GBSG17

Land at Great Billing Sand and Gravel Extraction and Restoration, Northampton

Archaeological Evaluation and Auger Survey

Prepared on behalf of Peter Brett Associates LLP

HEADLAND ARCHAEOLOGY Ltd

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Land at Great Billing Sand and Gravel Extraction and Restoration, Northampton

Client: Peter Brett Associates LLP

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Grid Reference:
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GREAT BILLING SAND AND GRAVEL EXTRACTION AND RESTORATION, NORTHAMPTON ARCHAEOLOGICAL EVALUATION AND AUGER SURVEY

Summary

Headland Archaeology (UK) Ltd undertook an archaeological evaluation of Great Billing Sand and Gravel Extraction and Restoration, Northampton, between 15th February and 4th April 2017. The work was commissioned by WYG Environment, Planning and Transport Ltd on behalf of their client Peter Brett Associates LLP in response to planning requirements for the proposed sand and gravel extraction works. The evaluation identified ditches, several discrete pits, probable post holes and a high volume of furrows. The site is interpreted as having a long agricultural history prior to its use as part of Northampton's sewage works.

1. INTRODUCTION

1.1 Planning Background

Headland Archaeology Ltd was commissioned by WYG Environment, Planning and Transport Ltd on behalf of their client, Peter Brett Associates LLP to undertake a programme of archaeological works in support of the planning application for the development of the site for sand and gravel extraction.

This work followed the compilation of a desk-based assessment (Archaeological Solutions, 2007) and a geophysical survey (Stratascan, 2012). The desk-based assessment highlighted historical heritage assets within and surrounding the proposed development area (PDA). The geophysical survey identified a series of anomalies potentially including ditched enclosures, pits and a roundhouse.

Headland Archaeology prepared a Written Scheme of Investigation (2017) on behalf of the client setting out the proposed trenching strategy for the archaeological evaluation and auger survey. The WSI was submitted to and agreed with the County Archaeological Advisor who advises the Local Planning Authority on archaeological matters. This report details the results of the work and is a technical appendix to the Environmental Statement chapter supporting the planning application.

1.2 Site Description

The site is located near Great Billing, on the eastern periphery of Northampton and north of the River Nene (NGR: SP 836 621; Illus 1). It is currently used as farmland and is bounded by the A45 to the north, farmland to the east, the river wetlands and former gravel pits to the south and Anglian Water Sewage Treatment Works to the west.

It lies at 50m AOD, and is almost completely flat. It is underlain by Whitby Mudstone Formation, a mudstone with thin limestone and shale banding at the base. Superficial deposits are described as Alluvium and Lower Ecton Sand and Gravel (http://www.bgs.ac.uk).

1.3 Archaeological Background

No previous intrusive archaeological works have taken place across the PDA. Archaeological Solutions (2007) conducted an archaeological desk-based assessment, commissioned by Savills, on behalf of Anglian Water Group Property Limited. A summary of this report is presented below.

This was augmented by a geophysical survey undertaken in 2012 (Stratascan). The magnetic gradiometer data collected at Great Billing, Northampton is dominated by magnetic disturbance caused by made ground and anomalies relating to the site's former use as a sewage irrigation farm. Made ground is particularly prevalent in fields on the west side of the PDA and linear features possibly related to irrigation can be identified throughout the central and eastern fields of the survey area. Such high levels of magnetic disturbance would be likely to mask any subtle features of a possible archaeological origin that may exist in those areas.

Despite the large amounts of magnetic disturbance three enclosures of an archaeological origin likely to be related to prehistoric settlement activity were identified in fields close to the northern boundary with the A45. Two circular features probably related to ring ditches of an archaeological origin can also be noted close to the western end of the site. These were located outside of the boundaries of the

evaluation works. Other positive linear and area anomalies can be noted throughout the central and eastern regions of the survey area. Many of these features are quite weak and amorphous and as such may be related to localised changes in geology or pedology. Large areas of magnetic variation have been identified and these are also likely to be of a natural origin.

Prehistoric ($50{,}000_{BC}$-750_{BC})

Areas adjacent to river courses often reveal evidence for prehistoric activity. This is certainly true of the Nene valley, along which evidence for a human presence during the Palaeolithic has been found (McNabb, 2006, 21). Although only one Upper Palaeolithic artefact has so far been identified in Northamptonshire, 70 artefacts of Lower and Middle Palaeolithic date, mostly Acheulian hand-axes, have been found. The majority of these artefacts have been recovered during gravel quarrying in the Nene valley.

A large number of Mesolithic find spots are located on the exposed permeable geologies along the flanks of the Nene valley at sites with views over the floodplain (Phillips 1999). Microliths and blades likely to be Mesolithic in date were discovered during field walking in Ecton parish (Moore et al 1975). Two hundred and fifty metres from the western boundary of the PDA, close to Billing Aquadrome, a single Mesolithic microlith from an unstratified context was found in the late 1950s (HER 2136/0/0).

The evidence for the Neolithic and early Bronze Age suggests that the East Midlands area, including the Nene river valley, was being exploited extensively at this time, although settlement evidence is rare (Clay 2006, 77). During field walking in 1978, at a location now approximately in the middle of the A45, to the east of the PDA, a fragment of a Neolithic flint leaf-shaped arrowhead and a prehistoric flint scraper were recovered.

Field walking (HER 2046/0/0) and a subsequent excavation (HER 2046/0/1), carried out prior to quarrying in an area *c*125m to the southeast of the site, identified Neolithic and Bronze Age activity. A minor excavation (HER 5980/0/1) undertaken prior to 1973 to the south of the PDA, recorded a Neolithic hearth, two possible postholes, 200 sherds of Neolithic pottery and 200 worked flints.

Many Bronze Age round barrows are known in the wider area, particularly on the ridge to the north. A possible barrow of unspecified prehistoric date is located close to the northern boundary. In addition to cropmarks and aerial photos, work undertaken in 2003 by Northamptonshire Archaeology, including geophysical survey, field walking and trial trench excavation recorded a pit alignment, which may suggest the presence of late Bronze Age or early Iron Age boundaries, although the pottery recovered from the fills of these pits was of middle Iron Age date (HER 2148/0/10). An unstratified Bronze Age looped and socketed spearhead was found in 1968 at a location *c*60m south of the PDA (HER2078/0/0).

Iron Age & Roman (750_{BC}-$_{AD}$410)

Evidence of late Bronze Age and early Iron Age occupation is, in comparison with the later Iron Age, relatively uncommon in Northamptonshire. The main concentration of sites of these periods, is on the permeable geologies of the Nene valley. Evidence for middle Iron Age occupation is fairly common and widespread across the county although the greater concentrations are, as with the preceding part of the Iron Age, in the river valleys of the Nene and also the Ise. Most settlements that originated in the middle Iron Age continued to be occupied into the later Iron Age. Newly founded settlements, such as that at Clay Lane situated to the northeast of the PDA, follow established middle Iron Age patterns (Kidd 1999).

The Nene valley is of considerable archaeological importance for the Romano- British period, with the construction of roads, forts, towns, villas, kilns/industrial sites and rural farmsteads known from the immediate area of the Nene and the Welland, to the north. The river Nene provided a crucial navigable link between the East Midlands and the fen edge. The town of Durobrivae (close to modern Water Newton) was established at an important point guarding the crossing point of the Nene. Mass pottery production was being undertaken in the area from soon after the Roman conquest. Potters fields, evidenced by the discovery of abundant kiln sites, were established at Sibson and Stibbington by the later 3rd century AD, and Roman iron working is also well known from the wooded areas above the valley.

In 2003, the Earls Barton Quarry Western Extension, part of which lies to the north and east of the PDA, was subject to a programme of geophysical and fieldwalking survey conducted by Northamptonshire Archaeology. The enclosures, trackways and ring-gullies identified were considered, on morphological grounds, to represent settlement of Iron Age or Roman date (Masters & Fisher 2003, 8). An

archaeological evaluation, comprising further geophysical survey and trial trenching (Walsh & Maull 2003, 1-2) revealed anomalies representing enclosures, ditches, pits and possible roundhouses. Trial trenching demonstrated the presence of extensive archaeological remains within the quarry site dating from the early Iron Age to the Roman period. The most extensive activity recorded appeared to be middle to late Iron Age and comprised a series of at least four, possibly five, enclosed settlements with related field systems. Roman activity identified during this project was mainly confined to an area covering *c*3.3ha to the north of the A45.

Four Romano-British pottery kilns along with other features and numerous related finds were observed during quarrying work to the southwest of the PDA in 1956-57 (HER 2135/1/1 & 2135/1/2). As with the Prehistoric period numerous cropmarks identified as Iron Age or Romano-British have been recorded in the area surrounding the site.

Medieval

After the withdrawal of Roman government in Britain there appears to have been continued occupation with varied evidence of Anglo-Saxon settlement, in the Nene valley as well as the Welland, Ouse and Cam (Stenton 2001, 26).

Earls Barton was one of a number of Saxon spring-line settlements that were established on the north bank of the River Nene. The discovery in 1762 of a cemetery site and two silver coins, one of which dated to the reign of Ethelred II 'the Unready' (r. 978-1016), in the gardens of Ecton Hall indicates that the neighbouring parish may also have Saxon origins. Despite the probable Saxon origins of the settlements of Ecton and Earls Barton, surprisingly few sites of this date are recorded within this area. To the northeast of the development area four sherds of early middle Saxon pottery were recovered during fieldwalking in 1978 (HER 2037/0/0).

At the time of the Domesday Survey Great Billing was held by Gilbert the Cook. Land within this estate included 28 acres of meadow and a mill (Williams & Martin 2003, 622). The Domesday entries suggest this settlement was rural at this time and remained so during the majority of the medieval period.

Much of the evidence recorded on the HER for this period relates to cropmarks or earthworks interpreted from aerial photographs as being of possible medieval date. These include two possible medieval or post medieval enclosures (HER 2048/0/2, HER2048/0/10); two possible medieval or post-medieval boundary ditches (HER2048/0/1, HER2048/0/7); and three possible quarry pits (HER2048/0/8, HER 2048/0/9). The site of the medieval to post-medieval Ecton Watermill, to the south of the PDA, indicates industrial use of the river in this period (HER2079 & HER2079/1).

Post-medieval

Close to the PDA is the post-medieval Ecton Windmill (HER 2047/1, HER2047/1/1). In 1979, a raised leat with fragments of stone structure surviving at its eastern end (HER2079/1/1) associated with a watermill were recorded in approximately the same location as the medieval watermill. Earthworks representing a leat slightly further to the east (HER2079/1/2) are also noted. Occasional finds of post medieval pottery (HER6553/0/0, HER6554/0/0), along with pottery of Romano-British, medieval and modern date, have been made during fieldwalking in the area to the east of Commander's Spinney.

Early modern and modern

To the south of the PDA, on the former Ecton to Cogenhoe Road is a late 18th to early 19th century stone footbridge (HER6515/1/1) crossing a limb of the Nene. The remaining modern sites within close proximity to the development site relate to the L & H Polymers rubber and plastics factory located close to the western boundary. A Type 26 square pillbox at this site suggests that the factory was of some importance during the Second World War.

History of land use at the site

The land within the PDA was originally laid out as filtration areas for the treatment of Northampton's sewage by broad irrigation in 1875. In 1895 the site was extended with the purchase of a second farm. This purchase provided a total of 224ha which were graded and under-drained. The broad irrigation system eventually became ineffective and this led to the construction of the first sewage treatment works on the site in 1930-33. Tanks were constructed and machinery and apparatus installed for settlement and removal of grit and coarse floating material. The residual by-products, detritus and sludge were carried to the land and either left to dry or ploughed in. The effluent from the works passed on to the land filtration areas which had previously been used for treating raw sewage. By 1938, the

quantity and strength of the sewage had so increased that the land filtration, which had been reconditioned a few years previously, became so overloaded that it was treating more than three times the quantity of sewage than it had been designed for. Farming on the site was abandoned as the underdrains had silted up and the land flooded. This turned the whole farm into a large lagoon that attracted a wide variety of birdlife. In 1954, an activated sludge plant designed to produce effluent to Royal Commission Standards was brought into use at the site. It was quickly found to be difficult to produce good quality effluent due to large amounts of trade waste and industrial sewage.

2. OBJECTIVES

2.1 General

The methodology followed was outlined in the WSI (Headland Archaeology, 2017). Generally, the archaeological investigations were undertaken in order to:

- Assess the extent, structure and date of any archaeological features and deposits of archaeological interest;
- Place, where possible, the archaeological features within their local and regional context;
- Establish any constraints to further fieldwork (e.g. services) and factors concerning the survival of archaeological remains (e.g. natural and human disturbance);
- Place the findings of the investigation within the context of previous work undertaken within the vicinity of the site.

The objectives of the auger survey were:

- To determine the thickness of any superficial deposits of low archaeological/palaeoenvironmental potential;
- To target particular high-conductivity anomalies/trends and identify their cause;
- To target particular low-conductivity anomalies/trends and check whether they correspond to areas of raised ground;
- To thereby check the interpretation of the geophysical survey against actual ground conditions and produce a sub-surface deposit model with a high confidence rating.

2.2 Specific

More specifically, the local and regional research objectives are drawn from *The Archaeology of the East Midlands: An Archaeological Resource Assessment and Research Agenda* (Cooper 2006) supplemented by East Midlands Heritage: An Updated Research Agenda and Strategy for the Historic Environment of the East Midlands (Knight *et al* 2012). The National Research objectives are derived from Exploring Our Past (English Heritage 1991), and English Heritage Archaeology Division Research Agenda (English Heritage 1997). The evidence retrieved during the works will be analysed in light of the following research questions and topics that were incorporated into the WSI (Headland Archaeology 2017):

- Roman period: Rural settlement, landscape, and society: Rural settlements of the Roman period in Britain are not well understood. Opportunities for excavation and survey on a significant scale should be taken whenever possible (Cooper 2006, 157);
- Medieval period, agrarian landscape: Can we shed further light upon the origins and development of the open-field system and its impact upon agricultural practices? (Knight et al 2012, 94);
- Post medieval period: Country houses and gardens: Identification and recording of gardens across region needs to be extended to identify further sites before they are destroyed (Cooper 2006, 233).

The resulting archive will be organised and retained until such time as a registered museum is able to accept the archive to facilitate access for future research and interpretation for public benefit (CIfA 2014a). An online OASIS form has been completed and will be ultimately submitted with the approved version of the report (OASIS ID: headland4-272519).

3. METHODOLOGY

In total 107 trenches, 50.00m long and 1.80m wide, were excavated within the PDA (Illus. 1 and 2a-d). The trenches were set out using a Trimble GNSS device and surveyed again after excavation to obtain their actual position. In agreement with the client and County Archaeological Advisor, trenches 043, 044, 063, 064 066, 069, 077 were extended to provide greater resolution on the features within. Several other trenches had to be moved to avoid remnant pipes, ecological zones or overhead power lines but the original alignment and spatial arrangement was preserved as far as possible.

A mechanical excavator equipped with a toothless ditching bucket was used to remove the overburden under direct archaeological supervision. Investigation of archaeological remains was undertaken through hand excavation. A representative sample, sufficient to meet the objectives of the evaluation, of identified or potential archaeological remains was investigated and recorded. The stratigraphy of each trench was recorded in full. Where appropriate, bulk soil samples were taken from features.

Fourteen test pits were excavated to investigate the alluvial deposits across the site for their potential to contain archaeology. These were excavated by machine with a toothless ditching bucket under archaeological direction to a maximum depth of 1.20m and positioned on the ends of existing trenches such that they would not remove any archaeology identified on top of the alluvial layers.

The auger survey consisted of ten points across the PDA, located using a Trimble GNSS device. A combination of Dutch head and gouge augers were used. Cores were extracted and described in the field using standard geological nomenclature. Any material suitable for further palaeoenvironmental analysis would have been subsampled and retained for further study.

3.1 Recording

All recording followed the guidance laid down by the Chartered Institute for Archaeologists (CIfA 2014b) and was in line with the approved WSI (Headland Archaeology 2017). All trenches and contexts were given a unique number. All recording was undertaken on pro forma recording sheets which conform to archaeological standards. All stratigraphic relationships were recorded.

A plan of the trenches and features across the entire site was recorded digitally using a Trimble GNSS device.

A full photographic record was taken using digital photography and incorporating black and white print photographs where appropriate. A metric scale was clearly visible in record photographs.

4. RESULTS

4.1 Introduction

Full context and trench descriptions, including dimensions, depths and orientations, are presented in Appendix 1. Contexts are identified numerically by trench (eg. Trench 001: (00101)) with cuts indicated by square brackets and deposits by rounded brackets. Selected technical detail is utilised below in order to describe the remains found and to inform the interpretation and dating that has been completed and presented in this report.

Archaeological remains were found in 54 trenches spread evenly across the site. Four trenches, 011, 012, 021 and 022, (Illus. 2a) flooded almost immediately upon excavation and were not investigated further. Fourteen geological test pits were excavated at the end of trenches across the site. No archaeology was located within these pits. Medieval and post medieval furrows were the most numerous feature type and were found across the PDA with a particular concentration at the west end of the central area. The east end of the PDA was characterised by few features and two likely paleochannels. The east end of the central area was defined by geological activity from rising gravel levels and straight sided ditches. The character of the west area is defined by three V shaped ditches and discrete small pits.

4.2 Prehistoric

Two parallel ditches, [06804] and [06806], orientated approximately north-south were located in Trench 068 (Illus. 3, 4 and 5). These were 0.50m and 0.57m wide with shallow U-shaped cuts filled with grey-brown silty-clay (06805) and (06807). Ditch [06804] was 0.40m deep and [06806] was shallower at 0.18m deep but both were below the level of the water table. No finds were recovered however industrial magnetic residue, indicative of burning was recovered from fill (06807).

In Trench 066 (Illus.6 and 7), a narrow straight ditch [06608], orientated north-northwest-south-southeast, was observed and excavated close to the western edge of the trench. It was 0.71m wide and 0.29m deep with steeply sloping sides and a flat base. It was filled with a yellow-brown silty-sand with pebble and gravel inclusions (06607). No finds were recovered however industrial magnetic residue, indicative of burning, was recovered from fill (06607). This ditch was cut through a thin red-brown silty-clay layer, found below the subsoil and interpreted as a remnant soil (06609). This was found in many trenches, particularly in the eastern end of the central areas and was checked to ensure it wasn't covering any other features.

Trenches 063 and 064 (Illus. 8 and 9) each contained ditches that share some characteristics and may be part of the same feature, though they are not precisely aligned. Ditch [06304] was vertical sided with a generally flat but uneven base. It had four fills (06305-06308) of fine grey-, red- and orange-brown silt and gravels. The basal fill (06308) was thin and largely confined to the eastern side, suggesting natural deposition, compared to the larger middle fills, (06306) and (06307) which may represent banks deliberately pushed in from each side. However, no evidence of remnant banks were visible in section and this could also be natural infill. No finds were found in ditch [06304] however magnetic residue was identified. In Trench 064, the ditch [06404] had similarly steep sides with an uneven base and had a rounded terminus. In places the sides were slightly undercut. This ditch was at least 0.63m in length, 0.49m wide and 0.40m deep. The fill (06405) was an orange-brown loamy-sand with gravel inclusions. Two prehistoric flint chips, undated abraded fired clay and magnetic industrial residue from burning activity were recovered from fill (06405).

Trenches 046 and 047 (Illus. 10 and 11) also had comparable, approximately north south aligned ditches. Ditches [04606] and [04707] had steeply sloping sides and uneven bases with sharp breaks of slope. Ditch [04606] was 0.46m wide and 0.19m deep and had a rounded uneven terminus whilst [04704] was at least 1.80m long, 0.42m wide and 0.27m deep. Both ditches had yellow sandy-loam fills, from which magnetic residues were recovered. Additionally, prehistoric lithics consisting of a secondary flint flake and two flint chips were found.

Close to the northern boundary a large ditch [03804], at least 3.2m long, 1.05m wide and 0.47m deep with a U-shaped cut was excavated in Trench 038 (Illus. 12 and 13). This ditch was orientated north-northwest-south-southeast and had two fills. The basal fill (03806) was a soft grey-orange clay and the upper fill (03805) was a compact grey clay. The fills had few inclusions although possibly prehistoric burnt sandstone and magnetic residues from fill (03805) may relate to deliberate burning in the vicinity.

In the west area, trench 002 (Illus. 14 and 15) contained two parallel ditches [00205] and [00210]. Both extended beyond the width of the trench; [00205] was 1.50m wide and 0.64m deep and [00210] was 0.5m wide and 0.24m deep. The top fills (00206) and (00209) were yellow-brown sandy-clays very similar in appearance to the geological substrate. This similarity meant that [00210] was only identified through further machine excavation and it's cut could only be fully observed in section where it was shown to be identical to [00205] in shape. The cuts were wide at the top with gently sloping breaks of slope with the sides becoming almost vertical at approximately half their depth and sharp breaks of slope at the base. The bases of both ditches were flat. The fills of ditch [00205] suggested it may have been clay lined. Lying along the centre of the base of [00205] was a root fragment. No other finds were recovered from ditch [00205] although magnetic residue was present in the sample. Undated, abraded fired clay was recovered from ditch [00210].

Ditch [01506] was orientated northwest-southeast and was at least 1.14m long, 1.03m wide and 0.85m deep. Similar to those in Trench 002, it also had sides with a gradual break of slope at the top and very steep slopes down to a flat base. The upper fill, (01504), was a loose yellow-brown silty-sand that was almost indistinguishable from the geological substrate. Only magnetic residue was recovered from the fills.

Also in Trench 015 (Illus. 2a), ditch [01508] was located to the south of [01506] on a similar but not parallel alignment. It was completely different in form as it was only 0.5m wide, 0.29m deep with steeply sloping sides and a concave base. It had a single fill (01507), of grey-brown clay from which no finds were recovered.

4.3 Medieval and post medieval

Furrows were the most numerous feature and where present, at least one from each trench was investigated and recorded. On average, they were 0.50m wide and 0.10m deep with a shallow concave profile. They were orientated north-northwest, south-southeast and spaced approximately 3.50m apart.

The single fills were red-brown silty-clays. In Trench 025 (Illus. 16 and 17) the furrows had two or three fills resulting from an initial silting and a later infill of silty-clay with a high volume of charcoal fragments and red burnt clay (Illus 17).

In Trenches 104 (Illus. 2b) and 106 (Illus. 18 and 19) were two parallel east-west orientated furrows approximately 5.00m apart with no features between them. They appeared to form a boundary to the furrows found extending to the north and south of them and sections dug through this confluence suggested that they were concurrent. Their form is indicative of a headland or furlong boundary.

On the same alignment, narrower furrows of only 0.30m wide and with a squarer profile, were identified between the wider furrows in most trenches. The wider furrows are consistent with the remnants of a medieval or post-medieval ridge and furrow system whereas these narrower furrows probably represent a later more refined ploughing technique, of pre- or early mechanised, farming in the 19th and early 20th century.

4.4 Geological and/or features of a natural origin

At the eastern end of the site, within Trench 089, a shallow and ephemeral linear feature [8904], orientated east-west was identified (Illus 20). It had an average width of 1.70m and depth of 0.16m. The sides were steeper on the south side than the north and the base was undulating as if formed by water action. There was a single fill, (8905), consisting of a mid orange-brown silty-sand. A single fragment of post-medieval glazed pottery was recovered. This feature had been truncated by a furrow but had no further evidence of function and is tentatively recorded as a palaeochannel.

Towards the eastern end of the central area, changes in the geology were observed, most notably the increase in gravel. This was captured in Trench 074 (Illus. 2d and 21) on the excavation of what appeared to be a ditch cut through the geological substrate with a pebble and gravel dense brown-yellow clay fill. In section, this was exceptionally straight sided and very deep, beyond 1.20m. The extended section revealed multiple gravel deposits that cannot be explained by human intervention or natural silting as might occur in an open ditch. Instead, these deposits share characteristics with peri-glacial geological activity and non-flashy braided river systems and are comparable to deposits found downstream within the Nene valley (Brown in Briant and Langford *et al* 2004, 44-58; Brown 1997, 26, 193-194; Langford in Briant and Langford *et al* 2004, 36-43).

