16th-18th
0054	0052	28	Section	Section of 0052.				
0055	0055	28	Posthole cut	Circular posthole, 0.4m diameter and 0.28m deep, with steep sloping sides and a concave base.				
0056	0056	26	Pit cut	Oval pit, aligned west-east, measuring 0.6m by 0.8m and 0.15m deep. Partially un trench baulk but 100% of visible area excavated.	ider council			
0057	0056	26	Pit fill	Main fill of pit 0056. Mid brown clay/silt with fragments of burnt flint and clay, a occasional charcoal.	und 0058			
0058	0056	26	Pit fill	Discrete deposit of charcoal and dense, crushed burnt flint at west end of pit 0056	j.	0057	03	[preh]
0059	0055	28	Posthole fill	Mid brown silt/clay with occasional flints and charcoal flecks.			01	IA, LNeo-EBA

Opno	Feature	Trench	Identifier	Description	Over	Under	Soil sample	Spotdate
0060	0060	28	Posthole cut	Circular posthole, 0.4m diameter and 0.35m deep, with steep sides and concave base, 100% excavated.	al Servi			
0061	0060	28	Posthole fill	Mid-dark brown silt/clay with occasional flints, frequent charcoal and flecks of burnt clay.			02	IA, LNeo-EBA
0062	0062	28	Posthole cut	Small oval posthole, measuring 0.22m by 0.25m and 0.2m deep, with moderate sloping sides and a flat base. 100% excavated.				
0063	0062	28	Posthole fill	Mid brown/pale grey silt/clay with occasional charcoal flecks.				Pmed
0064	0064	25	Linear feature cut	Possible ditch, up to 2.7m wide and 0.3m deep, although cut was unclear and may be a natural hollow. Possibly same as 0052?				
0065	0064	25	Linear feature fill	Mid brown clay/silt.			04	[PMed] preh
0066	0066	41	Linear feature cut	East-west aligned linear feature, irregular in plan. Base of feature is a natural silt, although the sides were clay, so is most likely a natural channel.				
0067	0066	41	Linear feature fill	Homogenous, almost stoneless, brown silt with a single band of flints running down the centre.				
0068	0068	41	Linear feature cut	Irregular shaped feature, possible pit but probably natural like 0066.				
0069	0068	41	Linear feature fill	Homogenous, almost stoneless, brown silt.			06	IA
0070	0070	31	Pit cut	Oval pit, aligned SW-NE, measuring 0.45m by 0.65m and 0.18m deep, Steep sided, flat base. 100% excavated, probably overdug and was originally only 0.1m deep?				
0071	0070	31	Pit fill	Mixed mid brown/orange clay/silt with traces of charcoal.			05	LNeo-EBA
0072	0073	28	Unstratified finds	Surface finds recovered from silt layer 0073 during machining of excavation area around trench 28. Generally found near modern drains or features so probably redeposited material.				ΙΑ
0073	0073	28	Layer	Silt layer within excavation area around trench 28, above subsoil. Occasional areas of charcoal flecks, iron pan etc. Several areas were cleaned and a sample trench excavated but it contained no stratigraphy or cultural material. Cut by features and so is a natural deposit.	service			
0074	0074	28	Posthole cut	Oval posthole, 0.4m by 0.55m by 0.3m deep. Vertical sides with a concave base. 100% excavated				
0075	0074	28	Posthole fill	Mid brown clay/silt with increasing amounts of charcoal towards base, scattered flints.			07	

Opno	Feature	Trench	Identifier	Description	Over	Under	Soil sample	Spotdate
0076	0076	28	Posthole cut	Oval posthole, 0.5m by 0.55m by 0.32m deep. Near-vertical sides with a concave base, 100% excavated	al Servi			
0077	0076	28	Posthole fill	Mid-dark brown clay/silt with increasing amounts of charcoal towards base.			08	LNeo-EBA
0078	0078	33	Posthole cut	Oval posthole, 0.45m by 0.25m by 0.2m deep. Steep sides with a concave base. After 100% excavation a deeper circular posthole, 0.25m diameter and 0.4m deep was apparent at the north end.				
0079	0078	33	Posthole fill	Dark brown clay/silt with charcoal throughout.				IA
0080	0080	33	Posthole cut	Deep oval posthole, $0.32m$ by $0.25m$ by $0.4m$ deep. Steep sides, irregular base. 100% excavated.				
0081	0080	33	Posthole fill	Dark brown clay/silt with charcoal throughout.				IA
0082	0082	33	Posthole cut	Small, circular posthole, 0.2m diameter and 0.24m deep, with vertical sides and a concave base.				
0083	0082	33	Posthole fill	Mid brown silt/clay with occasional charcoal flecks.				IA
0084	0084	33	Posthole cut	Large circular posthole, 0.6m diameter and 0.54m deep. Steep sided with a concave base, 100% excavated.				
0085	0084	33	Posthole fill	Dark grey/brown silt clay with charcoal flecks and occasional flints.			11	IA
0086	0086	35	Pit cut	Shallow oval pit, 0.6m by 0.8m by 0.1m deep. Gentle sides, flat base. 100% excavated.				
0087	0086	35	Pit fill	Mid brown silt/clay with charcoal flecks.			15	IA
0088	0088	35	Posthole cut	Circular posthole, 0.34m diameter and 0.28m deep, with moderate sloping sides and a concave base. 100% excavated.				
0089	0088	35	Posthole fill	Mid-dark brown silt with occasional flecks of charcoal and flints.	ncil			IA
0090	0090	35	Posthole cut	Circular posthole, 0.4m diameter and 0.23m deep, with moderate sloping sides and a concave base. 100% excavated.	co <sup>untice</sup>			
0091	0090	35	Posthole fill	Mid brown silt with charcoal flecks and orange sand.			20	IA
0092	0092	35	Pit cut	Circular? Pit, clearly defined on west side but merging into a natural silt hollow to east. Probably 1m diameter and 0.2m deep with gentle sloping sides and a flat base.				

Opno	Feature	Trench	Identifier	Description	Over	Under	Soil sample	Spotdate
0093	0092	35	Pit fill	Mid brown silt/clay.	al serv.			IA
0094	0094	35	Posthole cut	Small circular posthole, 0.3m diameter and 0.08m deep. Irregular sides and base. 100% excavated.				
0095	0094	35	Posthole fill	Mid brown clay/silt with traces of charcoal.				
0096	0096	35	Posthole cut	Circular posthole, 0.3m diameter and 0.2m deep. 100% excavated.				
0097	0096	35	Posthole fill	Mid brown silt/clay with charcoal flecks.			16	[preh]
0098	0098	35	Posthole cut	Small circular posthole, 0.3m diameter and 0.1m deep. Moderate sloping sides and a concave base. 100% excavated.				
0099	0098	35	Posthole fill	Mid brown clay/silt with traces of charcoal.				IA
0100	0100	33	Cremation? Cut	Possible cremation pit, 0.45m diameter and 0.2m deep, with moderate sloping sides and a concave base.				
0101	0100	33	Cremation fill	Upper fill of possible cremation pit. Dark brown/black silt/clay with charcoal, daub and burnt bone.	0102		09	
0102	0100	33	Cremation fill	Lower fill of possible cremation pit. Light orange/brown clay mixed with burnt clay and charcoal flecks.		0101	10	
0103	0103	33	Pit cut	Small circular pit, 0.85m diameter and 0.28m deep with steep sides and a flat base. 100% excavated. NE part of pit contained a large quantity of IA pot (0109), at its base.				
0104	0103	33	Pit fill	Mottled pale brown silt with frequent charcoal flecks and fired clay, scattered flints.			13	IA
0105	0105	33	Layer	Even homogenous layer of mid brown silt, irregular in plan, surrounding, and underlying? layer 0106. Infill of a natural shallow hollow. See section 0124.				
0106	0106	33	Layer	Even homogenous layer of dark grey/brown silt, irregular in plan, surrounded by, and overlying? layer 0105. Contained bone 0107 and 0108, following the removal of which a section, 0124, was placed across it. Infill of a natural shallow hollow.	ouncil			
0107	0106	33	layer Finds	Deposit of bone fragments within layer 0106.	Servit			
0108	0106	33	layer Finds	Bone fragments within layer 0106 -possible femur? Set vertically in fill.				
0109	0103 0104	33	pit fill Finds Suff	Pottery lying across base of north-east half of pit within fill 0104.				IA

Opno	Feature	Trench	Identifier	Description	Over	Under	Soil sample	Spotdate
0110	0110	35	Posthole cut	Small circular posthole, 0.3m diameter and 0.2m deep, with near vertical sides and a flat base. 100% excavated.	serv.			
0111	0110	35	Posthole fill	Dark grey charcoal rich silt, very few stones.			12	
0112	0112	37	Pit cut	Oval pit, partially under trench edge, aligned NW-SE. Measured 0.9m by 1.1m and 0.17m deep with moderate sloping sides and a concave base.				
0113	0112	37	Pit fill	Dark brown silt/clay with charcoal.			14	IA
0114	0114	35	Pit cut	Oval pit, 0.5m by 0.38m and 0.18m deep, with steep sides and a concave base. 100% excavated.				
0115	0114	35	Pit fill	Dark brown silt/clay.			17	IA
0116			NOT USED	NOT USED.				
0117	0117	35	Pit cut	Circular pit, 0.6m diameter and 0.24m deep, with steep sides and a concave base. 100% excavated.				
0118	0117	35	Pit fill	Mid brown silt with flint inclusions.			21	
0119	0119	35	Pit cut	Circular pit, partially under baulk and heavily disturbed by an animal burrow. 0.8m diameter and 0.25m deep with moderate/steep sides and a concave base.				
0120	0119	35	Pit fill	Dark grey/brown clay silt with occasiona lflints and charcoal.			18	
0121	0121	35	Pit cut	Circular pit, 0.8m diameter and 0.15m deep, with moderate sloping sides and an uneven concave base. 100% excavated.				
0122	0121	35	Pit fill	Mid brown silt/clay with flints.			19	IA
0123	0123	40	Unstratified finds	Unstratified finds from trench 40.				IA
0124	0105 0106	35	Section	Section across probable hollow infilled by 0105 and 0106. Excavated after removal of bone 0107 and 0108. Natural slope of hollow seen to south and east but not to north where excavated depth reached 0.55m and was abandoned due to water filling from the test borehole.	council Service			

