

# Heckington Fen Solar Park EN010123

### Outline Written Scheme of Investigation-Evaluation

Applicant: Ecotricity (Heck Fen Solar) Limited

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## OUTLINE WRITTEN SCHEME OF INVESTIGATION - EVALUATION

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## Heckington Fen Cable Route, Lincolnshire

Outline Written Scheme of Investigation – Evaluation

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#### **Document Information**

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Site location Brown's Drove, Swineshead Bridge, Swineshead (north of route) to

Bicker Drove, Villa Farm (south of route), Boston

County Lincolnshire

National grid reference 521474 343910 (TF 21474 43910) to 519648 339324 (TF 19648

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#### **Contents**

1	INTRODUCTION	1
	1.1 Project and planning background	
	1.2 Scope of document	
	1.3 Location, topography and geology	
	1.4 Introduction	
	1.5 Previous investigations related to the proposed development	3
	1.6 Archaeological and historical context	3
2	AIMS AND OBJECTIVES	4
	2.1 General aims	4
	2.2 General objectives	4
	2.3 Site-specific objectives	5
3	FIELDWORK METHODS	5
•	3.1 Introduction	
	3.2 Setting out of the trenches	
	3.3 Service location and other constraints	
	3.4 Excavation methods	
	3.5 Recording	
	3.6 Survey	
	3.7 Monitoring	
	3.8 Reinstatement	
	3.9 Finds	
	3.10 Environmental sampling	8
4	POST-EXCAVATION METHODS AND REPORTING	9
	4.1 Stratigraphic evidence	
	4.2 Finds evidence	9
	4.3 Environmental evidence	9
	4.4 Reporting	10
5	ARCHIVE STORAGE AND CURATION	11
•	5.1 Museum	
	5.2 Transfer of title	
	5.3 Preparation of archive	
	5.4 Selection strategy	
	5.5 Security copy	12
6	OUTREACH AND SOCIAL MEDIA	12
7	COPYRIGHT	12
	7.1 Archive and report copyright	
	7.2 Third party data copyright	12
8	WESSEX ARCHAEOLOGY PROCEDURES	12
	8.1 External quality standards	
	8.2 Personnel	
	8.3 Internal quality standards	
	8.4 Health and safety	
	8.5 Insurance	14
REFE	RENCES	15
APP	NDICES	
	Appendix 1 Finds and environmental specialists	
	Appendix 2 Trial Trench Rationale	1

i



#### **List of Figures**

List of 1 ig	4100
Figure 1	Site location and trench layout
Figure 2	Proposed trenches and geophysics data overlaid with mapping
Figure 3	Proposed trenches and geophysics data overlaid with mapping
Figure 4	Proposed trenches and geophysics data overlaid with mapping
Figure 5	Proposed trenches and geophysics data overlaid with mapping
Figure 6	Proposed trenches and geophysics data overlaid with mapping
Figure 7	Proposed trenches and geophysics data overlaid with mapping
Figure 8	Proposed trenches and geophysics data overlaid with mapping
Figure 9	Proposed trenches and geophysics data overlaid with mapping
Figure 10	Proposed trenches and geophysics data overlaid with mapping



#### Heckington Fen Cable Route Lincolnshire

#### Outline Written Scheme of Investigation for Archaeological Evaluation

#### 1 INTRODUCTION

#### 1.1 Project and planning background

- 1.1.1 Wessex Archaeology has been commissioned by Pegasus Group ('the consultant') on behalf of Ecotricity (Heck Fen Solar) Ltd ('the client'), to produce a written scheme of investigation (WSI) for a proposed archaeological evaluation of a 120 ha area extending south from Holland Dike on the north side of the A17 at East Heckington (PE20 3PZ) to the National Grid Bicker Fen substation (PE20 3BQ), hereafter 'the site'. The site ranges from NGR 520932 343931 (north) to 519648 339324 (south) (Fig. 1).
- 1.1.2 The site is proposed for a cable route connecting a proposed solar park and energy storage facility at Six Hundreds Farm, Heckington Fen ('the Energy Park') to the National Grid Bicker Fen substation. These elements form part of the Proposed Development Plan for the Environmental Impact Assessment (Pegasus 2022a) and the Development Consent Order Application for the Heckington Fen Solar Park.

#### 1.1.3 As stated in the EIA (*ibid*):

The Development falls within the definition of a 'nationally significant infrastructure project' (NSIP) under Section 14(1)(a) and 15(2) of the Planning Act 2008 (the "Act") as the construction of a generating station with a capacity of more than 50MW, with a capacity in the region of 500MW.

- 1.1.4 The evaluation will comprise the excavation, investigation and recording of 230 trial trenches (each measuring 50 m by 2 m), equating to a 2% sample of the proposed development area.
- 1.1.5 This evaluation is part of a staged approach in determining the archaeological potential of the site, and follows other non-intrusive archaeological work, including a geophysical survey (Headland Archaeology 2022). The results of the survey, along with a heritage desk-based assessment inclusive of geological information and aerial photographic and LiDAR imagery (Pegasus Group 2022b), has guided the location of the trenches.
- 1.1.6 Although we believe that the archaeological potential of the site has been sufficiently targeted by the above 230 trenches, in addition, there is a provisional contingency for up to an additional 240 trenches. Additional trenching will only be deployed if the level and the complexity of archaeology could not be resolved by the initial number of trenches. This will be done with a prior dialogue and an agreement with the consultant, the client and the archaeological advisors to the local planning authorities; the use of the contingency (i.e., the actual trenching on site) within a specific area will need to be executed as soon as determined needed as to avoid any delays in the programme.



- 1.1.7 The evaluation seeks to locate and identify the presence of any significant archaeology within the area proposed for the development, and to inform a programme of a potential next stage of archaeological works archaeological mitigation.
- 1.1.8 A detailed trench by trench rationale for the location of the trenches is presented in **Appendix 2.**
- 1.1.9 The trenches have been positioned to include:
  - anomalies interpreted as probable/potential archaeological features;
  - anomalies interpreted as possible features of non-archaeological origin;
  - a sample of areas with roddon coverage which may or may not be masking buried archaeological features;
  - a sample of areas with ridge and furrow coverage, which may or may not be masking buried archaeological features; and
  - a sample of 'blank' areas.

#### 1.2 Scope of document

- 1.2.1 This WSI sets out the aims of the evaluation, and the methods and standards that will be employed. In format and content, it conforms to current best practice, as well as to the guidance in *Management of Research Projects in the Historic Environment* (MoRPHE, Historic England 2015a) and the Chartered Institute for Archaeologists' (ClfA) *Standard and Guidance for Archaeological Field Evaluation* (ClfA 2014a).
- 1.2.2 This outline WSI is a certified document within the Development Consent Order (DCO) and is secured by Requirement 12 of the draft DCO (document reference 3.1). Requirement 12 provides that no part of the cable route works may commence until a Written Scheme of Archaeological Investigation (which must accord with this Outline Written Scheme of Investigation Evaluation) has been submitted to and approved by the county authority, in consultation with the relevant planning authority.
- 1.2.3 In the event that the Applicant has been able to undertake trial trenching evaluation works on the cable route prior to the close of the DCO Examination then it might be necessary to remove this element of Requirement 12, leaving just the outline WSI for Mitigation (document reference 7.14).
- 1.2.4 This document will be submitted to the client and Denise Drury, Senior Historic Environment Officer at Heritage Lincolnshire (hereafter 'HL') and Matthew Adams and Jan Allen, Historic Environment Officers at Lincolnshire County Council (hereafter 'LCC') for approval, prior to the start of the evaluation. In addition, the document will be submitted to Historic England.