Summary drawn from the Geoarchaeological Assessment (Appendix VII)

Hand coring of superficial deposits demonstrated fine-grained, inorganic alluvium over-lying sub-alluvial gravels to a depth of 1-1.50m that are typical of lowland valley floors in Britain (Illus. 22). This alluviation is usually late Prehistoric in date, but in the Nene valley soil erosion from the late Saxon and Medieval period may have been a significant factor. The upper part of the alluvium has been significantly altered by the addition of human effluent, adding an organic component and elevating the metal levels.

Analysis of geotechnical records suggest that organic remains with dating potential may be preserved within the sub-alluvial gravels. Given the likely age of the terrace and sub-alluvial gravels, there is potential for Upper Palaeolithic evidence to survive at or near the surface. Lower and Middle Palaeolithic have been recorded from these gravels though there is low potential for *in-situ* finds due to the inter-glacial recycling of material.

4.5 Finds

by Julie Franklin, Amy Koonce, Paul Blinkhorn and Julie Lochrie

The finds assemblage numbered four sherds (21g) of pottery, 886 sherds (873g) of ceramic building material, 382g of industrial waste, 16 finds of lithics, four of course stone, and four of glass. These were found in 27 separate trenches. The earliest finds are prehistoric; the medieval, post-medieval and modern periods are also represented. The finds are summarised by feature in Table 1, a complete catalogue is given at the end.

Trench	Feature	Pottery (Medi)	Pottery (Medi)	Pottery (PM)	Pottery (PM)	Lithics	Stone	CBM	CBM	Ind Waste	Glass	Spot Date
		Count	Wgt	Count	Wgt	Count	Wgt	Count	Wgt	Wgt	Count	
-	U/S	2	14g									Medi
001	geological substrate 0103			1	5g							PM

Trench	Feature	Pottery (Medi)	Pottery (Medi)	Pottery (PM)	Pottery (PM)	Lithics	Stone	CBM	CBM	Ind Waste	Glass	Spot Date
		Count	Wgt	Count	Wgt	Count	Wgt	Count	Wgt	Wgt	Count	
-	U/S	2	14g									Medi
002	ditch 0210							17	<0.5g			?
002	linear 0205									<0.5g		?
003	pit 0304					2						PH?
006	pit 0604							13	2g			?
006	U/S					1						PH?
015	ditch 1506									<0.5g		?
020	subsoil 2002					1						PH?
022	subsoil 2202					1						PH?
023	ditch 2308					1				1g		PH?
025	ditch 2509							325	64g	27g		?
025	furrow 2504							70	281g	53g		?
036	ditch 3604									4g		?
037	U/S					1						PH?
038	linear 3804						104g			<0.5g		?
039	pit 3905							77	43g	73g		?
040	surface 4004							21	1g	3g		?
046	ditch 4606					3				7g		PH?
047	ditch 4704									17g		?
051	surface burning 5104							29	12g	23g		?
058	U/S					1					4	PH?
063	ditch 6304									19g		?
064	ditch 6404					2		1	<0.5g	24g		PH?
066	burning area 6604							250	445g	65g		?
066	ditch 6608									2g		?
066	U/S						59g					?
068	ditch/water channel 6806									<0.5g		?
077	pit 7704							75	21g	55g		?
086	post-hole 8604					1				1g		PH?
086	post-pipe 8606							8	4g	5g		?
089	linear 8904			1	2g							PM
105	U/S					1						PH?
107	furrow 10705					1				3g		PH?
Total		**2**	**14g**	**2**	**7g**	**16**	**163g**	**886**	**873g**	**382g**	**4**	

Table 1 – Summary of finds assemblage by feature with spot dating

Medieval to post-medieval pottery

The assemblage numbered four sherds (21g). The range of fabric types is typical of sites in the region (Table 2). They could all conceivably be residual, as the sherds are all fairly small and/or abraded, and are the product of secondary deposition.

Fabric Code	Fabric	Dating	Sherds	Weight
F324	Brill/Boarstall Ware	13th-16th	1	3g
F329	Potterspury Ware	1250-1600	1	11g
F407	Red Earthenware	1550-1600	1	5g
F413	Manganese Glazed Ware	1680-1750	1	2g
Total			**4**	**21g**

Table 2. Medieval to post-medieval pottery type series (fabric types identified in accordance with the Northamptonshire County Ceramic Type-Series, CTS)

Glass

Four fragments of glass were found unstratified in Trench 058. They all derived from the neck of the same green wine bottle of a form typologically datable to *c* 1770–1800.

Lithics

A small assemblage totalling 16 pieces was scattered across 12 trenches. They suggest prehistoric activity in the vicinity though are too scant to identify a focus for this activity.

The debitage has no easily datable characteristics. There is one core and a burnt core trimming blade both unstratified from trenches 037 and 006 respectively. No accompanying debitage is associated with these so it is not clear if this represents on-site knapping. Two tools comprise a miscellaneous edge retouched flake and a distal end scraper. The scraper is characteristic of the Neolithic period and is the only datable piece in the assemblage. It was found unstratified in trench 058.

In two instances (ditch [2306] and post-hole [8604]), the lithic finds took the form of small potlid fractures. Potlid fractures are small circular fragments that detach from flint when it is heated. The original form of these cannot be discerned but they are indicative of burning.

Stone

Some natural but burnt sandstone from linear [3804] and unstratified from trench 066 was retained to establish if they relate to deliberate fires.

Ceramic building material

This consisted of 873g of small abraded fragments of fired clay. These were scattered among 15 different features with the largest concentrations being in trenches 025 (345g, with 281g of this deriving from furrow [2504]) and 066 (all from burnt area [6604]). There are no diagnostic pieces to indicate function and they may derive from burnt wattle and daub structures, hearths, ovens, kilns, furnaces or pit linings. They cannot be closely dated.

Industrial waste

These were 382g of magnetic residues retrieved from sample retents. These appeared to be entirely made up of magnetised gravel, with no signs of hammerscale or other metalworking remains. They are indicative of burning in the vicinity. The largest concentrations were found in pits [3905] (73g) and [7704] (55g) as well as burnt area [6604] (65g) and furrow [2504] (53g). The latter two features also contained quantities of fired clay (see **Ceramic building material** above).

Discussion

The earliest finds on site are probably the lithics. One of these can be dated to the Neolithic period, though was unstratified. The others may be of similar or different prehistoric date. Three are potentially in situ in post-hole [8604] and pit [0304] by virtue of these features containing no later finds, though the finds are few and undistinctive and it is far from certain that they date these features.

There is much evidence for burning on site, in the form of fired clay, magnetised gravel, burnt stone and burnt flint. These are particularly noted in burnt area [6604], furrow [2504], linear [3804] and pit [3905]. None of these features contain datable finds.

The medieval, post-medieval and modern periods are represented only by a handful of pottery and glass sherds. Only one of these was found within a feature, linear [8904] but is so small that it may be intrusive and does not necessarily date this feature. Activity in these periods seems to have been low level, possibly just agricultural.

Archive recommendations

The assemblage is small and of limited archaeological value. Some finds point towards prehistoric activity but are likely to be residual. Clearly there have been phases of burning but these require dating evidence to ascertain their significance. The medieval and later material is of no further value. Should further fieldwork be undertaken in the area or further dating evidence be forthcoming, then the

assemblage should be re-evaluated in this light. As it stands, it is of very little further value and could be discarded.

4.6 Environmental Report

Introduction

Thirty-nine samples, ranging in size from 0.2 to 80 litres, were recovered during archaeological works at Great Billing Sand and Gravel Extraction and Restoration, Northampton. The samples were from the various fills of pits, ditches and post-holes and ranged in date from the Late Prehistoric to modern. The aims of the assessment were to assess the presence, preservation and abundance of any environmental remains and to determine the potential of the material in indicating the character and significance of the deposit.

Method

Bulk samples were subjected to flotation in a Siraf-style flotation machine. The floating debris (the flot) was collected in a 250mm sieve and once dry, scanned using a binocular microscope. Any material remaining in the flotation tank (retent) was wet-sieved through a 1mm mesh and air-dried. All samples were scanned using a stereomicroscope at magnifications of x10 and up to x100. Identifications, where provided, were confirmed using modern reference material and seed atlases including Cappers *et al.* (2006) and Zohary *et al*. (2012) nomenclature for wild taxa follows Stace (1997).

Waterlogged samples were processed using the methods outlined in Kenward *et al*. (1980). Samples were scanned using a low power stereomicroscope at x10-45 magnification. Relative abundance measures were used for 'seeds', leaf fragments, stems, plant epidermis and wood fragments. Identifications, where provided, were confirmed using modern reference material and seed atlases including Cappers *et al.* (2006) and Zohary *et al*. (2012) nomenclature for wild taxa follows Stace (1997). Faunal remains were examined under low magnification and, as far as possible, identified to species and skeletal element, using modern reference material and with reference to Schmid (1972), and Hillson (1992). Measurements are taken as per von den Dreisch (1976). Ageing criteria were recorded using various methods outlined in Amorosi (1989). Fragments were recorded together with their weight and level of preservation and included any signs of butchery or modification.

Results

Results of the assessment are presented in Appendices 6 (Flotation samples), 7 (Retent Samples) and 9 (Hand collected bone). Suitable material for AMS (Accelerated Mass Spectrometry) radiocarbon dating is also identified in each table.

Cereals

The preservation of cereal grain was generally very poor with the majority highly vesicular and consistent with charring at high temperatures. As a result, it was not possible to identify all specimens to species level. Cereal grain was recovered from 4 contexts spanning 4 excavation areas (Appendix 6). Species present included bread/club wheat (*Triticum c.f. aestivo-compactum*) and potentially also barley (cf. *Hordeum* sp.).

Other charred plant remains

A number of charred 'weed seeds' (here used to include seeds, fruits, etc.) were observed in nine contexts across eight areas. Taxa present included grape pips (*Vitis vinifera)* from two contexts, (2305) and (3904), swollen stem fragments of onion couch (*Arrhenatherum elatius* var. *bulbosum*) which was observed in four contexts, (3904), (5104), (6306) and (7706), grass 'seeds' < 2 mm (*Poaceae*) which was observed in two contexts; (3805) and (4004), and what is thought to be a fruit stone which was observed in five contexts, (3904), (4004), (4705), (5104) and (8607).

Wood Charcoal

Wood charcoal was present in 39 contexts spanning all excavation areas, of those only eleven contexts produced charcoal of a size sufficient for identification and/or Accelerated Mass Spectrometry (AMS) dating (Appendices 6 and 7). A small amount of round wood was recovered from context (3904) of a sufficient size for identification.

Waterlogged plant remains

Preservation by waterlogging was seen in three contexts from Trench 25 (Appendix 8); contexts (2511) 2nd fill of Ditch [2509], (2505) 1st fill of Furrow [2504 and (2513) 1st fill of recut [2512]. These assemblages were dominated by epidermal and vascular material as well as degraded small-diameter woody fragments. These indicate the presence of quantities of leaf and stem tissue primarily from dicotyledonous plants (ie. not grasses, sedges). Taxa identified from the 'seeds' included; goosefoot (*Chenopodium* sp.), knotweeds (*Polygonum* sp.), sedges (*Carex* sp.), brambles (*Rubus* sp.), buttercups (*Ranunculus* sp.), stitchworts (*Stellaria* sp.) and nightshades (*Solanum* sp.)

There was no evidence for domestic or food species such as cereal bran so the assemblage appears to be largely natural. There was no specific evidence for aquatic species and the impression is that much of the vegetative martial (eg. leaves) derived from wind blow or material falling in from the banks and immediate vicinity of the ditch.

Faunal remains

Two contexts produced a very small quantity of animal bone. Context (0305) contained one unidentified unburnt bird bone fragment which weighed 0.9g. There were no markings visible on the bone. The second context (6306) produced one rib fragment from a medium size mammal. The fragment was unburnt and weighed 6.5g. There is some evidence of butchery on the bone however the poor condition prevents further comment.

Other biological remains

Uncharred root fragments, worm eggs and insect remains were common throughout the sampled contexts. Uncharred roots were recovered from all but one of the contexts and worm eggs and insect remains were observed in under half. The condition and character of these indicate that they are modern in origin.

Discussion

The small cereal assemblage does not offer any significant information relating to site economy other than possible crop choices. Once incorporated into negative features charred remains tend to survive well but, as in this case, their inclusion is often incidental and the materials have no direct relationship to the features themselves. The most significant remains were single grape pits from two separate contexts. These do perhaps point to a Romano-British date for the site although in themselves do not offer clues about whether they were from imported dried fruit or locally grown vines.

The waterlogged plant assemblage was predominantly composed of epidermal and vascular material as well as degraded woody fragments that would be consistent with a natural build-up of organic material such as wind-blown leaves and other material from the immediate vicinity of the ditch. The apparent lack of food remains such as cereal bran as well as an absence of common aquatic species discounts the presence of settlement waste or significant *in situ* growth in the waterlogged ditch bottom. The species identified from their 'seeds' indicate disturbed, nitrogen-rich sediments that are likely to have developed close to this ditch which evidently lay, in part at least, below the water table. While further analysis of the botanical remains from these could potentially provide detailed information about the immediate environment of the ditch it is unlikely to offer any significant insight into the broader environment and may be of limited value in the interpretation of the site.

It was not possible to determine with certainty the presence of domesticates in the faunal assemblage. Aside from suggesting the presence of animals the assemblage does not offer any detailed information pertaining to site economy.

The paucity of remains precludes any further analysis.

5. DISCUSSION

5.1 Quality of preservation

There were relatively few remains identified compared to the size of the site. These were relatively well preserved in that their form was intact and recognisable. A high density of ploughing had taken place across the site since the medieval period and this had truncated the alluvium and the top of many features, such as the possible post holes in Trench 023, which had been reduced to shallow bases only. Larger, deeper features such as the ditches were affected to a lesser extent.

Flooding appears to have had a minimal impact on the features found, with eroded breaks of slope at the tops of ditches observed and undulating bases seemingly resulting from water action. However, this observation may relate to their function, which is not currently definable. The water table varied across the site but did not affect preservation. Waterlogging may aid preservation below the level of the alluvium but this could not be determined from this evaluation.

The processes associated with the sewage works are not known in detail but these, in conjunction with recent ploughing have replaced or altered the topsoil and subsoil such that it can be considered modern. It is not known if there has been any impact into the alluvium. Similarly, there are potential impacts to preservation arising from the canalisation of the river Nene to prevent flooding and enable industry. These were not identified within the evaluation trenches and any such impacts remain unknown.

5.2 Efficacy of other investigative methods used at the site

The initial site investigations included a geophysical survey and a review of the HER data. Within the PDA the geophysical survey highlighted multiple large anomalies of possible archaeological origin. The majority of these were not realised within the trenches with only some intermittent correlation between linear anomalies and the ditches. Disturbance from former activities related to the sewage works may have been a factor in producing the anomalies.

The HER data highlighted two areas where cropmarks alluded to possible prehistoric enclosures in the vicinity of Trenches 068, 069 and 077. Although two parallel ditches were found in Trench 068 and a pit in 077, these features did not amount to enclosures and the cropmarks are therefore not of archaeological origin.

One hundred and seven trenches evaluated the area with more than half not containing any archaeology. This indicates that the presence or survival of features is sparse in this area at the top of the alluvium. Adding test pits onto the end of 13 trenches to assess the archaeological potential of the alluvium, and the gravels below if reached, to a depth of 1.20m was not adequate to assess and area of this size. Similarly, the auger survey tested ten points close to the centre of the site. These combined methods were sufficient to summarise the geology and alluvial material and make informed conclusions on the archaeological potential. Further work would have provided greater detail but is not required to meet the aims and objectives of the evaluation.

5.3 Summary of remains by Period

Prehistoric activity

Indications of prehistoric activity were given by the few flint artefacts, all but one of which were undated and undiagnostic. The majority were also not found in situ. They are not a reliable source to date any feature which they were found in or near. In addition, all the features were dug through the top of the alluvium and the alluvial inundation is considered to be geologically late, from the late Prehistoric and early medieval periods onwards.

Medieval Activity

Flora analysis from along the Nene valley indicates that the floodplain was cleared of woodland and utilised for agriculture. It seems likely that all the ditches are related in some way to this use, perhaps as land division or drainage, especially as the majority are orientated from higher ground towards the river. Agricultural activity is demonstrated by the high density of furrows and ploughing observed. The widely spaced shallower U-shaped furrows are indicative of medieval ridge and furrow with a headland of furlong boundary hinting at land division in Trenches 104 (Illus. 2b) and 106 (Illus.21).

The upper fills of the furrows in Trench 025 (Illus.19), and to a lesser extent Trench 026 (Illus. 2b), were visibly full of fired clay whilst many of the samples from upper ditch fills recovered magnetised material indicative of burning. This must have been either a widespread event across the site or a repeated activity whilst the open medieval furrows were part of the landscape.

Post Medieval to Modern Activity

This is followed by straighter, narrower furrows placed closer together, including over old ridges, showing a more refined technique and possibly mechanised ploughing. Modern plough scars were seen in most trenches, completing the agricultural picture.

6. CONCLUSION

Ditches and furrows form the majority of the archaeological features found at Great Billing Sand and Gravel Extraction and Restoration. They point to a sustained period of agricultural activity before and after the utilisation of the fields for processing sewage. No evidence of archaeological remains was found in the lower alluvial deposits however, the test pits did identify the scale of geological activity that has occurred and this may have impacted on the survival of archaeology on this site.

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Appendix I – Trench and Context Summary

Trench Number	001		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.50m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.70m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
0101	Topsoil. Dark brown-grey loam				0.35m
0102	Subsoil. Mid brown-grey sandy-clayey silt				0.05m
0103	Geological substrate. Dark greyish-yellow alluvial clays				0.40m
0104	Redeposited topsoil of modern farm track at west end of trench 001		3.00m		0.34m
0105	Redeposited geological substrate of modern farm track at west end of trench 001		3.00m		0.15m

Trench Number	002		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.40m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.60m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
201	Topsoil. Dark brown-grey loam				0.37m (average)
0202	Geological substrate. Dark yellow sandy alluvial clay mottled with frequent manganese				>0.37m
0203	Cut of pit	1.24m			0.31m
0204	Fill of [0203] light grey silty-clay	1.24m			0.31m
0205	Cut of ditch		>2.20m	1.50m	0.64m
0206	Top fill of [0205] yellow-brown fine sandy-clay		>2.20m	1.50m	0.47m
0207	Fill of [0205] mid grey silty-clay mottled with yellow-brown fine sandy-clay		>2.20m	0.55m	0.40m
0208	Primary fill of [0205] light grey silty-clay		>2.20m	0.40m	0.14m
0209	Fill of ditch [0210] grey-brown sandy-clay		0.60m	0.50m	0.24m
0210	Cut of ditch		0.60m	0.50m	0.24m

Trench Number	003		
Length	51.00m	**Width**	2.10m
Minimum Depth to Geological Deposit/level of archaeological significance	0.48m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.39m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
0301	Topsoil. Friable dark greyish-brown clayey-silt				0.32m
0302	Subsoil. Friable mid greyish-brown clayey-silt				0.13m
0303	Geological substrate. Mid orange-brown fine sand and plastic silty-clay				>0.45m

0304	Cut of pit		0.37m	0.39m	0.04m
0305	Fill of pit [0304]		0.37m	0.39m	0.04m

Trench Number	004		
Length	50.00m	**Width**	2.10m
Minimum Depth to Geological Deposit/level of archaeological significance	0.40m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.40m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
0401	Topsoil. Friable dark greyish-brown clayey-silt.				0.27m
0402	Subsoil. Friable mid greyish-brown clayey-silt.				0.13m
0403	Geology. Friable mid yellowish-brown clayey-silt.				>0.40m

Trench Number	005		
Length	47.50m	**Width**	2.20m
Minimum Depth to Geological Deposit/level of archaeological significance	0.30m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.48m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
0501	Topsoil. Friable dark greyish-brown loam.				0.30m
0502	Subsoil. Friable mid greyish-brown sandy-clay.				0.14m
0503	Geology. Plastic mid yellowish-brown sandy-clay.				>0.44m
0504	Fill of ditch [0505] greyish-brown silty-clay		1.05m	0.63m	0.30m
0505	Cut of ditch		1.05m	0.63m	0.30m

Trench Number	006		
Length	50.00m	**Width**	2.10m
Minimum Depth to Geological Deposit/level of archaeological significance	0.30m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.42m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
0601	Topsoil. Friable dark greyish-brown loam.				0.19m
0602	Subsoil. Friable mid greyish-brown sandy-clay.				0.17m
0603	Geology. Light yellowish-brown sandy-clay				>0.36m
0604	Cut of oval pit		0.62m	0.33m	0.45m-0.56m
0605	Fill of [0604]		0.62m	0.33m	0.45m-0.56m
0606	Furrow		1.00m	1.53m	0.27m

Trench Number	007		
Length	50.00m	**Width**	2.10m

Minimum Depth to Geological Deposit/level of archaeological significance	0.44m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.56m

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth
0701	Topsoil. Dark brown-grey loam				0.32m (average)
0702	Subsoil. Uneven mid grey sandy-silt				0.08m
0703	Geological substrate. Dark greyish-yellow with mottled brown areas of alluvial clays				>0.40m

Trench Number	008		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.40m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.51m

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth
0801	Topsoil. Dark brown-grey loam				0.36m (average)
0802	Subsoil. Irregular mid grey sandy-silt.				0.04-0.10m
0803	Geological substrate. Light yellowish-grey, mottled with light brown, alluvial clay.				>0.40m

Trench Number	009		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.50m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.57m

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth
0901	Topsoil. Dark brown-grey loam				0.36m
0902	Subsoil. Uneven and irregular grey-brown sandy-silt				0.12m
0903	Geological substrate. Dark greyish-yellow alluvial clay.				0.40m

Trench Number	010		
Length	51.00m	**Width**	2.10m
Minimum Depth to Geological Deposit/level of archaeological significance	0.46m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.50m

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth
1001	Topsoil. Friable dark greyish-brown loam.				0.46m

1002	Geological substrate. Plastic mid orange-brown clayey-silt.				>0.46m

Trench Number	011		
Length	49.50m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.28m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.42m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
1101	Topsoil. Dark greyish-brown loam				0.34m
1102	Geology. Mid yellowish-brown clayey-sand				>0.34m

Trench Number	012		
Length	50.00m	**Width**	2.20m
Minimum Depth to Geological Deposit/level of archaeological significance	0.50m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.60m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
1201	Topsoil. Soft dark grey-black loam.				0.40m
1202	Subsoil/Interface layer. No defined subsoil but dirty orange black clayey-silt found impacted on to top of geological substrate				0.02m
1203	Geological substrate. Firm yellow-orange alluvial silty-clay with occasional small gravel inclusions – varies in level and areas can be quite soft				>0.42m

Trench Number	013		
Length	50.00m	**Width**	2.10m
Minimum Depth to Geological Deposit/level of archaeological significance	0.32m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.50m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
1301	Topsoil. Friable dark greyish-brown loam.				0.41m
1302	Geological substrate. Firm mid orange-brown sandy-clay				0.41m

Trench Number	014		
Length	50.00m	**Width**	2.10m
Minimum Depth to Geological Deposit/level of archaeological significance	0.51m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.55m

	Description (Layer, Cut, Fill)	**Dimensions (as appropriate)**

Context No		Diameter	Length	Width	Depth
1401	Topsoil. Friable dark greyish-brown loam.				0.33m
1402	Subsoil. Mid greyish-brown clayey-silt.				0.18m
1403	Geological substrate. Mid orangey-brown fine sandy-silt.				>0.51m

Trench Number	015		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.50m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.55m

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth
1501	Topsoil. Dark brown-grey loam				0.32m
1502	Subsoil. Mid brown-grey sandy-silt.				0.08m
1503	Geological substrate. Dark orange-yellow sand. Slightly clayey at south becoming more clayey at northern end				>0.40m
1504	Fill of ditch [1506] loose yellow-brown silty-sand		1.14m	1.03m	0.37m
1505	Fill of ditch [1506] greyish-brown silty-clay		1.14m	1.03m	0.48m
1506	Cut of ditch		1.14m	1.03m	0.85m
1507	Fill of ditch [1508] greyish-brown clay		0.72m	0.50m	0.29m
1508	Cut of ditch		0.72m	0.50m	0.29m

Trench Number	016		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.53m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.57m

