

**Cotmoor Solar Farm
Halloughton
Nottinghamshire**

Archaeological Evaluation



for:
Pegasus Group

on behalf of:
JBM Solar Projects 6 Ltd

CA Project: MK0682
CA Report: MK0682_1

September 2022



Cotmoor Solar Farm Halloughton Nottinghamshire

Archaeological Evaluation

CA Project: MK0682
CA Report: MK0682_1

Document Control Grid						
Revision	Date	Author	Checked by	Status	Reasons for revision	Approved by
1	May 2022	Ralph Brown	JN	Draft	QA	APS
2			JN		Client Comment	JN
3			JN		Curator comment	JN

This report is confidential to the client. Cotswold Archaeology accepts no responsibility or liability to any third party to whom this report, or any part of it, is made known. Any such party relies upon this report entirely at their own risk. No part of this report may be reproduced by any means without permission.

Cirencester Building 11 Kemble Enterprise Park Cirencester Gloucestershire GL7 6BQ t. 01285 771 022	Milton Keynes Unit 8, The IO Centre Fingle Drive, Stonebridge Milton Keynes Buckinghamshire MK13 0AT t. 01908 564 660	Andover Stanley House Walworth Road Andover Hampshire SP10 5LH t. 01264 347 630	Suffolk Unit 5, Plot 11 Maitland Road Lion Barn Industrial Estate Needham Market Suffolk IP6 8NZ t. 01449 900 120
e. enquiries@cotswoldarchaeology.co.uk			

CONTENTS

SUMMARY	3
1. INTRODUCTION.....	5
2. ARCHAEOLOGICAL BACKGROUND.....	7
3. AIMS AND OBJECTIVES.....	8
4. METHODOLOGY.....	8
5. RESULTS.....	9
6. THE FINDS	13
7. THE BIOLOGICAL EVIDENCE	13
8. DISCUSSION.....	14
9. CA PROJECT TEAM.....	15
10. REFERENCES.....	16
APPENDIX A: CONTEXT DESCRIPTIONS	18
APPENDIX B: THE FINDS.....	28
APPENDIX C: THE PALAEOENVIRONMENTAL EVIDENCE.....	29
APPENDIX D: RADIOCARBON (C14) DATING.....	29
APPENDIX E: OASIS REPORT FORM.....	30

LIST OF ILLUSTRATIONS

- Fig. 1 Site location plan (1:25,000)
- Fig. 2 Trench location plan showing, geophysical survey results (1:7,500)
- Fig. 3 Trenches 1-3 and 11, showing archaeological features and geophysical survey results (1:1000)
- Fig. 4 Trenches 4-10, showing archaeological features and geophysical survey results (1:1000)
- Fig. 5 Trenches 11-16, showing archaeological features and geophysical survey results (1:1000)
- Fig. 6 Trenches 17-24, showing archaeological features and geophysical survey results (1:1000)
- Fig. 7 Trenches 25-29, showing archaeological features and geophysical survey results (1:1000)
- Fig. 8 Trenches 30-36, showing archaeological features and geophysical survey results (1:1000)
- Fig. 9 Trenches 37-41, showing archaeological features and geophysical survey results (1:1000)
- Fig. 10 Trenches 42, 47-52 and 56, showing archaeological features and geophysical survey results (1:1000)
- Fig. 11 Trenches 43-47 and 53-54, showing archaeological features and geophysical survey results (1:1000)
- Fig. 12 Trenches 54-55 and 59-62, showing archaeological features and geophysical survey results (1:1000)
- Fig. 13 Trenches 57-58, 64-70, and 79, showing archaeological features and geophysical survey results (1:1000)
- Fig. 14 Trenches 55 and 59-64, showing archaeological features and geophysical survey results (1:1000)
- Fig. 15 Trenches 62, 63, 71 and 78, showing archaeological features and geophysical survey results (1:1000)
- Fig. 16 Site photograph and trench shots
- Fig. 17 Trench shots
- Fig. 18 Trenches 1 and 3, sections and photographs
- Fig. 19 Trenches 8 and 13, sections and photographs
- Fig. 20 Trenches 22 and 35, sections and photographs
- Fig. 21 Trenches 65 and 66, sections and photographs
- Fig. 22 Trenches 67 and 68, sections and photographs
- Fig. 23 Trench 71, section and photograph
- Fig. 24 Site trench location, overlaid onto extracts of the 6" Nottinghamshire Ordnance Survey map, 1884

SUMMARY

Project name:	Cotmoor Solar Farm
Location:	Halloughton, Nottinghamshire
NGR:	467994 352085
Type:	Evaluation
Date:	5 th April – 4 th May 2022
Planning reference:	20/01242/FULM; APP/B3030/W/21/3279533
Location of Archive:	To be deposited with Newark Museum
Site Code:	COTS22

In April and May 2022, Cotswold Archaeology carried out an archaeological evaluation at Cotmoor Solar Farm, Halloughton, Nottinghamshire. The evaluation, comprising the excavation of 79 trenches, was carried out in accordance with Conditions 21, 22 and 23 of planning application ref: 20/01242/FULM; APP/B3030/W/21/3279533. The archaeological background of the site indicated a low potential for remains other than post-medieval agricultural activity.

