

# Archaeological Trial Trench Evaluation on land north of Byfield Road, Woodford Halse, Northamptonshire 

March 2015

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# Archaeological Trial Trench Evaluation on land north of Byfield Road, 

## Woodford Halse, Northamptonshire

March 2015

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## OASIS REPORT FORM

| PROJECT DETAILS | OASIS No: molanort1-205036 |  |
| :---: | :---: | :---: |
| Project title | Archaeological trial trench evaluation on land north of Byfield Road, Woodford Halse, Northamptonshire, March 2015 |  |
| Short description | MOLA Northampton carried out an archaeological trial trench evaluation on land to the north of Byfield Road, Woodford Halse. The trench produced a single gully-like feature, probably a rut from a trackway, and evidence of ridge and furrow cultivation. No other archaeological features were found. |  |
| Project type | Trial trench evaluation |  |
| Site status | none |  |
| Previous work | Archaeological Desk Based Assessment (Dicks 2012), geophysical survey (Simmonds 2013) |  |
| Current land use | arable |  |
| Future work | unknown |  |
| Monument type/period | Ridge and furrow, medieval |  |
| Significant finds | none |  |
| PROJECT LOCATION |  |  |
| County | Northamptonshire |  |
| Site address | Land north of Byfield Road, Woodford Halse |  |
| Postcode | n/a |  |
| OS co-ordinates | 453837253244 |  |
| Area (sq m) | c10 ha |  |
| Height aOD | c140-150m aOD |  |
| PROJECT CREATORS |  |  |
| Organisation | MOLA Northampton |  |
| Project brief originator | Lesley Anne Mather, Northamptonshire County Council Planning |  |
| Project Design originator | Gemma Hewitt, MOLA |  |
| Director/Supervisor | Jim Burke MOLA |  |
| Project Manager | Anthony Maull, Carol Simmonds MOLA |  |
| Sponsor or funding body | Taylor Wimpey |  |
| PROJECT DATE | $2 \text { March } 2015$ |  |
| Start date |  |  |
| End date | 4 March 2015 |  |
| ARCHIVES | Location (Accession no.) | Content |
| Physical | MOLA Northampton Archive Store Acc no. ENN107909 | none |
| Paper |  | site records, background data, photographs, two sections on permatrace |
| Digital |  | survey data, digital report, digital photographs |
| BIBLIOGRAPHY | Journal/monograph, published or forthcoming, or unpublished client report (MOLA report) |  |
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# Archaeological Trial Trench Evaluation on land north of Byfield Road, Woodford Halse, Northamptonshire 

## March 2015


#### Abstract

MOLA Northampton carried out an archaeological trial trench evaluation on land to the north of Byfield Road, Woodford Halse. The trench produced a single gully-like feature, probably a rut caused by footpath use, and evidence of ridge and furrow cultivation. No other archaeological features were found.


## 1 INTRODUCTION

1.1 MOLA Northampton was commissioned by Taylor Wimpey South Midlands Ltd to carry out archaeological trial trenching on land scheduled for proposed development at Byfield Road, Woodford Halse. Planning permission (DA/2014/0110) under Reserved Matters has been granted to construct c200 homes, with a program of archaeological evaluation required by the County Archaeological Advisor at Northamptonshire County Council being one aspect of the condition. This was in accordance with the National Planning Policy Framework (DCLG 2012). The works aimed to ensure that any archaeological remains within the area of proposed groundworks were appropriately investigated and recorded. A Written Scheme of Investigation was prepared by MOLA and approved by NCC Planning prior to work commencing (Hewitt 2015). The evaluation was carried out following the guidelines suggested by the CIfA's Code of Conduct and Standard and guidance: Archaeological Field Evaluation (CIfA 2014a and b), and the MOLA Fieldwork Manual (MOLA 2014).

## 2 BACKGROUND

### 2.1 Location, topography and geology

The site is located on the northern edge of Woodford Halse and Hinton villages, to the north of Byfield Road (Fig 1). The proposed development area is roughly 10 hectares in size, and lies across a small hill, rising from a height of $c 146 \mathrm{~m}$ above Ordnance Datum (aOD) near the village to the south to around 151 m aOD in the centre of the field, before falling off to c143m aOD on the area's eastern edge. The proposed development area is roughly trapezoid in shape and comprises one arable field to the north of Byfield Road (NGR 453837 253244). The solid geology of the site consists of an underlying bedrock of Jurassic Whitby Mudstone Formation, bordering an area to the east of Marlstone rock comprising ferruginous ironstone and limestone (BGS2015). The superficial geology of this area is of Denchworth association soils, a group containing slowly permeable and seasonally waterlogged clayey or fine loamy soils (Cranfield University 2015).