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth
1601	Topsoil. Thick dark brown-grey loam				0.36m
1602	Subsoil. Mid Brown grey clayey silt				0.14m
1603	Geological substrate. Dark yellow-orange alluvial clays. Becoming more yellow and sandier towards north end.				>0.50m
1604	Cut of Ditch		0.40m	1.02m	0.29m
1605	Fill of Ditch [1604]		0.40m	1.02m	0.29m

Trench Number	017		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.46m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.50m

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth
1701	Topsoil. Dark brown-grey clayey-silty				0.34m

1702	Subsoil. (Ephemeral) Very thin mid grey-brown sandy clayey-silt				0.06m
1703	Geological substrate. Light orange-brown alluvial clays. Becomes yellower towards northern end				>0.40m

Trench Number	018		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.42m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.50m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
1801	Topsoil. Dark brown grey loam				0.32m
1802	Subsoil. Thin dark/mid brownish grey clayey silt				0.10m
1803	Geological substrate. Dark yellowish orange alluvial clays				>0.42m

Trench Number	019		
Length	50.50m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.46m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.57m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
1901	Topsoil. Dark brown-grey loam				0.30m (average)
1902	Subsoil. Mid brown-grey clayey-silt. Very irregular				0.10m (average)
1903	Geological substrate. Mid/light yellowish-brown alluvial clays				>0.40m

Trench Number	020		
Length	50.50m	**Width**	2.10m
Minimum Depth to Geological Deposit/level of archaeological significance	0.45m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.55m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
2001	Topsoil. Friable dark greyish-brown loam. Friable				0.26m
2002	Subsoil. Friable mid greyish-brown clayey-silt.				0.19m
2003	Geological substrate. Plastic mid orange sandy-clay. No inclusions				>0.45m
2004	Cut of Furrow		2.10m	0.70m	0.57m
2005	Fill of furrow [2004]		2.10m	0.70m	0.57m

Trench Number	021	

Length	50.00m	**Width**	2.10m
Minimum Depth to Geological Deposit/level of archaeological significance	0.46m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.50m

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth
2101	Topsoil. Dark greyish brown silty sandy clay, loose				0.33m
2102	Subsoil. Mid Greyish brown silty clay				0.14m
2103	Geological substrate. Orangish brown light silty clay, waterlogged				>0.47m

Trench Number	022		
Length	50.00m	**Width**	2.10m
Minimum Depth to Geological Deposit/level of archaeological significance	0.33m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.45m

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth
2201	Topsoil. Friable dark greyish-brown loam				0.14m
2202	Subsoil. Friable mid greyish-brown sandy-clay				0.25m
2203	Geological substrate. Plastic mid orange-brown fine sandy-clay. No inclusions and large areas of light brown-yellow clayey-sand				>0.39m

Trench Number	023		
Length	50.00m	**Width**	2.10m
Minimum Depth to Geological Deposit/level of archaeological significance	0.40m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.60m

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth
2301	Topsoil. Dark greyish brown clayey silt. Friable				0.34m
2302	Subsoil. Mid Greyish brown silty clay. Friable				0.16m
2303	Geological substrate. Mid orangey brown fine sandy clay mottled with grey				>0.50m
2304	Post Hole. Dark grey silty clay		0.30m	0.30m	0.55m
2305	Fill of posthole [2304]		0.30m	0.30m	0.55m
2306	Cut of Furrow		0.90m	1.10m	0.65m
2307	Fill of Furrow [2306]		0.90m	1.10m	0.65m
2308	Cut of ditch		0.90m	0.40m	0.95m
2309	Fill of ditch [2308]		0.90m	0.40m	0.95m
2310	Cut of plough scar		0.90m	0.40m	0.56m
2311	Fill of plough scar [2310]		0.90m	0.40m	0.56m
2312	Cut of posthole		0.30m	0.30m	0.55m
2313	Fill of posthole [2312]		0.30m	0.30m	0.55m
2314	Cut of posthole		0.23m	0.25m	0.55m
2315	Fill of posthole [2314]		0.23m	0.25m	0.55m
2316	Cut of Posthole		0.29m	0.30m	0.55m
2317	Fill of posthole [2316]		0.29m	0.30m	0.55m

2318	Cut of posthole		0.30m	0.30m	0.60m
2319	Fill of posthole [2318]		0.30m	0.30m	0.60m

Trench Number	024		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.32m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.44m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
2401	Topsoil. Dark brown-grey loam				0.35m (average)
2402	Geological substrate. Dark yellow, slightly mottled, light grey sandy-silty alluvial clays. Moderate manganese flecking				>0.40m

Trench Number	025		
Length	49.50m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.35m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.45m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
2501	Topsoil. Dark grey brown loam				0.35m (average)
2502	Subsoil. Uneven & irregular barely present in parts. Mid/Dark grey sandy clayey silt. Barely any clay				0.10m (average)
2503	Geological substrate. Mid to light reddish yellowish brown mottled silty clay				>0.45m
2504	Cut of furrow		2.10m	0.50m	0.15m
2505	1st fill of [2504]		2.10m	0.50m	0.08m
2506	2nd fill of [2504]		2.10m	0.50m	0.06m
2507	Upper of fill of [2504]		2.10m	0.30m	0.06m
2508	2nd subsoil dark grey brown silty sandy clay		50.00m	2.10m	0.05-0.15m
2509	Cut of ditch/furrow		2.00m	1.00m	0.80m
2510	1st fill of ditch [2509]		2.10m	0.70m	0.80m
2511	2nd fill of ditch [2509]		2.10m	0.35m	0.70m
2512	Recut on the [2509]		2.10m	0.75m	0.78m
2513	1st fill of recut [2512]		2.10m	0.75m	0.78m
2514	2nd upper fill of recut [2512]		2.10m	0.55m	0.60m

Trench Number	026		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.48m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.52m

	Description (Layer, Cut, Fill)	**Dimensions (as appropriate)**

Context No		Diameter	Length	Width	Depth
2601	Topsoil. Loose and soft dark grey-brown loam.				0.35m (average)
2602	Subsoil. Soft dark to mid brown-grey sandy-silt				0.15m (average)
2603	Geological substrate. Dark orange-yellow alluvial silty-clay				>0.40m
2604	Fill of furrow [2605] greyish-orange silty-clay		1.90m	0.80m	0.15m
2605	Cut of furrow mottled		1.90m	0.80m	0.15m

Trench Number	027		
Length	50.00m	Width	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.40m	Maximum Depth to Geological Deposit/level of archaeological significance	0.45m

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth
2701	Topsoil. Dark grey-brown loam. Barely any inclusions except small stones and detritus				0.32m (average)
2702	Subsoil. Uneven and irregular and patchy dark to mid grey sandy-silt. Barely any inclusions.				0.12m (average)
2703	Geological substrate. Mid brownish-yellow, slightly greyish in parts, silty alluvial clays				>0.44m
2704	Fill of furrow [2705] dark loose silty-sand		0.72m	0.71m	0.10m
2705	Cut of furrow		0.72m	0.71m	0.10m
2706	Fill of furrow [2706] loose dark greyish silty-sand		0.63m	0.55m	0.19m
2707	Cut of furrow		0.63m	0.55m	0.19m

Trench Number	028		
Length	50.20m	Width	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.45m	Maximum Depth to Geological Deposit/level of archaeological significance	0.55m

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth
2801	Topsoil. Dark brown-grey loamy-silt. Barely any inclusions				0.36m (average)
2802	Subsoil. Mid brown-grey sandy-silt				0.18m (average)
2803	Geological substrate. Various shade of dark orange-yellow silty alluvial clays with occasional patches of sand and gravel and occasional large pebbles (0.06m x 0.13m)				>0.54m
2804	Fill of furrow [2505] greyish-brown silty-clay		0.80	0.71	0.10m
2805	Cut of furrow		0.80	0.71	0.10m

Trench Number	029		
Length	50.00m	Width	2.00m

Minimum Depth to Geological Deposit/level of archaeological significance	0.48m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.52m

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth
2901	Topsoil. Soft and loose dark brown-grey loam				0.37m
2902	Subsoil. Soft mid dark-grey clayey-silt				0.08m
2903	Geological substrate. Dark yellow silty alluvial clays with mottled red-orange sand in parts.				>0.45m
2904	Fill of furrow [2905] dark greyish-brown clay		0.81m	0.72m	0.10m
2905	Cut of furrow		0.81m	0.72m	0.10m

Trench Number	030		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.45m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.55m

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth
3001	Topsoil. Dark brown clayey-silt				0.30m
3002	Thin Subsoil. Inconsistent sandy-clayey silt				0.10m
3003	Geological substrate. Light grey-yellow silty alluvial clays				>0.40m
3004	Fill of furrow [3005] grey-brown clayey-sand		1.00m	0.51m	0.17m
3005	Cut of furrow.		1.00m	0.51m	0.17m

Trench Number	031		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.39m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.51m

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth
3101	Topsoil. Dark brown/grey loam. Very little inclusions, loose and soft				0.30m (average)
3102	Subsoil. Thin mid grey, irregular and absent in places				0.09-0.21m
3103	Geological substrate. Dark orange yellow sandy clayey silt. With occasional patches of gravel and alluvium				>0.51m
3104	Cut of ditch		0.57m	0.80m	0.22m
3105	Fill of ditch [3104] red-brown silty-loam		0.57m	0.80m	0.22m

Trench Number	032		
Length	50.00m	**Width**	2.20m
Minimum Depth to Geological Deposit/level of	40.00m	**Maximum Depth to Geological Deposit/level of**	50.00m

archaeological significance		**archaeological significance**	

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth
3201	Topsoil. Loose grey-brown loamy silt				0.25m
3202	Subsoil. Soft brown-grey clayey-silt				0.20m
3203	Geological substrate. Firm brown-yellow clayey-silt with occasional grey friable areas				>0.45m

Trench Number	033		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.30m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.42m

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth
3301	Topsoil. Dark brown grey loam. Loose and soft with few inclusion				0.30m (average)
3302	Subsoil. Thin, uneven irregular dark to mid brown-grey clayey-silt. Very few inclusions				0.12m (average)
3303	Geological substrate. Compact mid orange-grey yellow silty alluvial clay.				>0.42m
3304	Cut of ditch		0.81m	0.62m	0.14m
3305	Fill of ditch [3304], orange-brown sandy-clay		0.81m	0.62m	0.14m

Trench Number	034		
Length	50.00m	**Width**	2.20m
Minimum Depth to Geological Deposit/level of archaeological significance	0.40m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.50m

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth
3401	Topsoil. Loose, dark grey-brown loam				0.25m
3402	Subsoil. Friable brown grey slightly clayey-silt				0.20m
3403	Geological substrate. Soft or occasionally friable yellow-brown clayey-silt with grey clay and gravel inclusions				>0.45m

Trench Number	035		
Length	48.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.30m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.36m

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth
3501	Topsoil. Dark greyish-brown loam				0.30m
3502	Subsoil. Mid grey clayey-silt				0.06m
3503	Geological substrate. Mid orange brown clay				>0.36m

Trench Number	036		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.46m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.55m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
3601	Topsoil. Loose dark brown-grey silty-loam				0.35m
3602	Subsoil. Light/mid grey clayey-silt				0.20m (average)
3603	Geological substrate. Dark orange mottled with grey-yellow alluvial silty-clay.				>0.55m
3604	Cut of ditch		1.90m	0.80m	0.70m
3605	Fill of ditch [3604], yellow-brown silty-clay		1.90m	0.80m	0.70m
3606	Cut of furrow		0.90m	0.12m	0.50m
3607	Fill of furrow [3606], grey-brown silty-clay		0.90m	0.12m	0.50m

Trench Number	037		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.40m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.54m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
3701	Topsoil. Loose dark brown loam				0.35m (average)
3702	Subsoil. Soft mid grey clayey silt				0.18m (average)
3703	Geological substrate. Mid brown-yellow silty alluvial clays				>0.54m
3704	Fill of ditch [3705] pale grey-brown sandy-silt		0.64m	0.34m	0.36m
3705	Cut of possible ditch/furrow		0.64m	0.38m	0.36m
3706	Fill of [3707] orange-brown silty-sand		0.64m	0.38m	0.36m
3707	Cut of ditch/furrow		0.64m	0.38m	0.36m

Trench Number	038		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.40m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.60m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
3801	Topsoil. Dark brown-grey loam				0.35m (average)
3802	Subsoil. Irregular and uneven mid grey sandy-silt				0.25m (average)
3803	Geological substrate. Dark greyish-yellow alluvial clays				>0.60m
3804	Cut of ditch		3.20m	1.05m	0.47m
3805	Top fill of [3804] light blue-grey clay		3.20m	0.85m	0.40m

3806	Primary fill of [3804] mottled light grey and orange clay		3.20m	0.96m	0.15m

Trench Number	039		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.48m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.56m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
3901	Topsoil. Loose and soft dark brown-grey loam				0.35m (average)
3902	Subsoil. Loose and soft light or mid grey clayey-silt				0.20m (average)
3903	Geological substrate. Yellowish-orange with grey patches of alluvial clays and gravel				>0.55m
3904	Fill of pit [3905]. Dark brown clay-sand, evidence of burning		1.38m	1.02m	0.02m
3905	Cut of pit		1.38m	1.02m	0.02m
3906	Fill of pit [3907] greyish-brown sandy-clay		0.77m	0.53m	0.17m
3907	Cut of pit.		0.77m	0.53m	0.17m

Trench Number	040		
Length	51.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.46m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.60m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
4001	Topsoil. Dark brown-grey silty-loam				0.35m (average)
4002	Subsoil. Light/mid grey sandy silt				0.25m (average)
4003	Geological substrate. Dark orange-yellow silty alluvial clays				>0.60m
4004	Long burnt patch on surface.		4.93m	0.72m	<0.01m

Trench Number	041		
Length	50.00m	**Width**	2.20m
Minimum Depth to Geological Deposit/level of archaeological significance	0.43m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.50m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
4101	Topsoil. Loose dark grey-brown loam				0.30m
4102	Subsoil. Black-brown clayey silt				0.20m (average)
4103	Geological substrate. Soft orange-yellow clay-silt alluvium				>0.50m

4104	Fill of furrow [4105] yellow silty-sand		0.65m	0.50m	0.28m
4105	Cut of furrow		0.65m	0.50m	0.28m

Trench Number	042		
Length	50.00m	**Width**	2.20m
Minimum Depth to Geological Deposit/level of archaeological significance	0.41m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.47m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
4201	Topsoil. Dark grey-brown loam				0.25m-0.44m
4202	Subsoil. Dark grey brown loam with some clay + slightly firmer than topsoil – many places not distinguishable				0.15m
4203	Geological substrate. Orange yellow soft clay alluvium				>0.47m

Trench Number	043		
Length	51.00m	**Width**	2.20m
Minimum Depth to Geological Deposit/level of archaeological significance	0.50m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.60m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
4301	Topsoil. Loose dark grey-brown loam				0.35m
4302	Subsoil. Friable brown-grey silt				0.15m
4303	Geological substrate. Soft orange-yellow clay-silt alluvium.				>0.50m
4304	Cut of ditch		0.50m	0.69m	0.48m
4305	Fill of ditch [4304] orange-red sandy-loam		0.50m	0.69m	0.48m

Trench Number	044		
Length	50.00m	**Width**	2.20m
Minimum Depth to Geological Deposit/level of archaeological significance	0.45m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.55m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
4401	Topsoil. Loose dark grey-brown loam				0.35m
4402	Subsoil. Brown-grey slightly clayey silt				0.10m
4403	Geological substrate. Firm yellow-brown silty-clay				>0.45m
4404	Black charred organic deposit in [4405]		0.15m	0.45m	0.02m
4405	Cut for organic deposit		0.15m	0.45m	0.02m

Trench Number	045	

Length	50.40	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.40m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.40m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
4501	Topsoil. Loose brown-grey loam				0.32m
4502	Subsoil. Soft yellow-brown silt				0.08m
4503	Geological substrate. Firm red-orange alluvial silty-clay				0.40m

Trench Number	046		
Length	50.20m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.40m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.51m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
4601	Topsoil. Brownish grey loose loam				0.26m
4602	Subsoil. Yellowish brown loam				0.14m
4603	Geological substrate. Greyish yellow soft plastic alluvial silty clay				0.40m
4604	Cut of ditch		0.61m	0.46m	0.07m
4605	Fill of [4604] grey-yellow clay loam		0.61m	0.46m	0.07m
4606	Cut of ditch.		0.41m	0.46m	0.19m
4607	Fill of [4606] grey-yellow sandy loam		0.41m	0.46m	0.19m

Trench Number	047		
Length	49.70m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.37m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.47m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
4701	Topsoil. Brownish Grey loose loam				0.25m
4702	Subsoil. Yellowish brown soft plastic loam				0.12m
4703	Geological substrate. Reddish orange sandy alluvial deposit				>0.37m
4704	Cut of ditch		0.60m	0.42m	0.27m
4705	Fill of [4704] orange-yellow sandy-clay loam		0.60m	0.42m	0.27m

Trench Number	048		
Length	50.00m	**Width**	2.20m
Minimum Depth to Geological	0.50m	**Maximum Depth to Geological**	0.60m

Deposit/level of archaeological significance		**Deposit/level of archaeological significance**	

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
4801	Topsoil. Loose dark grey-brown silt				0.43m
4802	Subsoil. Light brown-grey slightly clayey-silt, soft and not very distinguishable from topsoil				0.07m
4803	Geological substrate. Soft orange-yellow clay-silt alluvium				>0.50m
4804	Fill of furrow [4805] yellow-brown mottled sandy-clay		0.65m	0.52m	0.27m
4805	Cut of furrow		0.65m	0.52m	0.27m
4806	Fill of [4807] grey-brown silty-sand		1.10m	0.57m	0.13m
4807	Cut of ditch		1.10m	0.57m	0.13m

Trench Number	049		
Length	50.00m	**Width**	2.20m
Minimum Depth to Geological Deposit/level of archaeological significance	0.50m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.55m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
4901	Topsoil. Loose dark grey-brown loam				0.41m
4902	Subsoil. Light brown-grey clayey-silt				0.09m
4903	Geological substrate. Hard orange-yellow clay				>0.50m

Trench Number	050		
Length	50.00m	**Width**	2.20m
Minimum Depth to Geological Deposit/level of archaeological significance	0.41m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.45m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
5001	Topsoil. Loose dark greyish-brown loam				0.28m
5002	Subsoil. Mid grey-brown slightly clayey silt. Difficult to discern from topsoil in most of trench				0.13m
5003	Geological substrate. Hard orange-yellow hard clay				>0.41m

Trench Number	051		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.47m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.47m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
5101	Topsoil. Dark brown-grey loam				0.35m (average)

5102	Subsoil. Uneven mid/light brown-grey sandy-silt				0.12m
5103	Geological substrate. Patchy mid/light grey-brown and dark mottled orange-yellow sandy alluvial clay				>0.47m

Trench Number	052		
Length	50.00	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.44m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.61m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
5201	Topsoil. Dark brown-grey loam				0.36m (average)
5202	Subsoil. Irregular and uneven mid brown-grey clayey-sandy-silt.				0.08-0.25m
5203	Geological substrate. Dark orange yellow with a band of gravel and mottled light grey sandy-clay alluvium				>0.50m

Trench Number	053		
Length	50.20m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.44m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.52m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
5301	Topsoil. Dark grey brown loam				0.32m
5302	Subsoil. Mid grey sandy-silt				0.10m
5303	Geological substrate. Yellow or red-grey silty alluvial clays				>0.44m

Trench Number	054		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.40m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.44m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
5401	Topsoil. Dark grey-brown loam				0.35m (average)
5402	Subsoil. Uneven and irregular mid grey sandy-silt				0.17m (average)
5403	Geological substrate. Yellow with sandy patches and mottled orange- grey silty alluvial clays				>0.44m
5404	Cut of furrow		1.90m	0.60m	0.13m
5405	Fill of furrow [5404], orange-brown silty-clay		1.90m	0.60m	0.13m

Trench Number	055		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.40m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.55m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
5501	Topsoil. Dark grey-brown loam				0.35m (average)
5502	Subsoil. Uneven and irregular mid brown-grey sandy-silt				0.20m (average)
5503	Geological substrate. Firm dark brownish-yellow silty alluvial clays. More gravelly and sandy at northern end				>0.40m

Trench Number	056		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.42m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.56m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
5601	Topsoil. Dark brown-grey loam				0.32m (average)
5602	Subsoil. Thin ephemeral layer. Mid grey-brown sandy-silt				0.10m
5603	Geological substrate. Dark orange-yellow mottled with light grey silty alluvial clay				>0.42m

Trench Number	057		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.47m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.51m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
5701	Topsoil. Dark grey brown loam				0.30m (average)
5702	Subsoil. Mid brown-grey sandy-silt.				0.17m
5703	Geological substrate. Dark orange-yellow sand at north end. Changes to firm mottled grey, brown-red clay after 14m before becoming sandy again at 30m from north end.				>0.47m

Trench Number	058		
Length	50.00m	**Width**	2.10m

Minimum Depth to Geological Deposit/level of archaeological significance	0.47m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.55m

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth
5801	Topsoil. Dark greyish-brown loam				0.35m
5802	Subsoil. Mid greyish-brown sandy-silt				0.12m
5803	Geological substrate. Dark orange-brown sandy-silt				>0.47m
5804	Cut of ditch.		1.07m	0.52m	0.27m
5805	Fill of [5804] dark red-brown silty-loam		1.07m	0.52m	0.27m

Trench Number	059		
Length	50.00m	**Width**	2.10m
Minimum Depth to Geological Deposit/level of archaeological significance	0.50m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.55m

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth
5901	Topsoil. Dark greyish-brown sandy-clay				0.30m
5902	Subsoil. Mid greyish-brown silty-clay				0.20m
5903	Geological substrate. Orange-yellow silty-clay				>0.50m

Trench Number	060		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.40m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.50m

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth
6001	Topsoil. Loose dark greyish-brown loam.				0.25m
6002	Subsoil. Mid greyish-brown silty-clay				0.15m
6003	Geological substrate. Light orange-yellow silty-clay				>0.40m

Trench Number	061		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.41m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.46m

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth
6101	Topsoil. Loose dark brown grey loam				0.30m (average)
6102	Subsoil. Uneven dark reddish-brown silty-clay				0.16m (average)

6103	Geological substrate. Dark orange-yellow sandy silty clay at northern end to mid/light greyish-yellow silty-clay alluvium at southern end				>0.46m
6104	Cut of furrow/Plough scar		0.44m	0.36m	0.07m
6105	Fill of [6104] grey-yellow silty-clay		0.44m	0.36m	0.07m

Trench Number	062		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.33m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.37m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
6201	Topsoil. Loose brown-grey loam				0.25m
6202	Subsoil. Soft yellow-brown loam				0.08m
6203	Geological substrate. Soft red-orange alluvial silt				>0.33m

Trench Number	063		
Length	50.50m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.44m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.51m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
6301	Topsoil. Brown grey loose loam				0.33m
6302	Subsoil. Yellowish brown soft loam				0.11m
6303	Geological substrate. Reddish yellow, firm alluvial silty clay				>0.44m
6304	Cut of ditch		>2.20m	1.10m	0.78m
6305	Top fill [6304] mottled dark red-brown and grey-brown sand and gravel		>2.20m	0.44m	0.24m
6306	Fill of [6304] mid orange-brown sand and gravel		>2.20m	0.84m	0.40m
6307	Fill of [6304] mid orange-brown sand and gravel		>2.20m	0.90m	0.43m
6308	Primary Fill [6304] mid orange-brown sand and gravel		>2.20m	0.36m	0.21m

Trench Number	064		
Length	50.30m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.34m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.42m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
6401	Topsoil. Loose brown-grey loam				0.24m
6402	Subsoil. Soft and plastic yellow-brown loam				0.10m
6403	Geological substrate. Soft red-orange sandy alluvial silt				0.34m

6404	Cut of ditch – Terminal End		0.63m	0.49m	0.40m
6405	Fill of [6404] orange-brown loam-sand		0.63m	0.49m	0.40m

Trench Number	065		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.35m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.45m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
6501	Topsoil. Loose dark greyish-brown loam				0.25m
6502	Subsoil. Mid greyish-brown silty-clay				0.15m
6503	Orange-yellow silty-clay, likely older subsoil				0.15m
6504	Geological substrate. Hard light brownish-yellow sandy-clay with frequent charcoal and manganese inclusions				>0.55m
6505	Probable furrow – heavily truncated		>2.40m		<0.05m