Ctxt	1	Pot cil	Fl	int	Burnt	t <b>Flint</b>	Fired	clay	Miscellaneous	Spotdate
	No	Wt/kg	No	Wt/kg	No	Wt/kg	No	Wt/kg		oun ce
0002		Cordio	1	0.006					CBM 2 (0.019)	PMed
0017	1	0.022							in.	Post-Rom
0018	5	0.027	5	0.020			1	0.010	cours	A
0023 🔾	di								CBM 3 (0.116)	PMed
0029	210-		1	0.024					x0100010	Preh
0030			10	0.208					Sull nae	
0035	3	0.058	1	0.016					Arci	IA
0051					2	0.021			r	
0053	1	0.008							CBM 2 (0.007)	PMed 16-18th
0058					64	0.457				[preh]
0059	14	0.039	1	0.005					Bt stone 4 (0.127)	IA, LNeo-EBA
0061	4	0.009	1	0.007	5	0.026	9	0.038		IA, LNeo-EBA
0063							1	0.001		Pmed
0065	1	0.008							Iron 1-7g; Cu	[PMed] Preh
									Alloy 1 (0.003)	
0069	1	0.018								IA
0071	16	0.229	7	0.026						LNeo-EBA
0072	6	0.013								IA
0075										
0077	8	0.017	2	0.019			lia			LNeo-EBA
0079	3	0.020					inc.e			IA
0081	5	0.012				c.0	u. iice			IA
0083	3	0.020				NG	er			IA
0085	15	0.119	2	0.009		10, 12	5	0.026		IA
0087	15	0.011	<u>2</u> 4	0.005	G	0.029	5	0.020		IA
0089	6	0.036	'	0.075	IK	09.02)	1	0.001		IA
0091	10	0.010	3	0.015	RU e	0 244	2	0.001		IA
0093	10	0.002	5	0.0150	cha	0.013	2	0.005		IA
0095	1	0.002	5	0 261		0.015				[Preh]
0099	1	0.001	5	0.201						IA
0101	1	0.001							Cremated HSR	11 1
0101	55	0.600					6	0.062	Cremated H5K	IΛ
0104	55	0.077	2	0.008			0	0.002		IA
0100			2	0.000					ABone $13-0.031$	
0107									ABone 20.0.034	
0100	24	1 338							11000 20-0.034	IΔ
0109	2 <b>4</b>	1.550	1	0.004						1/1
0111	1/	0.100	1	0.004					$\Delta B_{one} 30.0.221$	TΔ
0115	14 2	0.100	1	0.023					ADUIC 30-0.221	IΔ
0113	2	0.004	1	0.025						
0118		lia								cil
0120	4	0.021	5	0.066						TAUNUCE
0122	4	0.021	3	0.000						IA
0125	inth	50.012							unt	A Service
CC KCC	ogici								Cologi	C <sup>o</sup>
Suffor haeo	•								Suffichaeu	
Aro									Arc	