### 2.1 Historical and archaeological background

A Desk-Based Assessment (DBA) was undertaken by CgMs Consulting (Dicks 2012), and followed by a geophysical survey in 2013 (Simmonds 2013). Both the DBA and a 2015 search of the Northamptonshire Historic Environment Record (NHER) showed that there are no scheduled monuments within 1 km of the study site (Fig 2). The only non-designated heritage asset within the bounds of the site was an area of ridge and furrow (HER9900/01), visible on aerial photographs (Dicks 2012) and identified in the geophysical survey (Simmonds 2013). The following summary is drawn from the preexisting DBA (Dicks 2012) and NHER search.

Evidence for prehistoric or pre-medieval activity in the area is scarce. Three Neolithic flint cores and nine flint flakes were recovered from Hinton Manor, a Grade II listed 17th-century stable block (NHER 545), c600m to the south of the site. Roman pottery sherds were also recovered from the same site. An undated series of crop marks have been identified in the adjacent field $c 270 \mathrm{~m}$ to the west. It is possible that these represent a square enclosure of prehistoric date (NHER 9644).

The village of Hinton was recorded in the Domesday survey of 1086 with a population of 15 households with associated arable land, three acres of meadow and one mill. The site is located within the parish of Woodford-cum-Membris and was formed of three medieval settlements, each with its own land unit (RCHME 1981). The development site lies within eastern of the three settlements of Woodford Halse and within the open fields of Hinton.

Hinton's fields were enclosed in 1753, and the site is shown on the Tithe Map of 1840 (NRO).The presence of a windmill was identified on the Eyre map (revised by Jefferys 1779). It is possible that it lies within the development area. However there is the suggestion that the correct location for the windmill may be further west on high ground (170m aOD) where the possible prehistoric enclosure (HER9664) is located (Dicks 2012). Another possible windmill mound is marked to the north near the route of the dismantled railway (HER550/1).

A geophysical survey was completed by Northamptonshire Archaeology (now MOLA Northampton) and identified ploughed-out remains of medieval ridge and furrow, although no earthworks are extant (Dicks 2012), and a number of ferrous signals of uncertain origin (Simmonds 2013) (see Fig 3).

Table 1: NHER data from c1 km around the proposed development site

| NHER number | Details | Location (centred on) |
| :---: | :---: | :---: |
| 548 | Possible Prehistoric Settlement | SP 5358754198 |
| 9643/0/1 | Possible roadway, unknown date | SP 5344054196 |
| 7324 | Historic village of Hinton | SP 5364752439 |
| 551, | Historic village of Woodford Halse | SP 5435052944 |
| $\begin{aligned} & 551 / 1,551 / 1 / 3 \\ & 18 / 154 \end{aligned}$ | St. Mary the Virgin, Church Street, and churchyard | SP 5429952896 |
| 545, 545/0/0 | Unstratified prehistoric and Romano-British finds | SP 5390052500 |
| 9900/0/1 | Open Fields Project: Areas of Survival of Ridge \& Furrow | SP 5385953236 |
| 9900/0/4 | Open Fields Project: Areas of Survival of Ridge \& Furrow | SP 5301653747 |
| 9900/0/2 | Open Fields Project: Areas of Survival of Ridge \& Furrow | SP 5334052570 |
| 9874/0/7 | Open Fields Project: Areas of Survival of Ridge \& Furrow | SP 5443254020 |
| 9644 | Undated, possibly, prehistoric rectangular enclosure | SP 5341653413 |
| 547/0/0 | Unstratified medieval find | SP 5315952850 |
| 9900 | Open Field System, Hinton | SP 5300353002 |
| 552 | Possible medieval/ post medieval agricultural activity | SP 5419852403 |
| 547 | Spot find - 15th century ampulla | SP 53165285 |
| 550/1, 550/1/1 | Ploughed out windmill mound | SP 5455954304 |
| $\begin{aligned} & 7324 / 1,7324 / 1 / 4 \\ & 17 / 139,7324 / 1 / 1 \end{aligned}$ | Hinton Manor (Grade II*) and garden features | SP 5381052551 |
| 1634 | Hinton House Park | SP 5296453885 |
| 7324/0/2, 17/143 | No. 20 (The Homestead) Grade II | SP 5372952529 |
| 7324/0/3, 17/144 | No. 7 Phipps Road (Top Farmhouse) Grade II | SP 5378852582 |
| 7324/1/2, 17/141 | Shelter shed range at the Manor House, Grade II | SP 5388152546 |
| 7324/1/3, 17/142 | Stable block to The Manor House and attached walls, Grade II | SP 5385152503 |
| 7324/0/5, 17/146 | Bromley's Farmhouse, Grade II | SP 5355752393 |
| 7324/0/4, 17/145 | Nos. 8 and 10, Grade II | SP 5360052369 |
| 551/0/8, 18/149 | No. 1 School Street, Grade II | SP 5438252870 |
| 551/0/4,18/148 | Manor House, School Street, Grade II | SP 5442752858 |
| 551/0/3, 18/147 | Folly Farmhouse, School Street, Grade II | SP 5443752838 |
| 551/0/5, 18/137 | Nos. 6, 8, 10 and 12 High Street, Grade II | SP 5445452774 |
| 551/0/6, 18/138 | No. 14 High Street (Round Hill Farmhouse), Grade II | SP 5444152764 |
| 551/0/2, 18/134 | Nos. 9 and 11, High Street, Grade II | SP 5447952732 |
| $\begin{aligned} & 551 / 2,551 / 2 / 1, \\ & 18 / 135 \end{aligned}$ | Tews Farmhouse, High Street, Grade II | SP 5447352698 |
| 551/0/7, 1242920 | Moravian Chapel and No. 12 Parsons Street, Grade II | SP 5435652633. |
| 551/0/1, 18/150 | Nos. 6 and 8 South Street, Grade II | SP 5442752587 |
| 408/1, | Great Central Railway (London Extension to Annesley) and associated Industrial Activity | SP 54191 53431, <br> SP 5425954179 |
| 6349/1, 6349/1/3 | Charwelton Brickworks | SP 5426154164 |