Trench Number	066		
Length	52.50m	**Width**	2.10m
Minimum Depth to Geological Deposit/level of archaeological significance	0.47m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.55m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
6601	Topsoil. Friable dark greyish-brown loam.				0.32m
6602	Subsoil. Friable mid greyish-brown silty clay.				0.15m
6603	Geological substrate. Friable mid yellowish-brown silty-clay and mid orange-brown silty-sand				>0.47m
6604	In-situ burning area		1.40m	1.10m+	0.47-0.52m
6605	Not used				
6606	Not used				
6607	Fill of ditch [6608] orange-brown silty-sand		1.18m	0.71m	0.29m
6608	Cut of ditch		1.18m	0.71m	0.29m

Trench Number	067		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.40m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.41m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
6701	Topsoil. Dark brown-grey loam				0.30m
6702	Subsoil. Irregular and uneven, light/mid brown-grey sandy-silt				0.10m
6703	Geological substrate. Dark yellow-orange with mottled light grey sandy-clay alluvium. The				>0.40m

	alluvium gets darker as it progresses towards the south with more light red-brown and mottled yellow and grey scarred interface				

Trench Number	068		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.48m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.52m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
6801	Topsoil. Dark brownish-grey loam				0.30m
6802	Subsoil. Mid brown-grey sandy-silt – irregular and uneven				0.18m
6803	Geological substrate. Dark orange-yellow alluvial clays with occasional patches of gravel at west end. Becomes mottled with dark red-brown and light yellowish-grey towards the east end.				>0.48m
6804	Cut of ditch		2.00m	0.50m	0.40m
6805	Fill of [6804] grey-brown silty-clay		2.00m	0.50m	0.40m
6806	Cut of ditch		2.00m	0.57m	0.18m
6807	Fill of [6806] grey-brown silty-clay		2.00m	0.57m	0.18m

Trench Number	069		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.48m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.50m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
6901	Topsoil. Dark brown-grey loam				0.30m
6902	Subsoil. Uneven and irregular mid brown-grey sandy-silt				0.18m
6903	Geological substrate. Dark orange-yellow mottled with grey and brown silty alluvial clay with occasional patches of gravel				>0.48m

Trench Number	070		
Length	50.50m	**Width**	2.10m
Minimum Depth to Geological Deposit/level of archaeological significance	0.50m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.50m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
7001	Topsoil. Soft and loose dark brown-grey sandy-silt.				0.34m
7002	Subsoil. Uneven mid to light grey sandy-silt				0.16m

7003	Geological substrate. Dark orange-red mottled with iron pan. Occasional pebbles scattered and gravel bands. Mostly sandy alluvial silt				>0.50m
7004	Fill of furrow [7005], dark grey sandy-clay		0.75m	0.70m	0.06m
7005	Cut of furrow		0.75m	0.70m	0.06m

Trench Number	071		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.40m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.46m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
7101	Topsoil. Dark brown-grey loam				0.30m
7102	Subsoil. Mid brown-grey clayey-silt				0.10m
7103	Geological substrate. Dark yellow-orange mottled with red-brown alluvial clays and patches of gravel				>0.40m

Trench Number	072		
Length	50.60m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.50m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.50m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
7201	Top soil. Grey-brown loam				0.41m
7202	Subsoil. Plastic orange-brown clayey-silt				0.09m
7203	Geological substrate. Soft red-orange alluvial silt				>0.50m
7204	Fill of furrow [7204]. Loose red-orange sandy-clay		0.98m	0.74m	0.07m
7205	Cut of furrow		0.98m	0.74m	0.07m

Trench Number	073		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.40m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.40m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
7301	Topsoil. Dark brown-grey loam				0.30m
7302	Subsoil. Mottled mid brown-grey silty-clay – Uneven and irregular				0.10m
7303	Geological substrate. Mid/light grey-yellow mottled with mid red-brown silty alluvial clays				>0.40m

Trench Number	074	

Length	50.50m	**Width**	2.10m
Minimum Depth to Geological Deposit/level of archaeological significance	0.47m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.47m

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth
7401	Topsoil. Dark greyish brown clayey silt friable				0.35m (average)
7402	Geological substrate. Light yellowish brown clay with greyish mottling + areas of light/ Mid orangish brown sandy clay + gravel				>0.47m
7403	Subsoil. Irregular, mid grey-brown silty-clay				0.12m
7404	Cut of NNW-SSE linear geological feature		2.25m	0.43-0.70m	0.87m
7405	Top fill of [7404] clay and gravel		2.20m	0.45-0.70m	0.40m
7406	Fill of [7404] Gravel		2.20m	0.46-0.70m	0.60m
7407	Basal fill of [7404], gravel, sand and clay		2.25m	0.37-0.49m	0.23m
7408	Mottled grey clay and orange sandy-clay east of [7404]		1.80m	2.20m	0.21m
7409	Orange sandy-clay east of [7404]		1.20m	0.70m	0.30m
7410	Coarse sandy grey clay, frequent gravel and stone		1.20m	0.75m	0.27m
7411	Compact coarse sand and gravel east of [7404]		1.20m	0.85m	0.14m
7412	Gravel, sand and stone east of [7404]		1.20m	0.83m	0.13m
7413	Mottled grey clay and orange sandy-clay west of [7404]		1.60m	0.50m	0.34m
7414	Sandy clay west of [7404]		1.65m	0.45m	0.27m
7415	Coarse sandy grey clay and gravel west of [7404]		1.65m	0.45m	0.35m
7416	Mid orange sand and gravel west of [7404]		0.58m	0.46m	0.22m
7417	Mid brown sand with stone and flint west of [7404]		1.10m	0.33m	0.14m
7418	Mid orange sand and gravel west of [7404]		0.27m	0.12m	0.16m
7419	Mid brown subsoil			1.20m	<0.07m
7420	Gleyed clay east of [7420]		1.13m	0.30m	<0.45m

Trench Number	075		
Length	48.50m	**Width**	2.20m
Minimum Depth to Geological Deposit/level of archaeological significance	0.36m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.48m

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth
7501	Topsoil. Friable dark greyish-brown silty-clay.				0.27m
7502	Subsoil. Friable mid greyish-brown clay				0.09m
7503	Geological substrate. Plastic light yellowish-brown, mottled with grey, silty-clay mixed with mid orange-brown sandy clay with stone and gravel.				>0.36m

Trench Number	076		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.43m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.62m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
7601	Topsoil. Dark grey-brown loam				0.35m
7602	Subsoil. Compact plastic, uneven undulating layer of dark red-grey clayey-silt				0.08m
7603	Geological substrate. Compact and plastic light yellowish-grey silty alluvial clay.				>0.43m
7604	Redeposited Geological substrate mixed with pebbles and gravel				0.20m
7605	Redeposited red-brown clay-silt with moderate to frequent charcoal flecks				0.15m
7606	Cut of plough mark/furrow		0.50m	0.54m	0.10m
7607	Fill of [7606] grey-brown sandy-loam		0.50m	0.54m	0.10m
7608	Cut		0.60m	1.84m	0.28m
7609	Fill of [7608] brown-orange sandy-loam		0.60m	1.84m	0.28m

Trench Number	077		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.36m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.40m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
7701	Topsoil. Dark grey brown soft/loose loam				0.35m
7702	Geological substrate. Dark orangish yellow silty alluvial clay				0.38m
7703	Not used				
7704	Cut of pit		0.50m	2.10m	0.33m
7705	Top fill of pit [7704]		0.50m	2.10m	0.14m
7706	Mid fill of fit.		0.50m	2.10m	0.08m
7707	Base fill of pit.		0.50m	2.10	0.09m

Trench Number	078		
Length	49.80m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.35m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.40m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
7801	Topsoil. Loose and soft dark grey-brown sandy-silt.				0.35m

7802	Geological substrate. Dark orange-yellow silty-clay alluvium with very occasional charcoal flecking				>0.35m
7803	Cut of linear feature		4.54m	1.00m	0.40m
7804	Fill [7803] brown-yellow clay		4.54m	1.00m	0.40m

Trench Number	079		
Length	44.50m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.41m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.48m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
7901	Topsoil. Loose brownish-grey loam				0.28m
7902	Subsoil. Loose brownish-orange silty-loam				0.13m
7903	Geological substrate. Plastic brownish-yellow silty-clay alluvium				>0.41m-

Trench Number	080		
Length	50.00m	**Width**	2.10m
Minimum Depth to Geological Deposit/level of archaeological significance	0.35m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.45m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
8001	Topsoil. Dark grey-brown loam				0.35m
8002	Subsoil. Uneven mid greyish-yellow when present (Appears as a lens between 10m and 15m from west end)				0.10m (average)
8003	Geological substrate. Yellow-orange alluvial sandy clay				>0.35m

Trench Number	081		
Length	50.00m	**Width**	2.10m
Minimum Depth to Geological Deposit/level of archaeological significance	0.40m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.47m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
8101	Topsoil. Loose dark brownish-grey sandy loamy-silt				0.30m
8102	Subsoil. Very ephemeral subsoil at this end of site. Mid grey-brown sandy-silt.				0.17m (average)
8103	Geological substrate. Orange/yellow sandy silty clay. Moderate to frequent charcoal flecking from 12m to 23m to the north within trench				>0.40m
8104	Furrow		1.00m	0.80m	0.90-1.00m

Trench Number	082		
Length	50.00m	**Width**	2.10m
Minimum Depth to Geological Deposit/level of archaeological significance	0.40m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.55m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
8201	Topsoil. Dark brown-grey loamy-silt				0.30m
8202	Mid light grey sand-silt with occasional scattered pebbles				0.10-0.25m
8203	Geological substrate. Dark orange-yellow sandy-silt with manganese flecking.				>0.40m
8204	Cut of ditch		0.50m	1.50m	0.15m
8205	Fill of [8204] yellow-brown sandy-clay		0.50m	1.50m	0.15m
8206	Cut of plough scar		0.31m	0.27m	0.04m
8207	Fill of plough scar [8206] dark brown-black silty-loam		0.31m	0.27m	0.04m
8208	Cut of plough scar		0.10m	0.20m	0.04m
8209	Fill of plough scar [8208] dark brown-black silty-loam		0.10m	0.20m	0.04m

Trench Number	083		
Length	49.50m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.32m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.40m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
8301	Topsoil. Loose greyish-brown loamy-silt				0.22m
8302	Subsoil. Plastic orange-brown clayey-silt				0.10m
8203	Geological substrate. Soft red-orange alluvial silt				>0.32m

Trench Number	084		
Length	49.00m	**Width**	2.10m
Minimum Depth to Geological Deposit/level of archaeological significance	0.47m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.52m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
8401	Topsoil. Friable dark brown silty-clay with rare small rounded stone inclusions				0.32m
8402	Subsoil. Mid orange-brown sandy-clay				0.15m
8403	Geological substrate. Mid yellow-orange sandy-clay				>0.47m

Trench Number	085	

Length	50.00m	**Width**	2.10m
Minimum Depth to Geological Deposit/level of archaeological significance	0.40m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.55m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
8501	Topsoil. Dark brown-grey sandy-silt				0.35m (average)
8502	Subsoil. Uneven grey sandy-silt with scattered small natural flint				0.05-0.20m
8503	Geological substrate. Yellow-orange slightly clayey, sandy alluvial silts				>0.40m
8504	Cut of ditch		0.75m	0.80m	0.12m
8505	Fill of [8504], red-brown loamy-sand		0.75m	0.80m	0.50-0.62m
8506	Cut of plough scar		0.80m	0.38m	0.59m
8507	Fill of [8506], red-brown silty-loam		0.80m	0.38m	0.59m

Trench Number	086		
Length	51.00m	**Width**	2.10m
Minimum Depth to Geological Deposit/level of archaeological significance	0.36m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.55m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
8601	Topsoil. Dark brown-grey sandy-silt. Occasional stones and modern rubbish				0.35m (average)
8602	Subsoil. Med/light grey silt, very uneven				0.01-0.20m
8603	Geological substrate. Dark orange-yellow sand and patches of gravel				>0.55m
8604	Cut of pit/post hole		0.65m	0.70m	0.24m
8605	Fill of [8604] grey-brown silty-clay		0.65m	0.70m	0.24m
8606	Cut of post pipe		0.20m	0.20m	0.10m
8607	Fill of post pipe [8606] red-brown silty-clay		0.20m	0.20m	0.10m

Trench Number	087		
Length	50.00m	**Width**	1.50m
Minimum Depth to Geological Deposit/level of archaeological significance	0.69m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.70m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
8701	Topsoil. Loose grey-brown loamy-silt				0.44m
8702	Subsoil. Plastic orange-brown clayey-silt				0.25m
8703	Geological substrate. Soft orange-yellow alluvial silt				0.69m

Trench Number	088	

Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.44m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.55m

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth
8801	Topsoil. Loose dark grey-brown loamy-silt.				0.35m
8802	Subsoil. Friable yellow-brown slightly clayey-silt.				0.09m
8803	Geological substrate. Friable red-orange alluvial clayey-silt.				0.44m

Trench Number	089		
Length	49.5m	**Width**	2.10m
Minimum Depth to Geological Deposit/level of archaeological significance	0.40m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.51m

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth
8901	Topsoil. Dark brown-grey sandy-silt				0.30m (average)
8902	Undulating and uneven mid-light grey sandy-silt with clay patches				0.10-0.21m
8903	Geological substrate. Dark orange-yellow sand and patches of gravel with occasional to moderate small rounded pebbles				>0.40m
8904	Cut of undulating linear feature		2.00m	1.70m	0.26m
8905	Fill of [8904] orange-brown silty-sand		2.00m	1.70m	0.26m

Trench Number	090		
Length	50.70m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.43m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.43m

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth
9001	Topsoil. Loose brownish-grey silty-loam				0.30m
9002	Subsoil. Plastic orange-brown clayey-silt				0.13m
9003	Geological substrate. Soft red-orange alluvial silt.				0.43m

Trench Number	091		
Length	50.00m	**Width**	2.10m
Minimum Depth to Geological Deposit/level of archaeological significance	0.37m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.40m

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth

9101	Topsoil. Dark grey-brown sandy-silt.				0.28m (average)
9102	Subsoil. Uneven and irregular mid grey sandy-silt.				0.09m (average)
9103	Geological substrate. Dark brownish-yellow, sandy-clay alluvium. Occasional small pebbles				>0.37m
9104	Cut of linear feature		0.35m	2.30m	0.07m
9105	Fill of [9104], compacted red-orange sandy-clay		0.35m	2.30m	0.07m

Trench Number	092		
Length	49.50m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.41m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.41m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
9201	Topsoil. Loose brown-grey silty-loam				0.30m
9202	Subsoil. Soft yellowish-brown silty-loam				0.11m
9203	Geological substrate. Soft red-orange alluvial silt				0.41m

Trench Number	093		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.35m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.40m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
9301	Topsoil. Loose dark grey-brown loamy-silt				0.25m
9302	Subsoil. Friable dark yellow-brown clayey-silt				0.10m
9303	Geological substrate. Friable yellow-orange silty-clay alluvium.				>0.35m

Trench Number	094		
Length	50.50m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.37m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.37m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
9401	Topsoil. Loose grey-brown silty-loam				0.24m
9402	Subsoil. Plastic orange-brown clayey-silt				0.13m
9403	Geological substrate. Red-orange alluvial silt				>0.37m
9404	Cut of furrow		2.30m	0.43m	0.04m
9405	Fill of [9404] grey-brown silty-clay		2.30m	0.43m	0.04m

Trench Number	095		
Length	52.40m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.49m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.50m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
9501	Topsoil. Loose brownish-grey loam				0.20m
9502	Subsoil. Plastic orange-brown silt				0.29m
9503	Geological substrate. Soft red-orange alluvial silt				>0.49m

Trench Number	096		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.50m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.50m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
9601	Topsoil. Loose dark grey-brown loamy-silt				0.35m
9602	Subsoil. Plastic orange-brown clayey-silt				0.15m
9603	Geological substrate. Friable orange-yellow clayey-silt alluvium				0.50m

Trench Number	097		
Length	50.00m	**Width**	2.85m
Minimum Depth to Geological Deposit/level of archaeological significance	0.43m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.50m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
9701	Topsoil. Friable dark greyish-brown loam				0.25m
9702	Subsoil. Friable dark greyish-brown silty-loam				0.18m
9703	Geological substrate. Plastic light yellowish-brown silty-clay.				>0.43m

Trench Number	098		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.38m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.50m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
9801	Topsoil. Dark brown-grey loam.				0.30m
9802	Subsoil. Ephemeral layer of mid/dark brown-grey sandy-silt				0.08m (average)

9803	Geological substrate. Dark yellow mottled with light grey alluvial clays				>0.38m
9804	Cut of gully (truncated)		0.55m	0.30m	0.04m
9805	Fill of [9804] red-grey silty-loam		0.55m	0.30m	0.04m

Trench Number	099		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.40m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.55m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
9901	Topsoil. Dark brown-grey loam				0.30m
9902	Subsoil. Uneven, irregular mid to light brownish-grey silt with patches of dark yellow sand and gravel				0.10-0.15m
9903	Geological substrate. Light grey-brown with light orange-yellow patches of alluvial clays gravels and sands				>0.40m

Trench Number	100		
Length	49.60m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.40m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.48m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
10001	Topsoil. Loose brownish-grey loam				0.22m
10002	Subsoil. Soft yellowish-brown loam				0.18m
10003	Geological substrate. Soft orange-red sandy alluvium with occasional yellow-grey silty-clay				>0.40m

Trench Number	101		
Length	50.00m	**Width**	2.10m
Minimum Depth to Geological Deposit/level of archaeological significance	0.45m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.50m

Context No	**Description (Layer, Cut, Fill)**	**Dimensions (as appropriate)**			
		Diameter	**Length**	**Width**	**Depth**
10101	Topsoil. Dark brown-orange sandy-clay				0.30m
10102	Subsoil. Mid greyish-brown sandy-clay				0.15m
10103	Geological substrate. Light orange-yellow silty-clay				>0.45m
10104	Fill of furrow [10105] dark grey silty-clay		0.95m	0.85m	0.18m
10105	Cut of furrow		0.95m	0.85m	0.18m

Trench Number	102		
Length	50.00m	**Width**	2.20m

Minimum Depth to Geological Deposit/level of archaeological significance	0.28m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.40m

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth
10201	Topsoil. Loose greyish-brown sandy-clay				0.19m
10202	Subsoil. Mid yellowish-brown silty-clay				0.09m
10203	Geological substrate. Light orange-yellow silty-clay				>0.28m
10204	Fill of ditch [10205] orange grey silty clay		0.93m	0.83m	0.30m
10205	Cut of ditch		0.93m	0.83m	0.30m

Trench Number	103		
Length	50.00m	**Width**	2.10m
Minimum Depth to Geological Deposit/level of archaeological significance	0.50m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.52m

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth
10301	Topsoil. Loose dark greyish-brown sand- clay				0.32m
10302	Subsoil. Mid greyish-brown silty-clay				0.18m
10303	Geological substrate. Light orange-yellow silty-clay				>0.50m
10304	Fill of furrow [10305] greyish-brown sandy-clay		0.63m	0.60m	0.22m
10305	Cut of furrow		0.63m	0.60m	0.22m

Trench Number	104		
Length	50.00m	**Width**	2.00m
Minimum Depth to Geological Deposit/level of archaeological significance	0.40m	**Maximum Depth to Geological Deposit/level of archaeological significance**	0.51m

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth
10401	Topsoil. Soft dark brown-grey sandy-silt				0.30m
10402	Subsoil. Mid grey-brown silty-clay				0.10m
10403	Geological substrate. Dark orange-yellow sandy alluvial clays. Mottled with very tiny fragments of possible CBM. Charcoal flecking at interface between subsoil and geological substrate.				>0.40m
10404	Cut of furrow		0.50m	0.43m	0.24m
10405	Fill of furrow [10404] dark-brown silty-loam		0.50m	0.43m	0.24m
10406	Furrow		0.49m	0.44m	0.14m
10407	Cut of furrow		0.59m	0.44m	0.26m
10408	Fill of furrow [10407] light grey-brown silty-clay		0.59m	0.94m	0.26m
10409	Cut of furrow		0.59m	0.94m	0.28m
10410	Fill of furrow [10409] light grey-brown silty-clay		0.59m	0.94m	0.28m
10411	Cut of furrow		0.44m	0.54m	0.18m
10412	Fill of furrow [10411] light grey-brown silty-clay		0.44m	0.54m	0.18m

Trench Number	105		
Length	49.00m	Width	2.20m
Minimum Depth to Geological Deposit/level of archaeological significance	0.42m	Maximum Depth to Geological Deposit/level of archaeological significance	0.54m

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth
10501	Topsoil. Friable dark greyish-brown silty-clay				0.29m
10502	Subsoil. Friable mid greyish-brown slightly sandy, silty-clay				0.12m
10503	Geological substrate. Plastic light yellowish-brown silty-clay. Occasional patches of very light brownish-yellow sandy-silt				>0.41m
10504	Cut of furrow		0.51m	0.61m	0.18m
10505	Fill of [10504] orange-brown sandy-loam		0.51m	0.61m	0.18m
10506	Cut of furrow		0.50m	0.52m	0.12m
10507	Fill of [10506] orange-brown sandy-loam		0.50m	0.52m	0.12m
10508	Cut of ditch		0.63m	0.89m	0.18m
10509	Fill of [10508] brown silty-loam		0.63m	0.89m	0.18m

Trench Number	106		
Length	50.00m	Width	2.10m
Minimum Depth to Geological Deposit/level of archaeological significance	0.42m	Maximum Depth to Geological Deposit/level of archaeological significance	0.60m

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth
10601	Topsoil. Friable dark greyish-brown clayey-silt.				0.24m
10602	Subsoil. Friable dark brown loam.				0.18m
10603	Geological substrate. Mid orange-brown sandy-silt with areas of light yellow sand and gravel including broken flint				>0.42m
10604	Cut of furrow		0.66m	0.64m	0.27m
10605	Fill of [10604] light grey-brown silty-loam		0.66m	0.64m	0.27m
10606	Cut of furrow.		0.43m	0.49m	0.16m
10607	Fill of [10606] dark brown-black silty-loam		0.43m	0.49m	0.16m
10608	Cut of furrow		0.21m	0.29m	0.11m
10609	Fill of [10608] dark brown-black silty-loam		0.21m	0.29m	0.11m

Trench Number	107		
Length	50.00m	Width	2.10m
Minimum Depth to Geological Deposit/level of archaeological significance	0.46m	Maximum Depth to Geological Deposit/level of archaeological significance	0.60m

Context No	Description (Layer, Cut, Fill)	Dimensions (as appropriate)			
		Diameter	Length	Width	Depth
10701	Topsoil. Friable dark greyish-brown clayey-silt				0.29m
10702	Subsoil. Friable mid greyish-brown sandy-silt.				0.17m
10703	Geological substrate. Plastic mid orange clayey-sand with areas of lighter yellowish clayey sand.				>0.46m

10704	Burnt patches on surface of geological substrate		0.39m	0.43m	
10705	Cut of furrow		1.32m	0.36m	0.18m
10706	Fill of [10705] orange-brown silty-loam		1.32m	0.36m	0.18m
10707	Cut of furrow		0.52m	0.60m	0.18m
10708	Fill of [10707] dark brown silty-loam		0.52m	0.60m	0.18m