## **Appendix 3: Finds quantities**

## Appendix 4. Pottery

0107         MCW         h         1         22 medieval conservare handle         121-148           018         H         D         10         28 moothed surface         Iron Age           0165         F2         U         2         F3         S S Smoothed surface         Iron Age           0165         F2         U         5         S S Smoothed surface         Iron Age           0167         F3         U         6         Abraked         Iron Age           0167         F3         U         9         15         S Single fingerthy impressions.         1 Noc-HAR           0167         F3         D         4         18 Single fingerthy impressions.         1 Noc-HAR           0167         J1         5 Single fingerthy impressions.         1 Noc-HAR         Iron Age           0167         J1         D         4         18 Single fingerthy impressions.         1 Noc-HAR           0160         J2         U         2         2 Very abraded         Iron Age           017         J1         D         7         21 Beaker Square tooth comb impress bands Occ fint. Abraded (illus Fig 0).         I.Noc-HAR           017         J2         J2         J Abraded         Iron Age         <	Ctxt	fabric	dso	c No	Wt/g	Comment	Spotdate
018         F1         D         1.         2 Shallow incised lines. Smoothed surface         Irm Age           019         F2         U         2         4 Smoothed surface         Irm Age           0193         GRU         0         3         58 Smoothed surface         Irm Age           0193         GRU         1         8 Glazed red earthenware bodysherd         Irm Age           0195         P2         U         1         6 Abraded         Irm Age           019         P3         U         9         6 Abraded         Irm Age           019         P2         U         1         5 Single Ingertip impressions         LNeo-EBA           0106         P2         U         1         5 Single Ingertip impressions         LNeo-EBA           0107         Q1         D         7         21 Beaker square tooth comb impress bands.Occ flint. Abraded (flills Fig Ot).         LNeo-EBA           0107         Q1         D         7         9 Beaker. Very abraded         Irm Age           017         Q2         D         1         4 Beaker - comb-impresse filled bands         INeo-EBA           017         Q2         D         1         1 Bornmai arb Bae         Romau         Irm Age	0017	MCW	h	1	22	medieval coarseware handle	12th-14th C
F1         U         2         8         Smoothel surface         Imply set in the surface         Imply set in the surface           0205         F2         U         3         58         Smoothel surface         Imply set in the surface         Imply set in the surface           0205         F2         U         1         6         Abraled         Imply set in the surface         Imply set in the surface           0205         F2         U         1         6         Abraled         Imply set in the surface         Imply set in the surface           0305         F2         U         1         6         Abraled         Imply set in the surface         Imply set in the surface           0406         F2         U         1         2         Abraled         Imply set in the surface         Imply set in the surface           04071         G1         D         7         21         Beaker, Very abraded         Imply set in the surface         Imply set in the surface         Imply set in the surface           041         U         2         5         Abraded         Imply set in the surface         Imply set in the surface           0707         F3         D         7         16         Fingering impressed filled bands         Imply set in the surfac	0018	F1	D	1	2	Shallow incised lines. Smoothed surface	Iron Age
P2         U <thu< th="">         U         U         U</thu<>		F1	U	2	0.8	Smoothed surface	Iron Age
		F2	U	2	<b>1</b> 7		Iron Age
0053         ORE         6         1         8 Glazet red earthenware bodysherd         0161-180 C           0059         P2         U         1         6 Abraked         From Age           183         D         4         18 Single fingertip impressions         LNeo-EBA           174         D         1         5 Single fingertip impressions         LNeo-EBA           174         U         2         Very abraded         From Age           174         U         2         Very abraded         From Age           170         OI         7         211 Beaker square tooth comb impress bands.Oce flint. Abraded (itlus Fig 00.)         LNeo-EBA           173         U         7         9 Beaker. Very abraded         From Age           173         U         7         9 Beaker. Very abraded         From Age           173         U         7         9 Beaker. Very abraded         From Age           174         U         3         Abraded         From Age           173         U         5         Abraded         From Age           174         D         7         6 Fingertip impressed. Very abraded         From Age           177         F3         D         7	0035	F2	U	- 3	58	Smoothed surface	Iron Age
0059         P2         U         1         6 Abraded         From Age           P3         D         4         18 Single fingering impressions         I.Noo-EEA           0059         P2         U         1         2 Single fingering impressions         I.Noo-EEA           0065         Ol         1         5 Single fingering impressions         I.Noo-EEA           0065         Ol         U         2 Abraded         Iron Age           0071         Q1         D         7         211 Beaker square tooth comb impress bands.Occ flint. Abraded (illus Fig 00.)         LNoo-EEA           0071         Q1         D         7         211 Beaker square tooth comb impress bands.Occ flint. Abraded (illus Fig 00.)         LNoo-EEA           0072         GMG         ba         1         13 Roman Jar base         Roman           0172         Q4         D         3 Abraled         Iron Age         Iron Age           0071         P2         U         3 Abraled         Iron Age         Iron Age           0072         CMU         1         3 Roman Jar base         Roman         Iron Age           0071         P3         D         7         16 Fingering impression         Iron Age           0071	0053	GRE	b	21	8	Glazed red earthenware bodysherd	16th-18th C
IF3         U         9         15         Iren A <sup>max</sup> IF3         D         4         18 Single fingertip impressions         I.Nev-EBA           0061         F3         D         1         5 Single fingertip impressions         I.Nev-EBA           071         Q1         2         2 Very abraded         Iron Age           0707         Q1         D         7         211 Beaker square tooth comb impress bands. Occ flint. Abraded (illus Fig 00.)         I.Nev-EBA           Q1         U         7         211 Beaker square tooth comb impress bands. Occ flint. Abraded (illus Fig 00.)         I.Nev-EBA           Q2         D         1         4 Beaker - comb-impressed filled bands         I.Nev-EBA           Q2         Q         1         3 Roman jar base         Roman           Q1         Q         2 Abraded         Iron Age           Q2         U         1         3 Abraded         Iron Age           Q2         U         1         3 Abraded         Iron Age           Q1         U         2         3 Abraded         Iron Age           Q1         U         3         3 Abraded         Iron Age           Q1         U         3         2 D Smotthed surface	0059	F2	U	1	6	Abraded	Iron Age
off         B         D         4         18 Single fingertip impressions         L.Neo-EBA           P2         U         1         2 Abraded         Iron Age         Iron Age           P2         U         1         2 Abraded         Iron Age         Iron Age           P3         U         1         8 Single fingertip impressions         Iron Age         Iron Age           P4         U         1         8         Iron Age         Iron Age           P071         Q1         D         7         211 Beaker square tooth comb impress bands. Occ flint. Abraded (illus Fig 00.)         IrNeo EBA           Q1         U         7         9 Beaker. Very abraded         IrNeo EBA           Q2         D         1         4 Beaker - comb-impressed filled bands         IrNeo EBA           Q17         P3         Beaker. Very abraded         Iron Age         Iron Age           Q2         U         1         3 Abraded         Iron Age         Iron Age           Q17         F3         D         7         16 Fingertip impression         Iron Age         Iron Age           Q10         1         1< Somothed surface	N	F3	U	9	15	11/ 109.	Iron Age
D061         F3         D         1         5 Single fingertip impressions         L.Neo -EBA           F2         U         1         2 Abraded         Iron Age           D065         OI         U         1         8           D071         Q1         D         7         21 I Becker square tooth comb impress bands. Occ flint. Abraded (illus Fig 00.)         LNeo -EBA           Q1         U         7         9 Beaker. Very abraded         Preh         Preh           Q2         D         1         Beaker. Very abraded         INvo-EBA         Novo-EBA           Q2         D         1         Beaker. Very abraded         Invo-EBA         INvo-EBA           Q2         D         1         Beaker. Very abraded         Invo Age         Invo-EBA           Q2         U         1         S Abraded         Iron Age         Iron Age           Q2         U         1         S Abraded         Iron Age         Iron Age           Q1         U         2         S Abraded         Iron Age         Iron Age           Q1         U         3         S Abraded         Iron Age         Iron Age           Q2         U         1         Abraded         Iron Age	401	F3	D	4	18	Single fingertip impressions	LNeo-EBA
P2       U       1       2 Atmide       Trom Age         P12       U       2       2 Very abraded       Iron Age         P066       F2       U       1       8       Preh         P070       QI       D       7       211       Beaker. Very abraded       Preh         Q1       U       7       9 Beaker. Very abraded       Preh       Preh         Q2       D       I       4 Beaker - comb-impressed filled hands       Clinit. Abraded       Preh         Q2       D       I       4 Beaker - comb-impressed filled hands       Romain       Roma Age         Q1       U       2       5 Abraded       Iron Age       Rom Age         Q2       U       1       3 Abraded       Iron Age       Iron Age         Q3       A D       7       16 Fingertip impressed. Very abraded       Iron Age       Iron Age         Q4       U       1       3       Abraded       Iron Age       Iron Age         Q4       U       1       3       Abraded       Iron Age       Iron Age         Q5       U       3       20 Abraded       Iron Age       Iron Age         Q5       U       1       Abra	0061	F3	D	1	5	Single fingertip impressions	LNeo-EBA