## AIMS AND OBJECTIVES

The aim of the archaeological evaluation was to understand the nature, function and character of the site in its cultural and environmental setting, specifically to:

- identify, investigate and record all archaeological deposits, exposed during the groundworks for the new development and any associated groundworks;
- determine and record the date, extent, character, state of preservation and depth of burial of any archaeological deposits;
- recover artefacts to assist in the development of type series within the region;
- recover palaeo-environmental remains to determine local environmental conditions;
- create a permanent archive and record of the archaeological information collected during the course of the fieldwork and analysis.

The work aimed to contribute to the research objectives drawn from national and regional research frameworks (EH 1991 and 1997; Knight, Vyner and Allen 2012; Cooper 2006).

## 4 <br> METHODOLOGY

The evaluation conformed to the Chartered Institute for Archaeologists' Standard and guidance: Archaeological Field Evaluation (CIfA 2014b). All stages of the project were undertaken in accordance with English Heritage, Management of Research Projects in the Historic Environment (MoRPHE) (EH 2006), as well as specific guidelines for this project given by the Northamptonshire County Council Planning authority, and the Written Scheme of Investigation prepared by MOLA (Hewitt 2015).

The evaluation comprised of the excavation of twenty (20) trial trenches 50 m in length and up to 1.8 m wide. These trenches were positioned to target areas of anomaly as highlighted by the geophysical survey (Simmonds 2013), as well as apparent blank areas and those which had previously been unsurveyed (Fig 3). This was to ensure an even sampling of the development site. Trenches were positioned using Leica System 1200 Global Positioning System (GPS) survey equipment using SMARTNET real-time corrections, operating to a 3D tolerance of $\pm 0.05 \mathrm{~m}$. The topsoil, subsoil and nonstructural post-medieval and later deposits were removed by a mechanical excavator, fitted with a toothless ditching bucket, to reveal any archaeological remains or, where these were absent, the natural substrate. The topsoil was stacked separately from the subsoil and other deposits, under archaeological supervision. The machined surface was cleaned by hand sufficiently to identify and establish the extent of any archaeological features.

All archaeological features were given a separate context number. Deposits were described on pro-forma trench sheets to include details of the context, its relationships, interpretation and a checklist of associated finds, as detailed by the MOLA fieldwork guide (MOLA 2014). The trench and spoil heap was scanned with a metal detector to ensure maximum finds retrieval. Subsequent to the evaluation, the trench was backfilled with up-cast, lightly compacted by the mechanical excavator. Section drawings of the trench 6 and feature [204] were produced. Digital photographs also formed the principal photographic record for report purposes, and black and white negatives were taken for submission to the archive.

