

Archaeological Field Evaluation

Raw Energy Ltd

Wormslade Farm

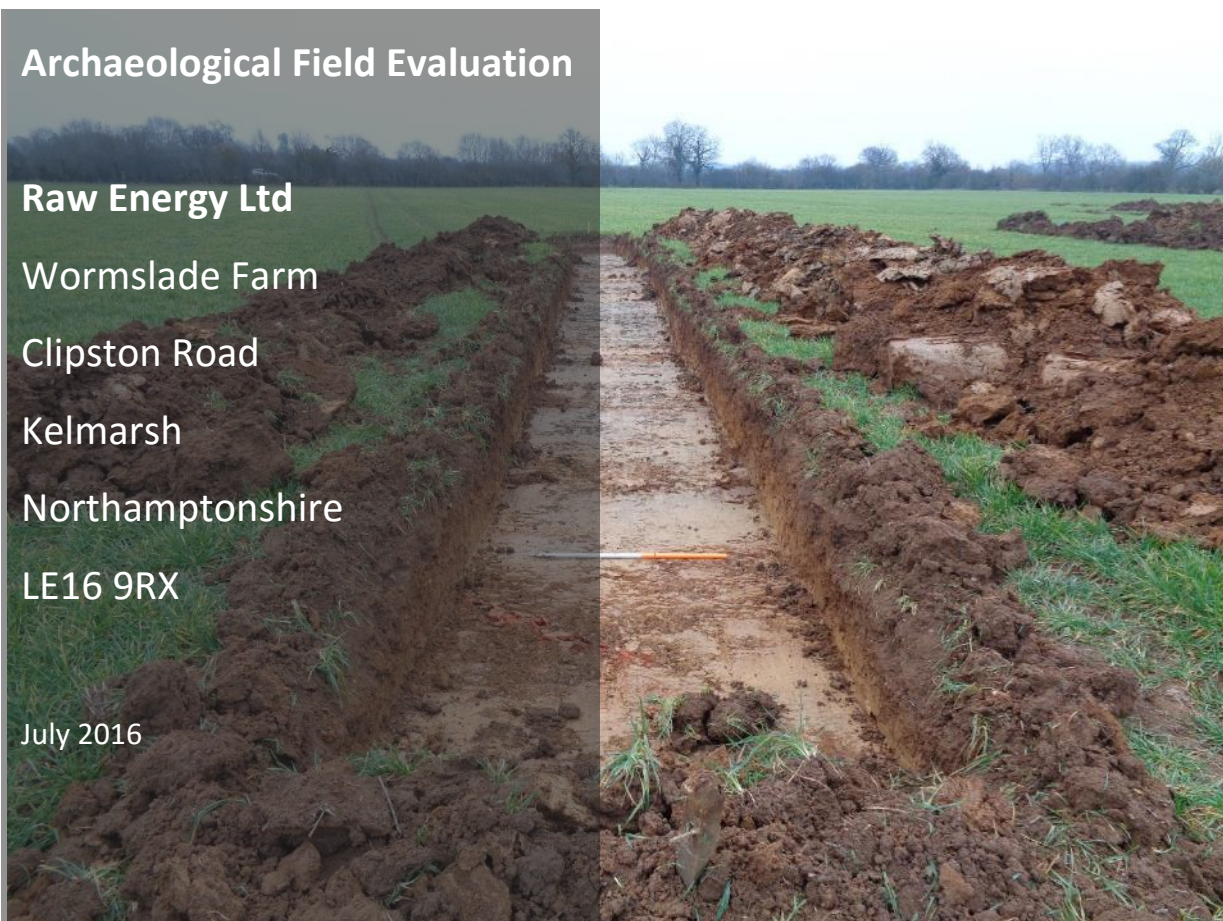
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LE16 9RX

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1 Non-Technical Summary

Border Archaeology Ltd (BAL) was instructed by Raw Energy Ltd to undertake a programme of Geophysical Survey and Archaeological Field Evaluation in respect of the proposed development of land at Wormslade Farm Clipston Road Kelmash Northamptonshire LE16 9RX (NGR: SP 73510 81650) (fig. 1).

Twenty-three trenches, each of 30 × 1.8m, were opened, together with two smaller trenches (20 × 1.8m & 10 × 1.8m), representing approximately 4% of the development area (nominally 4ha). Trenches were located both to sample ground anomalies detected by the geophysical work and to test areas apparently devoid of any geophysical response.

A number of amorphous features representing areas of bioturbation and a series of modern land drains were identified in several trenches and these, together with the various changes in the natural geology noted throughout the evaluation area, may account for some of the potential features identified in the geophysical survey results.

Two narrow, shallow linear features were identified in Trenches 023 and 025 which were, based on their form and depth, interpreted as plough scars; the features were aligned with the remnants of ridge-and-furrow cultivation recorded on the geophysical survey.

A modern agricultural waste pit or drainage feature identified in Trench 018 represented an area of disturbance which was identified in the geophysical survey results. The feature contained 20th-century agricultural waste and building material, including barbed-wire fencing, metal agricultural equipment, bricks and glass and appears to have been backfilled during the recent past.

A small limestone boulder was identified in Trench 010 and, in view of the fact that the evaluation area as a whole was notably devoid of stones, the size and relative isolation of this boulder would appear to suggest a glacial 'erratic' (a boulder transported and deposited by a glacier, which differs from the local bedrock). Its presence may account for the anomaly identified on the geophysical survey at this location.

It can be confirmed that no evidence of significant archaeological features, deposits or finds was revealed during the course of the evaluation.

The natural substrate was encountered at a depth of between 0.36m-0.95m below ground level.

2 Introduction

Border Archaeology Ltd (BAL) was instructed by Raw Energy Ltd to carry out a programme of work comprising Geophysical Survey (GS) followed by Archaeological Field Evaluation (AFE) in respect of the proposed development of land at Wormslade Farm Clipston Road Kelmars Northamptonshire LE16 9RX (NGR: SP 73510 81650) (*fig. 1*).

In summary, the proposed development comprises the following elements:

- Two digester tanks each 31.31m diameter by 8m high and associated feeders, mixing units and intake tank
- Silage clamps each 119m × 20m × 5.5m and concrete apron 80m × 15m
- Bagged digestate stores set into earth banked lagoons (each 50m × 25m)
- Black water bagged system set into earth banked lagoons, and one white water attenuation pond
- Technical building to house the feeders and CHP Unit 37.2m × 14.28m × 4.4m
- Ancillary plant and equipment
- Office/welfare building
- New farm entrance

Trench locations were informed by the results of the initial magnetometer survey, which showed that the site contains a number of weakly positive linear anomalies, some with curvilinear or rectilinear elements. However, these were widespread, weak, short, fragmented and incoherent and their origin could not be determined. A number of pit-like responses were noted, with a concentration in the SE corner of the site, but, as with the linear anomalies, it was not clear if their origin was natural or anthropogenic. Evidence for former ridge-and-furrow cultivation, a field boundary, possible land drains and an infilled pond was also located. Based upon these findings, a proposed trench layout was approved by Elizabeth Mordue Assistant Archaeological Advisor Northamptonshire County Council in March 2016 (*fig. 2*).