F2U22 Very abradedIron $A_{20}^{orc}$ 0065Q1U118Preh0066F2U118Iron Age0071Q1D7211 Beaker square tooth comb impress bands. Occ flint. Abraded (illus Fig 00.)I.Noo-BBAQ1U79 Beaker. Very abradedIron AgeI.Noo-BBAQ2D14 Beaker - comb-impressed filled bandsI.Noo-BBAQ1U25 AbradedIron AgeQ2U15 AbradedIron AgeQ2U15 AbradedIron AgeQ2U15 AbradedIron AgeQ2U11PrehQ3D716 Fingering impressed. Very abradedIron AgeQ1U23 AbradedIron AgeQ2U11PrehQ111Iron AgeQ2U11Q320 Smoothed surfaceIron AgeQ4U320 AbradedQ5F2U10Q4AbradedIron AgeQ2U11 Bows of single fingerin impressed. AbradedP1U11 Bows of single fingerin impressed. AbradedP2U11 Bows of single fingerin impressed. AbradedP3V11 Bows of single fingerin impressed. AbradedP4U21 AbradedP4U1 To Abraded <td>. C.</td> <td>F2</td> <td>U</td> <td>1</td> <td>2</td> <td>Abraded</td> <td>Iron Age</td>	. C.	F2	U	1	2	Abraded	Iron Age
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	<b>P</b> .	F2	U	2	2	Very abraded	Iron Age
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	0065	01	U	1	8		Preh
007101DT New Fit A01079999111<	0069	F2	Ū	1	18		Iron Age
Q1U799Beaker, Very abradedIntervention and the form of the prehQ2U156PrehQ2U118RomunQ1U25AbradedIron AgeQ1U25AbradedIron AgeQ2U15AbradedIron AgeQ1U25AbradedIron AgeQ2U15AbradedIron AgeQ1U11PrehPreh0077F2U320Smoothed surfaceIron Age0181F2U320Smoothed surfaceIron Age0181F2U38AbradedIron Age0183F1U320AbradedIron Age022U11AbradedIron Age023F2U06AbradedIron Age7U11Rows of single fingertip inpressed. AbradedIron Age7Very abradedIron AgeIron AgeIron Age9F1U211Rows of single fingertip inpressed. AbradedIron Age085F1U211Rows of single fingertip inpressed. AbradedIron Age19087F1R17Medium igr, simple round upright rim. Smoothed surfaceIron Age10112Shored<	0071	01	D	7	211	Beaker square tooth comb impress bands Occ flint. Abraded (illus Fig 00.)	LNeo-EBA
FigU15SectorFig<	0071	01	Ū	7	ç	Beaker Very abraded	LNeo-EBA
Q2D14 Beaker - comb-impressed filled bandsLNeo-EBAQ072QMGba113 Roman jar baseRomanQ1U25 AbradedIron AgeQ2U15 AbradedIron AgeP7U33 AbradedIron AgeQ077F3D716 Fingerip impressed. Very abradedIron AgeQ078P7U38 AbradedIron AgeQ1U11PrehQ2U11 AbradedIron AgeQ38F1U38 AbradedIron AgeQ4U11 AbradedIron AgeQ58F2U1066 AbradedIron AgeQ62U118 Rosred. AbradedIron AgeQ2U118 Rosred. AbradedIron AgeQ2U111 Rows of single fingerin impressed. AbradedIron AgeQ38F1U111Q49F1U1Q2U112 Shallow incised lines. Smoothed surfaceIron AgeQ68F1U111Iron AgeQ77T7 yery abradedIron AgeIron AgeQ87F1U111Q98F1R1Q111Nedium jar, simple round upright rim. Smoothed surfaceIron AgeQ187F1U11Nedium jar, simple round upright rim. Smoothed surface		F3	Ū	1	5		Preh
0072         GMG         ba         1         13 Roman jar base         Roman           Q1         U         2         5 Abraded         Iron Age         Iron Age           Q2         U         1         5 Abraded         Iron Age         Iron Age           Q2         U         1         5 Abraded         Iron Age         Iron Age           Q7         F3         D         7         16 Fingerip impressed. Very abraded         Ixoo-EBA           Q0         U         1         1         Final Astronado         Ixoo-FBA           Q1         U         1         3         20 Smoothed surface         Iron Age           Q1         U         1         3         20 Abraded         Iron Age           Q2         U         1         Abraded         Iron Age         Iron Age           Q2         U         1         Rows of single fingering impressed. Abraded         Iron Age         Iron Age           Q3         1         18 Scored. Abraded         Iron Age         Iron Age         Iron Age           Q4         U         1         18 Scored. Abraded         Iron Age         Iron Age           Q4         U         1         18 Scored. Abrade		02	D	1	4	Beaker - comb-impressed filled bands	LNeo-EBA
Qi U         Qi U         2         5 Abraded         Iron Age           Q2         U         1         1         Iron Age           Q077         F2         U         3         3 Abraded         Iron Age           Q1         U         1         3         Boroothed surface         Iron Age           Q1         U         1         3         Dobraded         Iron Age           Q2         U         1         Abraded         Iron Age         Iron Age           Q2         U         1         B Cored. Abraded         Iron Age         Iron Age           Q2         U         1         B Cored. Abraded         Iron Age         Iron Age           Q3         F1         U         1         Iron Age         Iron Age         Iron Age           Q4         1         1         R1         R7         Medium jar, simple round upright rim         Iron Age         Iron Age           Q2         U         1<	0072	GMG	ha	1	13	Roman iar base	Roman
Q2U15AbradedIron AgeP2U33AbradedIron AgeP7P3D716Fingerip impressed. Very abradedIron AgeQ7P3U11New-EBAQ081F2U38AbradedIron AgeQ1U13Iron AgeIron AgeQ2U11AbradedIron AgeQ35F2U106AbradedIron AgeQ685F2U1016AbradedIron AgeQ7V118Scoret. AbradedIron AgeQ805F2U106AbradedIron AgeQ1085F2U1018Scoret. AbradedIron AgeQ2U118Scoret. AbradedIron AgeP1U217AbradedIron AgeQ2U118Scoret. AbradedIron AgeQ3087F1U111Iron AgeQ408F1R17Medium jar, simple round upright rim. Smoothed surfaceIron AgeP1D112Shullow incised lines. Smoothed surfaceIron AgeP1D112Shullow incised lines. Smoothed surfaceIron AgeP1U11ScoredIron AgeP1U112Nonthed surfaceIron AgeP1U </td <td>0072</td> <td>01</td> <td>II</td> <td>2</td> <td>5</td> <td>Abraded</td> <td>Iron Age</td>	0072	01	II	2	5	Abraded	Iron Age
P2U3AbradedIron AgeD077F3D716Fingertip impressed. Very abradedIron AgeQU11PrehD079F2U320Smoothed surfaceIron AgeD078F2U38AbradedIron AgeD078F2U38AbradedIron AgeQ1U13AbradedIron AgeQ2U11AbradedIron AgeQ2U11AbradedIron AgeQ2U11BorneIron AgeQ2U11Rows of single fingerin impressed. AbradedIron AgeQ2U118Scored. AbradedIron AgeQ2U118Scored. AbradedIron AgeQ2U118Scored. AbradedIron AgeQ3F1U1Itom AgeIron AgeP1U211Shonded surfaceIron AgeF1U111Itom AgeIron AgeQ3F1U11Itom AgeIron AgeQ4U112Shallow incised lines. Smoothed surfaceIron AgeF1U211ScoredIron AgeIron AgeQ2U15ScoredIron AgeIron AgeQ3F2U11Very abradedIron		$\frac{\sqrt{1}}{\sqrt{2}}$	U	1	5	Abraded	Iron Age
120316 Fingerip impressed. Very abraded100 Tp2QU11Preh079F2U38 AbradedIron Age0081F2U38 AbradedIron Age017F2U38 AbradedIron Age0181F2U13Iron Age0182F2U11 AbradedIron Age0183F1U320 Abraded. Wiped surfaceIron Age0185F2U1066 AbradedIron AgeF1U21 AbradedIron AgeF2D11 Rows of single fingering impressed. AbradedIron AgeF1U21 AbradedIron AgeF1U21 AbradedIron AgeF1U11Iron AgeF1U11Iron AgeF1U11Iron AgeF1U11Iron AgeF1U11Iron AgeF1U11Iron AgeF1U11Iron AgeF1U11Iron AgeF1U11ScoredF1U11ScoredF1U11ScoredF1U11Nonthed surfaceF1U12ScoredF1U12		ξ2 F2	U	3	3	Abraded	Iron Age
D07715D16161616170AgeQU11110 <t< td=""><td>0077</td><td>F3</td><td><u>D</u></td><td>7</td><td>16</td><td>Fingertin impressed Very abraded</td><td>I Neo-EBA</td></t<>	0077	F3	<u>D</u>	7	16	Fingertin impressed Very abraded	I Neo-EBA
0079F2U320 Smoothed surfaceInclude0081F2U38 AbradedIron Age0081F2U11 AbradedIron Age0083F1U320 Abraded. Wiped surfaceIron Age0083F2U1066 AbradedIron Age0085F2D111 Rows of single fingertip impressed. AbradedIron Age0085F2D111 Rows of single fingertip impressed. AbradedIron Age0087F1U217 AbradedIron Age71U217 AbradedIron Age71U111Iron Age0088F1R17 Medium jar, simple round upright rimIron Age0087F1U111Iron Age0088F1R17 Medium jar, simple round upright rim. Smoothed surfaceIron AgeF1D112 Shallow incised lines. Smoothed surfaceIron AgeF1D112 Shallow incised lines. Smoothed surfaceIron Age0091F1U77 Very abradedIron Age0091F1U11 Very abradedIron Age0091F2U122 Rounded rim. Smoothed surfaceIron Age0091F2U120 Finted base. AbradedIron Age0093F2U12 Very abradedIron Age172R1<	0077	0	U U	1	1	Thightip inpressed. Very abraded	Proh
bits12032.0 minuted sinute100 Age081F2U138 AbradedIron Age0083F1U320 AbradedWiped surfaceIron Age0083F2U11AbradedIron Age0085F2U1066 AbradedIron AgeF2D11Rows of single fingeritip impressed. AbradedIron Age7V118 Scored. AbradedIron Age6083F1U217 AbradedIron Age7V118 Scored. AbradedIron Age7V11Iron Age9087F1R17 Medium jar, simple round upright rimIron Age10089F1N11Iron Age1011211 Smoothed surfaceIron AgeF1U211 Smoothed surfaceIron AgeF1D112 Shallow incised lines. Smoothed surfaceIron Age1011Very abradedIron AgeIron Age1029F1R22 Rounded rim. Smoothed surfaceIron Age1039F2U11Very abradedIron Age1039F2U11Very abradedIron Age1039F2U11Very abradedIron Age1039F2U11Very abradedIron Age1039F2<	0070	<u>Q</u> E2	U 11	2	20	Smoothed surface	I Icii
One         Pic         O         S         S         Andaceu         Iron Age           Q2         U         1         Abraded. Wiped surface         Iron Age         Iron Age           0085         F2         U         10         66         Abraded. Wiped surface         Iron Age           0085         F2         U         10         66         Abraded         Iron Age           Q2         U         1         18 Scored. Abraded         Iron Age         Iron Age           Q2         U         1         18 Scored. Abraded         Iron Age         Iron Age           Q3         F1         U         2         17 Abraded         Iron Age         Iron Age           Q4         U         1         18 Scored. Abraded         Iron Age         Iron Age           P1         R         1         7 Medium jar, simple round upright rim         Iron Age         Iron Age           Q508         F1         U         1         12 Shallow incised lines. Smoothed surface         Iron Age           P1         U         1         12 Shallow incised lines. Smoothed surface         Iron Age         Iron Age           Q2         U         1         5 Scored         Iron Age	0079	E2		2	20	Abradad	Iron Age
Q1011AbradedIton AgeQ2U11Abraded. Wiped surfaceIron AgeQ2U111Rows of single fingertip impressed. AbradedIron AgeP2D111Rows of single fingertip impressed. AbradedIron AgeP3V118Scored. AbradedIron AgeP1R17Medium jar, simple round upright rimIron AgeQ2U118Scored. AbradedIron AgeP1R17Medium jar, simple round upright rim. Smoothed surfaceIron AgeP1U111Iron AgeIron AgeQ2U112Shallow incised lines. Smoothed surfaceIron AgeP1D111ScoredIron AgeQ2U15ScoredIron AgeP3V11Very abradedIron AgeQ2U15ScoredIron AgeQ3F2U12ProvabradedIron AgeQ3F2U12ProvabradedIron AgeQ3F2U12ProvabradedIron AgeQ3F2U12ProvabradedIron AgeQ113F4U12ProvabradedIron AgeQ2U12Single fingertip impressedIron AgeQ113F4U13 <t< td=""><td>5001</td><td>01</td><td>U</td><td>1</td><td>c 2</td><td>Abraded</td><td>Iron Age</td></t<>	5001	01	U	1	c 2	Abraded	Iron Age