## EVALUATION EVIDENCE

The topsoil across all of the trenches was a dark grey brown silty clay. Subsoil was identified in four trenches (4,5, and 13). In trench 13, this comprised a light grey-brown silty clay, 30 to 180 mm deep. Trenches 4 , 5 , and 9 at the eastern edge of the site produced a subsoil of orange-brown silty clay colluvium, between 0.06 and 0.31 m deep. The natural geology across the site proved to be highly patchy and uneven. Ten trenches had a natural horizon of pale yellow firm clay with blue grey and orange mottling (202, 302, 602, 1102, 1202, 1303, 1402, 1502, 1802, 2002). However, six trenches demonstrated a change in the natural, with the pale yellow mottled clays giving way to a darker brown-orange sandy clay. In some trenches, this appeared as patches $(1602,1002)$ and in others the change between the geologies gradually took place towards the lower end of the trench, following the topography of the hill (102, $503,802,1702)$. The remaining four trenches only contained the darker colluvial wash natural, dark orange-brown sandy clay with ironstone inclusions (403, 702, 1902, 902). These trenches were found in the lowest ground around the edges of the site. This change in geology was previously identified through the geophysical survey (Simmonds 2013).


Trial Trench 16, showing topsoil and natural horizons
The most significant archaeological activity identified through the evaluation was evidence of medieval ridge and furrow cultivation (Figs 5 and 6, section 1). This was also previously known, through geophysical survey, and from aerial photographs (NHER 9900/0/1). All of the trenches produced evidence of cultivation strips, although in several trenches these were shallow and ephemeral, suggesting they were almost completely destroyed by later ploughing. Plough scars were also visible in six trenches, running parallel to or bisecting the cultivation strips. The strips were generally between 2 and 4 m wide and between 4.40 m and 6 m apart. The evaluation confirmed the
conclusions of the geophysical survey report that three furlongs were in evidence, with the alignment of the cultivation strips altering across the site (Fig 7). To the west, the strips were aligned east-west, as seen in trenches 1, 12, and 14 to 20). In the area crossing the main hilltop to the north, ridge and furrow ran north-south (trenches 11 and 12), and to the east, the strips were aligned east-west and had a broad S-shaped curve (trenches 2 to 10). Trench 12 contained strips of both north-south and east-west alignment. There is also a clear realignment of the cultivation strips to the east of the site, probably to adjust to the changing topography. Two small pieces of pottery were found in furrows in trenches 2 and 9 ; both pieces were of late medieval Midland Purple Ware. A highly degraded fragment of brick was also recovered from trench 9.


Trial Trench 15, showing east to west ridge and furrow, looking north
Land drains and modern pipework were encountered in trenches 5, 6, 11, 13, 15, 16, and 20. In several cases the land drains followed the alignment of the furrows (Fig 6, section 1).

One possibly archaeological gully was found in the north end of trench 2 (Fig 6, section 2). This was a shallow u-shaped curvilinear cut with a fill of mid yellow-brown clay. The fill contained no dating evidence but appeared to be cut by the east-west aligned furrows, suggesting it predated them. The function of this feature is unknown but it is possible that it was a trackway, linking gates at the north and south of the field.

No further archaeological finds or features were identified, and there was no indication that a post-medieval windmill had ever been positioned here (Dicks 2012).

## Section 1



Section 2



## 6

CONCLUSION
Twenty trial trenches were excavated as part of archaeological evaluation on land north of Byfield Road in Woodford Halse. Only one gully was found which may pre-date the ridge and furrow; it probably represents a trackway. All of the trenches contained ridge and furrow cultivation strips, which were shown to change in alignment according to the shape and topography of the fields. The presence of ridge and furrow is in line with the conclusions of the previous geophysical survey (Simmonds 2013), as is the confirmation of a change in the natural geology at the centre of the site on the high ground. Colluvium was noted to the north and north-east of the site. The ferrous anomalies identified during the survey were shown to be modern debris and pipework.

No evidence of the proposed post-medieval windmill was found, and there were no indications of further archaeological activity.