Appendix II – Photographic Register

Photo number	Direction Facing	Description
001	NNE	Sample section of Tr087
002	NW	Tr87 Record shot
003	SE	Tr87 Record shot
004	E	Refer section of Tr096
005	N	Tr96 Record shot
006	S	Tr96 Record Shot
007	E	Refer section of Tr88
008	N	Tr88 Record shot
009	S	Tr88 Record shot
010	N	Tr83 Record shot
011	S	Tr83 record shot
012	E	Tr83 Record shot
013	NE	Tr72 Record shot
014	SW	Tr72 Record shot
015	E	Tr72 Section shot
016	N	Tr90 Section shot
017	W	Tr90 Record Shot
018	E	Tr90 Record Shot
019	W	Tr95 Section shot
020	E	Tr95 Record shot
021	W	Tr95 Record shot
022	SW	Tr94 Section Shot
023	NW	Tr94 Record shot
024	SE	Tr94 Record Shot
025	N	Tr93 Reference Section
026	W	General shot of Tr86
027	E	General shot of Tr86
028	N	Representative North facing section of Tr86
029	NNE	General shot of Tr89
030	SSE	General shot of Tr89
031	WSW	Representative shot of Tr89
032	N	General shot of Tr82
033	S	General shot of Tr82
034	W	Representative section of Tr82
035	SW	General shot of Tr84
036	ENE	General shot of Tr84
037	S	Representative section of Tr84
038	N	Representative section of Tr70
039	ESE	General shot of Tr70
040	WNE	General shot of Tr70
041	SE	General shot of Tr85

042	NW	General shot of Tr85
043	NE	Representative section of Tr85
044	N	General shot of Tr82
045	S	General shot of Tr82
046	E	Representative section of Tr82
047	NW	Representative section of Tr91
048	SSW	General shot of Tr91
049	NNE	General shot of Tr91
050	N	Representative Section of Tr80. South facing
051	NE	Tr93 Record shot
052	SW	Tr93 Record shot
053	SE	Tr78 section shot
054	SW	Tr78 Record shot
055	NE	Tr78 record shot
056	S	Tr92 General shot
057	N	Tr92 General shot
058	NW	Tr92 Reference Section
059	SW	Tr62 General shot
060	NE	Tr62 General shot
061	SE	Tr62 Reference Shot
062	SW	Tr95 General shot
063	NE	Tr95 General shot
064	NW	Tr95 Reference Section
065	SW	Tr63 General Shot
066	NE	Tr63 General Shot
067	NW	Tr63 Reference Section
068	SW	Tr64 General Shot
069	NE	Tr64 General Shot
070	NW	Tr64 Reference Section
071	SW	Tr46 General Shot
072	NE	Tr46 General shot
073	NW	Tr46 Reference Section
074	SW	Tr47 General Shot
075	NE	Tr47 General Shot
076	W	General shot of Tr80
077	E	General shot of Tr80
078	SSW	General shot of Tr78
079	NW	Representative section of Tr78
080	NNE	General shot of Tr78
081	SW	Representative section of Tr77
082	SE	General shot of Tr77
083	NW	General shot of Tr77
084	SW	Representative section of Tr76
085	NNW	General shot of Tr76

086	SSE	General shot of Tr76
087	SW	Representative Section Tr76
088	NE	Representative section of TR61
089	NW	General shot of Tr61
090	SE	General shot of Tr61
091	NW	Representative Section of Tr33
092	SW	General shot of Tr33
093	NE	General shot of Tr33
094	NW	Representative Section Tr31
095	NNW	General shot of Tr31
096	SSE	General shot of Tr31
097	W	Representative shot of Tr104
098	SSE	General shot of Tr104
099	NNW	General shot of Tr104
100	E	Representative Section of Tr25
101	NW	Reference Section Tr47
102	SW	Reference section Tr100, showing rough plough marks
103	SE	Tr100 General shot
104	NW	Tr100 General Shot
105	SW	Record shot of Tr41
106	W	Reference Section of Tr41
107	NE	Record Shot of Tr41
108	SE	Record Shot of Tr42
109	N	Tr42 Reference section
110	NW	Record shot of Tr42
111	N	Record Shot of Tr49
112	E	Tr49 Reference Section
113	S	Record shot of Tr49
114	NE	Record shot of Tr50
115	NW	Reference section Tr50
116	SW	Record shot of Tr50
117	S	Record Section of Tr48
118	E	Reference Section Tr48
119	N	Record shot of Tr48
120	W	Record Shot Tr58
121	E	Record shot pf Tr58
122	N	Section of Tr58
123	S	Record shot of Tr66
124	N	Record shot of Tr66
125	W	Tr66 East facing section
126	NNE	General shot of Tr25
127	SSW	General shot of Tr25
128	W	Representative section Tr26
129	SSW	General shot of Tr26

130	NNE	General shot of Tr26
131	SW	Representative section of Tr27
132	NNE	General shot of Tr27
133	SSW	General shot of Tr27
134	SSE	Representative section o Tr29
135	ENE	General shot of Tr29
136	WSW	General shot of Tr29
137	W	Representative section Tr28
138	WSW	General shot of Tr28
139	ENE	General shot of Tr28
140	W	Representative Section of Tr37
141	N	General shot of Tr37
142	S	General shot of Tr37
143	ESE	Representative section of Tr30
144	ESE	2nd Representative section of Tr30
145	S	General shot of Tr30
146	N	General shot of Tr30
147	NW	Representative section of Tr36
148	WSW	General shot of Tr36
149	ENE	General shot of Tr36
150	SW	Representative section of Tr39
151	SSE	General shot of Tr39
152	NNW	General shot of Tr39
153	N	Representative section of Tr38
154	W	General shot of Tr38
155	E	General shot of Tr38
156	W	Test pit at North end of Tr40
157	E	Test pit at North end of Tr40
158	E	Representation section of Tr40
159	S	General shot of Tr40
160	N	General shot of Tr40
161	N	Representative shot of Tr35
162	N	Test pit at E end of Tr35
163	S	Test pit at E end of Tr35
164	W	General shot of Tr35
165	E	General shot pf Tr35
166	ESE	Representative section of Tr35
167	S	General shot of Tr53
168	N	General shot of Tr53
169	S	Representative shot of Tr53
170	W	General shot of Tr54
171	E	General shot of Tr54
172	SE	Representative shot of Tr99
173	SW	General shot of Tr99

174	NE	General shot of Tr99
175	SE	Representative shot of Tr51
176	NNE	General shot of Tr51
177	SSW	General shot of Tr51
178	NW	Representative section of Tr52
179	NNW	General shot of Tr52
180	SSE	General shot of Tr52
181	NE	Representative section of Tr57
182	NE	Representative section of Tr57
183	SE	General shot of Tr57
184	NW	General shot of Tr57
185	NW	Representative shot of Tr56
186	ENE	General shot of Tr56
187	SSW	General shot of Tr56
188	ESE	Representative shot of Tr55
189	NNE	General shot of Tr55
190	SSW	General shot of Tr55
191	E	Representative shot of Tr69
192	S	General shot of Tr69
193	N	General shot of Tr69
194	S	Representative shot of Tr68
195	E	General shot of Tr68
196	W	General shot of Tr68
197	E	Representative section of Tr67
198	S	General Shot of Tr67
199	N	General Shot of Tr67
200	SE	Representative shot of Tr73
201	ESE	Record shot Tr74 *Camera set 1*
202	UNW	Record shot of Tr74
203	NNE	SSW facing section of Tr74
204	W	Record shot Tr75
205	E	Record shot Tr75
206	N	South Facing section of Tr75
207	N	South Facing section of Tr75
208	W	Record shot Tr103
209	E	Record shot of Tr103
210	N	South Facing section of Tr103
211	S	Record shot of Tr102
212	N	Record shot of Tr102
213	E	West facing section Tr102
214	W	Record shot of Tr101
215	E	Record shot of T101
216	N	South Facing section Tr101
217	W	Record shot of Tr105

218	E	Record shot of Tr105
219	N	South Facing section of Tr105
220	N	Record shot of Tr21
221	NW	General shot of Tr21
222	SE	General record shot of Tr21
223	NW	Record shot of section, Tr13
224	SW	General record shot Tr13
225	NE	General Record shot of Tr13
226	ESE	General shot of Tr73
227	WNW	General shot of Tr73
228	N	Rep section of Tr71
229	WSW	General shot of Tr71
230	ENE	General shot of Tr71
231	SSE	Rep shot of Tr98
232	ENE	General shot of Tr98
233	WSW	Hen shot of Tr98
234	S	Rep shot of Tr24
235	S	General shot of Tr24
236	S	General shot of Tr24
237	NNW	Rep section of Tr18
238	NNE	General shot of Tr18
239	SSW	General shot of Tr18
240	ENE	Rep section of Tr17
241	NNW	General shot of Tr17
242	SSE	General shot of Tr17
243	WNW	Rep section of Tr36
244	NE	General shot of Tr16
245	SW	General shot of Tr16
246	E	Test pit at southern end of Tr57
247	W	Test pit at southern end of Tr57
248	E	Test pit at Northern end of Tr59
249	W	Test pit at Northern end of Tr59
250	E	Test pit at southern end of Tr104
251	NW	Record Section shot of Tr20
252	SW	General shot of Tr20
253	NE	General shot of Tr20
254	NE	SW facing section of Tr22
255	SE	General record shot of Tr22
256	NW	General record shot of Tr22
257	E	West facing section of Tr23
258	N	General shot of Tr23
259	S	General record shot of Tr23
260	NW	SE facing section of Tr14
261	SW	General shot of Tr14

262	NE	General shot of Tr14
263	E	West Facing record shot of Tr10
264	N	General shot of Tr10
265	S	General shot of Tr10
266	E	West facing record shot of Tr12
267	SE	General shot of Tr12
268	NW	General shot of Tr12
269	E	West Facing section shot of Tr11
270	S	General shot of Tr11
271	N	General shot of Tr11
272	S	Record shot Tr106
273	N	Record shot pf Tr106
274	W	East Facing Section of Tr106
275	N	Record shot Tr107
276	W	Test Pit at N end of Tr104
277	N	Test pit at E end of Tr87
278	SE	Test pit at E end of Tr87
279	S	Test pit at E end of Tr87
280	-*	Test pit at E end of Tr90
281	S	Test pit at E end Tr92
282	N	Test pit at E end of Tr92
283	N	Test pit at E end of Tr62
284	S	Test pit at E end of Tr62
285	N	Test pit at E end of Tr90
286	S	Test pit at E end of Tr90
287	NNW	Representative section of Tr19
288	W	General view of Tr19
289	E	General view of Tr19
290	SE	Representative section of Tr15
291	NNE	General shot of Tr15
292	SSW	General shot of Tr15
293	WSW	Representative section of Tr9
294	WSW	Representative section of Tr9
295	NNW	General shot of Tr9
296	SSE	General shot of Tr9
297	SSE	Representative section of Tr8
298	ENE	General shot of Tr8
299	WSW	General shot of Tr8
300	E	Representative section of Tr7
301	S	General shot of Tr7
302	N	General shot of Tr7
303	S	Representative Section of Tr1 showing [104+106]
304	N	Representative section of Tr1
305	E	General shot of Tr1

306	W	General shot of Tr1
307	N	Representative shot of Tr2
308	E	General shot of Tr1
309	W	General shot of Tr1
326	S	Tr107 Record shot
327	W	Tr107 E facing section
328	N	Tr23 Record shot
329	S	Tr23 Record shot
330	W	Tr23 E facing section
331	W	Tr20 Record shot
332	E	Tr20 Record shot
333	N	Tr20 South facing section
334	NW	Tr22 Record shot
335	SE	Tr22 Record shot
336	NE	Tr22 South west facing section
337	WSW	Tr13 Record shot
338	WSW	Tr13 Record shot
339	ENE	Tr13 Record shot
340	ENE	Tr13 Record shot
341	NNW	Tr13 SSE Facing section
342	WSW	Tr14 Record shot
343	ENE	Tr14 Record shot
344	NNW	Tr14 SSE Facing section
345	SSE	Tr10 Record Shot
346	NNE	Tr10 Record Shot
347	WNW	Tr10 ESE facing section
348	S	Tr11 Record shot
349	N	Tr11 Record shot
350	E	Tr11 W. Facing section
351	S	Tr05 Record shot
352	N	Tr05 Record shot
353	W	Tr05 E facing section
354	S	Tr04 Record Shot
355	N	Tr04 Record Shot
356	W	Tr04 E Facing section
357	N	Tr06 Record shot
358	S	Tr06 Record shot
359	W	Tr06 E facing section
360	S	Tr03 Record Shot
361	N	Tr03 Record shot
362	W	Tr03 E Facing section
363	N	Tr97 N Facing Record shot
364	S	Tr97 S Facing Record Shot
365	E	Tr97 W Facing section

366	SW	Tr79 General shot
367	NE	Tr79 General Shot
368	NW	Tr79 Reference shot Section
369	N	Tr65 General Shot
370	S	Tr65 General Shot
371	W	Tr65 Reference E facing section
372	S	Tr60 General Shot
373	N	Tr60 General shot
374	W	Tr60 Reference section, E Facing
375	S	Tr59 General Shot
400	N	Tr59 General Shot
401	E	Tr59 E Facing section Reference
402	W	Tr43 General Shot
403	E	Tr43 General Shot
404	N	Tr43 S Facing Reference section
405	S	Tr34 General Shot
406	N	Tr34 General Shot
407	W	Tr34 E Facing Reference section
408	W	Tr32 General Shot
409	E	Tr32 General Shot
410	S	Tr32 N Facing Section Reference shot
1001		Reference Photo shot film GBSG 01
1002	NW	SE Facing section of posthole [8604]
1003	NW	SE Facing section of post pipe [8606] + [7622]
1004	NW	SE Facing + Plan of [8604] + [8606] (+7623)
1005	SW	NE Facing section of [8504]
1006	NE	SW Facing section [8504]
1007	NNW	SSE Facing section of [8506]
1008	SSE	NNW Facing section [8506]
1009	W	Series of E-W Furrows [Context 9404]
1010	W	Shot through furrow [9404]
1011	W	Pre-ex shot of possible surface feature, Tr91 [9104]
1012	E	Pre-ex shot of possible surface feature, Tr91 [9104]
1013	W	Tr91 Shot of possible surface/ post ex [9104]
1014	E	Tr91 Shot of possible surface/ post ex [9104]
1015	W	Tr91 E Facing section of possible surface [9104]
1016	E	Tr91 Plan Shot
1017	S	Tr91 Shot of feature [9104]
1018	NNE	Tr77 SSW Facing section [7704]
1019	SSW	Tr77 NNE Facing section [7704]
1020	W	Tr89 [8904] E Facing section.
1021	E	Tr89 [8904] W Facing section.
1022	E	Tr89 [8904] Close

1023	E	Tr89 [8904] Wide
1024	E	Tr89 [8904] Mid
1025	W	Tr89 [8904] Wide
1026	W	Tr89 [8904] Close
1027	W	Tr89 [8904] Close
1028	E	Tr76 West facing section [7606]
1029	W	Tr76 West Facing section [7606]
1030	E	Tr76 West facing section of [7608]
1031	W	Tr76 East Facing section of [7608] Oblique
1032	E	Shot of feature [7608]
1033	SE	Tr78 N facing section of feature [7803]
1034	NW	S facing section [7803]
1035	WNW	Cut [7803]
1036	SSW	NNE facing section [8204]
1037	NNE	SSW facing section [8204] Oblique
1038	NE	SW Facing section [8208]
1039	SW	NE Facing section [8206]
1040	NE	SW Facing section [8208]
1041	E	NW Facing section of [6404]
1042	E	General shot of terminal end of ditch [6404]
1044	S	N Facing section [6504]
1045	N	S Facing section of [6505]
1046	N	Tr63 Plan post ex
1047	W	E Facing section [6104]
1048	E	W Facing section of [6104] Oblique
1049	NW	SE Facing section [4604]
1050	SE	NW Facing section [4604] Oblique
1051	S	N Facing section [6804]
1052	N	S Facing section [6804] Oblique
1053	S	N Facing section [6806] Oblique
1054	N	S Facing section [6806]
1055	S	N Facing section [6804]
1056	N	South Facing section [6804] Oblique
1057	S	North Facing section [6804]
1058	N	South Facing section [6804] Oblique
1059	S	N Facing section [6804]
1060	N	South Facing section [6804] Oblique
1061	N	S Facing section [4606]
1062	S	N Facing section [4707]
1063	N	S Facing Section [4704]
1064	Plan	Planned shot of charred organic material Tr44
1065	N	S Facing section [4304]
1066	S	North Facing section [4304] Oblique
1067	S	North Facing section [3304]

1068	N	S Facing section [3304]
1069	NNE	SSW Facing section [3104]
1070	SSW	NNE Facing section [3014] Oblique
1071	Plan	Plan shot of burnt patch [10704]
1072	Plan	Plan shot of burnt patch [10704]
1073	SSE	NNW Facing section [10706]
1074	Plan	Plan shot of furrow [10706]
1075	E	NW Facing section of Tr25/ [2508]
1076	SE	NW Facing section of [2504] Ditch. *Black and white only
1077	SE	NW Facing section of [2509] ditch + [2512]
1078	NW	SE Facing section of [2509] + [2512] feature
1079	NW	SE Facing section of [2515] Ditch/Furrow
1080	-	(b&w) Film #03 Reference Shot
1081	SSE	NNW Facing section of furrow/ditch [10707]
1082	NNW	SSE Facing section of furrow/ditch [10707]
1083	S	N Facing section of furrow/ditch [10504]
1084	N	S Facing section of furrow/ditch [10504]
1085	S	North Facing section of ditch [3604]
1086	N	S Facing section of ditch [3604] [3605]
1087	N	S Facing section of ditch [3604] [3605]
1088	N	S Plan of ditch [3604] [3606]
1089	S	Plan of different ploughs/furrows in Tr35
1090	NNW	SSE Facing section of furrow/ditch Tr105
1091	SSE	NNW Facing section of furrow/ditch Tr105
1092	S	N Facing section of ditch/pit
1093	Plan	Plan shot of ditch/pit Terminal end
1094	SSE	MMW Facing section Furrow Tr104
1095	NNW	SSE Facing section Furrow Tr104
1096	SSE	Half sectioned pit [0604] Plan
1097	SSE	NNW Facing section through pit [0604] + [0605]
1098	E	W Facing section of ditch [0505]
1099	N	S Facing section of ditch [2306] + [2308]
1100	S	N Facing section of ditch [2306] + [2308]
1101	W	E Facing section of post hole [2304]
1102	E	W Facing section of organic deposit [0304]
1103	Plan	Plan shot of organic patch [0304]
1104	SSE	Plan shot modern pipe trench + plough scar
1105	SSE	Tr06 West Facing section
1106	S	N Facing section of [2312] Posthole
1107	S	N facing section of [2314] Posthole
1108	S	N Facing section of [2316] Posthole
1109	S	North Facing section of [2318] Posthole
1110	S	Plan of [2312] [2314] [2316] [2318] Postholes
1111	N	S Facing section of [2004] Furrow

1112	Plan	Plan shot of intercutting furrow [10407] [10409]
1113	E	W Facing section of Furrow [10407] Oblique
1114	NNW	SSE Facing section of furrow [0407] [0409]
1115	N	S Facing section of furrow [5404]
1116	N	South Facing section of pit including [3705], [3707]
1117	N	Oblique picture of pit [3705], [3707]
1118	N	Oblique picture of pit [3705], [3707]
1119	NW	SW facing section [10604]
1120	NNW	SSE Facing section [10604]
1121	SW	NE Facing section [10604]
1122	N	Oblique shot of burnt area Tr39 [3905]
1123	SSE	Plan of field boundary ridge and furrow field system
1124	SSE	View of field boundary ridge and furrow Tr106
1125	NNW	View of field boundary ridge and furrow Tr106 [10606] + [10608]
1126	S	North Facing section of possible pit [3907]
1127	S	Plan of possible pit [3907]
1128		Camera film reference shot
1129	SSW	Plan shot of burnt area SSW End of Tr51 [5104]
1130	W	Tr010 Geo test pit east facing section
1131	E	Tr010 Geo test pit west facing section
1132	NNE	Tr51 plan shot of large burnt area [5105]
1132	SSE	Tr074 – Plan view linear [7404]
1133	SSE	NNW Facing section through linear [7404]
1134	NNW	Plan of linear [7404]
1135	NNW	Plan of linear [7404] – Excavated section
1136	NNW	SSE Facing section through linear [7404]
1137	WSW	ENE Facing section Through linear [7404]
1138	WNW	Shot of plough scars in trench extension of Tr69
1139	NW	South East facing section of furrow [4105]
1140	NW	Plan of furrow [4105]
1141	NW	Section of furrow [4805] SE Facing
1142	E	W Facing section of possible ditch [4807]
1143	SSE	NNW Facing section of ditch [5804]
1144	NNW	SSW Facing section of ditch [5804]
1145	SSE	Continuation of linear ditch in tr47
1146	NNW	Continuation of linear/ditch in tr47
1147	NNW	Continuation of linear/ditch in Tr63
1148	NNW	Continuation of linear/ditch in Tr64
1149	N	Tr38 plan shot of linear [3804]
1150	N	S Facing section through linear [3804] Fully excavated
1151	S	Plan shot of linear [3804]
1152	SW	Tr38 NE Facing section through linear [3804] only top [3805] removed
1153	SE	NW facing section of ditch [6608]

1154	NW	SE Facing section of ditch [6608]
1155	Plan	Plan View of gully/furrow [9804]
1156	N	S Facing section W. end of Tr001 showing redeposited topsoil + Geological substrate
1157	E	W Facing section of probable ditch [1604]
1158	S	N Facing section [0203]
1159	W	E Facing section [0203]
1160	W	General reference shot of pit/ Geological feature
1161	SE	NW Facing section of ditch [1506]
1162	W	E Facing section of ditch [1506]
1163	SE	General shot of ditch [1506]
1164		Film reference shot
1165	N	Plan/Context of linear ditch [2505]
1166	S	Plan context of linear ditch [0205]
1167	N	Plan shot of linear ditch [0205]
1168	N	S. Facing section through ditch [0205]
1169	S	N Facing section through ditch [0205]
1170	S	N Facing section through ditch [0205] + T scale
1171	S	Close up of roots at base of ditch [0205]
1172	E	Section of Geo pit at E end of Tr007
1173	W	Section of Geo pit at E end of Tr007
1174	E	Section of Geo pit at E end of Tr017
1175	W	Section of Geo pit at E end of Tr017
1176	SE	NW facing section of ditch [1508]
1177	NNW	SSE Facing section of ditch [0210]
1179	NNW	Plan of ditch [0210]
2001	W	S Facing section of slot [8104
2002	E	East Facing section of possible furrow [7005]
2003	N	South facing section of possible furrow [7205]
2004	E	W Facing section shot of Tr83
2005	N	South Facing section of furrow [2605]
2006	N	Plan of furrow [2605]
2007	SW	NE Facing section of [2504]
2008	NE	SW Facing section of [2504]
2009	NE	SW Facing section of [2504]
2010	NE	Plan of Tr25 with [2505] Ditch
2011	N	South Facing section of furrow [2905]
2012	N	Plan of furrow [2905]
2013	N	South facing section of furrow [2805]
2014	N	Plan of furrow [2805]
2015	S	North Facing section of furrow [2705]
2016	N	South facing section of furrow [2707]
2017	N	Plan of furrow [2707]
2018	SE	[2509] [2512] NW Facing section
2019	NW	SE Facing section of [2509]

2020	SE	NW Facing section of [2512]
2021	SE	Plan of [2509] [2512]
2022	NW	[2509] [2512] SE plan
2023	S	North Facing section of furrow [10105]
2024	S	Plan of furrow [10105]
2025	NW	SE Facing section of ditch [10205]
2026	NW	Plan of ditch [10205]
2027	NW	SE Facing section of ditch [2515]
2028	N	S Facing section of furrow [10305]
2029	N	Plan of furrow [10305]
2030	S	North Facing section of furrow [3005]
2031	S	Plan of furrow [3005]