Q20111 Autaded0083F1U320 Abraded. Wiped surfaceIron Age0085F2U1066 AbradedIron AgeF2D111 Rows of single fingertip impressed. AbradedIron AgeQ2U118 Scored. AbradedIron AgeF1U217 AbradedIron AgeF1U217 AbradedIron AgeF1U111Iron Age0087F1U1110088F1R17Medium jar, simple round upright rim. Smoothed surfaceIron AgeF1D112 Shallow incised lines. Smoothed surfaceIron AgeF1D112 Shallow incised lines. Smoothed surfaceIron AgeF1U11Very abradedIron AgeF1U77 Very abradedIron AgeF1R22 Rounded rim. Smoothed surfaceIron AgeF1R122 Rounded rim. Smoothed surfaceIron AgeF1R122 Rounded rim. Smoothed surfaceIron Age1009F2U1Very abradedIron Age113F4U120 Flinted base. AbradedIron Age115F1U13 AbradedIron Age115F1U11Very abradedIron Age115F2D18 Single fingerti		$Q^1$	U	1	1	Abradad	Iron Age
0003         F1         0         3         20 Abraded. Wiped surface         100 Age           0085         F2         U         10         66 Abraded         Iron Age           F2         D         1         11 Rows of single fingertin impressed. Abraded         Iron Age           F1         U         2         1         18 Scored. Abraded         Iron Age           F1         R         1         7 Medium jar, simple round upright rim         Iron Age           0087         F1         U         1         1         Iron Age           0087         F1         U         1         Tom Age         Iron Age           0087         F1         U         1         Medium jar, simple round upright rim. Smoothed surface         Iron Age           F1         D         1         Stantace         Iron Age         Iron Age           F1         D         1         Stantace         Iron Age         Iron Age           0087         F1         T         7 Very abraded         Iron Age         Iron Age           02091         F1         T         7 Very abraded         Iron Age         Iron Age           0291         F2         U         1         Very abr	0002	<u>Q2</u> E1		2	20	Abradad Winad autoas	Iron Age
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	0085	F1 F2		10	20	Abradad	Iron Age
P2D111 Rows of single ingering infinitesed. AbradedIron AgeQ2U118 Scored. AbradedIron AgeF1R17 Medium jar, simple round upright rimIron Age0087F1U1110089F1R17Medium jar, simple round upright rim. Smoothed surfaceIron AgeF1D112 Shallow incised lines. Smoothed surfaceIron AgeF1D112 Shallow incised lines. Smoothed surfaceIron AgeF1U11Very abradedIron AgeQ2U15 ScoredIron AgeIron Age0091F1U77 Very abradedIron Age0193F2U12Rounded rim. Smoothed surfaceIron Age0113F4U120 Flinted base. AbradedIron Age0113F4U120 Flinted base. AbradedIron Age011413 AbradedIron AgeIron Age0125F1U13 AbradedIron Age0115F1U13 AbradedIron Age0126F1R15 Fine jar. Sonothed surfaceIron Age0127F2U316Iron Age0128F2U11 AbradedIron Age0129F2U11 AbradedIron Age0129F2U11 AbradedIron Age<	0082	Г2 Е2	D	10	11	Abraded	Iron Age
Q20115 Stored AndredIron AgeF1U117 AbradedIron Age0087F1U111Iron Age0089F1U111Iron Age0089F1U211 Smoothed surfaceIron AgeF1U211 Smoothed surfaceIron AgeF1D112 Shallow incised lines. Smoothed surfaceIron AgeF1D11Very abradedIron AgeQ2U15 ScoredIron Age0091F1U77 Very abradedIron Age0191F1Q77 Very abradedIron Age0191F1R1Rounded rim. Smoothed surfaceIron Age0193F2U12Iron Age0113F4U120 Flinted base. AbradedIron Age0113F4U120 Flinted base. AbradedIron Age0113F4U120 Flinted base. AbradedIron Age0113F4U13 AbradedIron Age012P2U115 Random fingernail impressedIron Age013F4U13 AbradedIron Age014F1B156 Fine jar, rounded rim. Smoothed surfaceIron Age015F1U13 AbradedIron Age012F2U115 Random fingernail impressedI		Г2 02		1	11	Kows of single ingerup inpressed. Abraded	Iron Age
F10211Hoff Age $0087$ F1U11Iron Age $0087$ F1U11Iron Age $0087$ F1R17Medium jar, simple round upright rim. Smoothed surfaceIron AgeF1U211Smoothed surfaceIron AgeIron AgeF1D112Shallow incised lines. Smoothed surfaceIron AgeIron AgeQ2U15ScoredIron AgeIron Age0091F1U77Very abradedIron Age0093F2U12ScoredIron Age0093F2U12Iron AgeIron Age0093F2U12Iron AgeIron Age0113F4U120Plinted base. AbradedIron Age013F4U120Plinted base. AbradedIron Age014U105Smoothed surfaceIron Age015F1U13AbradedIron Age012F2U11AbradedIron Age013F4U13AbradedIron Age014U105Smoothed surfaceIron Age015F1U13AbradedIron Age012F2U11AbradedIron Age0122F2U </td <td></td> <td>Q2 E1</td> <td>U</td> <td>1</td> <td>17</td> <td>Abradad</td> <td>Iron Age</td>		Q2 E1	U	1	17	Abradad	Iron Age
11R17Medium jar, simple round upright rimInton Age0087F1U11Iron Age0087F1V211Smoothed surfaceIron AgeF1U211Smoothed surfaceIron AgeIron AgeF1U11Very abradedIron AgeIron AgeF1D11Very abradedIron AgeIron AgeQ2U15ScoredIron AgeIron AgeF1R22Rounded rim. Smoothed surfaceIron AgeIron AgeF1R22Rounded rim. Smoothed surfaceIron AgeIron Age0093F2U12Iron AgeIron Age0113F4U120Flinted base. AbradedIron Age0113F4U120Flinted base. AbradedIron Age113F4U13Flat rim. Very abradedIron Age0115F1U1AbradedIron Age113F4U120Flinted base.0115F1U1AbradedIron Age113F2U1AbradedIron Age114Iron AgeIron AgeIron Age115F2U1AbradedIron Age116F1R1S Fine jar, rounded rim.Iron Age1175F1R1 </td <td></td> <td>F1</td> <td>D</td> <td>1</td> <td>17</td> <td>Medium iar simple round unright rim</td> <td>Iron Age</td>		F1	D	1	17	Medium iar simple round unright rim	Iron Age
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	0007	<u>Г1</u> [71]	N II	1	11		Iron Age
10000F1K111Neutrin jar, simple round upright hin. Sindouled surfaceInon AgeF1U111211Smoothed surfaceIron AgeF1D112Shallow incised lines. Smoothed surfaceIron AgeQ2U15ScoredIron Age0091F1U77Very abradedIron AgeF1R22Rounded rim. Smoothed surfaceIron Age0093F2U12Iron Age0093F2U11Very abradedIron Age0093F2U11Very abradedIron Age0093F2U11Very abradedIron Age0093F2U11Very abradedIron Age0093F2U12Finat rim. Very abradedIron Age0113F4U120Finat rim. Very abradedIron Age0113F4U120Finat rim. Very abradedIron Age0115F1U13AbradedIron Age0115F1U13AbradedIron Age0115F1U13AbradedIron Age0115F1U13AbradedIron Age012F2U316Iron AgeIron Age0123F2U112<	0080	E1	D	1	- 11	Madium iar simple round unright rim Smoothad surface	Iron Age
F1D11211 Shallow incised lines. Smoothed surfaceIron AgeFU11Very abradedIron AgeQ2U15ScoredIron Age0091F1U77Very abradedIron AgeF1R22Rounded rim. Smoothed surfaceIron AgeF1R11Neuroded rim. Smoothed surfaceIron Age0093F2U12Iron Age0093F2U12Iron Age0193F2U12Iron Age0193F2U120Flinted base. AbradedIron Age0113F4U120Flinted base. AbradedIron Age0113F4U120Flinted base. AbradedIron Age02D115Random fingernail impressedIron Age0115F1U13AbradedIron Age0115F1U11AbradedIron Age0112F2U316Iron Age0123F2U11Very abradedIron Age0124F1R15Fine jar. rounded rimIron Age0125F2U316Iron Age0126F2U21ScrapsIron Age0127F2U15Fine jar. rounded rimSmoothed	1009	F1	II.	2	11	Smoothed surface	Iron Age
FU1112 Sindon Minks information infor		F1	D	1	12	Shallow incised lines. Smoothed surface	Iron Age
Q2U11Very abradedIron Age0091F1U77Very abradedIron Age0091F1U77Very abradedIron Age0091F1R22Rounded rim. Smoothed surfaceIron Age0093F2U12Iron Age0093F2U11Very abradedIron Age0093F2U11Very abradedIron Age0099F2U11Very abradedIron Age0099F2U11Very abradedIron Age0113F4U120Finted base. AbradedIron Age0113F4U120Finted base. AbradedIron Age0115F1U1054Smoothed surfaceIron Age0115F1U13AbradedIron Age01122F2U316Iron AgeIron Age0123F2U112Very abradedIron Age0123F2U112Very abradedIron Age0124F1B156Fine jar. rounded rimIron Age0123F2U112Very abradedIron Age0124F1B156Fine jar. rounded rimIron Age0125F2U112Very abradedIron Age <td></td> <td>F</td> <td>U U</td> <td>1</td> <td>12</td> <td>Very abraded</td> <td>Iron Age</td>		F	U U	1	12	Very abraded	Iron Age
Q2C111 <t< td=""><td></td><td><math>\frac{1}{02}</math></td><td>U</td><td>1</td><td>5</td><td>Scored</td><td>Iron Age</td></t<>		$\frac{1}{02}$	U	1	5	Scored	Iron Age
1007111077 <td>0001</td> <td><u>F1</u></td> <td><u>U</u></td> <td>7</td> <td>7</td> <td>Very abraded</td> <td>Iron Age</td>	0001	<u>F1</u>	<u>U</u>	7	7	Very abraded	Iron Age
F1R1R ounded rim. Smoothed surfaceIron Age0093F2U12Iron Age0099F2U11Very abradedIron Age0113F4U120Flinted base. AbradedIron Age0113F4U120Flinted base. AbradedIron Age0113F4U120Flinted base. AbradedIron Age0113F4U120Flinted base. AbradedIron Age0114U1054Smoothed surfaceIron Age015F2D18Single fingertip impressedIron Age02D115Random fingernail impressedIron Age0115F1U13AbradedIron Age0122F2U316Iron Age0123F2U112Very abraded0104F1B156Fine jar, rounded rim. Smoothed surfaceIron Age0104F1B156Fine jar, rounded rim 20mm diameter short upright neck rounded shoulder Iron AgeIron AgeF2U20175Medium jar, rounded rim 220mm diameter short upright neck rounded shoulder Iron AgeIron AgeF2R2120Medium jar, rounded rim 220mm diameter short upright neck rounded shoulder Iron AgeIron AgeF2U8106Orange, AbradedIron AgeIron Age	0071	F1	P	2	2	Rounded rim Smoothed surface	Iron Age
11R111 <t< td=""><td></td><td>F1</td><td>R</td><td>1</td><td>1</td><td>Rounded rim. Smoothed surface</td><td>Iron Age</td></t<>		F1	R	1	1	Rounded rim. Smoothed surface	Iron Age
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0003	F2	II	1	2	Rounded Thii. Shiootiled sufface	Iron Age
1007912011 <td>0075</td> <td>F2 F2</td> <td>U</td> <td>1</td> <td></td> <td>Very abradad</td> <td>Iron Age</td>	0075	F2 F2	U	1		Very abradad	Iron Age
0113F40120 Finited base. AbladedInon AgeF2R13 Flat rim. Very abradedIron AgeQ1UI054 Smoothed surfaceIron AgeQ2D115 Random fingernail impressedIron AgeQ2D115 Random fingernail impressedIron AgeD115F1U13 AbradedIron AgeF2U11 AbradedIron AgeD122F2U316Iron AgeD123F2U112 Very abradedIron AgeD123F2U112 Very abradedIron AgeD124F1B156 Fine jar, rounded rimIron AgeD104F1B156 Fine jar, rounded rim. Smoothed surfaceIron AgeF1U21 ScrapsIron AgeIron AgeF2U20175 Medium jar, rounded rim 220mm diameter short upright neck rounded shoulderIron AgeF2R2120 Medium jar, rounded rim 220mm diameter short upright neck rounded shoulderIron AgeF4R218 Coarse jar, fingertip impressed on flat rim topIron AgeF2U8106 Orange. AbradedIron AgeF2R116Iron AgeF2R116Iron AgeF2R116Iron AgeF4R2120 Medium jar, rounded rim 220mm diameter short upright neck rounded shoulder <td>0099</td> <td>F4</td> <td></td> <td>1</td> <td>20</td> <td>Flipted base. Abraded</td> <td>Iron Age</td>	0099	F4		1	20	Flipted base. Abraded	Iron Age
F2R15 Hat Hill. Vely abradedIron AgeQ1U1054 Smoothed surfaceIron AgeF2D18 Single fingertip impressedIron AgeQ2D115 Random fingernail impressedIron Age0115F1U13 AbradedIron AgeF2U11 AbradedIron Age0122F2U316Iron Age0123F2U112 Very abradedIron Age0104F1B156 Fine jar, rounded rimIron Age0104F1B156 Fine jar, rounded rim. Smoothed surfaceIron Age0104F1R15 Fine jar, rounded rim. Smoothed surfaceIron AgeF1U21 ScrapsIron AgeIron AgeF2U20175 Medium jar, rounded rim 220mm diameter short upright neck rounded shoulderIron AgeF2R218 Coarse jar, fingertip impressed on flat rim topIron AgeF4R218 Coarse jar, fingertip impressed on flat rim topIron AgeF4U10116Iron AgeIron AgeF2R116 Orange, AbradedIron AgeF2R116 Orange, pinched baseIron AgeF4R218 Coarse jar, fingertip impressed on flat rim topIron AgeF4R2116 Orange, AbradedIron AgeF2R116 Orange,	0115	Г4 Е2	D	1	20	Flinted base. Abraded	Iron Age