3 Site Location

The evaluation trenches were located on land adjacent to the A508, c.2.9km to the E of Clipston. The nominal overall site is approximately 4.2ha in area and slopes gently to the N.

The site is bounded to the N by Clipston Road, to the E by the A508 and to the S and W by agricultural fields. The grid reference of the site (taken approximately from its centre) is NGR: SP 73510 81650.

3.1 Soils and Geology

The site is characterised by typical stagnogleys of the WICKHAM 2 series (711f), composed of slowly permeable seasonal waterlogged fine loamy soils over clayey, fine silty soils, which in turn are over clayey soils. Small areas of slowly permeable calcareous soils are present on the steeper slopes. This series is described as drift over Jurassic and Cretaceous clay or mudstone (SSEW 1983).

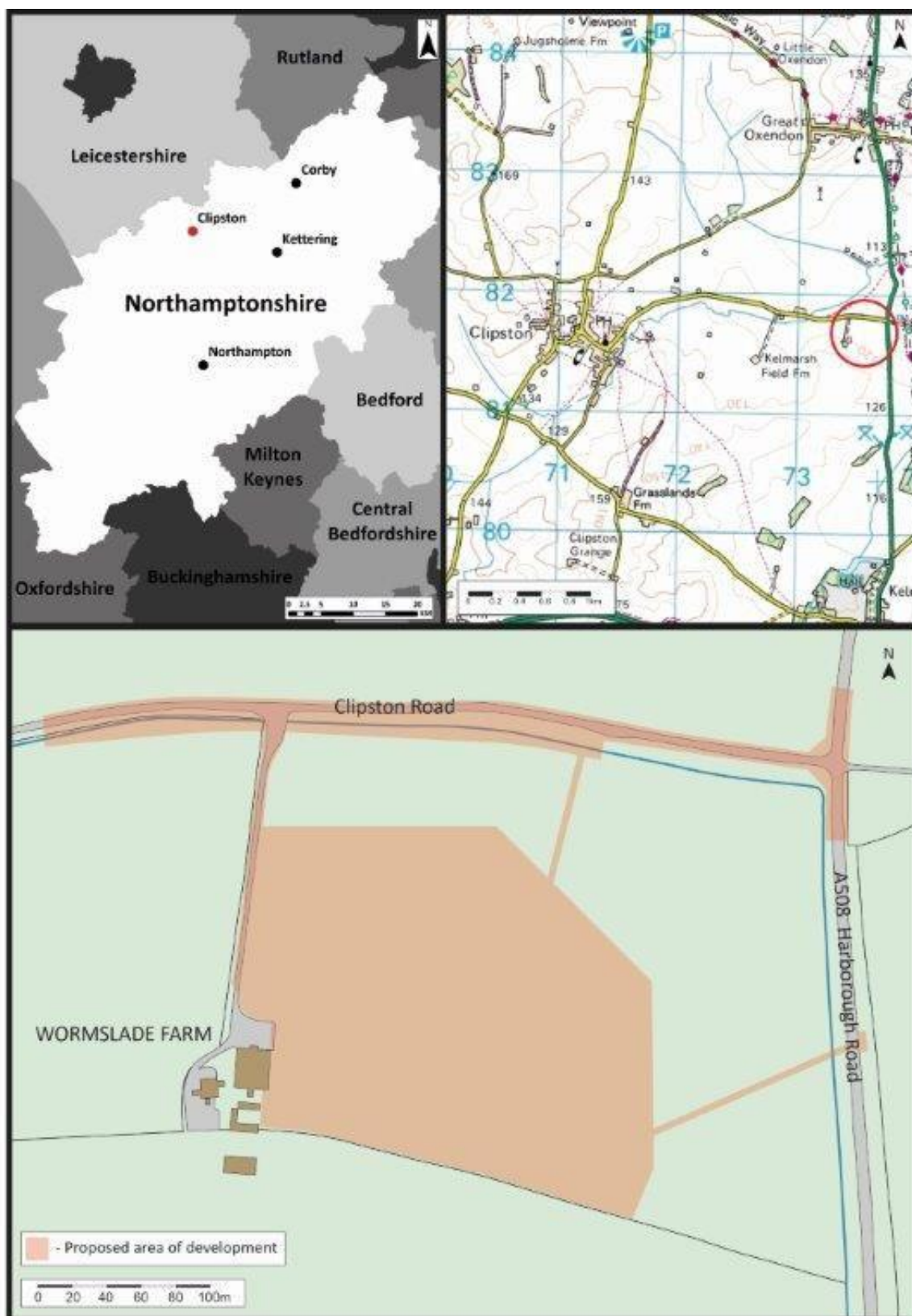


Fig. 1: Site location

4 Aims and Objectives

The overall aim of the programme of archaeological evaluation was to determine, utilising the results of the prior programme of magnetometer survey and as far as was reasonably possible, the location, extent, date, character, condition, significance and quality of any surviving archaeological remains likely to be threatened by the proposed development, and to produce an appropriate mitigation strategy, if required, for further archaeological investigation.

5 Methodology

The programme of archaeological work was carried out in accordance with the Chartered Institute for Archaeologists' (CIfA) *Standard and guidance for archaeological field evaluation* (CIfA 2014a), *Standard and guidance for archaeological geophysical survey* (CIfA 2014b), *Geophysical Survey in Archaeological Field Evaluation* (David, Linford & Linford 2008) and *Standard and Guidance for the collection, documentation, conservation and research of archaeological materials* (CIfA 2014c). BAL adheres to the CIfA *Code of Conduct* (2014d) and to project management advice set out in *Management of Research Projects in the Historic Environment: The MoRPHE Project Managers' Guide* (Lee 2015).

Trench positions were identified using GIS and laid out using Survey-Grade GPS. Trenching was excavated to the first significant archaeological horizon or natural (whichever was the shallower) using a 360° tracked machine equipped with a 1.8m-wide toothless bucket.

Approximately 4% of the development area was subject to evaluation, this representing 23 trenches measuring 30 × 1.8m and two smaller trenches, one of 20 × 1.8m and the second of 10 × 1.8m. The trenches were positioned so as to sample the anomalies recorded in the geophysical survey results and to test areas apparently devoid of any geophysical response (*fig. 2*).

5.1 Recording

Full written, drawn and photographic records were made in accordance with BAL's *Archaeological Field Recording Manual* (2014). Records included the following:

- A completed standard context record sheet for each stratigraphic unit examined
- A graphic record based upon Survey-Grade GPS data in combination with hand-drawn plans and sections at appropriate scales to show the extent of the area, the extent of all stratigraphic units and appropriate detail within stratigraphic units. Overall site plans were based on Survey-Grade GPS data (scale 1:100). All hand-drawn records were produced using gridded, archive-stable polyester film. These were numbered and listed in a drawing register, with drawing numbers cross-referenced to written site records.