The geophysical survey indicated a low potential for the presence of archaeological remains, with the exception of those relating to agricultural activity. These remains are likely to represent evidence of a well-established medieval open field system and later post-medieval agricultural activity. However, the limited results of the evaluation are insufficient to establish any phasing to the furrows due to the extensive modern ploughing truncating the furrow bases which were not cut into the natural substrate.

The archaeological remains recorded exclusively relate to agricultural practice during the medieval/ post-medieval and modern periods. Seven ditches were identified relating to former field boundaries associated with the agricultural landscape. Two ditches replicate the alignment of furrows indicated by the geophysical survey, the remaining five respecting existing field boundaries or correlating with ditches on historic mapping from 1884. Several ditches were deliberately backfilled, likely associated with modern amalgamation of smaller fields into larger ones.

Two pits were recorded associated with the agricultural activity on site. A pit in Trench 3 was backfilled with burnt material which produced a radiocarbon date of 1043 - 1152±23 yr BP,

placing the feature in the late Anglo-Saxon / medieval period. No medieval remains were previously identified within the site. A large pit was revealed in Trench 71, possibly a marl pit, associated with the agricultural activity.

1. INTRODUCTION

- 1.1. In April and May 2022, Cotswold Archaeology (CA) carried out an archaeological evaluation at Cotmoor Solar Farm, Halloughton, Nottinghamshire (centred at NGR: 467994 352085; Fig. 1). This evaluation was undertaken for Pegasus Group, who were acting on behalf of JBM Solar Projects 6 Ltd.
- 1.2. Planning permission for the construction of a solar farm has been granted at appeal by the Planning Inspectorate, following an initial refusal, by Newark and Sherwood District Council (NASDC; planning ref: 20/01242/FULM; APP/B3030/W/21/3279533). The following conditions were attached:

Condition 21

No development shall take place until an archaeological Written Scheme of Investigation has been submitted to and approved in writing by the local planning authority. This scheme shall include the following: 1. an assessment of significance and proposed mitigation strategy (i.e., preservation by record, preservation in situ or a mix of these elements). 2. a methodology and provisional timetable of site investigation and recording. 3. provision for site analysis. 4. provision for publication and dissemination of analysis and records. 5. provision for archive deposition and 6. nomination of a competent person/organisation to undertake the work. The scheme of archaeological investigation must only be undertaken in accordance with the approved details.

Condition 22

The archaeological site work must be undertaken only in full accordance with the approved Written Scheme of Investigation. The developer/site operator shall notify the local planning authority of the intention to commence at least 2 working weeks before the start of archaeological work to facilitate adequate monitoring arrangements. No variation to the methods and procedures set out in the approved Written Scheme of Investigation shall take place without the prior written consent of the local planning authority.

Condition 23

The post-investigation assessment and final report must be completed in accordance with the programme set out in the approved Written Scheme of Investigation and shall include provision for analysis, publication, dissemination of results, submission of the final report to the local planning authority and Nottinghamshire HER and deposition of the archive being secured.

- 1.3. The scope of this evaluation was defined in discussions between Pegasus Group and Matthew Adams, Historic Environment Officer, Lincolnshire County Council (HEOLCC), the archaeological advisor to NASDC. These discussions were informed by a previous archaeological evaluation which investigated a 0.15% sample of the site. The current phase of work, constituting a further 0.75% sample of the site, was carried out in accordance with a Written Scheme of Investigation (WSI) prepared by CA (2022) and approved by the HEOLCC.
- 1.4. The evaluation was also in line with *Standard and guidance for archaeological field evaluation* (ClfA 2014a; updated October 2020), *Management of Research Projects in the Historic Environment (MoRPHE) PPN 3: Archaeological Excavation* (Historic England 2015) and *Management of Research Projects in the Historic Environment: The MoRPHE Project Managers' Guide* (Historic England 2015).