#### 1.3 Location, topography and geology

- 1.3.1 The proposed evaluation area is located within arable land west of the A17 and east of South Forty Foot Drain; between NGR 521474 343910 (north) and 519648 339324 (south) (Fig. 1).
- 1.3.2 Existing ground levels are between 1 m and 5 m above Ordnance Datum (aOD).
- 1.3.3 The bedrock geology is West Walton Formation Mudstone and Siltstone in the north of the site and Oxford Clay Formation Mudstone in the south (British Geological Survey 2022). The bedrock is overlaid by superficial tidal deposits of clay and silt.



#### 1.4 Introduction

#### 1.5 Previous investigations related to the proposed development

Heritage desk-based assessment (2022)

- 1.5.1 The historical and archaeological background was assessed in a prior desk-based assessment (Pegasus Group 2022). HER data, PAS data, historic maps, and Historic England's collection of historic aerial photographs were sourced for a 2km radius of the boundaries of the Site. The HER's collection of historic aerial photographs was consulted for the Site only. NHLE data was reviewed for a 5km radius of the Site.
- 1.5.2 A summary of the assessment is presented below, with relevant Monument ID numbers from the Lincolnshire Historic Environment Record (HER).

Geophysical survey (2022)

1.5.3 A geophysical survey has been carried out across the cable route. The survey concluded that the area is dominated by geological/natural anomalies associated with the former saltmarsh landscape; it is crossed by several sinuous anomalies indicative of former channels meandering across the landscape. Possible archaeological features were recorded in the northern part of the route, to the south-west of Royalty Farm, where a number of interconnecting ditch-type anomalies form a possible enclosure complex which respects the former watercourses. Cropmarks are also visible in this field on certain historic aerial photographs reviewed as part of the desk-based assessment (Pegasus Group 2022b). A number of anomalies also represent former field boundaries.

#### 1.6 Archaeological and historical context

Prehistoric and Romano-British

- 1.6.1 In the Early Holocene, the land proposed for the site would have comprised low-lying saltmarsh crossed by tidal river channels. Marine transgression would have filled the channels with sediment, creating dry ridges of silt, or roddons. A number of these roddons were settled and used during the prehistoric and Romano-British periods.
- 1.6.2 Neolithic and Bronze Age tools and Romano-British pottery have been discovered to the east of the site, near Swineshead (HER MLI12570, MLI12574, MLI12569, MLI12590), West Low Grounds (HER MLI2573) and Holthills Farm (HER MLI22410). Finds suggest a possible saltern present at Holthills, while a Romano-British saltern has been identified at Helpringham Fen, south-west of the Bicker Fen substation.
- 1.6.3 Cropmarks of probable Iron Age and Romano-British settlement have been recorded around 750 m east of the cable route's central section at East Low Grounds (HER MLI90812), as well as at Bicker Fen (HER MLI2525, MLI90808 and MLI90811) at the south end of the route and near Donnington (HER MLI90719), 1 km south of the route.
- 1.6.4 In 2022 archaeological mitigation works for Viking Link identified undated ditches, gullies and pits, as well as a roundhouse, to the north and west of the site (Wessex Archaeology, forthcoming). It is possible that these features were remains of prehistoric and/or Romano-British settlement and agricultural activity.

Early medieval and medieval

1.6.5 Garwick, approximately 3.5 km west of the northern section of the site, is believed to be the location of a high-status Middle Anglo-Saxon trading centre of possible Early Anglo-Saxon or even Roman origins (HER MLI116391). A total of 269 mid-6th to mid-8th-century coins alongside brooches, hooked tags, tweezers, and strap ends where found during metal -



- detecting and is one of Lincolnshire's largest recorded assemblages of finds from this period.
- 1.6.6 Swineshead is mentioned in the c.AD 890 Anglo-Saxon Chronicle in relation to a charter dating from AD 675. There has been some evidence of early medieval activity recorded within the town and Heckington, Steyning (Swineshead) and Bicker were all recorded in the 1086 Domesday survey (Open Domesday 2022).

#### Post-medieval and modern

- 1.6.7 The Lincolnshire Fens were subject to large-scale drainage engineering schemes from the 17th century onwards. The construction of the South Forty Foot Drain, to the west of the site, was undertaken from 1635 to 1638.
- 1.6.8 The settlement of East Heckington, along the A17, was in existence by the 18th century (HER MLI87648). Buildings recorded here by the HER include the 19th-century or earlier farmsteads of Poplars Farm (MLI121995), Elm Grange (MLI121956), Home Farm (MLI121955), Rectory Farm (MLI121954), and Rakes Farm (MLI121953); two 19th-century places of worship (MLI87649, MLI97290); an early 20th-century or earlier smithy (MLI88102); and the early 20th-century house and designed landscape of Park House (MLI87654).
- 1.6.9 Historic maps show the land along which the cable route extends as drained by the late 18th century. The 1850 Tithe Map for Great Hale shows the north-western section of the cable route, between the A17 and Labour in Vain Drain, and illustrated a greater number of fields to the east of Hall Farm than exist today. The First Edition OS map showed the land proposed for the cable route comprising sub-rectangular fields. Small buildings and farmhouses are also present, dotted around the landscape.

#### 2 AIMS AND OBJECTIVES

#### 2.1 General aims

- 2.1.1 The general aims (or purpose) of the evaluation, in compliance with the ClfA *Standard and Guidance for Archaeological Field Evaluation* (ClfA 2014a), are to:
  - provide information about the archaeological potential of the site; and
  - inform either the scope and nature of any further archaeological work that may be required; or the formation of a mitigation strategy (to offset the impact of the development on the archaeological resource); or a management strategy.

#### 2.2 General objectives

- 2.2.1 In order to achieve the above aims, the general objectives of the evaluation are to:
  - determine the presence or absence of archaeological features, deposits, structures, artefacts or ecofacts within the specified area;
  - establish, within the constraints of the evaluation, the extent, character, date, condition and quality of any surviving archaeological remains;
  - place any identified archaeological remains within a wider historical and archaeological context in order to assess their significance;
  - if required inform the design of an appropriate archaeological mitigation strategy, such as a requirement for further archaeological investigation in the form of set-



- piece excavation or strip, map and record, and/or archaeological monitoring during ground works at construction;
- make available information about the archaeological resource within the site by reporting on the results of the evaluation; and
- to produce a site archive for deposition with The Collection Museum and to provide information for accession to the museum

#### 2.3 Site-specific objectives

2.3.1 Following consideration of the archaeological potential of the site and the regional research framework Knight, Vyner & Allen, 2012: East Midlands Heritage: An Updated Research Agenda and Strategy for the Historic Environment of the East Midlands (now held online)

site-specific objectives of the evaluation are to:

- test the results of the geophysical survey;
- test the 'blank areas' for any previously undetected archaeological remains;
- determine the presence or absence of early prehistoric remains covered by alluvial deposits or by peat;
- determine the depth of the alluvial sequence and examine the archaeological and palaeoenvironmental potential of alluvial deposits;
- examine evidence for remains of medieval/post-medieval agricultural remains and assess if this has impacted on any earlier remains;
- examine the evidence of water management and land drainage change int postmedieval and modern (1750+) period;
- examine the artefactual and ecofactual potential of archaeological deposits, some of which may be waterlogged; and
- assess the potential for the recovery of artefacts to assist in the development of type series within their local, regional and national context

#### 3 FIELDWORK METHODS

#### 3.1 Introduction

- 3.1.1 Health and safety will override archaeological considerations in all works since, as stated in CIfA guidance, Health and Safety regulations and requirements cannot be ignored no matter how imperative the need to record archaeological information; hence Health and Safety will take priority over archaeological matters (CIfA 2014a, 11)
- 3.1.2 All works will be undertaken in accordance with the detailed methods set out within this WSI. Any significant variations to these methods will be agreed in writing with the Senior Historic Officer at HL and Historic Environment officer at LCC and the client prior to being implemented.
- 3.1.3 The evaluation will comprise the excavation, investigation and recording of 219 trial trenches (each measuring 50 m by 2 m), equating to a 2% sample of the proposed development area.