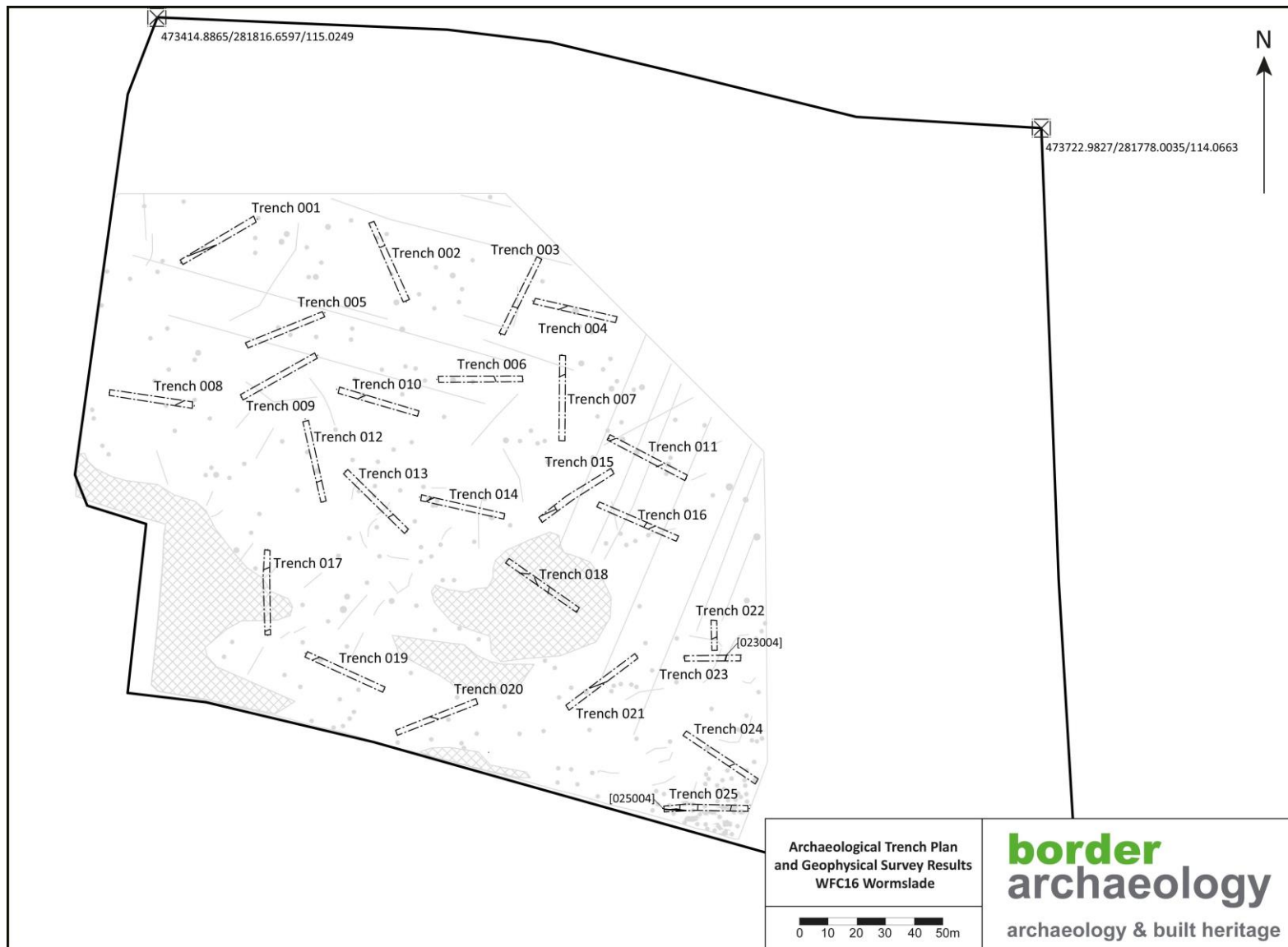


Fig. 2: Plan of trench layout in relation to the abstraction and interpretation plan showing magnetometer anomalies

- A high-resolution (16MPX) digital photographic record of all stratigraphic units, archaeological features and appropriate groups of features and structures, in addition to a representative record of the progress of the archaeological work. All photographic records have been indexed and cross-referenced to written site records. Details of subject and direction of view are maintained in a photographic register, indexed by frame number

6 Results

Of the 25 trenches excavated, only Trenches 023 and 025 contained potential archaeological remains. Table 1 provides descriptions of the remaining 23 trenches. Additionally, Trench 010 is mentioned here as it contained a small limestone boulder interpreted as a glacial erratic.

6.1 Trench 023

Trench 023 (*Plate 1; figs 2, 3, 5 & 6*) was orientated in an E-W direction and was excavated to an average depth of 0.45m. Excavation revealed a single linear feature [023004] that had been previously identified in the geophysical survey results. This feature ran NNE-SSW, continuing beyond the trench limits and revealed a moderate break of slope at the top, with moderately sloping sides breaking gradually to a slightly undulating base (*Plates 1, 51 & 52; figs. 3, 5 & 6*). The feature measured 0.23m wide and was 0.09m deep and contained a single fill (023005) of friable, light brownish-grey silty clay.



Plate 1: View NW showing ditch [023004]