Q101034 Shoolide surface100 AgeF2D18 Single fingertip impressedIron AgeQ2D115 Random fingernail impressedIron Age0115F1U13 AbradedIron AgeF2U11 AbradedIron Age0122F2U316Iron Age0123F2U112 Very abradedIron Age0104F1B156 Fine jar, rounded rimIron Age0104F1B156 Fine jar, rounded rim. Smoothed surfaceIron Age0104F1B156 Fine jar, rounded rim. Smoothed surfaceIron Age0104F1B156 Fine jar, rounded rim. Smoothed surfaceIron AgeF1U21 ScrapsIron AgeIron AgeF2U20175 Medium jar, rounded rim 220mm diameter short upright neck rounded shoulder Iron AgeIron AgeF2R218 Coarse jar, fingertip impressed on flat rim topIron AgeIron AgeF4U10116Iron AgeIron AgeIron AgeF2B116 Orange, AbradedIron AgeIron AgeF2R118Iron AgeIron AgeF4R218 Coarse jar, fingertip impressed on flat rim topIron AgeF2R116Iron AgeIron AgeF2R116Iron AgeIron Age		01		10	54	Smoothed surface	Iron Age
12D1115Singler Ingertip InpressedIron Age $Q2$ D115Random fingernail impressedIron Age0115F1U13AbradedIron Age $F2$ U11AbradedIron Age0122F2U316Iron Age $F1$ R15Fine jar, rounded rimIron Age0123F2U112Very abradedIron Age0104F1B156Fine jar, rounded rim. Smoothed surfaceIron Age0104F1R15Fine jar, rounded rim. Smoothed surfaceIron Age $F1$ U21ScrapsIron Age $Q1$ U768AbradedIron Age $F2$ U20175Medium jarIron Age $F2$ U20175Medium jar, rounded rim 220mm diameter short upright neck rounded shoulderIron Age $F4$ R218Coarse jar, fingertip impressed on flat rim topIron Age $F4$ U10116Iron AgeIron Age $F2$ B116Orange, pinched baseIron Age $F2$ R241338Coarse iar flat folded rim, no neck simple baseSmoothed $P109$ F2R241338Coarse iar flat folded rim, no neck simple baseSmoothed		E2	D	1	0 0	Single fingertin impressed	Iron Age
Q2D115 Kaldoli ingenial ingenial ingesid160 Age0115F1U13 AbradedIron AgeF2U11 AbradedIron Age0122F2U316Iron Age $F1$ R15 Fine jar, rounded rimIron Age0123F2U112 Very abradedIron Age0104F1B156 Fine jar, rounded rimIron Age0104F1R15 Fine jar, rounded rim. Smoothed surfaceIron AgeF1U21 ScrapsIron AgeIron AgeQ1U768 AbradedIron AgeIron AgeF2U20175 Medium jarIron AgeIron AgeF2R2120 Medium jar, rounded rim 220mm diameter short upright neck rounded shoulderIron AgeF4U10116Iron AgeIron AgeF2U8106 Orange. AbradedIron AgeIron AgeF2R118Iron AgeIron Age100F2R241338 Coarse jar filt folded rim no neck simple baseSmoothed1010F2R241338 Coarse jar filt folded rim no neck simple baseSmoothed		$\frac{12}{02}$	D	0	15	Pandom fingernail impressed	Iron Age
F1O15 AbradedIron AgeF2U11 AbradedIron Age0122F2U316Iron AgeF1R15 Fine jar, rounded rimIron Age0123F2U112 Very abradedIron Age0104F1B156 Fine jar, rounded rim. Smoothed surfaceIron Age0104F1R15 Fine jar, rounded rim. Smoothed surfaceIron AgeF1U21 ScrapsIron AgeQ1U768 AbradedIron AgeF2U20175 Medium jarIron AgeF2R2120 Medium jar, rounded rim 220mm diameter short upright neck rounded shoulder Iron AgeF4U10116F2U8106 Orange. AbradedF2B116 Orange, pinched baseF2R118100F2R24138Coarse jar flat folded rim no neck simple baseSmoothed100F2R138100F2R138100F2R138100F2R138100F2R138100F3F4F4F3F4F4F4F4F5F5R1F5R1F5R1F5R1F5R1F4 <t< td=""><td>0115</td><td><u>Q</u>2 E1</td><td></td><td>CO 1</td><td>1.5</td><td>Abradad</td><td>Iron Age</td></t<>	0115	<u>Q</u> 2 E1		CO 1	1.5	Abradad	Iron Age
12011 Abraced1 on Age0122F2U316Iron AgeF1R15 Fine jar, rounded rimIron Age0123F2U112 Very abradedIron Age0104F1B156 Fine jar, Smoothed surfaceIron AgeF1R15 Fine jar, rounded rim. Smoothed surfaceIron AgeF1R15 Fine jar, rounded rim. Smoothed surfaceIron AgeF1U21 ScrapsIron AgeQ1U768 AbradedIron AgeF2U20175 Medium jarIron AgeF2R2120 Medium jar, rounded rim 220mm diameter short upright neck rounded shoulder Iron AgeF4R218 Coarse jar, fingertip impressed on flat rim topIron AgeF2U8106 Orange, AbradedIron AgeF2B116 Orange, pinched baseIron AgeF2R118Iron Age100F2R241338 Coarse iar flat folded rim no nack simple base Smoothed	0115	FI	U	- 1	1	Abraded	Iron Age
F1       R       1       5 Fine jar, rounded rim       Iron Age         0123       F2       U       1       12 Very abraded       Iron Age         0104       F1       B       1       56 Fine jar, Smoothed surface       Iron Age         F1       R       1       5 Fine jar, rounded rim. Smoothed surface       Iron Age         F1       R       1       5 Fine jar, rounded rim. Smoothed surface       Iron Age         F1       U       2       1 Scraps       Iron Age         Q1       U       7       68 Abraded       Iron Age         F2       U       20       175 Medium jar       Iron Age         F2       R       2       120 Medium jar, rounded rim 220mm diameter short upright neck rounded shoulder       Iron Age         F4       R       2       18 Coarse jar, fingertip impressed on flat rim top       Iron Age         F4       U       10       116       Iron Age       Iron Age         F2       B       1       16 Orange, binched base       Iron Age       Iron Age         F2       B       1       16 Orange, pinched base       Iron Age       Iron Age         F2       R       1       18       Iron Age       Iron A	0122	F2	U U	2	16	Abladed	Iron Age
P1R111 <th< td=""><td>0122</td><td>F2 F1</td><td>D</td><td>1</td><td>10</td><td>Fina iar roundad rim</td><td>Iron Age</td></th<>	0122	F2 F1	D	1	10	Fina iar roundad rim	Iron Age
0125       F2       0       1       12 Very abraded       Itoli Age         0104       F1       B       1       56 Fine jar. Smoothed surface       Iron Age         F1       R       1       5 Fine jar, rounded rim. Smoothed surface       Iron Age         F1       U       2       1 Scraps       Iron Age         Q1       U       7       68 Abraded       Iron Age         F2       U       20       175 Medium jar       Iron Age         F2       R       2       120 Medium jar, rounded rim 220mm diameter short upright neck rounded shoulder Iron Age         F4       R       2       18 Coarse jar, fingertip impressed on flat rim top       Iron Age         F2       U       10       116       Iron Age         F2       U       8       106 Orange. Abraded       Iron Age         F2       B       1       16 Orange, pinched base       Iron Age         F2       B       1       16 Orange, pinched base       Iron Age         F2       R       1       18       Iron Age	0122	F1 F2	N II	1	10	Varuahradad	Iron Age
V104       F1       B       1       56 Fine jar, Smoothed surface       Iron Age         F1       R       1       5 Fine jar, rounded rim. Smoothed surface       Iron Age         F1       U       2       1 Scraps       Iron Age         Q1       U       7       68 Abraded       Iron Age         F2       U       20       175 Medium jar       Iron Age         F4       R       2       18 Coarse jar, fingertip impressed on flat rim top       Iron Age         F4       U       10       116       Iron Age         F2       B       1       16 Orange, Abraded       Iron Age         F2       B       1       16 Orange, pinched base       Iron Age         F2       R       1       18       Iron Age	0125	Г <u>2</u> Г1	D	1	12 50	Fina in Streaded and a	Iron Age
F1R15 Fine Jal, founded fill. Sinoothed suffaceIfon AgeF1U21 ScrapsIron AgeQ1U768 AbradedIron AgeF2U20175 Medium jarIron AgeF2R2120 Medium jar, rounded rim 220mm diameter short upright neck rounded shoulder Iron AgeF4R218 Coarse jar, fingertip impressed on flat rim topIron AgeF4U10116Iron AgeF2B116 Orange, AbradedIron AgeF2B116 Orange, pinched baseIron AgeF2R118Iron Age	0104		D	1	20	Fine jar. Smoothed surface	Iron Age
P11021 SctapsIffon AgeQ1U768 AbradedIron AgeF2U20175 Medium jarIron AgeF2R2120 Medium jar, rounded rim 220mm diameter short upright neck rounded shoulderIron AgeF4R218 Coarse jar, fingertip impressed on flat rim topIron AgeF4U10116Iron AgeF2U8106 Orange, AbradedIron AgeF2B116 Orange, pinched baseIron AgeF2R118Iron Age		Г1 Е1	л т	1	1	Fine jai, foundeu fini. Smoothed sufface	Iron Age
F2U20175 Medium jarIron AgeF2R2120 Medium jar, rounded rim 220mm diameter short upright neck rounded shoulderIron AgeF4R218 Coarse jar, fingertip impressed on flat rim topIron AgeF4U10116Iron AgeF2B106 Orange, AbradedIron AgeF2B116 Orange, pinched baseIron AgeF2R118Iron Age		ГI 01	U	2 7	1 20	Abradad	Iron Age
F2       0       20       175 Medium jar       Iron Age         F2       R       2       120 Medium jar, rounded rim 220mm diameter short upright neck rounded shoulder Iron Age         F4       R       2       18 Coarse jar, fingertip impressed on flat rim top       Iron Age         F4       U       10       116       Iron Age         F2       B       106 Orange. Abraded       Iron Age         F2       B       1       16 Orange, pinched base       Iron Age         F2       R       1       18       Iron Age		E2	U	20	175	Autautu Madium iar	Iron Age
F2       R       2       120 Medium jar, rounded rim 220mm diameter short upright neck rounded shoulder from Age         F4       R       2       18 Coarse jar, fingertip impressed on flat rim top       Iron Age         F4       U       10       116       Iron Age         F2       U       8       106 Orange. Abraded       Iron Age         F2       B       1       16 Orange, pinched base       Iron Age         F2       R       1       18       Iron Age         109       F2       R       2       1338 Coarse jar flat folded rim no nack simple base. Smoothed       Iron Age		Г2 Е2	U D	20	1/3	Madium ian roundad rim 220mm diamatan abanti-ti	IIOII Age
F4       U       10       116       Iron Age         F2       U       8       106 Orange. Abraded       Iron Age         F2       B       1       16 Orange, pinched base       Iron Age         F2       R       1       18       Iron Age         100       F2       R       24       1338 Coarse iar flat folded rim no neck simple base. Smoothed       Iron Age		Г <i>2</i> Е4	К D	2	120	Coarse jar, founded fill 220fill diameter short upright neck rounded should	Iron Age
F2     U     8     106     Orange. Abraded     Iron Age       F2     B     1     16     Orange, pinched base     Iron Age       F2     R     1     18     Iron Age       109     F2     R     24     1338     Coarse iar flat folded rim no neck simple base     Smoothed		Г4 Е4	N I	ے 10	10	Coarse jar, migerup mipresseu on nat mit top	Iron Age
F206100 Orange. AbradedIron AgeF2B116 Orange, pinched baseIron AgeF2R118Iron Age100F2R241338 Coarse iar flat folded rim no neck simple base. SmoothedIron Age		Г4 Е2	U	10	110	Orango Abradad	Iron Age
$\frac{12}{F2} = \frac{1338}{R} = \frac{11}{18} = 1000000000000000000000000000000000000$		Г2 F2	U P	ð 1	100	Orange, ninched base	Iron Age
12 R 1 10 Holded rim no neck simple base Smoothed Iron Age		F2	D Q	1	10	Orange, pricticu base	Iron Age
THE REAL PROPERTY OF THE TRANSPORTED TO THE TO THE TRANSPORTATION TO THE TRANSPORTED TO T	0100	E2	D	24	1220	Coarse in flat folded rim no neak simple has Smoothed	Iron Acc