## BIBLIOGRAPHY

CIfA 2014a Code of Conduct, Chartered Institute for Archaeologists
CIfA 2014b Standard and guidance: Archaeological Field Evaluation, Chartered Institute for Archaeologists

Cooper, N J, 2006 The Archaeology of the East Midlands: an archaeological resource assessment and research agenda, University of Leicester/English Heritage, 13

DCLG 2012 National Planning Policy Framework, Communities and Local Government
Dicks, S 2012, Archaeological Desk-Base Assessment, land off Byfield Road, Woodford Halse, Northamptonshire, CgMs Consulting SD/14484

EH 1991 Exploring Our Past, English Heritage
EH 1997 English Heritage Archaeology Division Research Agenda, English Heritage
EH 2006 Management of Research Projects in the Historic Environment: The MoRPHE Project Managers Guide, English Heritage

Hewitt, G, 2015 Written Scheme of Investigation for an archaeological trial trenching on land north of Byfield Road, Woodford Halse, Northamptonshire, February 2015, MOLA Northampton

Knight, D, Vyner, B, and Allen, C, 2012 East Midlands Heritage: An Updated Research
Agenda and Strategy for the for the Historic Environment of the East Midlands, University of Nottingham and York Archaeological Trust

MOLA 2014 Archaeological Fieldwork Manual, MOLA Northampton
NCC 2014a Brief for a programme of Archaeological Investigation of Land at Cromwell House, 50 London Road, Wollaston, Northamptonshire, Planning, Northamptonshire County Council

Partida, T, Hall, D H, and Foard, G, 2013 An Atlas of Northamptonshire: The Medieval and Early-Modern Landscape, Oxbow Books

RCHME 1981 An inventory Archaeological sites in North-West Northamptonshire, Royal Commission on Historical Monuments England

Simmonds, C 2013, Archaeological Geophysical survey on land north of Byfield Road, Woodford Halse Northamptonshire, January 2013, Northamptonshire Archaeology Report 13/9

## Websites

BGS 2015 http://mapapps.bgs.ac.uk/geologyofbritain/home.html, Geoindex map of Britain, British Geological Society

Cranfield University 2015. The Soils Guide. Available: www.landis.org.uk. Cranfield University, UK. Last accessed 11/03/2015

MOLA Northampton, 13 March 2015

## APPENDIX: CONTEXT INVENTORY



Overview of trench 1, looking north-east
Fig 8

| Trench <br> No | Length, width <br> $\&$ alignment | NGR | Surface <br> height <br> (aOD) | Depth of natural |
| :---: | :---: | :---: | :---: | :---: |
| 2 | 1.8m x 50m, <br> NNE-SSW | 453811253172 | $146.07-$ <br> 147.41 m | $0.34-\mathbf{0 . 5 8 m}$ |
| Context | Context type | Description | Dimensions | Artefacts/Samples |
| 201 | Topsoil | Dark grey-brown sandy <br> silty clay plough soil. | $0.17-0.33 \mathrm{~m}$ | - |
| 202 | Natural | Mixed orange-brown <br> sandy clay with yellow- <br> blue sandy clay and <br> chalk area prone to <br> flooding | - | - |
| 203 | Fill of 204 | Orange-brown silty clay <br> rare gravel and chalk | 0.46 m wide <br> 0.13 m deep |  |
| 204 | Cut of gully | Shallow U-shape gully | 0.46 m wide <br> 0.13 m deep |  |



| Trench <br> No | Length, width <br> $\&$ alignment | NGR | Surface <br> height <br> (aOD) | Depth of natural |
| :---: | :---: | :---: | :---: | :---: |
| 3 | $1.8 \mathrm{~m} \times 50 \mathrm{~m}$, <br> NW x SE | 453845253158 | $144.70-$ <br> 146.28 m | $0.31-0.40 \mathrm{~m}$ |
| Context | Context type | Description | Dimensions | Artefacts/Samples |
| 301 | Topsoil | Dark grey-brown sandy <br> silty clay plough soil. | $0.22-0.31 \mathrm{~m}$ | - |
| 302 | Natural | Light yellow-orange and <br> sandy orange-white <br> sandy chalk till | - | - |



Overview of trench 3, looking north-west Fig 10

| Trench <br> No | Length, width <br> $\&$ <br> alignment | NGR | Surface <br> height <br> (aOD) | Depth of natural |
| :---: | :---: | :---: | :---: | :---: |
| 4 | 1.8m x 50m, <br> WSW-ENE | $\mathbf{4 5 3 9 0 4} \mathbf{2 5 3 1 1 7}$ | $\mathbf{1 4 2 . 2 0 \mathrm { m }}$ | $\mathbf{0 . 5 4 - 0 . 6 0 \mathrm { m }}$ |
| Context | Context type | Description | Dimensions | Artefacts/Samples |
| 401 | Topsoil | Mid grey-black sandy <br> silt moderate gravel and <br> chalk | $0.28-0.43 \mathrm{~m}$ | - |
| 402 | Layer | Mid grey-brown sandy <br> silt moderate gravel, flint <br> and chalk | $0.01-0.09 \mathrm{~m}$ | - |
| 403 | Natural | Dark orange-brown <br> sandy ironstone clay. <br> area prone to flooding | - | - |