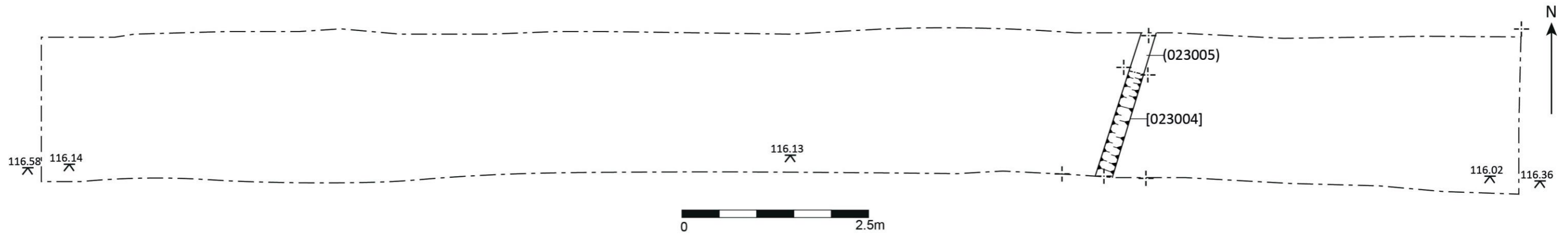


Fig. 3: Plan of Trench 023

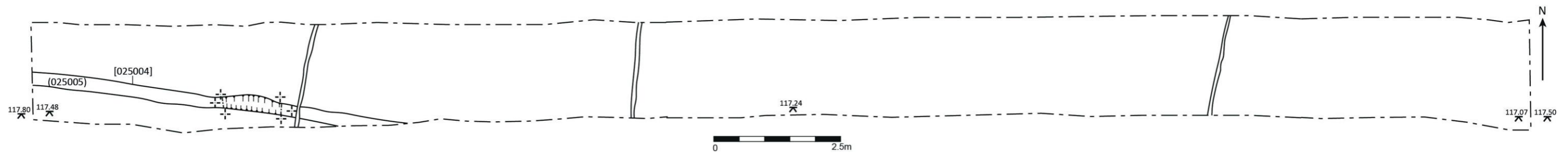


Fig. 4: Plan of Trench 025

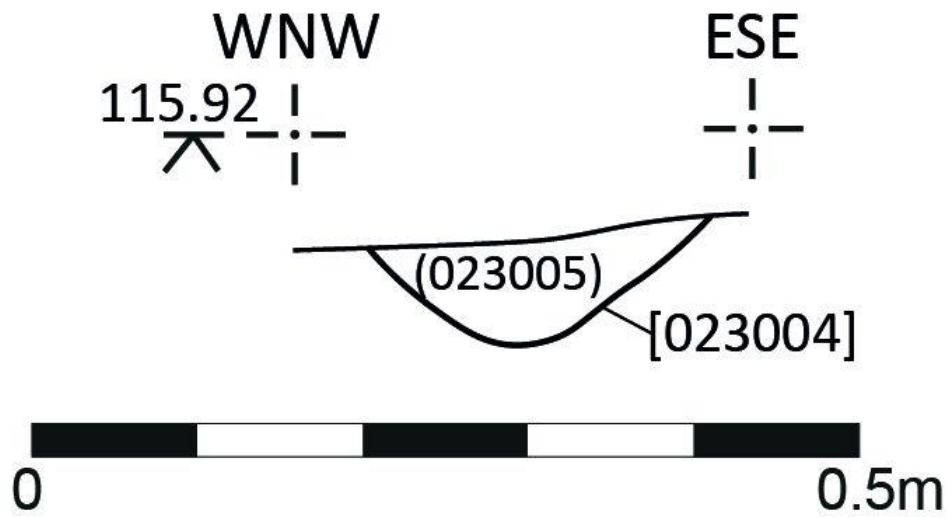


Fig. 5: ENE-facing section through ditch [023004]

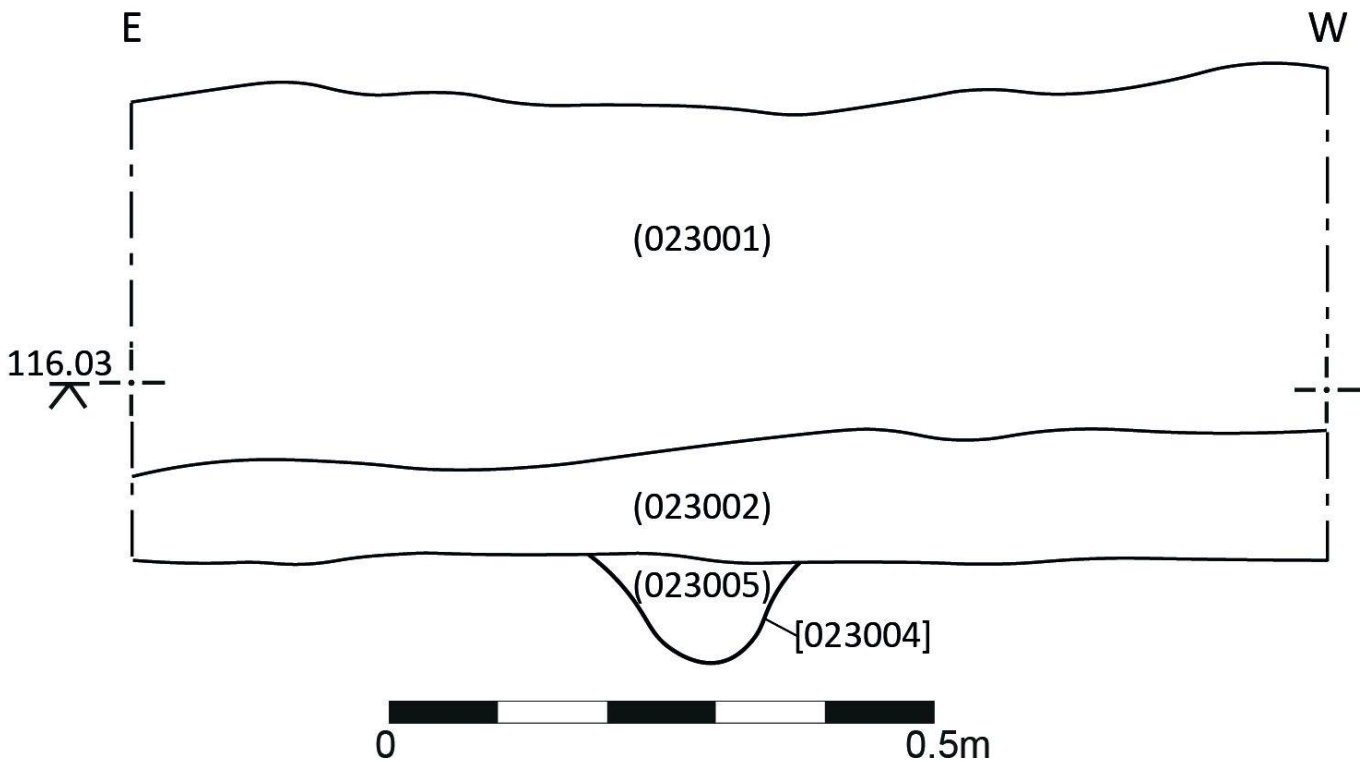


Fig. 6: N-facing section of Trench [023] showing continuation of ditch [023004]

6.2 Trench 025

Trench 025 (*Plate 2; figs. 2, 4, 7-10*) had an average depth of 0.63m and was orientated E-W. It also contained the remains of a single linear feature [025004], which was oriented WNW-ESE across the SW extent of the trench; this had moderate breaks of slope at the top, with moderately sloping sides breaking gradually to an undulating base (*Plates 2, 55 & 56; figs. 4, 7-10*). The feature measured 0.35m wide and 0.11m deep and also extended beyond the trench limits. The fill (025005) was composed of friable, mid-brownish-grey silty clay.

No artefactual evidence was recovered from the evaluation area.



Plate 2: View S showing linear feature [025004]

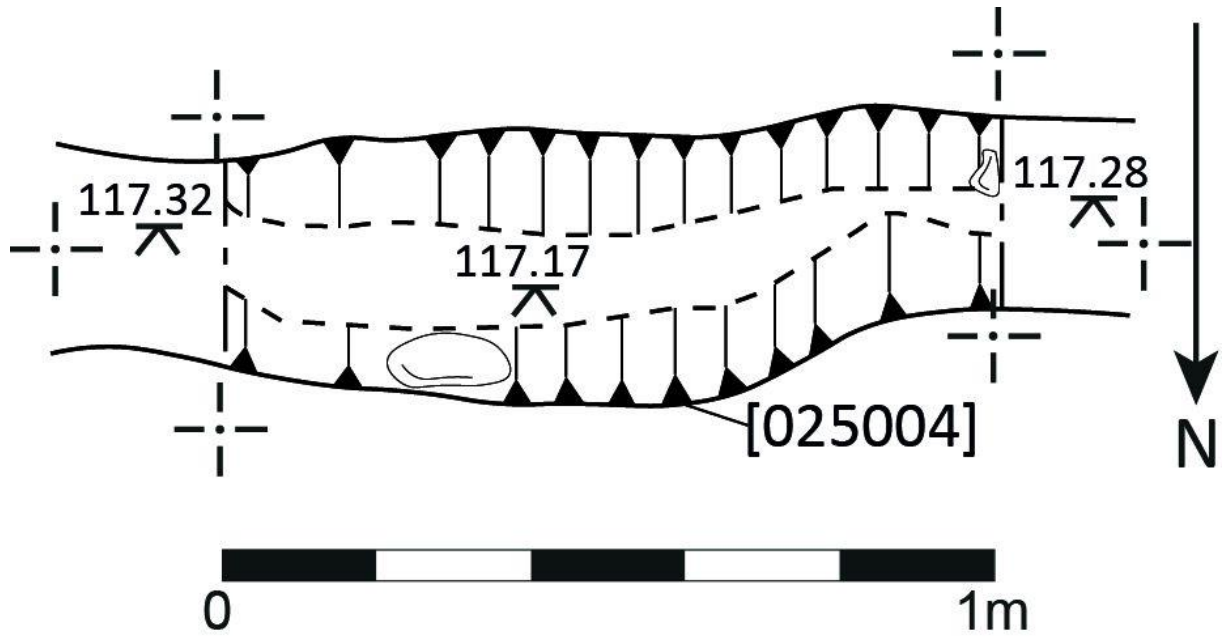


Fig. 7: Plan of ditch [025004]