#### 3.2 Setting out of the trenches

3.2.1 All trenches will be set out using a Global Navigation Satellite System (GNSS) or Total Station Theodolite (TST) in the approximate positions shown in Figure 1. Minor adjustments to the layout may be required to take account of constraints such as vegetation or located services, and to allow for machine manoeuvring. The trench locations will be tied into the Ordnance Survey (OS) National Grid and Ordnance Datum (OD) (Newlyn), as defined by OSTN15 and OSGM15.

#### 3.3 Service location and other constraints

- 3.3.1 The client will provide information regarding the presence of any below/above-ground services, and any ecological, environmental or other constraints.
- 3.3.2 Before excavation begins, the evaluation area will be walked over and visually inspected to identify, where possible, the location of any below/above-ground services. All trial trench locations will be scanned before and during excavation with a Cable Avoidance Tool (CAT) to verify the absence of any live underground services.

#### 3.4 Excavation methods

- 3.4.1 The trenches will be excavated using a 360° tracked excavator equipped with a toothless bucket. Machine excavation will be under the constant supervision and instruction of the monitoring archaeologist. Machine excavation will proceed in level spits of approximately 50–200 mm until either the archaeological horizon or the natural geology is exposed.
- 3.4.2 Particular attention will be paid to achieving a clean and well-defined horizon with the machine. The surface achieved through machine excavation will be inspected for archaeological remains.
- 3.4.3 The arisings from the archaeological works will be store adjacent to the trenches, directly onto the ground with no artificial protection, within a safe distance and separated according to the material (topsoil separated from subsoil). It is not anticipated that entire trenches will require hand cleaning.
- 3.4.4 A sample of the archaeological features and deposits identified will be hand-excavated, sufficient to address the aims of the evaluation.
  - all relationships between features and deposits will be excavated and recorded;
  - all discrete features will be half sectioned. Those thought to form part of recognisable structures, contain deposits of particular value or significant artefact or environmental assemblages will be fully excavated;
  - all excavated ditch sections will be one metre wide, unless conditions dictate otherwise;
- 3.4.5 Spoil derived from machine stripping and hand-excavation will be visually scanned for the purposes of finds retrieval, and where appropriate will also be metal-detected by trained archaeologists. Artefacts and other finds will be collected and bagged by context.
- 3.4.6 If an exceptional number and/or complexity of archaeological deposits are identified, sample excavation will aim to be minimally intrusive, but sufficient to resolve the principal aims of the evaluation, to a level agreed with the Senior Historic Officer at HL and Historic Environment officer at LCC and the client.



- 3.4.7 If human remains are uncovered, the specific methods outlined below (section 3.9.2) will be followed.
- 3.4.8 If trenches where natural deposits are not encountered due to depth, or where the interpretation of natural deposits is in doubt, sondage excavations down to natural deposits, will be machine-excavated at each end of the trench and the full sequence of deposits thus revealed and recorded by photographing the section only. At no circumstances will the sondage be entered by an archaeologist. The sondage will be backfilled immediately upon taking a photograph.
- 3.4.9 Naturally derived soil horizons will also be investigated, especially where these are organically-preserved and laid down within archaeological periods. Particular emphasis will be placed upon the recording and sampling of peat, palaeochannels and alluvial formations, so as to gain an understanding of the natural environment before, during and after any human occupation of adjacent or inter-stratified landscapes.
- 3.4.10 Where complex archaeological stratification is encountered, deposits will be left *in situ* and alternative measures taken to assess their depth.
- 3.4.11 Where modern features are seen to truncate the archaeological stratification, these may be removed, where practicable, in a manner that does not damage the surrounding deposits to enable the depth of stratification to be assessed.

#### 3.5 Recording

- 3.5.1 All exposed archaeological deposits and features will be recorded using Wessex Archaeology's pro forma recording system.
- 3.5.2 A complete record of excavated archaeological features and deposits will be made. This will include plans and sections, drawn to appropriate scales (generally 1:20 or 1:50 for plans, 1:10 for sections) and tied to the OS National Grid.
- 3.5.3 A full photographic record will be made using digital cameras equipped with an image sensor of not less than 16 megapixels. This will record both the detail and the general context of the principal features and the site. Digital images will be subject to managed quality control and curation processes, which will embed appropriate metadata within the image and ensure long term accessibility of the image set. Photographs will also be taken of all areas, including access routes, to provide a record of conditions prior to and on completion of the evaluation.

#### 3.6 Survey

3.6.1 The real time kinematic (RTK) survey of all trenches and features will be carried out using a Leica GNSS connected to Leica's SmartNet service. All survey data will be recorded in OS National Grid coordinates and heights above OD (Newlyn), as defined by OSTN15 and OSGM15, with a three-dimensional accuracy of at least 50 mm.

#### 3.7 Monitoring

3.7.1 The client will inform Senior Historic Officer at HL and Historic Environment officer at LCC of the start of the evaluation and its progress. Reasonable access will be arranged to make site visits to inspect and monitor the progress of the evaluation. Any variations to the WSI, if required to better address the project aims, will be agreed in advance with the client and the Senior Historic Officer at HL and Historic Environment officer at LCC.



#### 3.8 Reinstatement

3.8.1 Trenches completed to the satisfaction of the client and the Senior Historic Officer at HL and Historic Environment officer at LCC will be backfilled using excavated materials in the order in which they were excavated and left level on completion. No other reinstatement or surface treatment will be undertaken.

#### 3.9 Finds

#### General

3.9.1 All archaeological finds will be retained, although those of clearly very recent origin with negligible potential to provide information relevant to the project aims and objectives may be recorded on site and not retained. Where appropriate, soil samples may be taken and sieved to aid in finds recovery. Any finds requiring conservation or specific storage conditions will be dealt with immediately in line with *First Aid for Finds* (Watkinson and Neal 1998).

#### Human remains

- 3.9.2 In the event of discovery of any human remains (articulated or disarticulated, cremated or unburnt), all excavation of the deposit(s) will cease pending Wessex Archaeology obtaining a Ministry of Justice licence (this includes cases where remains are to be left *in situ*).
- 3.9.3 Initially the remains will be left *in situ*, covered and protected, pending discussions between the client, Wessex Archaeology's osteoarchaeologist and the Senior Historic Officer at HL and Historic Environment officer at LCC regarding the need for excavation/removal or sampling. Where this is deemed appropriate, the human remains will be fully recorded, excavated and removed from site in compliance with the Ministry of Justice licence.
- 3.9.4 Excavation and post-excavation processing of human remains will be in accordance with Wessex Archaeology protocols and in-line with current guidance documents (e.g., McKinley 2013) and the standards set out in ClfA Technical Paper 13 (McKinley and Roberts 2013). Appropriate specialist guidance/site visits will be undertaken if required.
- 3.9.5 The final deposition of human remains subsequent to the appropriate level of osteological analysis and other specialist sampling/examinations will follow the requirements set out in the Ministry of Justice licence.

#### Treasure

3.9.6 Wessex Archaeology will immediately notify the client and the Senior Historic Officer at HL and Historic Environment officer at LCC on discovery of any material covered, or potentially covered, by the *Treasure Act 1996*. All information required by the Treasure Act (i.e., finder, location, material, date, associated items etc.) will be reported to the Coroner within 14 days.