Overview of trench 4, looking west-south-west Fig 11

| Trench <br> No | Length, width <br> $\&$ <br> alignment | NGR | Surface <br> height <br> (aOD) | Depth of natural |
| :---: | :---: | :---: | :---: | :---: |
| 5 | $1.8 \mathrm{~m} \times 50 \mathrm{~m}$, <br> E-W | $\mathbf{4 5 3 8 9 9 2 5 3 1 9 2}$ | $146.21-$ <br> 143.35 m | $\mathbf{0 . 3 9 - 0 . 6 4 \mathrm { m }}$ |
| Context | Context type | Description | Dimensions | Artefacts/Samples |
| 501 | Topsoil | Mid grey-black sandy <br> silt moderate gravel and <br> flint. | $0.18-0.30 \mathrm{~m}$ | - |
| 502 | Subsoil | Orange-brown sandy <br> silty clay occasional <br> gravels | $0.12-0.15 \mathrm{~m}$ | - |
| 503 | Natural | Orange-brown silty sand <br> with patches of yellow <br> sandy clay | - | - |



Overview of trench 5, looking west Fig 12

| Trench No | Length, width \& alignment | NGR | Surface height (aOD) | Depth of natural |
| :---: | :---: | :---: | :---: | :---: |
| 6 | $1.8 \mathrm{~m} \times 50 \mathrm{~m}$, NNE-SSW | 453900253247 | $\begin{aligned} & 147.42- \\ & 148.24 m \end{aligned}$ | 0.31-0.32m |
| Context | Context type | Description | Dimensions | Artefacts/Samples |
| 601 | Topsoil | Mid grey-black sandy silt moderate gravel and flint. | 0.21-0.32m | - |
| 602 | Natural | Light orange-brown changing to dark orange -brown sandy silty clay moderate gravels, flint and chalk | - | - |
| 603 | Fill of 604 | Dark orange-brown silty sandy clay | 1.60 m wide 0.13 m deep | - |
| 604 | Cut of furrow | Shallow cut of furrow | 1.60 m wide 0.13 m deep | - |
| 605 | Fill of 606 | Dark orange-brown silty sandy clay | 0.40 m wide | - |
| 606 | Cut of Landdrain | U-Shape cut of landdrain | 0.40 m wide | - |



| Trench <br> No | Length, width <br> $\&$ alignment | NGR | Surface <br> height <br> (aOD) | Depth of natural |
| :---: | :---: | :---: | :---: | :---: |
| 7 | $1.8 \mathrm{~m} \times 50 \mathrm{~m}$, <br> E-W | 454000253227 | $142.09-$ <br> 145.15 m | $0.37-0.49 \mathrm{~m}$ |
| Context | Context type | Description | Dimensions | Artefacts/Samples |
| 701 | Topsoil | Mid grey-orange sandy <br> silt moderate gravel, flint <br> and chalk | $0.32-0.42 \mathrm{~m}$ | - |
| 702 | Natural | Mid orange-brown <br> sandy silt occasional <br> gravels and ironstone | - | - |



| Trench <br> No | Length, width <br> $\&$ <br> alignment | NGR | Surface <br> height <br> (aOD) | Depth of natural |
| :---: | :---: | :---: | :---: | :---: |
| 8 | $1.8 \mathrm{~m} \times 50 \mathrm{~m}$ <br> NE-SW | $\mathbf{4 5 3 9 7 0 2 5 3 2 9 6}$ | $\mathbf{1 4 4 . 8 2 \mathrm { m }}$ | $0.42-\mathbf{0 . 6 4 m}$ |
| Context | Context type | Description | Dimensions | Artefacts/Samples |
| 801 | Topsoil | Mid orange-brown silty <br> clay moderate ironstone | $0.26-0.38 \mathrm{~m}$ | - |
| 802 | Natural | Mid orange-brown <br> sandy ironstone silty <br> clay occasional gravel <br> and flint | - | - |



| Trench <br> No | Length, width <br> \& alignment | NGR | Surface <br> height <br> (aOD) | Depth of natural |
| :---: | :---: | :---: | :---: | :---: |
| 9 | $1.8 \mathrm{~m} \times 50 \mathrm{~m}$ <br> N -S | 454016 253344 | $142.77-$ <br> 144.08 m | $0.28-\mathbf{0 . 6 0 \mathrm { m }}$ |
| Context | Context type | Description | Dimensions | Artefacts/Samples |
| 901 | Topsoil | Mid grey-brown sandy <br> silty clay moderate <br> gravel and chalk root <br> disturbance at northern <br> part of trench | $0.22-0.29 \mathrm{~m}$ | - |
| 902 | Colluvium | Mid orange-brown <br> sandy silty clay <br> moderate gravels, and <br> ironstone | sondage |  |