Fig. 8: W-facing section through ditch [025004]

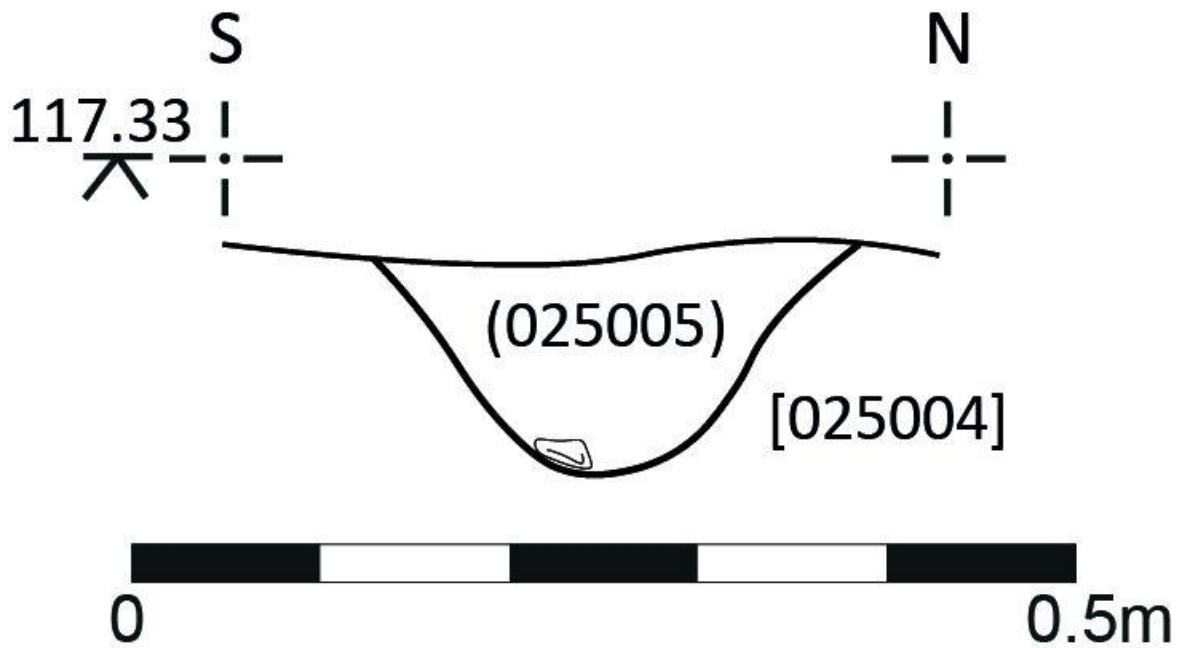


Fig. 9: E-facing section through ditch [025004]

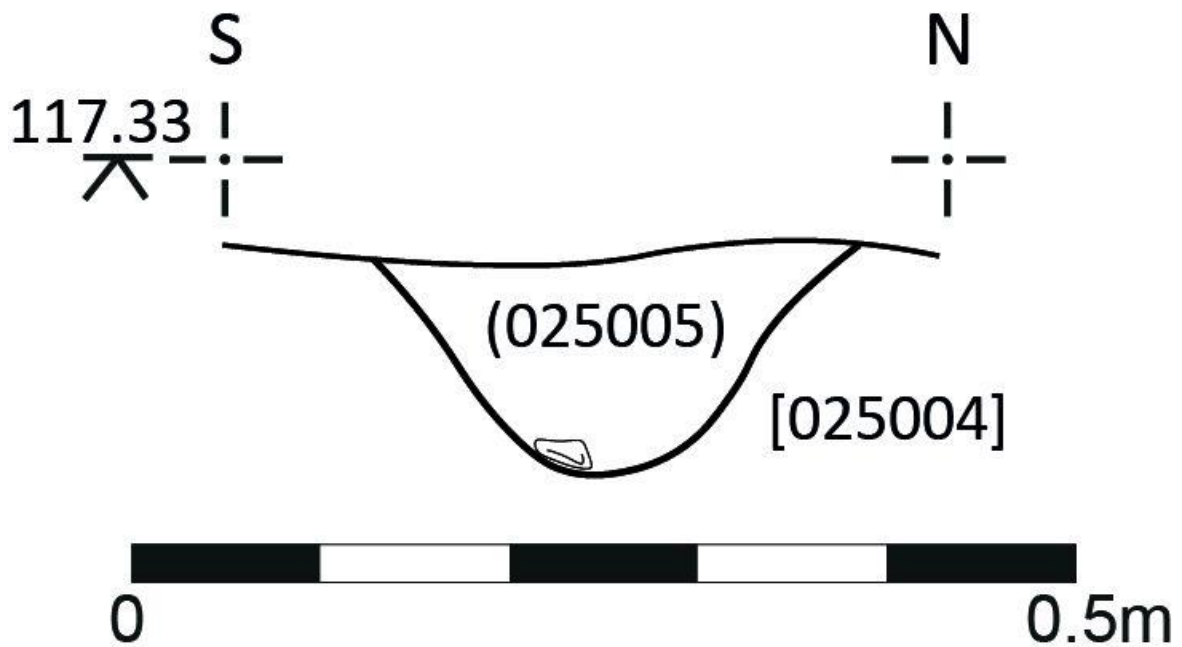


Fig. 10: E-facing section showing continuation of ditch [025004]

6.3 Trench 010

It should additionally be noted that a small limestone boulder was identified in Trench 10 within the NNE baulk of the trench (*Plate 3; fig. 2*). In view of the fact that the evaluation area as a whole was notably devoid of stones, the size and the relative isolation of this boulder likely suggests that it represented a glacial erratic. Its presence may well account for the anomaly identified on the geophysical survey in this location.