#### 3.10 Environmental sampling

- 3.10.1 All sampling will be undertaken following Wessex Archaeology's in-house guidance, which adheres to the principles outlined in Historic England's guidance (English Heritage 2011 and Historic England 2015b).
- 3.10.2 Bulk environmental soil samples, for the recovery of plant macrofossils, wood charcoal, small animal bones and other small artefacts, will be taken as appropriate from well-sealed and dateable contexts. In general, features directly associated with particular activities (e.g., pits, latrines, cesspits, hearths, ovens, kilns, and corn driers) should be prioritised for



- sampling over features, such as ditches or postholes, which are likely to contain reworked and residual material.
- 3.10.3 If waterlogged or mineralised deposits are encountered, an environmental sampling strategy will be devised and agreed with the Senior Historic Officer at HL and Historic Environment officer at LCC as appropriate. Specialist guidance will be provided by a member of Wessex Archaeology's geoarchaeological and environmental team, with site visits undertaken if required.
- 3.10.4 Any samples will be of an appropriate size typically 40 litres for the recovery of environmental evidence from dry contexts, and 10 litres from waterlogged deposits.
- 3.10.5 Following specialist advice, other sampling methods such as monolith, Kubiena or contiguous small bulk (column) samples may be employed to enable investigation of deposits with regard to microfossils (e.g., pollen, diatoms) and macrofossils (e.g., molluscs, insects), soil micromorphological or soil chemical analyses.

#### 4 POST-EXCAVATION METHODS AND REPORTING

#### 4.1 Stratigraphic evidence

- 4.1.1 All written and drawn records from the evaluation will be collated, checked for consistency and stratigraphic relationships. Key data will be transcribed into a database, which can be updated during any future analyses. The preliminary phasing of archaeological features and deposits will be undertaken using stratigraphic relationships and the spot dating from finds, particularly pottery.
- 4.1.2 A written description will be made of all archaeologically significant features and deposits that were exposed and excavated, ordered either by trench or by period as appropriate. Detail of all contexts will be provided in trench tables in the appendix of the report.

#### 4.2 Finds evidence

- 4.2.1 All retained finds will, as a minimum, be washed, weighed, counted and identified. They will then be recorded to a level appropriate to the aims and objectives of the evaluation. Recording and reporting will conform to the Type 2 (Appraisal) level according to ClfA's *Toolkit for Specialist Reporting*, to include appropriate quantification, characterisation and assessment of significance and potential. The report will include a table of finds by feature/context or trench.
- 4.2.2 Metalwork from stratified contexts will be X-rayed and, along with other fragile and delicate materials, stored in a stable environment. The X-raying of objects and other conservation needs will be undertaken by Wessex Archaeology in-house conservation staff, or by another approved conservation centre.
- 4.2.3 Finds will be suitably bagged and boxed in accordance with the guidance given by the relevant museum and generally in accordance with the standards of the ClfA (2014b).

#### 4.3 Environmental evidence

4.3.1 Bulk environmental soil samples will be processed by standard flotation methods. The residues will be fractionated into 5.6/4 mm and 1/0.5 mm and dried if necessary. The coarse residue fraction (>5.6/4 mm), and the fine fraction when appropriate, will be sorted and discarded, with any finds recovered given to the appropriate specialist. The flot will be retained on a 0.25 mm mesh and scanned to assess the range of environmental remains



- present and their preservation. Unsorted fine residues will be retained until after any analyses and discarded following final reporting (in accordance with the Selection policy, below).
- 4.3.2 In the case of samples from cremation-related deposits the flots will be retained on a 0.25 mm mesh, with residues fractionated into 4 mm, 2 mm and 1 mm. In the case of samples from inhumation burial deposits, the sample will be wet sieved through 9.5 mm and 1 mm mesh sizes. The coarse fractions (9.5 mm) will be sorted with any finds recovered given to the appropriate specialist together with the finer residues.
- 4.3.3 Any waterlogged samples will be processed by standard waterlogged flotation methods.
- 4.3.4 Recording and reporting will conform to the Type 2 (Appraisal) level according to ClfA's *Toolkit for Specialist Reporting*, to include appropriate quantification, characterisation and assessment of significance and potential.

#### 4.4 Reporting

#### General

- 4.4.1 Following completion of the fieldwork and the evaluation of the stratigraphic, artefactual and ecofactual evidence, a draft report will be submitted for approval to the client and the Senior Historic Officer at HL and Historic Environment officer at LCC for comment. Once approved, a final version will be submitted.
- 4.4.2 The report will include the following elements:
  - Non-technical summary;
  - Project background;
  - Archaeological and historical context;
  - Aims and objectives;
  - Methods;
  - Results stratigraphic, finds and environmental;
  - Conclusions in relation to the project aims and objectives, and discussion in relation to the wider local, regional or other archaeological contexts and research frameworks etc;
  - Archive preparation and deposition arrangements;
  - Appendices, including trench summary tables;
  - Illustrations; and
  - References.
- 4.4.3 A copy of the final report will be deposited with the HER, along with surveyed spatial digital data (.dxf or shapefile format) relating to evaluation.

#### **Publication**

4.4.4 If no further mitigation works are undertaken, a short report on the results of the evaluation will be prepared for publication in a suitable journal, if considered appropriate and agreed with the client and the Senior Historic Officer at HL and Historic Environment officer at LCC.



OASIS

4.4.5 An OASIS (online access to the index of archaeological investigation) record will be created, with key fields completed, and a .pdf version of the final report submitted. Subject to any contractual requirements on confidentiality, copies of the OASIS record will be integrated into the relevant local and national records and published through the Archaeology Data Service (ADS) ArchSearch catalogue.

#### 5 ARCHIVE STORAGE AND CURATION

#### 5.1 Museum

5.1.1 It is recommended that the project archive resulting from the evaluation be deposited with The Collection. Provision has been made for the cost of long-term storage in the post-fieldwork costs. The museum has received notification of the project prior to fieldwork commencing, and an accession number has been obtained (LCNCC:2022.104).

#### 5.2 Transfer of title

5.2.1 On completion of the evaluation (or extended fieldwork programme), every effort will be made to persuade the legal owner of any finds recovered (i.e., the landowner), with the exception of human remains and any objects covered by the *Treasure Act 1996*, to transfer their ownership to the museum in a written agreement.

#### 5.3 Preparation of archive

Physical archive

5.3.1 The complete physical archive, which may include paper records, graphics, artefacts, and ecofacts, will be prepared following the standard conditions for the acceptance of excavated archaeological material by The Collection, and in general following nationally recommended guidelines (Brown 2011; ClfA 2014c; SMA 1995). The archive will usually be deposited within one year of the completion of the project, with the agreement of the client.

#### Digital archive

5.3.2 The digital archive generated by the project will be deposited with a Trusted Digital Repository, in this instance the Archaeology Data Service (ADS), to ensure its long-term curation. Digital data will be prepared following ADS guidelines (ADS 2013 and online guidance) and accompanied by metadata.

#### 5.4 Selection strategy

- 5.4.1 It is widely accepted that not all the records and materials (artefacts and ecofacts) collected or created during the course of an archaeological project require preservation in perpetuity. These records and materials will be subject to selection in order to establish what will be retained for long-term curation, with the aim of ensuring that all elements selected to be retained are appropriate to establish the significance of the project and support future research, outreach, engagement, display and learning activities, i.e., the retained archive should fulfil the requirements of future researchers and the receiving Museum.
- 5.4.2 The selection strategy, which details the project-specific selection process, is underpinned by national guidelines on selection and retention (Brown 2011, section 4) and generic selection policies (SMA 1993; Wessex Archaeology's internal selection policy) and follows ClfA's *Toolkit for Selecting Archaeological Archives*. It should be agreed by all stakeholders (Wessex Archaeology's internal specialists, external specialists, local authority, museum) and fully documented in the project archive.