### **Appendix 5: Flint by context**

Ctxt	Туре 📣	No.	Notes
0002	retouched flake	1	Slight irregular retouch of left edge - other side broken
0018	flake	4	All small irregular
	blade-like flake	1	Very small
0029	end scraper	1	Long quite thick blade-like with thin pebble type cortex. Edges
U.V.C	dio		damaged, possibly some through use, but distal end has slight
4010	0105		retouch - or utilisation? of naturally scraper-like edge
0030	flake	8	Irregular, generally quite thick. Several with cortical platforms
101.	utilised flake	1	Very small - possible utilised edge
C	retouched flake	1	Slight retouch or possible utilisation of a steep edge, possibly used
			as scraper
0035	flake	1	Hard hammer struck
0059	flake	1	Small, cortical
0061	flake	1	Broad, hard hammer struck
0071	spall	2	Very small, from sample 5
	flake	2	Small, both quite squat, from sample 5
	blade-like flake	2	From sample 5
	blade	1	From sample 5
0077	utilised flake	1	Thin, cortical platform, slight utilised edges
	retouched flake	1	Slight retouch right edge
0085	flake	2	Both quite small
0087	flake	2	One irregular, one very small
	shatter	1	coull ice
0091	flake	3	One small, thick and hard hammer struck, others quite small
0097	flake	2	One quite thick w thick cortex around all side - 'slice'-like, some
			patination /glossy
	core/tool	1	Irregular fragment, completely cortical - white glossy & abraded
			apart from one side which has flakes from along it - could be a
			S crude scraper -type tool or a core
	core fragment	1	Mostly cortical from side of core - has battered platform area
0106	flake	1	Quite small
	blade-like flake	1	Very small
0111	flake	1	Small
0115	utilised flake	1	Cortical - cortical edge utilised
0122	flake	3	Irregular
	retouched flake	1	Broad hard hammer struck, thin pebble type cortex
	piercer	1	Large with long protruding distal point which may have been used
	-		as piercer

Suffolk County Council Suffolk County Council Archaeological Service

Suffolk County Council Suffolk County Council Archaeological Service

## Appendix 6: Cremated bone quantification and measurements

Appe	naix	o: Cre	mau	ea do	one qua	anuno	cation	and n	neasu	ireme	ents				unc						
Feature	Fill	Frac		Skul	1		Axial	o Alle	U	pper li	mb	Lo	ower li	mb	Unid	ent long	g bone	Unident	Totals	max skull	max l.b.
			No.	Wt/g	Ave. wt	No.	Wt/g	Ave. wt	No.	Wt/g	Ave. wt	No.	Wt/g	Ave. wt	No.	Wt/g	Ave. wt	Wt/g	Wt/g	(mm)	(mm)
0084	0085	<5mm	3	0.2	0.06	2	0.1	0.05						colk los	49	3.6	0.07	17.4	21.3	11	9
		>5mm	3	0.4	0.13	Summin	Jec.					3	0.5	0.17	11	2.1	0.19	2.8	5.8	11	17
Totals			6	0.6	0.10	Ar 2	0.1	0.05				3	0.5	0.17	60	5.7	0.10	20.2	27.1		
0100	0101	<5mm	58	4.0	0.07	2	0.1	0.05	1	0.1	0.1	8	1.3	0.16	34	5.0	0.15	63.8	74.3	12	22
		>5mm	33	7.7	23.3	2	0.2	0.10	3	0.9	0.3	12	7.8	0.65	17	6.3	0.37	16.2	39.1	17	25
	0102	all																1.0	1.0		
Totals			91	11.7	0.13	4	0.3	0.08	4	1.0	0.25	20	9.1	0.46	51	11.3	22.2	81.0	114.4		

0103	0104	<5mm				5	0.5	0.10	4.4	4.9	8
		>5mm			Incile	5	4.6	0.92	1.7	6.3	17
Totals					Cochico	10	5.1	0.51	6.1	11.2	
					Suffolk Countial S						

Suffolk County Council Suffolk County Council Archaeological Service



#### **Appendix 7: Cremated bone catalogue**

#### Cremation burial 0085 (feature 0084): ?juvenile and/or animal

Cremation burial 008	5 (feature 0084): ?juvenile and/or animal
Quantification:	Total weight 27.1g: Skull 6 (0.6g), axial 2 (0.1g), upper limb 0 (0g), lower limb 3 (0.5g),
COU	unidentified long bone 60 (5.7g), unidentified (20.2g).
Description:	Unurned calcined bone. Possibly a mixed deposit.
Condition:	Fair, mostly very small fragments, abraded.
Determination of age:	Size of bones.
Determination of sex:	No evidence.
Identified elements:	Fragments of ribs, tarsal, ?phalanges.
Measurements:	Max skull frag size 11mm, max long bone frag size 17mm.
Colours:	White, a few blue-grey pieces.
Teeth:	None.
Pathology:	Nothing observed.

#### Cremation burial 0101/0102 (feature 0100): unsexed adult

Quantification:	Total weight 114.4g: Skull 91 (11.7g), axial 4 (0.3g), upper limb 4 (1.0g), lower limb 20								
	(9.1g), unidentified long bone 51 (11.3g), unidentified (81.0g).								
Description:	Unurned, small pit.								
Condition:	Fair, a few medium-sized fragments.								
Determination of age:	Skull thickness and size of long bone fragments.								
Determination of sex:	No evidence.								
Identified elements:	Ribs, humerus, femur, tibia.								
Measurements:	Max skull frag size 17mm, max long bone frag size 25mm.								
Colours:	Mostly cream/white.								
Teeth:	Five root fragments.								
Pathology:	Nothing observed.								

## Cremation burial 0104 (feature 0103): animal?

Total weight 11.2g: Skull 0 (0g), axial 0 (0g), upper limb 0 (0g), lower limb 0 (0g),
unidentified long bone 10 (5.1g), unidentified (6.1g).
Unurned calcined bone.
Fair, small fragments, abraded.
No evidence.
No evidence.
None.
Max long bone frag size 17mm.
Mostly white.
None
Nothing observed.