Plate 3: View of NNE baulk showing the presence of a possible glacial erratic

6.4 Trench Descriptions

6.4.1 Trench 001



Plate 4: View SW of trench 001



Plate 5: View SE sample section of trench 001

NE-SW A: 281746 473450 B: 281731 473423

Trench No	Context No	Type	F/B	F/O	Context Information	Interpretation	Finds	Date	Comments
001	(001001)	Deposit	-	-	Mid-brown silty clay, very occasional gravel; 0.24m deep.	Topsoil	-	Modern	NAI

Trench No	Context No	Type	F/B	F/O	Context Information	Interpretation	Finds	Date	Comments
	(001002)	Deposit	-	-	Mid-orange-brown silty clay, very occasional gravel; 0.19m deep.	Subsoil	-	Post-medieval	NAI
	(001003)	Deposit	-	-	Mid-brown-orange clay, occasional small-sized stones & gravel.	Natural	-	Natural	NAI

6.4.2 Trench 002



Plate 6: View NNW of trench 002



Plate 7: View WSW sample section of trench 002

NNW-SSE A: 281745 473490 B: 281717 473502

Trench No	Context No	Type	F/B	F/O	Context Information	Interpretation	Finds	Date	Comments
002	(002001)	Deposit	-	-	Mid-brown silty clay, very occasional gravel; 0.22m deep.	Topsoil	-	Modern	NAI
	(002002)	Deposit	-	-	Mid-orange-brown silty clay; 0.20m deep.	Subsoil	-	Post-medieval	NAI
	(002003)	Deposit	-	-	Mid-brown-orange clay.	Natural	-	Natural	NAI

6.4.3 Trench 003



Plate 8: View SSW of trench 003



Plate 9: View ESE sample section of trench 003

NNE-SSW A: 281733 473548 B: 281706 473535

Trench No	Context No	Type	F/B	F/O	Context Information	Interpretation	Finds	Date	Comments
003	(003001)	Deposit	-	-	Mid-brown silty clay, very occasional small-sized stones & gravel; 0.20m deep.	Topsoil	-	Modern	NAI
	(003002)	Deposit	-	-	Mid-orange-brown silty clay, very occasional gravel; 0.21m deep.	Subsoil	-	Post-medieval	NAI
	(003003)	Deposit	-	-	Mid-brown-orange silty clay; 0.42m deep.	Colluvium	-	Natural	NAI
	(003004)	Deposit	-	-	Yellow-orange clay, occasional small to medium stones & gravel.	Natural	-	Natural	NAI

6.4.4 Trench 004



Plate 10: View ESE of trench 004



Plate 11: View SSW sample section of trench 004

WNW-ESE A: 281718 473546 B: 281711 473575

Trench No	Context No	Type	F/B	F/O	Context Information	Interpretation	Finds	Date	Comments
004	(004001)	Deposit	-	-	Mid-brown silty clay, very occasional small stones & gravel; 0.30m deep.	Topsoil	-	Modern	NAI
	(004002)	Deposit	-	-	Mid-orange-brown silty clay, very occasional gravel; 0.23m deep.	Subsoil	-	Post-medieval	NAI
	(004003)	Deposit	-	-	Mid-brown-orange silty clay; 0.36m deep.	Colluvium	-	Natural	NAI
	(004004)	Deposit	-	-	Yellow-orange clay, occasional small to medium stones & gravel.	Natural	-	Natural	NAI

6.4.5 Trench 005



Plate 12: View WSW of trench 005



Plate 13: View SSE sample section of trench 005

ENE-WSW A: 281714 473473 B: 281702 473446

Trench No	Context No	Type	F/B	F/O	Context Information	Interpretation	Finds	Date	Comments
005	(005001)	Deposit	-	-	Mid-brown silty clay, very occasional small stones & gravel; 0.28m deep.	Topsoil	-	Modern	NAI
	(005002)	Deposit	-	-	Mid-orange-brown silty clay, very occasional gravel; 0.16m deep.	Subsoil	-	Post-medieval	NAI
	(005003)	Deposit	-	-	Mid-brown-orange silty clay; 0.40m deep.	Colluvium	-	Natural	NAI
	(005004)	Deposit	-	-	Yellow-orange clay, occasional gravel.	Natural	-	Natural	NAI

6.4.6 Trench 006



Plate 14: View E of trench 006



Plate 15: View S sample section of trench 006

E-W A: 281690 473512 B: 281690 473542

Trench No	Context No	Type	F/B	F/O	Context Information	Interpretation	Finds	Date	Comments
006	(006001)	Deposit	-	-	Mid-brown silty clay, very occasional small stones & gravel; 0.30m deep.	Topsoil	-	Modern	NAI
	(006002)	Deposit	-	-	Mid-orange-brown silty clay, very occasional gravel; 0.19m deep.	Subsoil	-	Post-medieval	NAI
	(006003)	Deposit	-	-	Mid-brown-orange silty clay; 0.41m deep.	Colluvium	-	Natural	NAI
	(006004)	Deposit	-	-	Yellow-orange clay, occasional gravel.	Natural	-	Natural	NAI

6.4.7 Trench 007



Plate 16: View N of trench 007



Plate 17: View W sample section of trench 007

N-S A: 281699 473556 B: 281669 473556

Trench No	Context No	Type	F/B	F/O	Context Information	Interpretation	Finds	Date	Comments
007	(007001)	Deposit	-	-	Mid-brown silty clay, very occasional small stones & gravel; 0.25m deep.	Topsoil	-	Modern	NAI
007	(007002)	Deposit	-	-	Mid-orange-brown silty clay, very occasional gravel; 0.13m deep.	Subsoil	-	Post-medieval	NAI
	(007003)	Deposit	-	-	Mid-brown-orange silty clay; 0.34m deep.	Colluvium	-	Natural	NAI
	(007004)	Deposit	-	-	Yellow-orange clay, occasional gravel.	Natural	-	Natural	NAI

6.4.8 Trench 008



Plate 18: View WNW of trench 008



Plate 19: View SSW sample section of trench 008

WNW-ESE A: 281686 473398 B: 281681 473428

Trench No	Context No	Type	F/B	F/O	Context Information	Interpretation	Finds	Date	Comments
008	(008001)	Deposit	-	-	Mid-brown silty clay, very occasional small stones & gravel; 0.25m deep.	Topsoil	-	Modern	NAI
	(008002)	Deposit	-	-	Mid-orange-brown silty clay, very occasional gravel; 0.13m deep.	Subsoil	-	Post-medieval	NAI
	(008003)	Deposit	-	-	Yellow-orange clay.	Natural	-	Natural	NAI

6.4.9 Trench 009



Plate 20: View WSW of trench 009



Plate 21: View NNW sample section of trench 009

ENE-WSW A: 281699 473471 B: 281684 473444

Trench No	Context No	Type	F/B	F/O	Context Information	Interpretation	Finds	Date	Comments
009	(009001)	Deposit	-	-	Mid-brown silty clay, very occasional small stones & gravel; 0.30m deep.	Topsoil	-	Modern	NAI
	(009002)	Deposit	-	-	Mid-orange-brown silty clay, very occasional gravel; 0.10m deep.	Subsoil	-	Post-medieval	NAI
	(009003)	Deposit	-	-	Mid-brown-orange silty clay; 0.15m deep.	Colluvium	-	Natural	NAI
	(009004)	Deposit	-	-	Yellow-orange clay.	Natural	-	Natural	NAI

6.4.10 Trench 010



Plate 22: View WNW of trench 010



Plate 23: View SSW sample section of trench 010



Plate 24: View NNE large stone in situ, trench 010

WNW-ESE A: 281687 473477 B: 281678 473506

Trench No	Context No	Type	F/B	F/O	Context Information	Interpretation	Finds	Date	Comments
010	(010001)	Deposit	-	-	Mid-brown silty clay, very occasional small stones & gravel; 0.38m deep.	Topsoil	-	Modern	NAI
	(010002)	Deposit	-	-	Mid-orange-brown silty clay, very occasional gravel; 0.12m deep.	Subsoil	-	Post-medieval	NAI
	(010003)	Deposit	-	-	Yellow-orange clay.	Natural	-	Natural	NAI