Overview of trench 9, looking north
Fig 16

| Trench <br> No | Length, <br>  <br> alignment | NGR | Surface height <br> (aOD) | Depth of <br> natural |
| :---: | :---: | :---: | :---: | :---: |
| 10 | $1.8 \mathrm{~m} \times 50 \mathrm{~m}$ <br> NNE-SSW | 453926253345 | $147.36-149.11 \mathrm{~m}$ | $\mathbf{0 . 3 1 - 0 . 3 9 \mathrm { m }}$ |
| Context | Context <br> type | Description | Dimensions | Artefacts/Sam <br> ples |
| 1001 | Topsoil | Mid grey-brown sandy silty <br> clay moderate gravel | $0.21-0.31 \mathrm{~m}$ | - |
| 1002 | Natural | Orange-brown sandy silty <br> clay moderate gravels and <br> ironstone | - | - |



Overview of trench 10, looking north-north-east Fig 17

| Trench <br> No | Length, width <br> $\&$ <br> alignment |  | NGR | Surface <br> height (aOD) |
| :---: | :---: | :---: | :---: | :---: |
| 11 | $1.8 \mathrm{~m} \times 50 \mathrm{~m}$ <br> WNW-ESE | 453843253377 | Depth of <br> natural |  |
| Context | Context type | Description | Dimensions | Artefacts/ <br> Samples |
| 1101 | Topsoil | Grey-brown sandy silty clay <br> moderate gravel. | $0.27-0.30 \mathrm{~m}$ | - |
| 1102 | Natural | Grey-brown silty clay occasional <br> stone, gravel and chalk |  | - |



Overview of trench 11, looking west-north-west Fig 18

| Trench <br> No | Length, <br>  <br> alignment | NGR | Surface height <br> (aOD) | Depth of natural |
| :---: | :---: | :---: | :---: | :---: |
| 12 | $1.8 \mathrm{~m} \times 50 \mathrm{~m}$ <br> E-W | 453793253337 | $148.59-$ <br> 150.33 m | $0.33-0.42 \mathrm{~m}$ |
| Context | Context type | Description | Dimensions | Artefacts/ <br> Samples |
| 1201 | Topsoil | Mid grey-brown sandy <br> silty clay moderate <br> gravel and chalk | $0.22-0.29 \mathrm{~m}$ | - |
| 1202 | Natural | Yellow-brown silty clay <br> frequent gravel and <br> ironstone | - | - |



Overview of trench 12, looking east Fig 19

| Trench <br> No | Length, <br>  <br> alignment | NGR | Surface height <br> (aOD) | Depth of natural |
| :---: | :---: | :---: | :---: | :---: |
| 13 | $1.8 \mathrm{~m} \times 50 \mathrm{~m}$ <br> E-W | 453821253279 | $150.55-$ <br> 151.78 m | $\mathbf{0 . 3 3 - 0 . 5 8 \mathrm { m }}$ |
| Context | Context type | Description | Dimensions | Artefacts/ <br> Samples |
| 1301 | Topsoil | Mid grey-brown sandy <br> silty clay moderate <br> gravel and chalk | $0.22-0.29 \mathrm{~m}$ | - |
| 1302 | Subsoil | Light grey-brown silty <br> clay | $0.08-0.18 \mathrm{~m}$ | - |
| 1303 | Natural | Yellow-brown silty clay <br> frequent gravel and <br> ironstone | - | - |



Overview of trench 13, looking east Fig 20

| Trench <br> No | Length, <br>  <br> alignment | NGR | Surface height <br> (aOD) | Depth of natural |
| :---: | :---: | :---: | :---: | :---: |
| 14 | $1.8 \mathrm{~m} \times 50 \mathrm{~m}$ <br> NE-SW | 453817253236 | $147.93-$ <br> 150.50 m | $0.34-0.53 \mathrm{~m}$ |
| Context | Context type | Description | Dimensions | Artefacts/ <br> Samples |
| 1401 | Topsoil | Grey-brown sandy silty <br> clay moderate gravel | $0.29-0.41 \mathrm{~m}$ | - |
| 1402 | Natural | Yellow-brown silty clay <br> frequent gravel and <br> ironstone | - | - |