5.4.3 In this instance, given that the level of finds recovery is expected to be relatively low, decisions on selection will be deferred until after the fieldwork stage, and no detailed strategy is presented here. Any material not selected for retention may be used for teaching or reference collections by the museum, or by Wessex Archaeology.

#### 5.5 Security copy

5.5.1 In line with current best practice (e.g., Brown 2011), on completion of the project a security copy of the written records will be prepared in the form of a digital PDF/A file. PDF/A is an ISO-standardised version of the Portable Document Format (PDF) designed for the digital preservation of electronic documents through omission of features ill-suited to long-term archiving.

#### 6 OUTREACH AND SOCIAL MEDIA

6.1.1 In line with its charitable aims, Wessex Archaeology will, where possible and in consultation with the client, seek opportunities to disseminate the results of the evaluation and engage with the local community through social media, press releases, open days and volunteer involvement, while taking into account issues such as health and safety, confidentiality and vandalism.

#### 7 COPYRIGHT

#### 7.1 Archive and report copyright

- 7.1.1 The full copyright of the written/illustrative/digital archive relating to the project will be retained by Wessex Archaeology under the *Copyright, Designs and Patents Act 1988* with all rights reserved. The client will be licenced to use each report for the purposes that it was produced in relation to the project as described in the specification. The museum, however, will be granted an exclusive licence for the use of the archive for educational purposes, including academic research, providing that such use conforms to the *Copyright and Related Rights Regulations 2003*.
- 7.1.2 Information relating to the project will be deposited with the Historic Environment Record (HER), where it can be freely copied without reference to Wessex Archaeology for the purposes of archaeological research, or development control within the planning process.

#### 7.2 Third party data copyright

7.2.1 This document, the evaluation report and the project archive may contain material that is non-Wessex Archaeology copyright (e.g., Ordnance Survey, British Geological Survey, Crown Copyright), or the intellectual property of third parties, which Wessex Archaeology are able to provide for limited reproduction under the terms of our own copyright licences, but for which copyright itself is non-transferable by Wessex Archaeology. Users remain bound by the conditions of the *Copyright, Designs and Patents Act 1988* with regard to multiple copying and electronic dissemination of such material.

#### 8 WESSEX ARCHAEOLOGY PROCEDURES

#### 8.1 External quality standards

8.1.1 Wessex Archaeology is registered as an archaeological organisation with the Chartered Institute for Archaeologists (CIfA) and fully endorses its *Code of conduct* (CIfA 2014d) and *Regulations for professional conduct* (CIfA 2014e). All staff directly employed or subcontracted by Wessex Archaeology will be of a standard approved by Wessex



Archaeology, and archaeological staff will be employed in line with the CIfA codes of practice and will normally be members of the CIfA.

#### 8.2 Personnel

- 8.2.1 The fieldwork will be directed and supervised by an experienced archaeologist from Wessex Archaeology's core staff. The overall responsibility for the conduct and management of the project will be held by one of Wessex Archaeology's project managers, who will visit the fieldwork as appropriate to monitor progress and to ensure that the scope of works is adhered to. Where required, monitoring visits may also be undertaken by Wessex Archaeology's Health and Safety manager. The appointed project manager will be involved in all phases of the investigation through to its completion.
- 8.2.2 The analysis of any finds and environmental data will be undertaken by Wessex Archaeology core staff or external specialists, using Wessex Archaeology's standard methods, under the supervision of the departmental managers and the overall direction of the project manager. A complete list of specialists is provided in Appendix 1.
- 8.2.3 The following key staff are proposed:
  - Project Manager Emily Eastwood
  - Fieldwork Director Hannah Dabill
- 8.2.4 Wessex Archaeology reserves the right, where necessary due to unforeseen circumstances, to replace nominated personnel with alternative members of staff of comparable expertise and experience.

#### 8.3 Internal quality standards

- 8.3.1 Wessex Archaeology is an ISO 9001 accredited organisation (certificate number FS 606559), confirming the operation of a Quality Management System which complies with the requirements of ISO 9001:2015 covering professional archaeological and heritage advice and services. The award of the ISO 9001 certificate, independently audited by the British Standards Institution (BSI), demonstrates Wessex Archaeology's commitment to providing quality heritage services to our clients.
- 8.3.2 Wessex Archaeology assigns responsibility to individual managers for the successful completion of all aspects of a project including reporting. This includes monitoring progress and quality; controlling the budget from inception to completion; and all aspects of health and safety for the project. At all stages, the project manager will carefully assess and monitor performance of staff and adherence to objectives, timetables and budgets, while the manager's own performance is monitored by the team leader or regional director. The technical managers in the Graphics, Research, GeoServices and IT sections provide additional assistance and advice.
- 8.3.3 All staff are responsible for following Wessex Archaeology's quality standards but the overall adherence to and setting of these standards is the responsibility of the senior management team who, in consultation with the team leaders/regional directors, also ensure projects are adequately programmed and resourced within Wessex Archaeology's portfolio of project commitments.



#### 8.4 Health and safety

- 8.4.1 All works will be undertaken in accordance with the *Health and Safety at Work Act 1974*; the *Management of Health and Safety at Work Regulations 1999* and all other applicable health and safety legislation.
- 8.4.2 Wessex Archaeology is an ISO 45001 accredited organisation (certificate number OHS 744383), confirming the operation of an Occupational Health and Safety Management System that complies with the requirements of ISO 45001:2018. The award of the ISO 45001 certificate, independently audited by the British Standards Institution (BSI), demonstrates Wessex Archaeology's commitment to delivering effective risk management across all its activities.
- 8.4.3 Wessex Archaeology will, for all projects, produce one or more task and site-specific risk assessments and method statements (RAMS), which will ensure our staff can work safely on the site. A copy of the RAMS and our Health and Safety Policy can be provided to the client. All staff on our sites will be made fully familiar with the RAMS before work commences.
- 8.4.4 We aim to work collaboratively on health and safety with clients and, where separately appointed, with principal contractors. We expect clients to provide in good time all the necessary risk information about a site that may affect the archaeological work, such as locations of utilities or any known ground contamination. We will comply with the project specific Personal Protective Equipment (PPE) requirements, and any other specific additional requirements of the Principal Contractor.
- 8.4.5 All fieldwork staff are certified through the Construction Skills Certification Scheme (CSCS) and have undergone UKATA Asbestos Awareness Training. Staff who carry out specific tasks are suitably trained and competent to do so through training accredited by the Construction Industry Training Board (CITB), Institution of Occupational Safety & Health (IOSH) and the National Plant Operators Recognitions Scheme (NPORS).

#### 8.5 Insurance

8.5.1 Wessex Archaeology holds Employers Liability (£15,000,000), Public Liability (£15,000,000) and Professional Indemnity (£10,000,000) policies.