6.4.11 Trench 011



Plate 25: View SE of trench 011



Plate 26: View SW sample section of trench 011

WNW-ESE A: 281670 473572 B: 281656 473599

Trench No	Context No	Type	F/B	F/O	Context Information	Interpretation	Finds	Date	Comments
011	(011001)	Deposit	-	-	Mid-brown silty clay, very occasional small stones & gravel; 0.40m deep.	Topsoil	-	Modern	NAI
	(011002)	Deposit	-	-	Mid-orange-brown silty clay, very occasional gravel; 0.30m deep.	Subsoil	-	Post-medieval	NAI
	(011003)	Deposit	-	-	Yellow-orange clay.	Natural	-	Natural	NAI

6.4.12 Trench 012



Plate 27: View SSE of trench 012



Plate 28: View WSW sample section of trench 012

NNW-SSE A: 281677 473466 B: 281648 473473

Trench No	Context No	Type	F/B	F/O	Context Information	Interpretation	Finds	Date	Comments
012	(012001)	Deposit	-	-	Mid-brown silty clay, very occasional small stones & gravel; 0.40m deep.	Topsoil	-	Modern	NAI
	(012002)	Deposit	-	-	Mid-orange-brown silty clay, very occasional gravel; 0.12m deep.	Subsoil	-	Post-medieval	NAI
	(012003)	Deposit	-	-	Yellow-orange clay.	Natural	-	Natural	NAI

6.4.13 Trench 013



Plate 29: View NW of trench 013



Plate 30: View SW sample section of trench 013

NW-SE A: 281658 473480 B: 281637 473502

Trench No	Context No	Type	F/B	F/O	Context Information	Interpretation	Finds	Date	Comments
013	(013001)	Deposit	-	-	Mid-brown silty clay, very occasional small stones & gravel; 0.36m deep.	Topsoil	-	Modern	NAI
	(013002)	Deposit	-	-	Mid-orange-brown silty clay, very occasional gravel; 0.30m deep.	Subsoil	-	Post-medieval	NAI
	(013003)	Deposit	-	-	Yellow-orange clay.	Natural	-	Natural	NAI

6.4.14 Trench 014



Plate 31: View WNW of trench 014



Plate 32: View NNE sample section of trench 014

WNW-ESE A: 281649 473506 B: 281643 473536

Trench No	Context No	Type	F/B	F/O	Context Information	Interpretation	Finds	Date	Comments
014	(014001)	Deposit	-	-	Mid-brown silty clay, very occasional small stones & gravel; 0.28m deep.	Topsoil	-	Modern	NAI
	(014002)	Deposit	-	-	Mid-orange-brown silty clay, very occasional gravel; 0.30m deep.	Subsoil	-	Post-medieval	NAI
	(014003)	Deposit	-	-	Yellow-orange clay.	Natural	-	Natural	NAI

6.4.15 Trench 015



Plate 33: View NE of trench 015



Plate 34: View SE sample section of trench 015

NE-SW A: 281659 473574 B: 281641 473549

Trench No	Context No	Type	F/B	F/O	Context Information	Interpretation	Finds	Date	Comments
015	(015001)	Deposit	-	-	Mid-brown silty clay, very occasional small stones & gravel; 0.30m deep.	Topsoil	-	Modern	NAI
	(015002)	Deposit	-	-	Mid-orange-brown silty clay, very occasional gravel; 0.12m deep.	Subsoil	-	Post-medieval	NAI
	(015003)	Deposit	-	-	Mid-brown-orange silty clay; 0.30m deep.	Colluvium	-	Natural	NAI
	(015004)	Deposit	-	-	Yellow-orange clay.	Natural	-	Natural	NAI

6.4.16 Trench 016



Plate 35: View ESE of trench 016



Plate 36: View NNE sample section of trench 016

WNW-ESE A: 281647 473568 B: 281635 473596

Trench No	Context No	Type	F/B	F/O	Context Information	Interpretation	Finds	Date	Comments
016	(016001)	Deposit	-	-	Mid-brown silty clay, very occasional small stones & gravel; 0.30m deep.	Topsoil	-	Modern	NAI
	(016002)	Deposit	-	-	Mid-orange-brown silty clay, very occasional gravel; 0.20m deep.	Subsoil	-	Post-medieval	NAI
	(016003)	Deposit	-	-	Mid-brown-orange silty clay; 0.40m deep.	Colluvium	-	Natural	NAI
	(016004)	Deposit	-	-	Yellow-orange clay.	Natural	-	Natural	NAI

6.4.17 Trench 017



Plate 37: View S of trench 017



Plate 38: View W sample section of trench 017

N-S A: 281631 473453 B: 281601 473453

Trench No	Context No	Type	F/B	F/O	Context Information	Interpretation	Finds	Date	Comments
017	(017001)	Deposit	-	-	Mid-brown silty clay, very occasional small stones & gravel; 0.30m deep.	Topsoil	-	Modern	NAI
	(017002)	Deposit	-	-	Mid-orange-brown silty clay, very occasional gravel; 0.32m deep.	Subsoil	-	Post-medieval	NAI
	(017003)	Deposit	-	-	Grey-orange clay.	Natural	-	Natural	NAI

6.4.18 Trench 018



Plate 39: View SE of trench 018



Plate 40: View NE sample section of trench 018



Plate 41: View E of bricks in situ, trench 018



Plate 42: Profile of large modern pit, trench 018

NW-SE A: 281627 473537 B: 281610 473561

Trench No	Context No	Type	F/B	F/O	Context Information	Interpretation	Finds	Date	Comments
018	[018004]	Cut	(018005) (018006)	-	Unknown size and shape in plan; sides slightly concave, base not reached.	Pond	-	Post-medieval	NAI Backfilled c.30 yrs.
	(018005)	Deposit	-	[018004]	Mid-greyish-brown silty clay, very occasional small to medium stones; 0.09m deep.	Basal fill of [018004]	Brick Wood	Post-medieval	NAI
	(018006)	Deposit	-	[018004]	Yellow-brown clay, very occasional small to medium stones; 0.71m deep.	Main backfill deposit of [018004]	Glass Brick Metal Wood	Modern	NAI

6.4.19 Trench 019



Plate 43: View WNW of trench 019



Plate 44: View NNE sample section of trench 019

WNW-ESE A: 281595 473467 B: 281582 473494

Trench No	Context No	Type	F/B	F/O	Context Information	Interpretation	Finds	Date	Comments
019	(019001)	Deposit	-	-	Mid-brown silty clay, very occasional small stones & gravel; 0.25m deep.	Topsoil	-	Modern	NAI
	(019002)	Deposit	-	-	Mid-orange-brown silty clay, very occasional gravel; 0.20m deep.	Subsoil	-	Post-medieval	NAI
	(019003)	Deposit	-	-	Grey-orange clay.	Natural	-	Natural	NAI