Suffolk County Council Suffolk County Council Archaeological Service

Suffolk County Council Suffolk County Council Archaeological Service

# Appendix 8. Charred plant macrofossils and other remains

pendix 8. Unarred plant macrofossils and other remains													
	N Council						W Council						
		colk Counical St						rolk countial 2					
Sample No.	5 GU	na 8	1	11	13	14	SUT 1930	2	9	10	20	3	
OP No.	0071	0077	0059	0085	0104	0113	0122	0061	0101	0102	0091	0058	
Feature No.	0070	0076	0055	0084	0103	0112	0121	0060	0100	0100	0090	0058	
Feature type	Pit	ph	Pit	ph	Pit	Pit	Pit	ph	Crem.	Crem.	ph	Pit	
Date	LN/EBA	LN/EBA	BA/IA	IA	IA	IA	IA	?IA	?	?	Prehis.	Prehis.	
Plant macrofossils													
Cereal indet. (grains)			х			xcf			x		х		
Bromus sp.			xcf		1								
Fabaceae indet.										xcf			
Fallopia convolvulus (L.)A.Love			х			xtf							
Persicaria maculosa/lapathifolia						X							
Corylus avellana L.	XX	XX			un								
Charcoal <2mm	XXX	XXXX	XXX	XXXX	XXXX	XXX	XXXX	XXXX	XXXX	XXX	XXX	XXXX	
Charcoal >2mm	х	XXX	х	XXX	XXX	х	Х	XX	XX			XX	
Charcoal >5mm		х		116	co gio		Х		x				
Charred root/stem				for	<sup>5</sup> 010	х	Х	х					
Other materials				Suche									
Black tarry material				h.				х					
Bone	xb	xb	х	xxxb	x xb	xx xb	xb	х	xb	xb	x xb		
Burnt/fired clay			х	х				х	x				
Burnt stone									x			х	
Vitrified material								х					
Small coal frags.											х		
Sample volume (litres)	10	20	20	20	30	20	20	20	20	20	20	10	
Volume of flot (litres)	<0.1	0.4	<0.1	0.1	0.2	<0.1	<0.1	0.1	0.1	<0.1	<0.1	<0.1	
% flot sorted	100%	25%	100%	100%	50%	100%	100%	100%	100%	100%	100%	100%	

**Key**: x = 1 + 10 specimens; xx = 10 - 50 specimens; xxx = 50 - 100 specimens; xxxx = 100+ specimens; suffolk County Set

cf = compare; tf = testa fragment; b = burnt; ph = post hole; Crem = cremation;

LN = Late Neolithic; EBA = Bronze Age; IA = Iron Age; Prehis = prehistoric

L = low; M = Medium; H = High

#### **Appendix 9. Radiocarbon dating certificates**



#### Scottish Universities Environmental Research Centre

**Rankine Avenue** Scottish Enterprise Technology Park East Kilbride Scotland UK G75 0QF

Email: **Telephone: Direct Dial:** Fax:

g.cook@suerc.gla.ac.uk\_nt/ 01355 223332 01355 270136 01355 229898 Sufforkeological Service Archaeological Service

#### RADIOCARBON DATING CERTIFICATE

31 July 2008

Laboratory Code

**Submitter** 

Site Reference **Sample Reference** 

Material

SUERC-19596 (GU-16920)

Cathy Tester Suffolk County Council Archaeological Service Shirehall Bury St. Edmunds IP33 2AR

Euston Reservoir, Sapiston, Suffolk SAP012 0059

Seeds : Indeterminate

 $\delta^{13}$ C relative to VPDB

1.

3.

-22.6 %

**Radiocarbon Age BP**  $2225 \pm 30$ 

N.B.

The above <sup>14</sup>C age is quoted in conventional years BP (before 1950 AD). The error, which is expressed at the one sigma level of confidence, includes components from the counting statistics on the sample, modern reference standard and blank and the random machine error.

The calibrated age ranges are determined from the University of Oxford Radiocarbon Accelerator Unit calibration program (OxCal3).

Samples with a SUERC coding are measured at the Scottish Universities Environmental Research Centre AMS Facility and should be quoted as such in any reports within the scientific literature. Any questions directed to the Radiocarbon Laboratory should also quote the GU coding given in parentheses after the SUERC code.

Conventional age and calibration age ranges calculated by :- P, Nayshow Date :- 31-7-08

abre

Checked and signed off by :-

Date :- 31-7.08

#### **Calibration Plot**





#### Scottish Universities Environmental Research Centre

Rankine Avenue Scottish Enterprise Technology Park East Kilbride Scotland UK G75 0QF

<u>zie</u> <u>Juffolk County Countrice</u> Suffolk County County Service Director: Professor A B MacKenzie

Email: **Telephone: Direct Dial:** Fax:

Suffolk County Council Suffolk County Council Archaeological Service g.cook@suerc.gla.ac.uk 01355 223332 01355 270136 01355 229898

#### RADIOCARBON DATING CERTIFICATE

31 July 2008

Laboratory Code

**Submitter** 

SUERC-19597 (GU-16921)

Cathy Tester Suffolk County Council Archaeological Service Shirehall Bury St. Edmunds IP33 2AR

Site Reference **Sample Reference** 

Material

 $\delta^{13}$ C relative to VPDB

SAP012 0077

Euston Reservoir, Sapiston, Suffolk

Nutshell : Hazel-Corylus avellana

-23.9 %

 $3700 \pm 30$ **Radiocarbon Age BP** 

The above <sup>14</sup>C age is quoted in conventional years BP (before 1950 AD). The error, which is N.B. 1. expressed at the one sigma level of confidence, includes components from the counting statistics on the sample, modern reference standard and blank and the random machine error.

- The calibrated age ranges are determined from the University of Oxford Radiocarbon 2. Accelerator Unit calibration program (OxCal3).
- Service Research Centre AMS Facility and should be quoted as such in any reports within the scientific literature. Any questions directed to the Radiocarbon Laboration and the CM Samples with a SUERC coding are measured at the Scottish Universities Environmental scientific literature. Any questions directed to the Radiocarbon Laboratory should also quote Arc the GU coding given in parentheses after the SUERC code.

Conventional age and calibration age ranges calculated by :- P. Noupputs Date :- 31-7-08

Date :- 31 - 7 -08

Checked and signed off by :-

Koden Busk

#### **Calibration Plot**







#### Scottish Universities Environmental Research Centre

**Rankine Avenue** Scottish Enterprise Technology Park East Kilbride Scotland UK G75 0QF

sum a.ac.uk a.a.ac.uk 01355 270136 01355 229898 County Coertice County Service 01355 229898 County Service 0155 2008

Laboratory Code

**Submitter** 

Cathy Tester Suffolk County Council Archaeological Service Shirehall Bury St. Edmunds **IP33 2AR** 

Euston Reservoir, Sapiston, Suffolk

**Site Reference Sample Reference** 

**Material** 

 $\delta^{13}$ C relative to VPDB

1.

-22.8 %

 $730 \pm 30$ 

SAP012 0091

Seeds : Indeterminate

**Radiocarbon Age BP** 

N.B.

The above <sup>14</sup>C age is quoted in conventional years BP (before 1950 AD). The error, which is expressed at the one sigma level of confidence, includes components from the counting statistics on the sample, modern reference standard and blank and the random machine error. Service

The calibrated age ranges are determined from the University of Oxford Radiocarbon 2. Accelerator Unit calibration program (OxCal3).

Gorden Cook

Samples with a SUERC coding are measured at the Scottish Universities Environmental Research Centre AMS Facility and should be quoted as such in any reports within the scientific literature. Any questions directed to the Radiocarbon Laboratory should also quote the GU coding given in parentheses after the SUERC code.

Conventional age and calibration age ranges calculated by :- P. NaySmuth Date :- 3 |- 7 - 08

Checked and signed off by :-

Date :- 31 - 7.08

#### **Calibration Plot**





Scottish Universities Environmental Research Centre

**Rankine Avenue** Scottish Enterprise Technology Park East Kilbride Scotland UK G75 0QF

Email: Telephone: **Direct Dial:** Fax:

Suffolk County Council g.cook@suerc.gla.ac.uk 01355 223332 01355 270136 01355 229898

#### RADIOCARBON DATING CERTIFICATE

31 July 2008

Laboratory Code

**Submitter** 

SUERC-19599 (GU-16923)

Cathy Tester Suffolk County Council Archaeological Service Shirehall Bury St. Edmunds IP33 2AR

**Site Reference Sample Reference** 

**Material** 

Euston Reservoir, Sapiston, Suffolk SAP012 0104 09

Charcoal: Unknown

 $\delta^{13}$ C relative to VPDB

-25.6 %

 $2455 \pm 30$ 

**Radiocarbon Age BP** 

The above <sup>14</sup>C age is quoted in conventional years BP (before 1950 AD). The error, which is N.B. 1. expressed at the one sigma level of confidence, includes components from the counting statistics on the sample, modern reference standard and blank and the random machine error.

> The calibrated age ranges are determined from the University of Oxford Radiocarbon Accelerator Unit calibration program (OxCal3).

Samples with a SUERC coding are measured at the Scottish Universities Environmental Research Centre AMS Facility and should be quoted as such in any reports within the scientific literature. Any questions directed to the Radiocarbon Laboratory should also quote the GU coding given in parentheses after the SUERC code.

Conventional age and calibration age ranges calculated by :- P. Nay Smb Date :- 31-7-08

rabra Checked and signed off by :-

Date :- 31-7-08



Suffolk County Council Suffolk County Council

Suffolk County Council Suffolk County Council Archaeological Service



Suffolk County Council Suffolk County Council Archaeological Service

Suffolk County Council Suffolk County Council Archaeological Service