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#### **APPENDICES**

#### Appendix 1 Finds and environmental specialists

Name	Qualifications	Specialism
Sander Aerts	BA, MSc	Archaeoentomological remains, animal bone, marine shell and archaeobotanical remains (carbonised)
Phil Andrews	BSc; FSA; MCIfA	Slag and metal working debris
Ceridwen Boston	BSocSc; MA; MSc; DPhil	Osteoarchaeology; funerary archaeology
Elina Brook	BA; MA; PCIfA	Later prehistoric and Romano-British pottery, and small finds
Alex Brown	BA; MSc; PhD	Geoarchaeology, palynology
Kirsten Egging Dinwiddy	BA; MA; MCIfA	Human remains (inhumations)
Erica Gittins	BA; MA; PhD	Prehistoric flint
Phil Harding	PhD	Prehistoric flint, particularly Palaeolithic flint
Lorrain Higbee	BSc; MSc; MCIfA	Animal bone
Matt Leivers	BA; PhD; ACIfA	Prehistoric pottery and flint
Inés López-Dóriga	BA; MA; PhD	Archaeobotanical remains
Erica Macey-Bracken	BA; ACIfA	Post-medieval finds, ceramic building material and worked wood
Katie Marsden	BSc	Pottery from prehistoric to post-medieval/modern. Metalwork of all periods, including coins. Small and bulk finds including fired clay, ceramic building material, worked bone
Jacqueline McKinley	BTech; FSA	Human remains (inhumations and cremations)
Lorraine Mepham	BA; MCIfA	Pottery and other ceramic finds of all dates, concentrating on later prehistoric and post-Roman; ceramic building material; clay tobacco pipe; glass of Saxon or later date; small finds
Nicki Mulhall		Geoarchaeology and archaeobotanical remains
Richard Payne	BSC; MSc; MPhil	Geoarchaeology
Emma Robertson	BA; MSc	Human remains (inhumations)
Megan Scantlebury	BA, MSc	Archaeobotanical remains
Rachael Seager Smith	BA; MCIfA	Pottery with particular emphasis on Roman ceramics; and metalwork, fired clay, ceramic building material, stone, worked bone, shale, glass, and wall plaster
Andrew Shaw	BA; MA; PhD	Palaeolithic lithic artefacts and Pleistocene geoarchaeology
Amy Thorp	BA; MA	Pottery with emphasis on Roman ceramics, small finds
Ed Treasure	BSc; MRes; PhD	Archaeobotanical remains, including plant remains and charcoal/wood

#### **Appendix 2 Trial Trench Rationale**

Trench		Field	Figure	
No.	Reason for Trial Trench Location	No.	No.	Dimensions
1	Targeting geophysical anomaly (geology/linear trend + ferrous spike)	F1	2	50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend +	F1	2	
2	agriculture/drainage/linear trend)			50 m x 2 m
3	Targeting geophysical anomaly (agriculture/drainage/linear trend)	F1	2	50 m x 2 m
4	Targeting geophysical anomaly (former field boundary/linear trend)	F1	2	50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend + former field	F1	2	
5	boundary/linear trend)			50 m x 2 m
6	Targeting 'blank' area	F1	2	50 m x 2 m
7	Targeting geophysical anomaly (geology/discrete feature)	F1	2	50 m x 2 m
8	Targeting area without geophysics	F1	2	50 m x 2 m
9	Targeting area without geophysics	F1	2	50 m x 2 m
10	Targeting geophysical anomaly (geology/linear trend)	F1	2	50 m x 2 m
11	Targeting geophysical anomaly (geology/linear trend)	F1	2	50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend,	F1	2	
12	geology/discrete feature + agriculture/drainage/linear trend)			50 m x 2 m
13	Targeting 'blank' area	F1	2	50 m x 2 m
14	Targeting geophysical anomaly (geology/discrete feature)	F1	2	50 m x 2 m
15	Targeting geophysical anomaly (geology/linear trend)	F1	2	50 m x 2 m
16	Targeting ferrous disturbance	F1	2	50 m x 2 m
17	Targeting area without geophysics	F2	2	50 m x 2 m
18	Targeting area without geophysics	F2	2	50 m x 2 m
19	Targeting area without geophysics	F2	2	50 m x 2 m
20	Targeting area without geophysics	F2	2	50 m x 2 m
21	Targeting area without geophysics	F2	2	50 m x 2 m
22	Targeting area without geophysics	F2	2	50 m x 2 m
23	Targeting area without geophysics	F2	2	50 m x 2 m
24	Targeting area without geophysics	F2	2	50 m x 2 m
25	Targeting area without geophysics	F2	2	50 m x 2 m
26	Targeting area without geophysics	F2	2	50 m x 2 m
27	Targeting area without geophysics	F2	2	50 m x 2 m
28	Targeting area without geophysics	F2	2	50 m x 2 m
29	Targeting area without geophysics	F2	2	50 m x 2 m
30	Targeting area without geophysics	F2	2	50 m x 2 m
31	Targeting area without geophysics	F2	2	50 m x 2 m
32	Targeting area without geophysics	F2	2	50 m x 2 m
33	Targeting area without geophysics	F2	2	50 m x 2 m
34	Targeting area without geophysics	F3	2	50 m x 2 m







Trench		Field	Figure	
No.	Reason for Trial Trench Location	No.	No.	Dimensions
35	Targeting geophysical anomaly (geology/discrete feature)	F3	2	50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend, roddon	F3	2	
36	tributary + agriculture/drainage/linear trend)			50 m x 2 m
37	Targeting 'blank' area	F3	2	50 m x 2 m
	Targeting geophysical anomaly (geology/discrete feature +	F3	2	
38	agriculture/drainage/linear trend)			50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend +	F3	2	
39	geology/discrete feature)			50 m x 2 m
	Targeting geophysical anomaly (geology/discrete feature +	F3	2	
40	agriculture/drainage/linear trend)			50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend + roddon	F3	2	
41	tributary)			50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend +	F4	3	
42	geology/discrete feature)			50 m x 2 m
43	Targeting 'blank' area	F4	3	50 m x 2 m
44	Targeting ferrous spike	F4	3	50 m x 2 m
	Targeting geophysical anomaly (roddon tributary +	F4	3	
45	agriculture/drainage/linear trend)			50 m x 2 m
46	Targeting geophysical anomaly (geology/linear trend)	F4	3	50 m x 2 m
	Targeting geophysical anomaly (roddon tributary,	F4	3	
47	agriculture/drainage/linear trend + ferrous spike)			50 m x 2 m
48	Targeting geophysical anomaly (roddon tributary)	F4	3	50 m x 2 m
	Targeting geophysical anomaly (roddon tributary +	F4	3	
49	agriculture/drainage/linear trend)		_	50 m x 2 m
50	Targeting geophysical anomaly (geology/linear trend)	F4	3	50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend +	F4	3	
51	geology/discrete feature)			50 m x 2 m
52	Targeting geophysical anomaly (agriculture/drainage/linear trend)	F4	3	50 m x 2 m
53	Targeting geophysical anomaly (agriculture/drainage/linear trend)	F4	3	50 m x 2 m
54	Targeting 'blank' area	F4	3	50 m x 2 m
55	Targeting 'blank' area	F4	3	50 m x 2 m
56	Targeting geophysical anomaly (agriculture/drainage/linear trend)	F4	3	50 m x 2 m
57	Targeting geophysical anomaly (agriculture/drainage/linear trend)	F4	3	50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend,	F4	3	
58	geology/discrete feature + agriculture/drainage/linear trend)			50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend +	F4	3	
59	geology/discrete feature)			50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend +	F4	3	
60	geology/discrete feature)		_	50 m x 2 m
61	Targeting geophysical anomaly (agriculture/drainage/linear trend)	F5	3	50 m x 2 m