6.4.20 Trench 020



Plate 45: View ENE of trench 020



Plate 46: View SSE sample section of trench 020

ENE-WSW A: 281578 473526 B: 281567 473498

Trench No	Context No	Type	F/B	F/O	Context Information	Interpretation	Finds	Date	Comments
020	(020001)	Deposit	-	-	Mid-brown silty clay, very occasional small stones & gravel; 0.30m deep.	Topsoil	-	Modern	NAI
	(020002)	Deposit	-	-	Mid-orange-brown silty clay, very occasional gravel; 0.26m deep.	Subsoil	-	Post-medieval	NAI
	(020003)	Deposit	-	-	Grey-orange clay.	Natural	-	Natural	NAI

6.4.21 Trench 021



Plate 47: View SW of trench 021



Plate 48: View NW sample section of trench 021

NE-SW A: 281594 473582 B: 281576 473558

Trench No	Context No	Type	F/B	F/O	Context Information	Interpretation	Finds	Date	Comments
021	(021001)	Deposit	-	-	Mid-brown silty clay, very occasional small stones & gravel; 0.37m deep.	Topsoil	-	Modern	NAI
	(021002)	Deposit	-	-	Mid-orange-brown silty clay, very occasional gravel; 0.09m deep.	Subsoil	-	Post-medieval	NAI
021	(021003)	Deposit	-	-	Grey-orange clay.	Natural	-	Natural	NAI

6.4.22 Trench 022



Plate 49: View S of trench 022



Plate 50: View S sample section of trench 022

N-S A: 281606 473609 B: 281596 473609

Trench No	Context No	Type	F/B	F/O	Context Information	Interpretation	Finds	Date	Comments
022	(022001)	Deposit	-	-	Mid-brown silty clay, very occasional small stones & gravel; 0.38m deep.	Topsoil	-	Modern	NAI
	(022002)	Deposit	-	-	Mid-orange-brown silty clay, very occasional gravel; 0.09m deep.	Subsoil	-	Post-medieval	NAI
	(022003)	Deposit	-	-	Yellow-orange clay.	Natural	-	Natural	NAI

6.4.23 Trench 023



Plate 51: View W of trench 023



Plate 52: View N sample section of trench 023

E-W A: 281593 473598 B: 281593 473618

Trench No	Context No	Type	F/B	F/O	Context Information	Interpretation	Finds	Date	Comments
023	(023001)	Deposit	-	-	Mid-brown silty clay, very occasional small stones & gravel; 0.34m deep.	Topsoil	-	Modern	NAI
	(023002)	Deposit	-	-	Mid-orange-brown silty clay, very occasional gravel; 0.11m deep.	Subsoil	-	Post-medieval	NAI
	(023003)	Deposit	-	-	Yellow-orange clay.	Natural	-	Natural	NAI

	[023004]	Cut	(023005)	-	Linear in plan; orientated NNE-SSW; break of slope top moderate, sides moderately sloping, break of slope base gradual, base slightly undulating to near-flat; L=N/A W=0.23m D=0.09m.	Cut of a probable plough scar	-	Post-medieval	NAI
	(023005)	Deposit	-	[024004]	Friable, light brownish-grey silty clay; L=N/A W=0.23m D=0.09m.	Fill of probable plough scar [023004]	-	Post-medieval	NAI

6.4.24 Trench 024



Plate 53: View NW of trench 024



Plate 54: View NE sample section of trench 024

NW-SE A: 281567 473599 B: 281550 473624

Trench No	Context No	Type	F/B	F/O	Context Information	Interpretation	Finds	Date	Comments
024	(024001)	Deposit	-	-	Mid-brown silty clay, very occasional small stones & gravel; 0.30m deep.	Topsoil	-	Modern	NAI
024	(024002)	Deposit	-	-	Mid-orange-brown silty clay, very occasional gravel; 0.10m deep.	Subsoil	-	Post-medieval	NAI
	(024003)	Deposit	-	-	Yellow-orange clay.	Natural	-	Natural	NAI

6.4.25 Trench 025



Plate 55: View W of trench 025



Plate 56: View N sample section of trench 025

E-W A: 281541 473591 B: 281541 473621

025	(025001)	Deposit	-	-	Mid-brown silty clay, very occasional small stones & gravel; 0.40m deep.	Topsoil	-	Modern	NAI
	(025002)	Deposit	-	-	Mid-orange-brown silty clay, very occasional gravel; 0.23m deep.	Subsoil	-	Post-medieval	NAI

	(025003)	Deposit	-	-	Mid-orange clay, pockets of sandy silty clay, occasional small stones & gravel.	Natural	-	Natural	NAI
	[025004]	Cut	(025005)	-	Linear in plan; orientated WNW-ESE; break of slope top moderate, sides concave to moderately sloping, break of slope base gradual, base undulating; L=N/A W=0.35m D=0.11m.	Cut of a probable plough scar	-	Post-medieval	NAI
	(025005)	Deposit	-	[025004]	Friable, mid-brownish-grey silty clay; L=N/A W=0.35m D=0.11m.	Fill of probable plough scar [025004]	-	Post-medieval	NAI

7 Conclusions

The evaluation trenching revealed no evidence of significant archaeological finds, features or deposits.

The natural substrate was encountered at a depth of between 0.36m-0.95m below ground level. The natural varied from mid-brownish-orange clay containing pockets of sandy silty clay and occasional small stones and gravel to yellowish-/greyish-orange clay with occasional small to medium stones and gravel.

A number of amorphous features representing areas of bioturbation and a series of modern land drains were identified in several trenches and these, together with the various changes in the natural geology noted throughout the evaluation area, may account for some of the potential features identified in the geophysical survey results.

The narrow and shallow nature of the two linear features identified in Trenches 023 and 025 suggest these probably represented plough damage; the features were aligned with the remnants of ridge and furrow cultivation recorded by the geophysical survey.

The area of disturbance identified towards the SE corner of the site in the survey results represented a modern pit/drainage feature [018004] revealed in Trench 018, which appears to have been backfilled approximately 30 years ago (Mark Newton (landowner) pers. comm.). The fill consisted of 20th -century agricultural waste and building material, including barbed-wire fencing, metal agricultural equipment, bricks and glass (not retained). Investigation to the base of the feature confirmed its date as modern and, following on-site discussion with the archaeological monitor, no further recording of this feature was undertaken.

The size and the relative isolation of a small limestone boulder revealed in the NNE baulk of Trench 10 suggested a possible glacial erratic. This interpretation is supported by the fact that the evaluation area as a whole was notably devoid of stones. The presence of this boulder may account for the anomaly identified on the geophysical survey at this location.

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9 Bibliography

Border Archaeology, 2014, *Archaeological Field Recording Manual*

ClfA, 2014a, *Standard and Guidance for archaeological field evaluation*

ClfA, 2014b, *Standard and guidance for archaeological geophysical survey*

ClfA, 2014c, *Standard and Guidance for the collection, documentation, conservation and research of archaeological materials*

ClfA, 2014d, *Code of conduct*

David, A., Linford, N, & Linford, P., 2008, *Geophysical Survey in Archaeological Field Evaluation*, Historic England

Donaldson, K. & Sabin, D., 2016, *Wormslade Farm Clipston Road Kelmars Northamptonshire: Magnetometer Survey Report*, Ref. No. **643**

Lee, E., 2015, *Management of Research Projects in the Historic Environment: The MoRPHE Project Managers' Guide*, Historic England

SSEW, 1983, *The Soil Survey of England and Wales 1:250 000*, Harpenden

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