Appendix III – Sample Register

Sample Number	Context Number	Description
1	[8605]	Fill of posthole [8604]
2	[8607]	Fill of post pipe [8606]
3	[7706]	Fill of pit [7704]
4	[6405]	Fill of ditch [6404]
5	[6506]	Fill of [6504]
6	[6805]	Fill of ditch linear [6804]
7	[6807]	Fill of ditch [6806]
8	[4404]	Fill of posthole or organic patch of material [4405]
9	[2505]	Fill of furrow [2505]
10	[6604]	Burnt deposit. Maybe some very degraded black pot
11	[2510]	Fill of ditch [2509]
12	[2511]	Fill of ditch [2509]
13	[2513]	Fill of ditch [2512]
14	[2514]	Fill of ditch [2512]
15	[10706]	Fill of furrow [10705]
16	[10708]	Fill of ditch
17	[3605]	Fill of ditch [3604]
18	[0605]	Fill of small pit [0604]
19	[2309]	Fill of ditch [2308]
20	[0305]	Fill of discreet feature [0304]
21	[3904]	Burnt deposit [3904]
22	[2312]	Fill of posthole [2312]
23	[2314]	Fill of posthole [2314]
24	[2304]	Fill of posthole [2304]
25	[2316]	Fill of posthole
26	[2318]	Fill of posthole
27	[5104]	Surface Burning
28	[4004]	Surface Burning
29	[3805]	Fill of linear [3804] – Top
30	[4705]	Fill of [4704]
31	[4607]	Fill of [4606]
32	[6405]	Fill of [6404]
33		VOID – Not Needed
34	[3806]	Fill of linear [3804] – Primary
35	[6607]	Fill of ditch [6608]
36	[0206]	Top fill of linear [0205]
37	[0207]	Fill of linear [0205]
38	[0208]	Primary fill linear [0205]
39	[1504]	Top fill of ditch [1506]
40	[1505]	Bottom fill of ditch [1506]
41	[0208]	Root from base of linear [0205] with [0208]

42	[0210]	Fill of ditch [0210]

Appendix IV – Finds Catalogue

Trench	Context	Feature	Sample	Quantity	Weight (g)	Material	Object	Description	Spot Date
U/S	U/S	U/S		1	3	Pottery (Medi)	F324	Brill/Boarstall Ware	13th-16th
U/S	U/S	U/S		1	11	Pottery (Medi)	F329	Potterspury Ware	1250-1600
001	00103	geological substrate 0103		1	5	Pottery (PM)	F407	Red Earthenware	1550-1600
002	00206	linear 0205	36		0	Industrial Waste	Mag Res	magnetised gravel	
002	00207	linear 0205	37		0	Industrial Waste	Mag Res	magnetised gravel	
002	00210	ditch 0210	42	17	0	CBM	Fired Clay	amorphous lumps, abraded	
003	00305	pit 0304	20	2	0	Lithics	Debitage	flint chips	PH
006	U/S	U/S		1	6	Lithics	Debitage	flint blade, burnt and broken, platform trimming	PH
006	00605	pit 0604	18	13	2	CBM	Fired Clay	amorphous lumps, abraded	
015	01505	ditch 1506	40		0	Industrial Waste	Mag Res	magnetised gravel	
020	02002	subsoil 2002		1	2	Lithics	Debitage	hard hammer flint blade, missing distal tip	PH
022	02202	subsoil 2202		1	0	Lithics	Debitage	inner flint flake fragment	PH
023	02309	ditch 2308	19		1	Industrial Waste	Mag Res	magnetised gravel	
023	02309	ditch 2308	19	1	0	Lithics	Debitage	potlid fracture	PH
025	02505	furrow 2504	9	70	281	CBM	Fired Clay	amorphous lumps, abraded	
025	02505	furrow 2504	9		53	Industrial Waste	Mag Res	magnetised gravel	
025	02510	ditch 2509	11	125	18	CBM	Fired Clay	amorphous lumps, abraded	
025	02511	ditch 2509	12	100	15	CBM	Fired Clay	amorphous lumps, abraded	
025	02513	ditch 2509	13	50	17	CBM	Fired Clay	amorphous lumps, abraded	
025	02513	ditch 2509	13		1	Industrial Waste	Mag Res	magnetised gravel	
025	02514	ditch 2509	14	50	14	CBM	Fired Clay	amorphous lumps, abraded	
025	02514	ditch 2509	14		26	Industrial Waste	Mag Res	magnetised gravel	
036	03605	ditch 3604	17		4	Industrial Waste	Mag Res	magnetised gravel	

Trench	Context	Feature	Sample	Quantity	Weight (g)	Material	Object	Description	Spot Date
037	U/S	U/S		1	155	Lithics	Core	irregular platform core, one platform used, only a few flakes removed	PH
038	03805	linear 3804	34		0	Industrial Waste	Mag Res	magnetised gravel	
038	03805	linear 3804	29		0	Industrial Waste	Mag Res	magnetised gravel	
038	03805	linear 3804		3	59	Stone	burnt	burnt stone	PH
039	03904	pit 3905	21	75	43	CBM	Fired Clay	amorphous lumps, abraded	
039	03904	pit 3905		2	0	CBM	Daub/pottery		
039	03904	pit 3905	21		73	Industrial Waste	Mag Res	magnetised gravel	
040	04004	surface 4004	28	21	1	CBM	Fired Clay	amorphous lumps, abraded	
040	04004	surface 4004	28		3	Industrial Waste	Mag Res	magnetised gravel	
046	04607	ditch 4606	31		7	Industrial Waste	Mag Res	magnetised gravel	
046	04607	ditch 4606	31	3	1	Lithics	Debitage	small secondary flake and two chips	PH
047	04705	ditch 4704	30		17	Industrial Waste	Mag Res	magnetised gravel	
051	05104	surface burning 5104	27	29	12	CBM	Fired Clay	amorphous lumps, abraded	
051	05104	surface burning 5104	27		23	Industrial Waste	Mag Res	magnetised gravel	
058	U/S	U/S		4	71	Glass	Bottle	green wine bottle neck	1770-1800
058	U/S	U/S		1	27	Lithics	Tool	distal end scraper, abrupt retouch to all edges	PH
063	06306	ditch 6304	5		19	Industrial Waste	Mag Res	magnetised gravel	
064	06405	ditch 6404	4	1	0	CBM	Fired Clay	amorphous lumps, abraded	
064	06405	ditch 6404	32		16	Industrial Waste	Mag Res	magnetised gravel	
064	06405	ditch 6404	4		8	Industrial Waste	Mag Res	magnetised gravel	
064	06405	ditch 6404	32	1	0	Lithics	Debitage	flint chip	PH
064	06405	ditch 6404	4	1	0	Lithics	Debitage	flint chip	PH
066	U/S	U/S		1	104	Stone	burnt	burnt stone	PH

Trench	Context	Feature	Sample	Quantity	Weight (g)	Material	Object	Description	Spot Date
066	06604	burnt area 6604	10	250	445	CBM	Fired Clay	amorphous lumps, abraded	
066	06604	burnt area 6604	10		65	Industrial Waste	Mag Res	magnetised gravel	
066	06607	ditch 6608	35		2	Industrial Waste	Mag Res	magnetised gravel	
068	06807	ditch/water channel 6806	7		0	Industrial Waste	Mag Res	magnetised gravel	
077	07706	pit 7704	3	75	21	CBM	Fired Clay	amorphous lumps, abraded	
077	07706	pit 7704	3		55	Industrial Waste	Mag Res	magnetised gravel	
086	08605	post-hole 8604	1		1	Industrial Waste	Mag Res	magnetised gravel	
086	08605	post-hole 8604	2	1	0	Lithics	Debitage	potlid fracture	PH
086	08607	post-pipe 8606	2	8	4	CBM	Fired Clay	amorphous lumps, abraded	
086	08607	post-pipe 8606	2		5	Industrial Waste	Mag Res	magnetised gravel	
089	08905	linear 8904		1	2	Pottery (PM)	F413	Manganese Glazed Ware	1680-1750
105	U/S	U/S		1	7	Lithics	Tool	long thin flake with some fractures to edges and distal tip; small area of retouch visible to the right of the distal tip	PH
107	10706	furrow 10705	15		3	Industrial Waste	Mag Res	magnetised gravel	
107	10706	furrow 10705	15	1	6	Lithics	Debitage	secondary flint flake	PH

Appendix VI – Environmental Flotation Catalogue

Context Number	Sample Number		Trench	Total flot Vol (ml)	Barley	Wheat	Indet. cereal	Weeds	Other Charred plant remains	Charcoal Quantity	Charcoal Max size (mm)	Material sufficient for AMS	Comments
0206	36	Top fill of Ditch [0205]	TR 02	30						++	2	N	Uncharred root fragments ++++, uncharred wood/bark fragments +++
0207	37	Fill of Ditch [0205]	TR 02	200						++	1	N	Uncharred root fragments ++, worm eggs +++, uncharred wood fragments +++, insect remains +
0208	38	Primary fill of Ditch [0205]	TR 02	10						++	6	N	Uncharred root fragments ++
0210 **0209**	42	Ditch [0210]	TR 02	10						++	1	Y	Uncharred root fragments ++
0305	20	Pit [0304]	TR 03	50						++++	30	Y	Uncharred root fragments ++, charred round wood fragment, 1 indet unburnt bird bone fragment (0.9g)
0605	18	Oval Pit [0604]	TR 06	10						+++	9	Y	Uncharred root fragments +++
1504	39	Ditch [1506]	TR 15	30						+++	2	N	Uncharred root fragments ++++, worm egg capsules +
1505	40	Ditch [1506]	TR 15	20						++	10	Y	Uncharred root fragments +++, insect remains +
2304 **2305**	24	Post Hole [2304]	TR 23	10					+	+++	4	Y	Uncharred root fragments ++, worm eggs +, grape seed (*Vitis vinifera*)
2309	19	Ditch [2308]	TR 23	5						++	2	N	Uncharred root fragments ++
2313	22	Post-Hole [2312]	TR 23	5						++	3	N	Uncharred root fragments +, worm eggs ++
2314	23	Post-Hole [2314]	TR 23	5						++	11	Y	Uncharred root fragments +
2317	25	Post-Hole [2316]	TR 23	5						-	-	N	Uncharred root fragments +
2318	26	Post-Hole [2318]	TR 23	10						+++	5	N	Uncharred root fragments +++
2510	11	1st fill of Ditch [2509]	TR 25	10						+	1	N	Uncharred root fragments +
2514	14	2nd upper fill of recut [2512]	TR 25	600						+++	10	Y	Uncharred root fragments ++++, uncharred wood fragments +++
3605	017	Ditch [3604]	TR 36	100						+++	1	N	Uncharred root fragments ++++, worm eggs +++
3805	29	Top fill of Ditch [3804]	TR 38	30				+		++	1	N	Uncharred root fragments ++++, insect remains +, charred grass seed <2mm +
3806	34	Primary fill of Ditch [3804]	TR 38	30						++	3	N	Uncharred root fragments ++++, insect remains ++

3904	21	Pit [3905]	TR 39	400	+	+			+	++++	50	Y	Charred round wood fragments +++, bread/club wheat grain, indet fruit stone, grape seed *(Vitis vinifera*) , onion couch
4004	28	Long burnt patch on surface	TR 40	5				+	+	++	1	Y	Uncharred root fragments ++, uncharred round wood/bark fragments ++, charred indet fruit stone +, grass seed <2mm +
4404	08	Black charred organic deposit in [4405]	TR 44	600		++	+			++++	10	Y	Uncharred root fragments ++++, insect remains +, worm eggs ++, cereal indet cf Barley grain
4607	31	Ditch [4606]	TR 46	100						+	3	N	Uncharred root fragments ++++
4705	30	Ditch [4704]	TR 47	10					+	++	3	N	Uncharred root fragments +++, worm eggs ++, charred fruit stone +
5104	27		TR 51	50					+	++	4	Y	Uncharred root fragments +++, charred indet fruit stone +, onion couch tuber +
6306	005	Ditch [6304]	TR 63	30					+	+++	10	Y	Uncharred root fragments ++++, onion couch tuber +
6405	4	Ditch terminus [6404]	TR 64	10						++	2	N	Uncharred root fragments ++, worm eggs +
6405	32	Ditch terminus [6404]	TR 64	30						+	1	N	Uncharred root fragments ++
6604	10	In-situ burning area	TR 66	50						+++	13	Y	Uncharred root fragments, worm eggs ++, insect remains +
6607	35	Ditch [6608]	TR 66	50						++	2	N	Uncharred root fragments ++++, worm eggs ++
6805	6	Ditch [6804]	TR 68	50		+				+++	12	Y	Uncharred root fragments ++++, grains of indet wheat, bread/club wheat
6807	7	Ditch [6806]	TR 68	50						++	3	N	Uncharred root fragments +++
7706	3	Base fill of Pit [7704]	TR 77	10		+			+	+++	4	Y	Uncharred root fragments ++, bread/club wheat grain, onion couch tuber
8605	1	Pit/Post-Hole [8604]	TR 86	20						++	1	N	Uncharred root fragments ++++
8607	2	Post Pipe [8606]	TR 86	30					+	+++	2	N	Uncharred root fragments ++++, worm eggs +++, insect remains +++, indet fruit stone +
10706	15	Furrow [10705]	TR 107	30						+++	5	N	Uncharred root fragments +++, worm eggs ++
10708	16	Furrow [10707]	TR 107	50						++++	12	Y	Uncharred root fragments ++++, worm eggs ++, fungal sclerotia ++

Key: + = rare (1-5), ++ = occasional (6-15), +++ = common (16-50) and ++++ = abundant (>50)
NB charcoal over 10mm is sufficient for identification and AMS dating

Appendix VII – Environmental Residue Catalogue

Context Number	Sample Number	Feature	Trench	Sample Vol (l)	Ceramic		Stone					Uncharred plant	Charred Plant	Charcoal		Material sufficient for AMS Dating	Comments
					Pottery	Daub	Lithics	Stone	Mag res	Other	Wood		cereal grain	Quantity	Max Size (mm)		
0206	36	Top fill of Ditch [0205]	TR 02	40					++					-	-		
0207	37	Fill of Ditch [0205]	TR 02	80		++			++		+++	++		-	-		
0208	38	Primary fill of Ditch [0205]	TR 02	18										-	-		Archaeologically sterile
0210 **0209**	42	Ditch [0210]	TR 02	20		+								++	5		
0305	20	Pit [0304]	TR 03	5										++	7		
0605	18	Oval Pit [0604]	TR 06	5		++											
1504	39	Ditch [1506]	TR 15	20										++	1		
1505	40	Ditch [1506]	TR 15	20			+		+++					+++	10	Y	Mineralised charcoal
2304 **2305**	24	Post Hole [2304]	TR 23	0.2										-	-		
2309	19	Ditch [2308]	TR 23	10			+		+++		+			-	-		
2313	22	Post-Hole [2312]	TR 23	5										-	-		Archaeologically sterile
2314 **2315**	23	Post-Hole [2314]	TR 23	5										-	-		Archaeologically sterile
2317	25	Post-Hole [2316]	TR 23	0.5										-	-		
2318 **2319**	26	Post-Hole [2318]	TR 23	10										-	-		
2505	9	1st fill of Furrow [2504]	TR 25	20		++++			++++					+	5		Waterlogged sample, Mineralised charcoal
2510	11	1st fill of Ditch [2509]	TR 25	10		++++								++	1		Mineralised charcoal
2511	12	2nd fill of Ditch [2509]	TR 25	10		+++								++	5		Waterlogged sample
2513	13	1st fill of recut [2512]	TR 25	10		++++			+++					-	-		Waterlogged sample
2514	14	2nd upper fill of recut [2512]	TR 25	10		+++			++++					-	-		
3605	017	Ditch [3604]	TR 36	20					+++					-	-		
3805	29	Top fill of Ditch [3804]	TR 38	40					++					++	20		
3806	34	Primary fill of Ditch [3804]	TR 38	40					++	+	+			-	-		
3904	21	Pit [3905]	TR 39	30	+	++++			++++		++++			++++	20	Y	
4004	28	Long burnt patch on surface	TR 40	5		++			++++					++	2		
4404	08	Black charred organic deposit in [4405]	TR 44	10									+	++	1		wheat indet grain, very poor preservation
4607	31	Ditch [4606]	TR 46	40			++		++++					-	-		
4705	30	Ditch [4704]	TR 47	40			++		++++					+	5		Mineralised charcoal
5104	27		TR 51	20		++			++++					-	-		Mineralised charcoal

6306	005	Ditch [6304]	TR 63	40				+++	++++					-	-		
6405	4	Ditch terminus [6404]	TR 64	20		+	++		++++					-	-		
6405	32	Ditch terminus [6404]	TR 64	40			+++	+	++++					-	-		
6604	10	In-situ burning area	TR 66	20		++++	+		++++					+	7		
6607	35	Ditch [6608]	TR 66	40			+		+++					-	-		
6805	6	Ditch [6804]	TR 68	30										-	-		
6807	7	Ditch [6806]	TR 68	30					++	+				+	5		
7706	3	Base fill of Pit [7704]	TR 77	10		++++			++++					-	-		
8605	1	Pit/Post-Hole [8604]	TR 86	10			+		++++					-	-		
8607	2	Post Pipe [8606]	TR 86	10		++			++++					+	5		Mineralised charcoal
10706	15	Furrow [10705]	TR 107	20			+		++++					+++	1		
10708	16	Furrow [10707]	TR 107	20										++	1		

Key: + = rare (0-5), ++ = occasional (6-15), +++ = common (15-50) and ++++ = abundant (>50)

NB charcoal over 10mm is sufficient for identification and AMS dating

Appendix VIII – Waterlogged Samples Catalogue

Context Number	Sample Number	Feature	Trench	Total Volume (ml)	Seeds	degraded wood fragments	leaf fragments (undifferentiated)	Stem fragments	undifferentiated epidermis fragments	root fragments	Charcoal		Material sufficient for AMS	Comments
											Quantity	Max size (cm)		
2511	12	2nd fill of Ditch [2509]	TR 25	400	+++	++	++	++	+++	++++	++	5	N	Uncharred insect remains, worm eggs. Epidermal, woody stem & leaf fragments
2505	9	1st fill of Furrow [2504]	TR 25	400	+++	++	++	++	+++	++++	++	7	N	Uncharred insect remains, worm eggs. Epidermal, woody stem & leaf fragments
2513	13	1st fill of recut [2512]	TR 25	400	+++	++	++	++	+++	++++	++	3	N	Uncharred insect remains, worm eggs. Epidermal, woody stem & leaf fragments
Key: + = rare, ++ = occasional, +++ = common and ++++ = abundant **NB** charcoal over 1cm is suitable for identification and AMS dating														

Appendix IX - Hand Collected Animal Bone Catalogue

Context	Feature	Trench	Condition	Weight (g)	No. of fragments	Medium sized mammal	Comments (fragmentation, diversity cutmarks and other observations re. bone type
6306	Ditch [6304]	63	Poor	6.5	1	1	Rib fragment; possible signs of butchery

Appendix X – Geoarchaeology Assessment Report

1. Introduction

The Nene valley contains an extensive suite of post-Anglian sands and gravels (i.e. post *c.*450 ka BP; Marine Isotope Stage 12) mapped as either elevated terrace surfaces or beneath the modern floodplain (sub-alluvial gravels). These sands and gravels have yielded a significant assemblage of Lower and Middle Palaeolithic tools, though rolled examples may well have been reworked from pre-Anglian terrace deposits, through several earlier glacial-interglacial cycles (Wymer, 1999, Wymer, 2004; Meadows et al., 2009). In addition, cropmarks, features, artefacts and environmental remains found at or near the surface of the elevated terrace deposits record significant evidence for landscape development and human activity over the postglacial (Holocene) period (Brown, 2004; Keevill, 1992; Brown and Allen, 2009; Meadows et al., 2009; Parry, 2006).

Given the rich landscape history of the Nene valley, a geoarchaeological assessment (auger survey) was commissioned as part of a wider package of archaeological evaluations for a parcel of land at Great Billing, Northamptonshire, in advance of a proposed application for mineral extraction.

This report describes the results of this auger survey and geoarchaeological assessment. Whilst written as a stand-alone report, it should be read in conjunction with the results of the wider archaeological evaluation, which are reported separately.

2. Site Topography & Mapped Geology

The area evaluated was located on land immediately to the east of Great Billing sewage treatment works and accessed via the Anglian Water site. The evaluation area was divided in two by a metalled private track that cut across the site in a west-east direction from the treatment works. It was further divided by a north-south, single-track public road that connected Lower Ecton Lane with the contemporary riverbank. To the south of the evaluation area immediately adjacent the river, significant quarrying has already taken place and a mixture of unrestored and restored wetlands are present. No obvious palaeochannels were identified from aerial photography (Google Earth) as soil marks or suggested by the planform of contemporary field boundaries and ditches.

At the time of evaluation (February/March 2016), the area was under arable cultivation with a low cereal crop across the majority of the site (**Plate 1**).

Physiographically, the area can be described as valley floor and contemporary floodplain of the river Nene. British Geological Survey (BGS) mapping of superficial deposits indicates that Pleistocene terrace sands and gravels of the Ecton Member crop out across the northern edge of the site and form the slightly higher ground across which Lower Ecton Lane and the A45 run. A tongue of sand and gravel is mapped southwards from Lower Ecton Lane as far as the woodland copse at the far eastern end of the site and is noted on the ground by a clear break of slope and increase in surface elevation of around 1m onto the gravel terrace (**Plate 2**). Debris from borehole drilling on this higher terrace indicates that the durable lithologies of gravel are dominated by cobbles of flint, and smaller clasts of quartzite and flint (**Plate 3**). The underlying bedrock geology comprises Whitby Mudstone Formation of Jurassic age (previously known as the Upper Lias Clay) and therefore these durable rocks are 'exotic' lithologies, introduced to the region by past glacial and fluvioglacial activity.

The Ecton Member (Maddy, 1999) is equivalent to the Floodplain Gravels of Castleden (1976) and coeval with the First Terrace deposits of older BGS mapping; though there is a topographic step of 2-3.5m between the two in the landscape, the sediments between them are considered as a continuous phase of deposition. These sands and gravels have yielded fossil biological assemblages attributable to the Middle Devensian (Holyoak and Seddon, 1984), a time period spanning *c.*50-25 ka BP. In the immediate vicinity of the site, the sub-alluvial gravels have yielded a fossil insect assemblage with arctic tundra affinities, which was radiocarbon-dated to 28,224 ± 330 yr BP (BIRM-75) (Morgan, 1969).

Plate 1. View south across the floodplain to the present River Nene.

Plate 2. View north-eastward highlighting the clear break of slope from the floodplain onto the (higher) terrace mapped as Ecton Member at the eastern margin of the site by the BGS.

Plate 3. Durable lithologies from the Ecton Member left as surface spoil by borehole drilling.

The remaining (southern) part of the site is mapped as postglacial (Holocene) alluvium overlying sub-alluvial gravels. The fine-grained alluvium is associated with contemporary floodplain processes of the river Nene.

Whilst this superficial geological sequence is typical of any number of river valleys in southern Britain, the upper part of the fine-grained alluvium at this site have been impacted upon significantly by past activities of the adjacent sewage treatment works. A series of pipes are buried at least 1m deep across the area and were used historically to distribute 'treated' sewage-waste, which was then spread onto the land. The surface of the fields are littered with inorganic, by-products of this practice. The network of pipes is interspersed by numerous, large concrete inspection chambers raised above the ground surface (*c.* 2m diameter) and there are also the remains of large, cast-iron sluice valves used to control the flow of effluent around the site.

The Ordnance Survey 6" map published in AD1884 shows that the area belonged to the 'Northampton Corporation' and a grid pattern of infrastructure is mapped across this site, with the entire area known as 'Irrigation Farm'. Nothing on this early map suggests that the floodplain of the site is developing naturally, for example, no palaeochannels are recorded.

3. Methodology

The full methodology for the auger survey is provided in the Written Scheme of Investigation for the site (Headland Archaeology, 2017). In total, 10 auger holes were drilled in two pre-agreed, broadly north-south transects perpendicular to the contemporary river. The positions of all auger points were recorded using dGPS. Augering allowed for an evaluation of sediment stratigraphy from the higher (Pleistocene) terrace across the postglacial floodplain.

The character of the deposits was investigated using 5cm 'dutch' head and gouge hand-augers with the type of fixture used dependent on local ground conditions. Coring ceased at the terrace sands and gravels. Sediments were described in the field using standard geological nomenclature (Jones et al., 1999).

4. Results

4.1. Augering Coring

Coring identified five 5 discrete units across the site reflecting the post-glacial evolution of the valley floor and human manipulation of sedimentation regimes. Core descriptions are provided in Appendix 1.

Unit 1 was observed in all cores drilled across the site and comprised a dark brown loam, which was light and friable with a notable organic component (**Plate 4**). The unit varied from 0.4m-0.65m in thickness. The mix of sand, silt and clay is likely to be derived from overbank flooding of the river (alluviation), whilst the organic component (which gives the unit its light and friable texture), was introduced by the spreading of treated sewage waste across the land, which was mixed through ploughing and other tillage practices. A contaminated land quantitative risk assessment report indicates that these sediments contain high levels of metal (arsenic, cadmium and copper), which is derived from the treated waste (MLM Consulting Ltd, 2015)

Plate 4. Unit 1 (brown loam) overlying Unit 2 (red brown clayey silt).