Trench		Field	Figure	
No.	Reason for Trial Trench Location	No.	No.	Dimensions
7707	Targeting geophysical anomaly (geology/linear trend +	F5	3	
62	agriculture/drainage/linear trend)			50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend +	F5	3	
63	geology/discrete feature)			50 m x 2 m
64	Targeting 'blank' area	F5	3	50 m x 2 m
65	Targeting geophysical anomaly (geology/linear trend)	F5	3	50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend +	F5	3	
66	geology/discrete feature)			50 m x 2 m
	Targeting geophysical anomaly (agriculture/drainage/linear trend +	F5	3	
67	ferrous spike)			50 m x 2 m
68	Targeting geophysical anomaly (geology/linear trend)	F5	3	50 m x 2 m
69	Targeting geophysical anomaly (geology/linear trend)	F5	3	50 m x 2 m
70	Targeting geophysical anomaly (geology/linear trend +	F5	3	50 0
70	agriculture/drainage/linear trend)			50 m x 2 m
71	Targeting 'blank' area	F5	3	50 m x 2 m
72	Targeting geophysical anomaly (geology/linear trend)	F6	4	50 m x 2 m
72	Targeting geophysical anomaly (geology/linear trend + former field	F6	4	50 m v 2 m
73	boundary)  Togething goodby/goodby/(goodby//linear trend)	F6	4	50 m x 2 m 50 m x 2 m
74	Targeting geophysical anomaly (geology/linear trend)	F6	4	
75	Targeting 'blank' area  Targeting goophysical anomaly (goology/linear trand)	F6	4	50 m x 2 m
76	Targeting geophysical anomaly (geology/linear trend)	F6	4	
77	Targeting geophysical anomaly (geology/linear trend)	F6	4	50 m x 2 m
78	Targeting geophysical anomaly (geology/linear trend)  Targeting geophysical anomaly (geology/linear trend +	F6	4	50 m x 2 m
79	agriculture/drainage/linear trend)	го	4	50 m x 2 m
80	Targeting geophysical anomaly (geology/linear trend + ferrous spike)	F6	4	50 m x 2 m
81	Targeting ferrous spike	F6	4	50 m x 2 m
82	Targeting 'blank' area	F6	4	50 m x 2 m
02	Targeting geophysical anomaly (agriculture/drainage/linear trend +	F6	4	30 III X 2 III
83	ferrous spike)		'	50 m x 2 m
84	Targeting ferrous spike	F6	4	50 m x 2 m
85	Targeting 'blank' area	F6	4	50 m x 2 m
86	Targeting 'blank' area	F6	4	50 m x 2 m
87	Targeting geophysical anomaly (geology/linear trend)	F6	4	50 m x 2 m
88	Targeting geophysical anomaly (geology/linear trend + ferrous spike)	F6	4	50 m x 2 m
89	Targeting geophysical anomaly (geology/linear trend)	F6	4	50 m x 2 m
90	Targeting geophysical anomaly (geology/linear trend)	F6	4	50 m x 2 m
91	Targeting geophysical anomaly (geology/linear trend)	F6	4	50 m x 2 m
92	Targeting geophysical anomaly (geology/linear trend)	F6	4	50 m x 2 m







Trench		Field	Figure	
No.	Reason for Trial Trench Location	No.	No.	Dimensions
1101	Targeting geophysical anomaly (geology/linear trend + roddon	F6	4	Difference
93	tributary)	'	·	50 m x 2 m
94	Targeting geophysical anomaly (geology/linear trend)	F6	4	50 m x 2 m
95	Targeting geophysical anomaly (geology/linear trend + ferrous spike)	F6	4	50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend, roddon	F6	4	
96	tributary + ferrous spike)			50 m x 2 m
	Targeting geophysical anomaly (agriculture/drainage/linear trend +	F7	5	
97	ferrous spike)			50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend + roddon	F7	5	
98	tributary)			50 m x 2 m
	Targeting geophysical anomaly (agriculture/drainage/linear trend +	F7	5	
99	ferrous spike)			50 m x 2 m
	Targeting geophysical anomaly (roddon tributary +	F7	5	
100	agriculture/drainage/linear trend)			50 m x 2 m
101	Targeting geophysical anomaly (agriculture/drainage/linear trend)	F7	5	50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend +	F7	5	
102	agriculture/drainage/linear trend)			50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend +	F7	5	
103	agriculture/drainage/linear trend)			50 m x 2 m
104	Targeting 'blank' area	F7	5	50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend +	F7	5	
105	agriculture/drainage/linear trend)			50 m x 2 m
106	Targeting geophysical anomaly (agriculture/drainage/linear trend)	F7	5	50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend +	F7	5	
107	agriculture/drainage/linear trend)			50 m x 2 m
108	Targeting 'blank' area	F7	5	50 m x 2 m
109	Targeting geophysical anomaly (geology/linear trend)	F7	5	50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend +	F7	5	
110	agriculture/drainage/linear trend)			50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend +	F7	5	
111	agriculture/drainage/linear trend)			50 m x 2 m
112	Targeting geophysical anomaly (agriculture/drainage/linear trend)	F7	5	50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend,	F7	5	
113	geology/discrete feature + agriculture/drainage/linear trend)		_	50 m x 2 m
114	Targeting 'blank' area	F7	5	50 m x 2 m
115	Targeting 'blank' area	F7	5	50 m x 2 m
	Targeting geophysical anomaly (roddon tributary +	F7	5	
116	agriculture/drainage/linear trend)			50 m x 2 m
	Targeting geophysical anomaly (roddon tributary +	F7	5	
117	agriculture/drainage/linear trend)			50 m x 2 m







Trench		Field	Figure	
No.	Reason for Trial Trench Location	No.	No.	Dimensions
	Targeting geophysical anomaly (geology/linear trend +	F7	5	
118	agriculture/drainage/linear trend)			50 m x 2 m
	Targeting geophysical anomaly (roddon tributary +	F7	5	
119	agriculture/drainage/linear trend)			50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend, roddon	F7	5	
120	tributary + agriculture/drainage/linear trend)			50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend, roddon	F8	5	
121	tributary + linear feature possibly archaeology)			50 m x 2 m
422	Targeting geophysical anomaly (geology/linear trend + linear feature	F8	5	50 0
122	possibly archaeology)	50	-	50 m x 2 m
123	Targeting geophysical anomaly (linear feature possibly archaeology)	F8	5	50 m x 2 m
424	Targeting geophysical anomaly (linear feature possibly archaeology +	F8	5	50 2
124	roddon tributary)	F0	-	50 m x 2 m
125	Targeting geophysical anomaly (linear feature possibly archaeology +	F8	5	F0 m v 3 m
125	roddon tributary)  Targeting geophysical anomaly (agriculture/drainage/linear trend +	F8	5	50 m x 2 m
126	former field boundary)	го	3	50 m x 2 m
120	Targeting geophysical anomaly (linear feature possibly archaeology +	F8	5	30 111 X 2 111
127	roddon tributary)	10	3	50 m x 2 m
127	Targeting geophysical anomaly (linear feature possibly archaeology,	F8	5	30 111 X 2 111
128	former field boundary + ferrous spike)			50 m x 2 m
	Targeting geophysical anomaly (roddon tributary + former field	F8	5	
129	boundary)			50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend,	F8	5	
	agriculture/drainage/linear trend + linear feature possibly			
130	archaeology)			50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend +	F8	5	
131	agriculture/drainage/linear trend)			50 m x 2 m
132	Targeting geophysical anomaly (geology/linear trend + ferrous spike)	F8	5	50 m x 2 m
133	Targeting 'blank' area	F8	5	50 m x 2 m
134	Targeting geophysical anomaly (geology/linear trend + ferrous spike)	F8	5	50 m x 2 m
135	Targeting geophysical anomaly (geology/linear trend)	F8	5	50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend + roddon	F8	5	
136	tributary)			50 m x 2 m
137	Targeting geophysical anomaly (geology/linear trend)	F8	5	50 m x 2 m
138	Targeting geophysical anomaly (geology/linear trend)	F8	5	50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend +	F8	5	
139	agriculture/drainage/linear trend)			50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend,	F8	5	
140	agriculture/drainage/linear trend + ferrous spike)			50 m x 2 m
141	Targeting 'blank' area	F9	6	50 m x 2 m