Overview of trench 14, looking north-east Fig 21


Overview of trench 15 , looking south
Fig 22

| Trench <br> No | Length, <br>  <br> alignment | NGR | Surface height <br> (aOD) | Depth of natural |
| :---: | :---: | :---: | :---: | :---: |
| 16 | $1.8 \mathrm{~m} \times 50 \mathrm{~m}$ <br> E-W | $\mathbf{4 5 3 7 3 0 , 2 5 3 2 2 7}$ | - | $0.45-0.61 \mathrm{~m}$ |
| Context | Context type | Description | Dimensions | Artefacts/ <br> Samples |
| 1601 | Topsoil | Grey-brown silty clay <br> moderate gravel and <br> stone | $0.21-0.28 \mathrm{~m}$ | - |
| 1602 | Natural | Yellow-brown orange- <br> brown silty clay frequent <br> gravel, stone and | - | - |
| ironstone area prone to |  |  |  |  |
| flooding |  |  |  |  |$\quad$|  |
| :--- |



Overview of trench 16, looking west Fig 23

| Trench <br> No | Length, <br>  <br> alignment | NGR | Surface height <br> (aOD) | Depth of natural |
| :---: | :---: | :---: | :---: | :---: |
| 17 | $1.8 \mathrm{~m} \times 50 \mathrm{~m}$ <br> N-S | 453695253320 | 146.61 m | $0.21-0.36 \mathrm{~m}$ |
| Context | Context type | Description | Dimensions | Artefacts/ <br> Samples |
| 1701 | Topsoil | Dark grey-brown sandy <br> silty clay moderate <br> gravel and stone | $0.21-0.26 \mathrm{~m}$ | - |
| 1702 | Natural | Yellow-brown silty clay <br> frequent gravel and <br> ironstone area prone to <br> flooding | - | - |



Overview of trench 17, looking north
Fig 24

| Trench <br> No | Length, <br>  <br> alignment | NGR | Surface height <br> (aOD) | Depth of natural |
| :---: | :---: | :---: | :---: | :---: |
| 18 | $1.8 \mathrm{~m} \times 50 \mathrm{~m}$ <br> NE-SW | 453766253324 | $146.35-$ <br> 147.69 m | $0.25-0.27 \mathrm{~m}$ |
| Context | Context type | Description | Dimensions | Artefacts/ <br> Samples |
| 1801 | Topsoil | Dark grey-brown sandy <br> silty clay moderate <br> gravel and ironstone | $0.17-0.25 \mathrm{~m}$ | - |
| 1802 | Natural | Orange-brown silty clay <br> frequent gravel and <br> ironstone area prone to <br> flooding | - | - |



Overview of trench 18, looking north-east Fig 25

| Trench <br> No | Length, <br>  <br> alignment | NGR | Surface height <br> (aOD) | Depth of natural |
| :---: | :---: | :---: | :---: | :---: |
| 19 | $1.8 \mathrm{~m} \times 50 \mathrm{~m}$ <br> N-S | 453767253400 | 147.15 | $0.32-0.37 \mathrm{~m}$ |
| Context | Context type | Description | Dimensions | Artefacts/ <br> Samples |
| 1901 | Topsoil | Dark grey-brown silty <br> clay moderate gravel <br> and ironstone | $0.26-0.37 \mathrm{~m}$ | - |
| 1902 | Natural | Dark orange-brown silty <br> clay frequent gravel and <br> ironstone area prone to <br> flooding |  | - |



Overview of trench 19, looking north Fig 26

| Trench <br> No | Length, <br>  <br> alignment | NGR | Surface height <br> (aOD) | Depth of natural |
| :---: | :---: | :---: | :---: | :---: |
| 20 | $1.8 \mathrm{~m} \times 50 \mathrm{~m}$ <br> SE-NW | 453687253405 | $146.33-$ <br> 146.81 m | $0.41-0.60 \mathrm{~m}$ |
| Context | Context type | Description | Dimensions | Artefacts/ <br> Samples |
| 2001 | Topsoil | Dark grey-brown silty <br> clay moderate gravel, <br> stone and ironstone | $0.19-0.32 \mathrm{~m}$ | - |
| 2002 | Natural | Orange-brown silty clay <br> frequent gravel and <br> ironstone area prone to <br> flooding | - | - |



Overview of trench 20, looking north-west Fig 27


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