Unit 2 and Unit 3, stiff red brown clayey silt, and plastic orange brown silty clay respectively, are also widespread across the site and interpreted as natural overbank alluvium deposited by the river. The slight contrasts in colour and texture reflect subtle changes in energy conditions and the degree of oxidation, in turn, were shaped by fluctuations in groundwater levels across the site. The sediments of both Units 2 and 3 are inorganic in character and typical of minerogenic alluvium derived through enhanced soil erosion in the catchment; typically, this may have begun in the later prehistoric period, although Brown (2009) argues that in the Nene, soil erosion from the late Saxon and Medieval period (9th century onwards) was significant. The thickest alluvium on the site was observed in core A1, reaching a depth of 2.10m though it was more typically around 1-1.5m thick.

Unit 4 was a coarse sand and gravel, whilst Unit 5 was loamy sand; despite the grain size variation, both are interpreted as representing the top of the sub-alluvial gravels (as Plate 3) and were present in all cores from across the site.

4.2. Geotechnical Records

As part of the contaminated land risk assessment, 20 test pits were excavated between 2.5m and 3.8 m below ground level (BGL) using a wheeled excavator with a back-actor. Four cable-percussion boreholes were also drilled to a depth of 8.0m BGL to allow for the installation of monitoring equipment (MLM Consulting Ltd, 2015). Both the boreholes and test-pits demonstrated the same basic stratigraphy of postglacial alluvium, overlying late Pleistocene sands and gravels, in turn resting on

mudstone bedrock. Unfortunately, none of the geotechnical records have precise locations or surface heights recorded making them of limited value for further analysis (e.g. deposit modelling).

Given the shallow nature of hand-augering, these geotechnical records were reviewed to assess the potential of the sands and gravels to contain interbedded organic sediments suitable for environmental reconstruction (Appendices A & B, MLM Consulting Ltd, 2015). Whilst the boreholes provided no evidence for organic remains, three of the test pits describe fine-grained (humic) sediments interbedded between gravel units (Table 1). The depth of these deposits below ground level and their position between gravel units would suggest that they are probably of last Pleistocene date and certainly the thickness of sediments observed in TP11 and TP12 would support this hypothesis; because the environment was glacial at this time, the vegetation cover would have been sparse and therefore the thickness of any accumulating decaying organic matter would be expected to be relatively thin. In contrast, the organic deposit in TP7 is thicker and it is less definitively situated below (late Pleistocene) sands and gravels. Whilst the age of the sediments is not securely known, it is clear that organic sediments are preserved within the depositional sequences of the area and the recognition of visible plant remains by geotechnical engineers suggest good potential levels of preservation.

Table 1. Geotechnical descriptions recorded in test pits.

Test Pit No.	Sediment Description	Depth (metres BGL)
TP 7	silty clay with carbonaceous material	2.10-3.20
TP 11	silt with decaying plant matter and carbonaceous material	1.60-1.80
TP 12	silty clay with organic odour and plant material	2.9-3.3

5. Potential for Knowledge Enhancement through Deposit Modelling

The alluvial stratigraphy across the site is uniform and there is no significant variation in the character of the topography that might indicate the presence of landform elements such as gravel islands or palaeochannels. Furthermore, the upper part of the postglacial alluvium has been modified significantly by human activity. Therefore, it is unlikely that deposit modelling would increase knowledge of the site unless significant new borehole/test pit records were available for study.

6. Concluding Remarks and Statement of Geoarchaeological Potential

- Hand coring of superficial deposits at Great Billing demonstrated fine-grained, inorganic alluvium (loams, silts and silty clays) overlying sub-alluvial gravels, blanketing the site to a depth of generally 1m-1.5m. These minerogenic, inorganic alluvial deposits are typical of the fill of the lowland valley floors of Britain and are usually linked to enhanced periods of alluviation associated with past soil erosion. This alluviation is often assigned to later prehistory, although in the Nene, soil erosion from the late Saxon and Medieval period (9th century onwards) may have been a significant factor (Brown, 2009).
- No organic remains of postglacial (Holocene) age were recorded during augering and no palaeochannels or other features likely to contain organic materials were noted from aerial photographic or cartographic evidence.
- The upper part of the alluvium (0.40m-0.65m in thickness) is significantly altered by the addition of human effluent as part of historic sewage treatment practices, traceable on Ordnance Survey maps to at least AD1884. The introduction of sewage across the area has added an organic component creating loamy soil and subsoil, which is light and friable in character. Contaminated land risk assessment indicates that this anthropogenic alluvium has elevated levels of metal (arsenic, cadmium and copper).
- Analysis of geotechnical records penetrating the sub-alluvial gravels suggests that organic-rich sediments may be preserved within these coarser deposits. Whilst such organic remains are unlikely to be extensive, they are significant and have the potential to yield evidence of past environments through the analysis of proxy indicators such as pollen plant macrofossil and insect remains. These organic remains also have the potential to be dated using radiocarbon techniques, whilst sandy sediments within the sub-alluvial gravels have the potential to be dated using optically-stimulated luminescence (OSL).
- The terrace and sub-alluvial gravels have yielded a number of Lower and Middle Palaeolithic artefacts, recorded as isolated finds, often at the surface. It seems likely that the majority of this material has been recycled through several glacial-interglacial cycles and it is unlikely that any

Lower or Middle Palaeoltihic artefacts or associated remains would be discovered *in situ* during mineral extraction. However, any material present represents an important archaeological resource that adds to the knowledge base of the region and therefore should be recorded appropriately.

- Given the postulated age of the terraces and sub-alluvial gravels, Upper Palaeolithic evidence might be recovered *in situ* at or near the surface, although given the transient nature of these communities, evidence is likely to be sparse and most probably comprise isolated or small lithic scatters.

Appendix XI: Auger Core Descriptions (thickness of units expressed in metres)

A1.

0-0.65 – Dark brown loam, stoneless and friable. Gradational lower contact (**Unit 1**, topsoil and subsoil developed on alluvium but anthropogenically modified)

0.66-1.40 – Stiff, red brown clayey silt, stoneless and heavily oxidised (**Unit 2**, postglacial alluvium)

1.41-2.10 – Plastic, orange brown silty clay, heavily oxidised and occasionally gleyed, giving a greenish grey tinge to the sediment (**Unit 3**, postglacial alluvium)

2.11-2.14 – Coarse sand and gravel, wet (**Unit 4**, sub-alluvial gravels)

End of core

A2.

0-0.50 – Unit 1

0.51-1.50 – Unit 4

End of core

A3.

0-0.40 – Unit 1

0.41-1.10 – As Unit 2, but increased sand content

1.11-1.30 – Olive, orange brown loamy sand (**Unit 5**, sub-alluvial gravels)

End of core

A4.

0-0.65 – Unit 1

0.66-1.30 – Unit 2

1.30-1.80 – Unit 5

End of core

A5.

0-0.60 – As Unit 1, but with increased silt content (silty loam)

0.61-1.10 – As Unit 3, but with occasional fine pebbles

1.11-1.20 – As Unit 4, but very clayey with matrix-supported flint clasts

End of core

A6.

0-0.50 – As Unit 1, but with increased silt content (silty loam)

0.51-0.70 – As Unit 3

0.71-1.20 – As Unit 4, but very clayey with matrix-supported flint clasts, heavily oxidised for final 0.10m

End of core

A7.

0-0.40 – Unit 1

0.41-0.90 – Unit 5

0.91-1.00 – As Unit 5 but relatively clean

End of core

A8.

0-0.60 – Unit 1

0.61-1.00 – Unit 4, but very clayey with abundant ironstone clasts

End of core

A9.

0.0.50 – Unit 1

0.51-1.00 – Unit 3

1.01-1.30 – Unit 5

End of core

A10.

0-0.60 – Unit 1

0.61-1.80 – Unit 3

1.81+ - Unit 4

End of core

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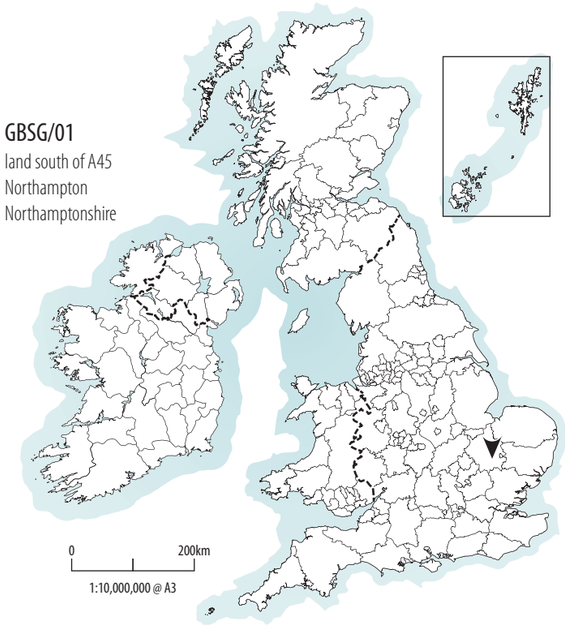
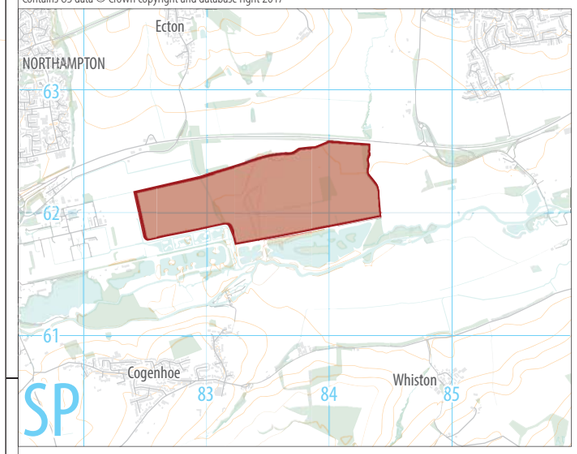
GBSG/01
land south of A45
Northampton
Northamptonshire





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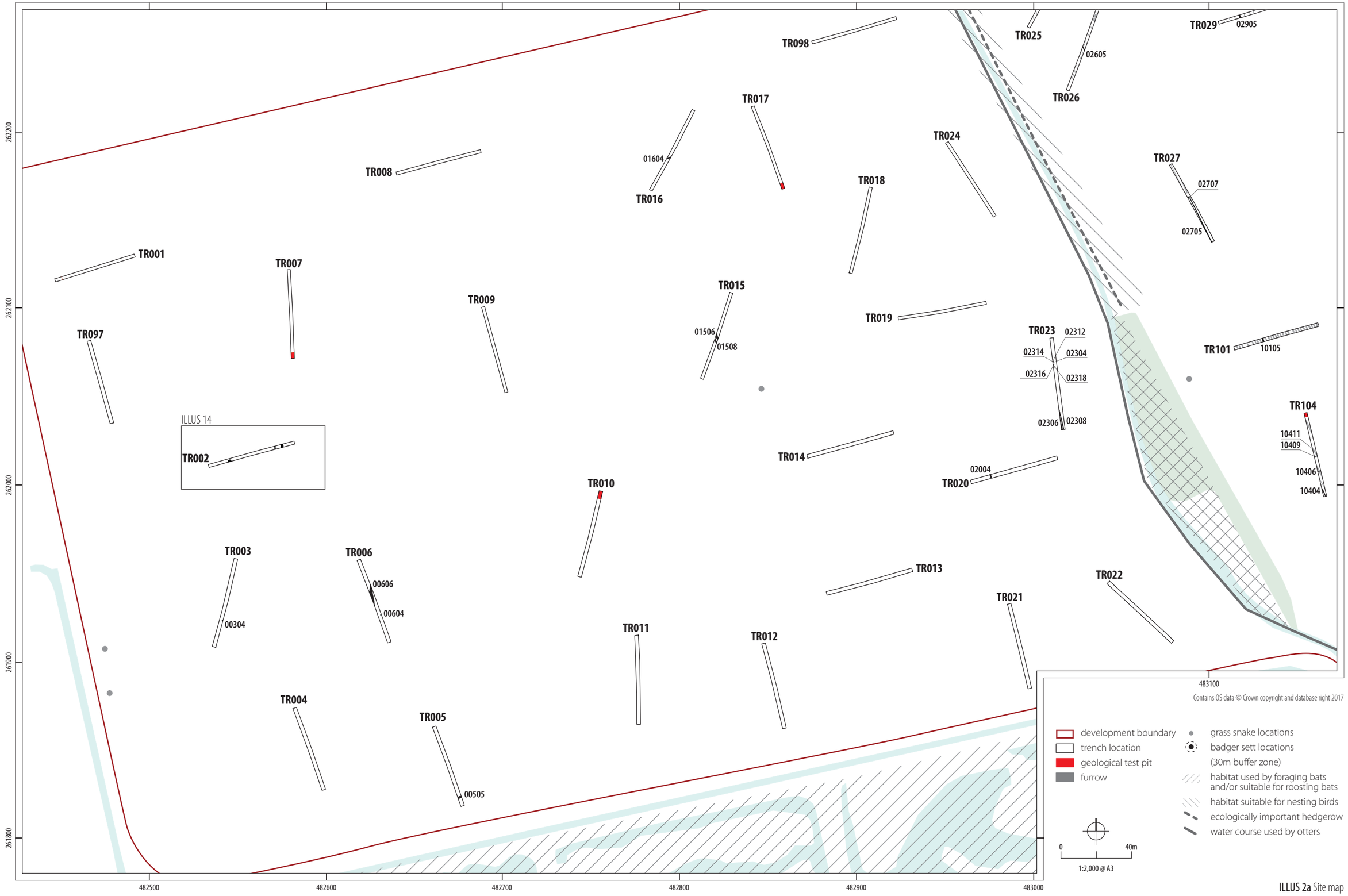
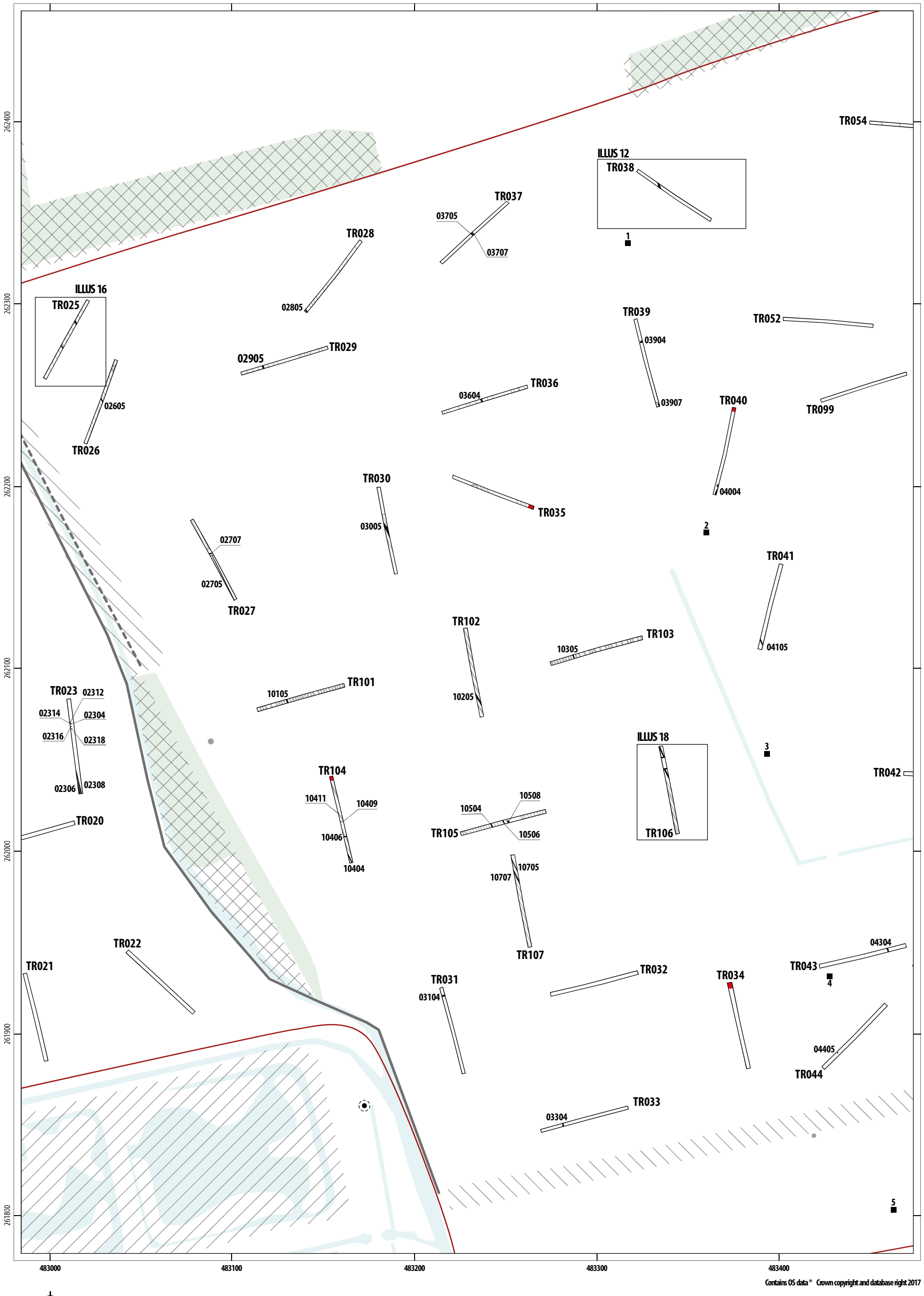
- development boundary
- trench location
- boreholes
- grass snake locations
- badger sett locations (30m buffer zone)
- habitat used by foraging bats and/or suitable for roosting bats
- habitat suitable for nesting birds
- ecton gravel pits local wildlife site (area within red line boundary)
- ecologically important hedgerow
- water course used by otters

0 150m
1:7,500 @ A3

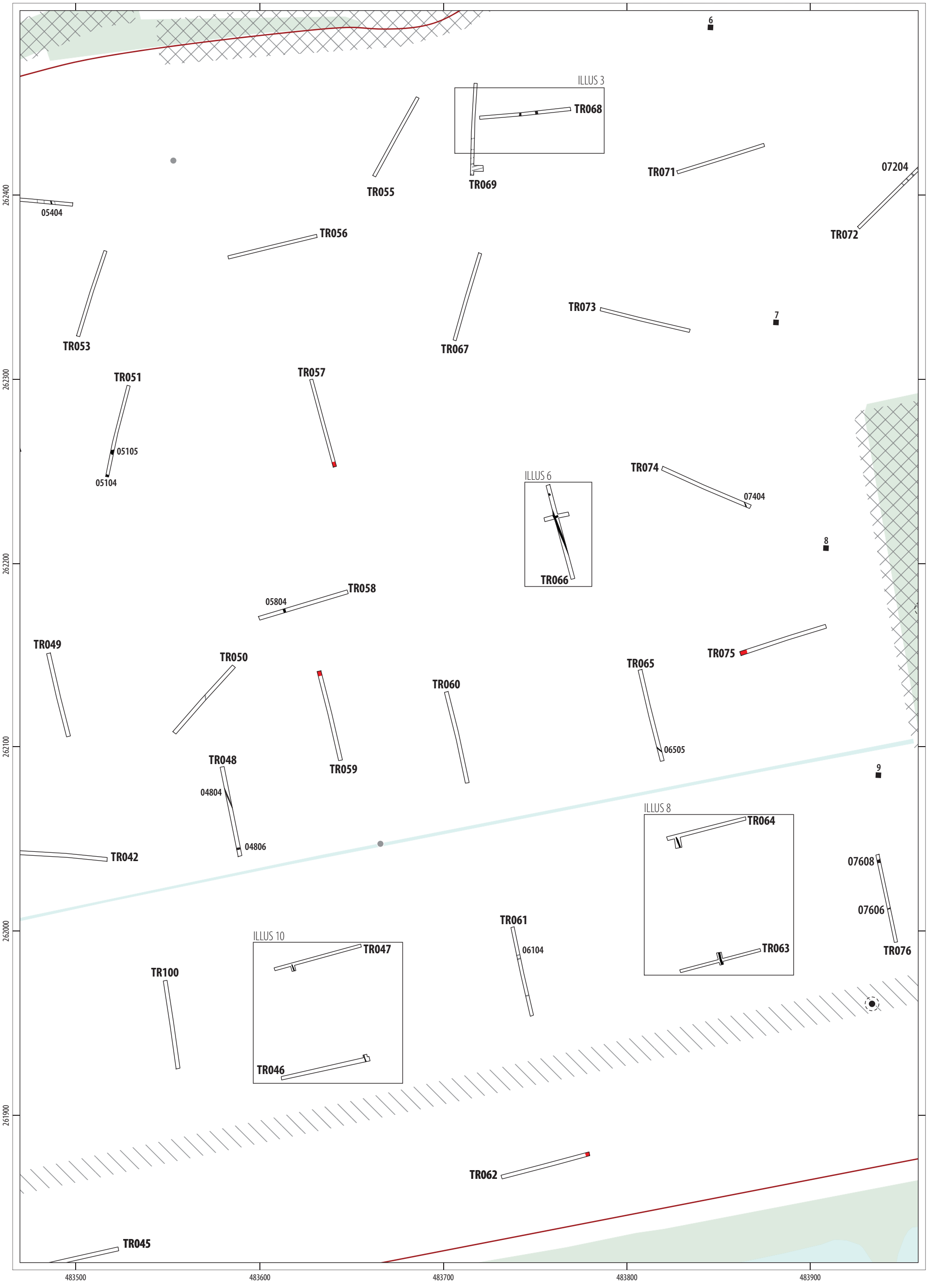
ILLUS 1 Site location



ILLUS 2a Site map



ILLUS 2b Site plan



0 40m
1:2,000 @ A3

- development boundary
- trench location
- auger points
- geological test pit
- furrow
- grass snake locations
- bager sett locations (30m buffer zone)
- habitat used by foraging bats and/or suitable for roosting bats
- habitat suitable for nesting birds