Trench		Field	Figure	
No.	Reason for Trial Trench Location	No.	No.	Dimensions
142	Targeting geophysical anomaly (geology/linear trend)	F9	6	50 m x 2 m
143	Targeting geophysical anomaly (geology/linear trend)	F9	6	50 m x 2 m
144	Targeting geophysical anomaly (geology/linear trend)	F9	6	50 m x 2 m
145	Targeting geophysical anomaly (geology/linear trend)	F9	6	50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend + roddon	F9	6	
146	tributary)			50 m x 2 m
147	Targeting geophysical anomaly (geology/linear trend)	F9	6	50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend + roddon	F9	6	
148	tributary)			50 m x 2 m
149	Targeting geophysical anomaly (geology/linear trend)	F9	6	50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend + ferrous	F9	6	
150	disturbance)			50 m x 2 m
4.54	Targeting geophysical anomaly (geology/linear trend +	F9	6	
151	agriculture/drainage/linear trend)	50		50 m x 2 m
152	Targeting geophysical anomaly (geology/linear trend + roddon	F9	6	FO may 2 may
152	tributary)	F9	6	50 m x 2 m
153	Targeting geophysical anomaly (geology/linear trend)	F10	6	50 m x 2 m
154	Targeting geophysical anomaly (geology/discrete features)			50 m x 2 m
155	Targeting geophysical anomaly (geology/linear trend + roddon tributary)	F10	6	50 m x 2 m
156	Targeting geophysical anomaly (geology/linear trend + ferrous spike)	F10	6	50 m x 2 m
130	Targeting geophysical anomaly (geology/discrete features + ferrous	F10	6	30 111 X 2 111
157	spike)	110		50 m x 2 m
158	Targeting geophysical anomaly (geology/discrete features)	F10	6	50 m x 2 m
159	Targeting geophysical anomaly (geology/discrete features)	F10	6	50 m x 2 m
160	Targeting geophysical anomaly (geology/discrete features)	F10	6	50 m x 2 m
161	Targeting 'blank' area	F10	6	50 m x 2 m
162	Targeting geophysical anomaly (geology/discrete features)	F10	6	50 m x 2 m
163	Targeting geophysical anomaly (geology/discrete features)	F10	6	50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend +	F10	6	
164	geology/discrete features)			50 m x 2 m
165	Targeting 'blank' area	F10	6	50 m x 2 m
166	Targeting geophysical anomaly (geology/linear trend)	F10	6	50 m x 2 m
167	Targeting geophysical anomaly (geology/linear trend)	F10	6	50 m x 2 m
168	Targeting geophysical anomaly (agriculture/drainage/linear trend)	F10	6	50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend +	F10	6	
169	agriculture/drainage/linear trend)			50 m x 2 m
170	Targeting geophysical anomaly (geology/linear trend)	F10	6	50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend +	F10	6	
171	geology/discrete features)			50 m x 2 m







Trench		Field	Figure	
No.	Reason for Trial Trench Location	No.	No.	Dimensions
172	Targeting geophysical anomaly (geology/discrete features)	F10	6	50 m x 2 m
173	Targeting 'blank' area	F10	6	50 m x 2 m
174	Targeting 'blank' area	F11	7	50 m x 2 m
175	Targeting geophysical anomaly (geology/linear trend)	F11	7	50 m x 2 m
176	Targeting geophysical anomaly (geology/linear trend)	F11	7	50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend +	F11	7	
177	geology/discrete features)			50 m x 2 m
178	Targeting geophysical anomaly (geology/linear trend)	F11	7	50 m x 2 m
179	Targeting geophysical anomaly (geology/linear trend)	F11	7	50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend +	F11	7	
180	agriculture/drainage/linear trend)			50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend +	F11	7	
181	agriculture/drainage/linear trend)	1	_	50 m x 2 m
182	Targeting geophysical anomaly (geology/linear trend)	F11	7	50 m x 2 m
402	Targeting geophysical anomaly (geology/linear trend +	F11	7	50 2
183	geology/discrete features)	F4.2	7	50 m x 2 m
184	Targeting area without geophysics	F12	7	50 m x 2 m
185	Targeting area without geophysics	F12	7	50 m x 2 m
186	Targeting area without geophysics	F12	7	50 m x 2 m
187	Targeting area without geophysics	F12	7	50 m x 2 m
188	Targeting geophysical anomaly (geology/discrete features)	F13	7	50 m x 2 m
189	Targeting 'blank' area	F13	7	50 m x 2 m
190	Targeting geophysical anomaly (geology/linear trend)	F13	7	50 m x 2 m
191	Targeting geophysical anomaly (geology/discrete features)	F13	7	50 m x 2 m
192	Targeting 'blank' area	F14	8	50 m x 2 m
193	Targeting 'blank' area	F14	8	50 m x 2 m
194	Targeting geophysical anomaly (geology/linear trend)	F14	8	50 m x 2 m
195	Targeting geophysical anomaly (geology/linear trend)	F14	8	50 m x 2 m
196	Targeting 'blank' area	F14	8	50 m x 2 m
197	Targeting 'blank' area	F15	8	50 m x 2 m
198	Targeting 'blank' area	F15	8	50 m x 2 m
	Targeting geophysical anomaly (geology/discrete features + formed	F15	8	
199	field boundary/linear trend)	1		50 m x 2 m
200	Targeting 'blank' area	F15	8	50 m x 2 m
201	Targeting 'blank' area	F15	8	50 m x 2 m
	Targeting geophysical anomaly (geology/linear trend +	F15	8	
202	geology/discrete features)	545		50 m x 2 m
203	Targeting geophysical anomaly (geology/discrete features)	F15	8	50 m x 2 m







Trench		Field	Figure	
No.	Reason for Trial Trench Location	No.	No.	Dimensions
	Targeting geophysical anomaly (geology/discrete features + ferrous	F16	9	
204	spike)			50 m x 2 m
205	Targeting geophysical anomaly (geology/discrete features)	F16	9	50 m x 2 m
206	Targeting 'blank' area	F16	9	50 m x 2 m
207	Targeting geophysical anomaly (geology/discrete features + ferrous disturbance)	F16	9	50 m x 2 m
208	Targeting ferrous disturbance	F16	9	50 m x 2 m
209	Targeting 'blank' area	F17	9	50 m x 2 m
210	Targeting area without geophysics	F18	9	50 m x 2 m
211	Targeting area without geophysics	F18	9	50 m x 2 m
212	Targeting area without geophysics	F18	9	50 m x 2 m
213	Targeting area without geophysics	F18	9	50 m x 2 m
214	Targeting area without geophysics	F18	9	50 m x 2 m
215	Targeting area without geophysics	F18	9	50 m x 2 m
216	Targeting area without geophysics	F18	9	50 m x 2 m
217	Targeting area without geophysics	F20	10	50 m x 2 m
218	Targeting area without geophysics	F20	10	50 m x 2 m
219	Targeting area without geophysics	F20	10	50 m x 2 m
220	Targeting area without geophysics	F20	10	50 m x 2 m
221	Targeting area without geophysics	F21	10	50 m x 2 m
222	Targeting area without geophysics	F21	10	50 m x 2 m
223	Targeting area without geophysics	F21	10	50 m x 2 m
224	Targeting geophysical anomaly (agriculture/drainage/linear trend)	F21	10	50 m x 2 m
225	Targeting area without geophysics	F22	10	50 m x 2 m
226	Targeting area without geophysics	F22	10	50 m x 2 m
227	Targeting area without geophysics	F22	10	50 m x 2 m
228	Targeting area without geophysics	F19	10	50 m x 2 m
229	Targeting area without geophysics	F19	10	50 m x 2 m
230	Targeting area without geophysics	F19	10	50 m x 2 m

