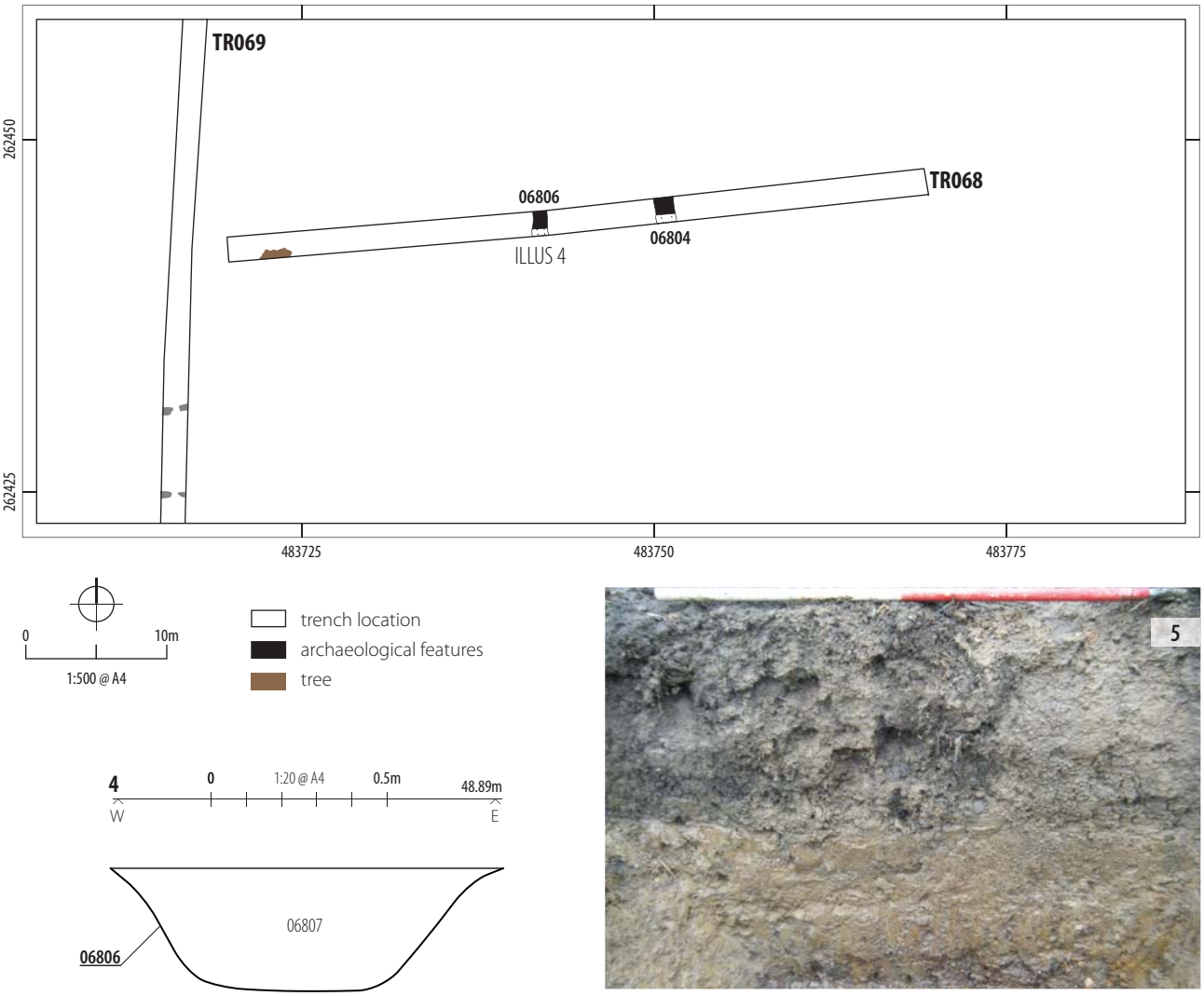
ILLUS 2c Site plan

0 40m

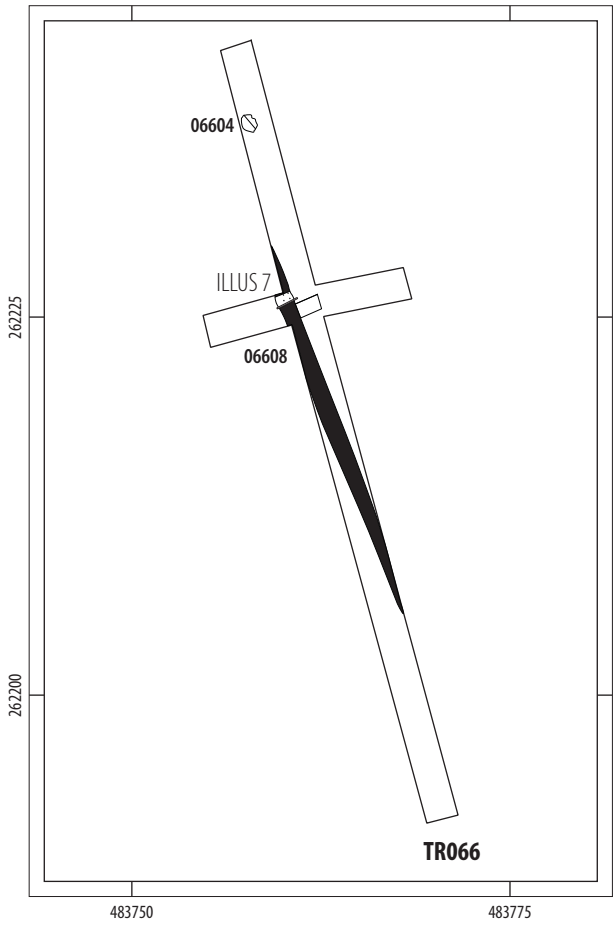
1:2,000 @ A3

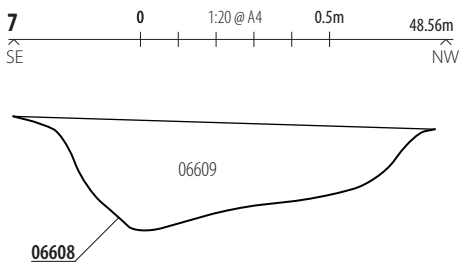
- development boundary
- trench location
- auger points
- geological test pit
- furrow
- grass snake locations
- bager sett locations (30m buffer zone)
- ecton gravel pits local wildlife site (area within red line boundary)
- habitat used by foraging bats and/or suitable for roosting bats
- habitat suitable for nesting birds

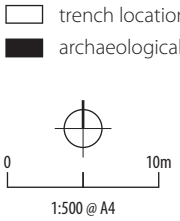
ILLUS 2d Site plan



ILLUS 3 Plan of Trench 68 **ILLUS 4** Section through ditch [06806] **ILLUS 5** Photograph of a north facing section through ditch [06804]

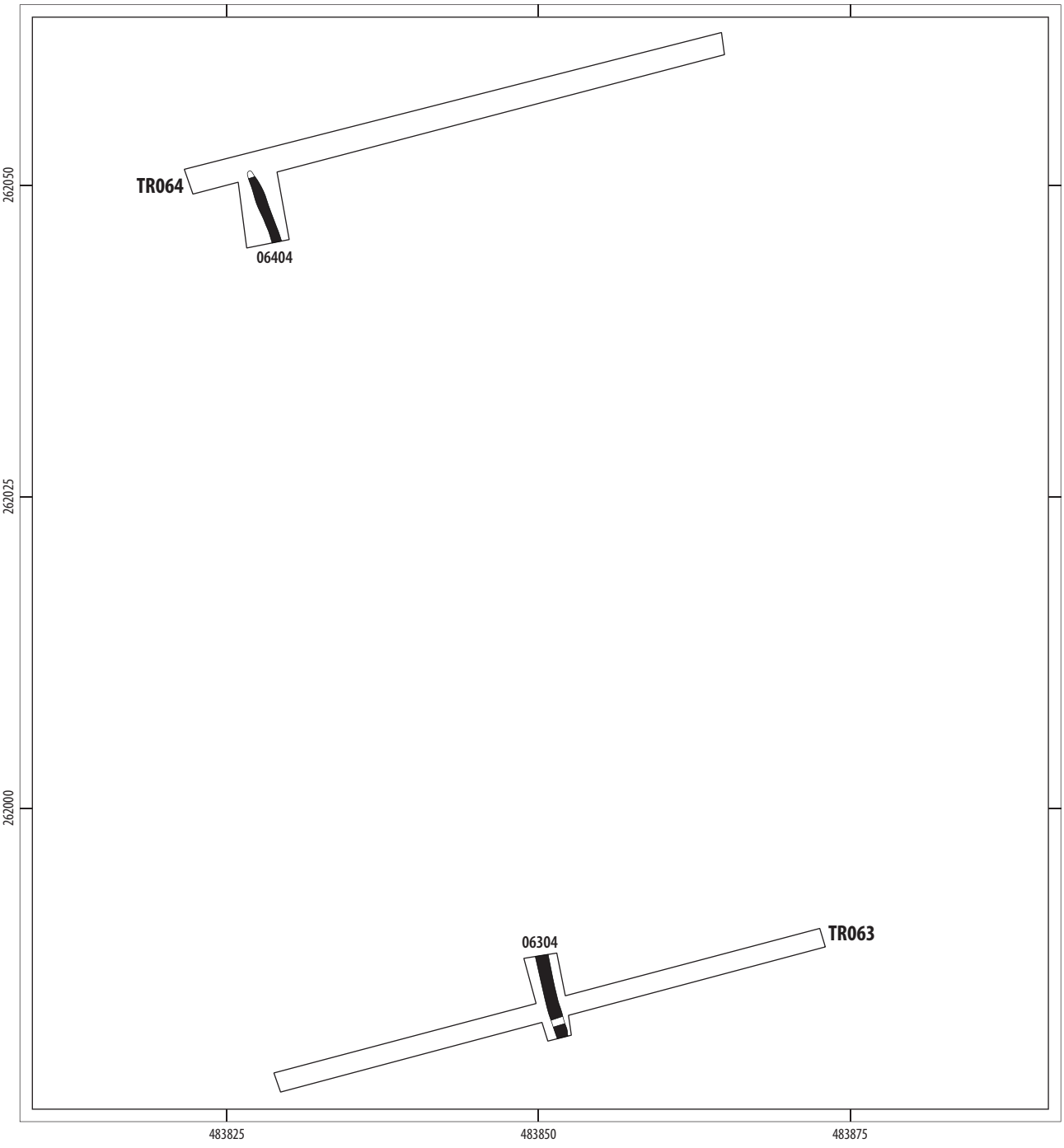






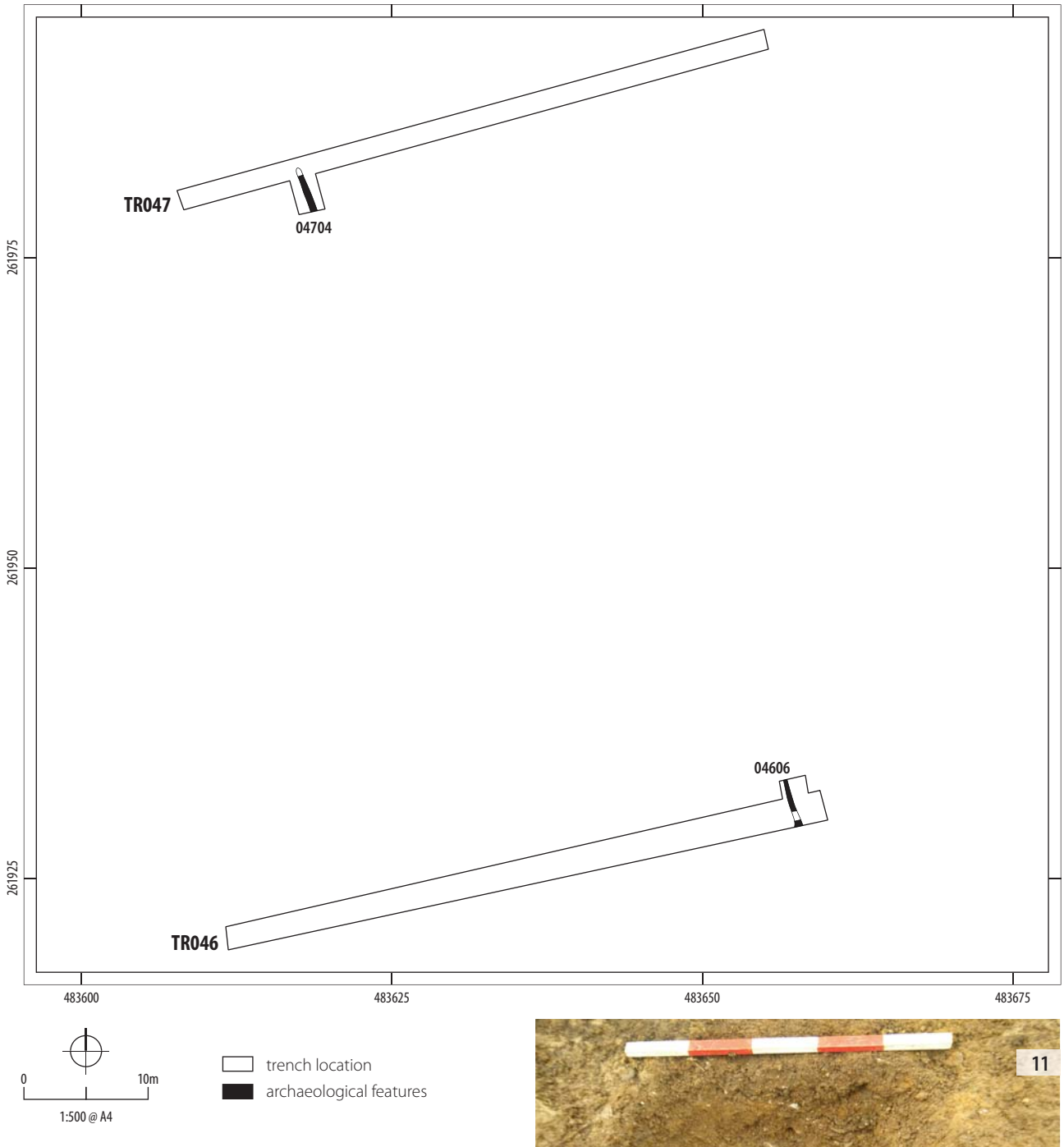
ILLUS 6 Plan of Trench 66

ILLUS 7 Section through ditch [06608]



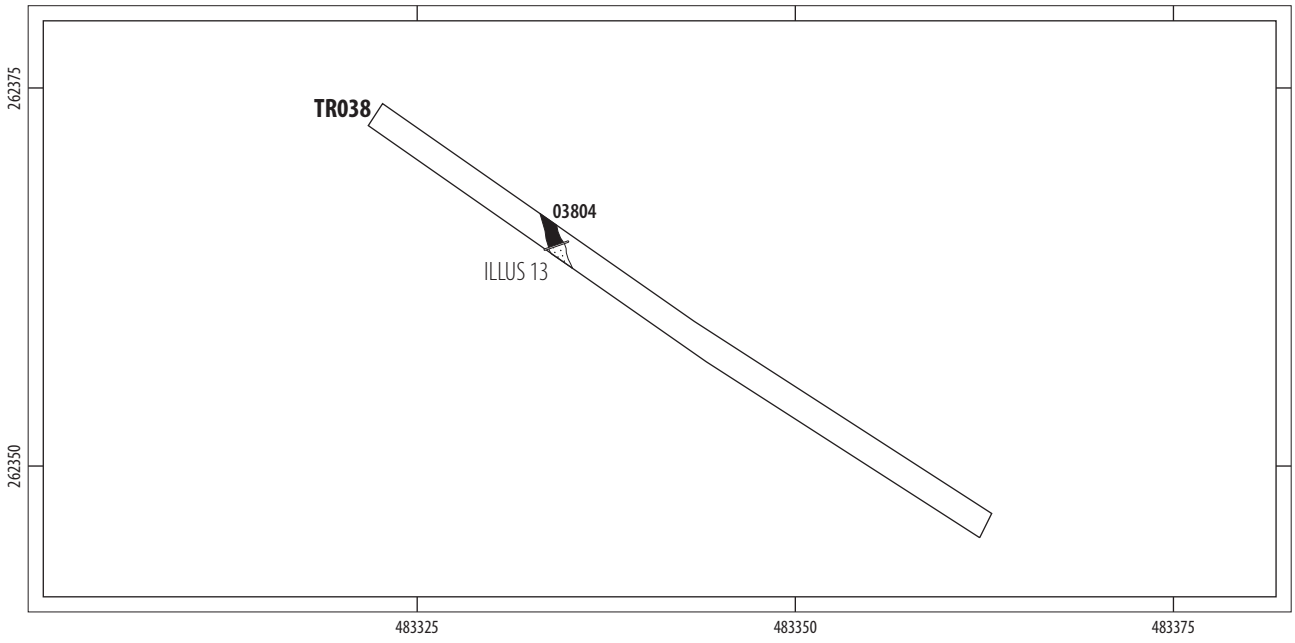
ILLUS 8 Plan of Trenches 63 and 64

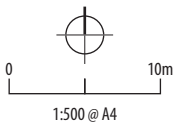
ILLUS 9 Photograph of north facing section through ditch [06304]

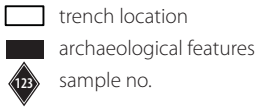


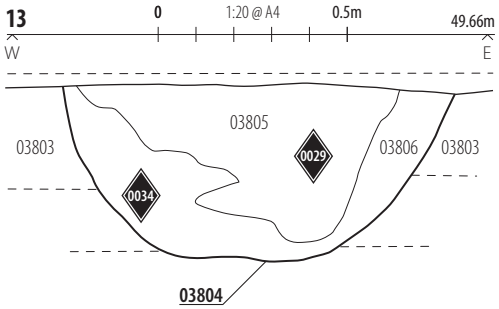
ILLUS 10 Plan of Trenches 46 and 47

ILLUS 11 Photograph of north facing section through ditch [04704]



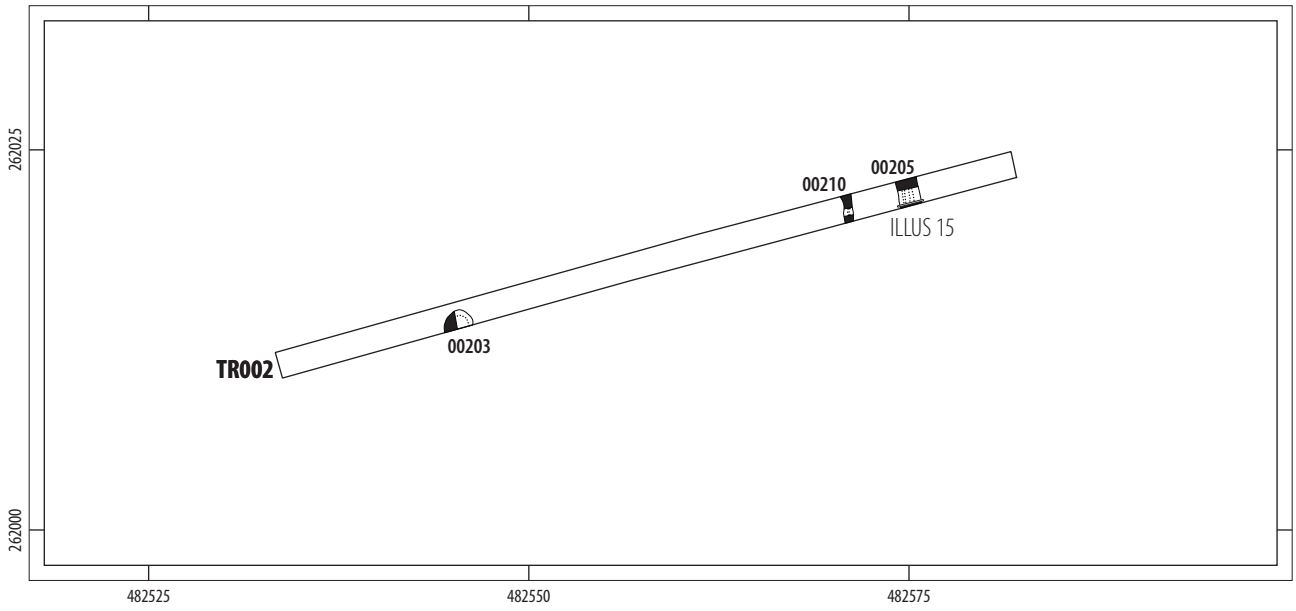


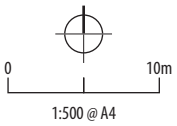


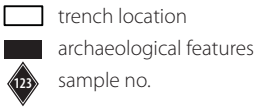


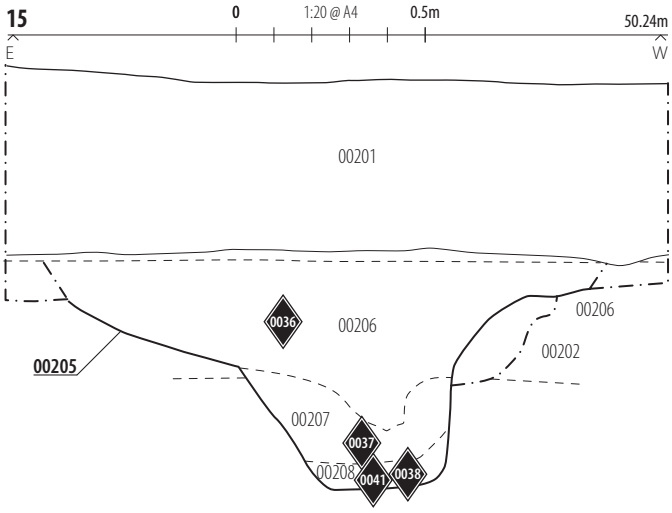
ILLUS 12 Plan of Trench 38

ILLUS 13 Section through ditch [03804]



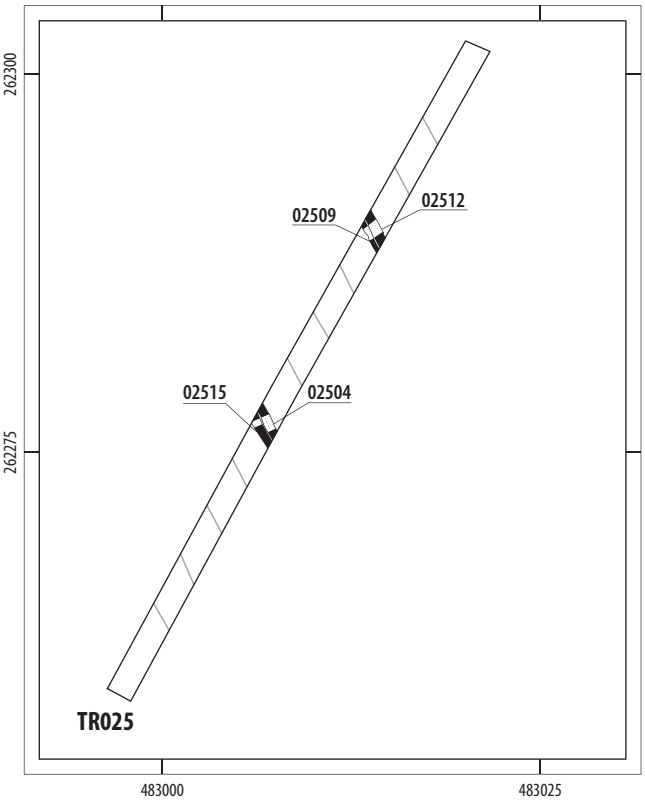






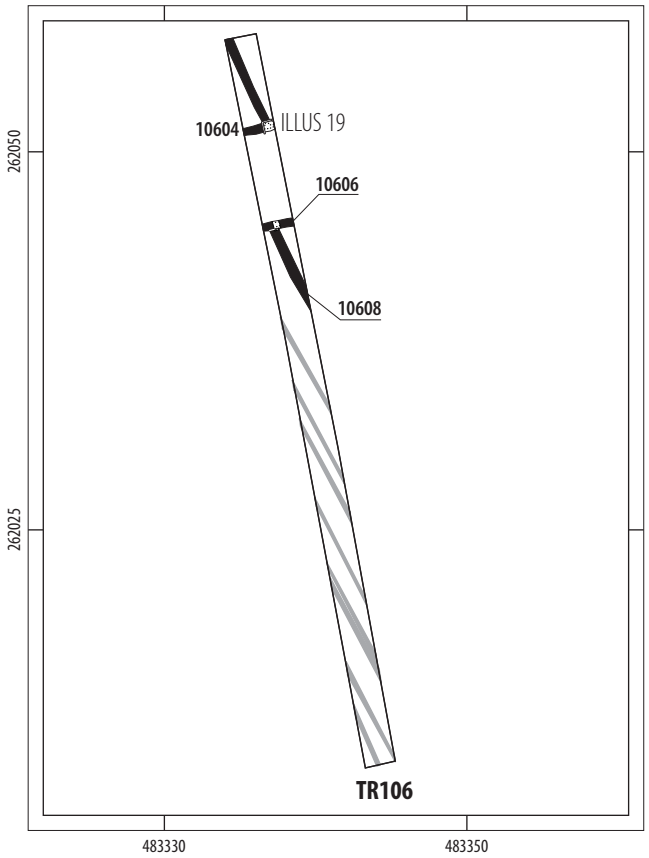
ILLUS 14 Plan of Trench 2

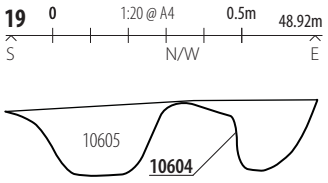
ILLUS 15 Section through ditch [00205]

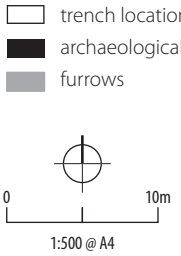


ILLUS 16 Plan of Trench 25

ILLUS 17 Photograph of a southwest facing section through furrow [02504] with burnt deposits







ILLUS 18 Plan of Trench 106

ILLUS 19 Section through furrow [10604]

ILLUS 20 Photograph of west facing section through possible palaeochannel [08904]

ILLUS 21 Photograph of a south facing section through Trench 74 showing the geological gravel deposition geological test pit in Trench 75

ILLUS 22 Photograph of a north facing section of the