The site

- 1.5. The proposed development site is approximately 102.5ha in extent located to the north of Halloughton and 1.3km to the southwest of Southwell. The site currently comprises fourteen agricultural fields and is bounded on all sides by further agricultural land. The boundaries largely comprise hedges with occasional wire and wooden fencing. The site undulates with a high point at approximately 95m AOD in the northwest, and a low point in the southeast at c.58m AOD.
- 1.6. The underlying bedrock geology of the site is mapped as Gunthorpe Member Mudstone, with Gunthorpe Member Siltstone and Radcliffe Member Mudstone and Siltstone, all formed in the Triassic period. This is overlain in lower areas by superficial deposits alluvium of clay, silt, sand and gravel, which formed in the Quaternary period (BGS 2022).

2. ARCHAEOLOGICAL BACKGROUND

- 2.1. The site has been the subject of a Heritage Desk-Based Assessment (PG 2020), geophysical survey (MS 2019) and subsequent archaeological evaluation (PCA 2020). The following section is summarised from these sources.

Prehistoric to Roman

- 2.2. Evidence of prehistoric activity in the vicinity of the site is limited to two artefacts. An Iron Age coin was found c.130m south of the site, though the location is imprecise. A Neolithic flint axehead was also found c.350m west of the site.
- 2.3. No evidence of Roman activity has been identified at the site or nearby. However, in the wider vicinity Roman activity includes a settlement identified at Southwell; a Roman fort c.2.9km north of the site; and three Romano-British camps to the west and northwest.

Medieval

- 2.4. No medieval remains have been recorded within the site. Earthworks of ridge and furrow are present to the south and north of the site, but not within the site itself. The medieval parish church lies about 90m south of the site. Opposite the church, approximately 110m south of the site, is Halloughton Manor Farmhouse which has an attached 13th century tower.

Post-medieval to modern

- 2.5. No post-medieval to recent heritage assets are recorded within the site in the Historic Environment Record; though New Radley Farm is depicted on the 1841 Southwell Tithe Map. By 1885 a brickyard had been established by the southeastern corner of the site.

Geophysical Survey

- 2.6. A geophysical survey was undertaken on the site (MS 2020). Agricultural activity was revealed across the site comprising ridge and furrow features, former field boundaries, modern plough features and extensive field drains.

Archaeological Evaluation

- 2.7. The pre-determination archaeological evaluation (PCA 2020) consisted of 16 trenches distributed across the site. The evaluation revealed the truncated remains of furrows, consistent with the geophysical survey results, one undated gully and a

modern pit. No finds were recovered from the furrows which were considered to be of post-medieval date.

- 2.8. A sherd of Late Iron Age to Early Roman pottery was recovered from the topsoil in the centre of the site, possibly indicating settlement activity of this period in the vicinity. However, neither the geophysical survey or the evaluation identified any evidence of a potential settlement, and it is probable that the sherd relates to a manuring scatter.

3. AIMS AND OBJECTIVES

- 3.1. The general objective of the evaluation was to provide further information on the likely archaeological resource within the site, including its presence/absence, character, extent, date and state of preservation. This information will enable NASDC, as advised by the HEOLCC, to identify and assess the particular significance of any archaeological heritage assets within the site, consider the impact of the proposed development upon that significance and, if appropriate, develop strategies to avoid or minimise conflict between heritage asset conservation and the development proposals, in line with the *National Planning Policy Framework* (MHCLG 2021).
- 3.2. The specific objective of the evaluation was to investigate the potential linear features recorded by the geophysical survey (MS 2020), as well as any continuation of features identified by the previous archaeological evaluation (PCA 2020).

4. METHODOLOGY

- 4.1. The evaluation fieldwork comprised the excavation of 79 trenches each measuring 50m x 1.8m (Fig. 2). The trenches were located to test geophysical anomalies and to provide a representative sample of the remainder of the site.
- 4.2. Trenches were set out on OS National Grid co-ordinates using Leica GPS. Overburden was stripped from the trenches by a mechanical excavator fitted with a toothless grading bucket. All machining was conducted under archaeological supervision to the top of the natural substrate, which was the level at which archaeological features were first encountered.
- 4.3. Archaeological features/deposits were investigated, planned and recorded in accordance with *CA Technical Manual 1: Fieldwork Recording Manual*. Deposits were assessed for their palaeoenvironmental potential and samples were taken in

accordance with *CA Technical Manual 2: The Taking and Processing of Environmental and Other Samples from Archaeological Sites*. Artefacts were processed in accordance with *CA Technical Manual 3: Treatment of Finds Immediately after Excavation*.

- 4.4. CA will make arrangements with Newark Museum for the deposition of the project archive and, subject to agreement with the legal landowner(s), the artefact collection. The archives will be prepared and deposited in accordance with *Standard and guidance for the creation, compilation, transfer and deposition of archaeological archives* (ClfA 2014b; updated October 2020).
- 4.5. A summary of information from this project, as set out in Appendix E, will be entered onto the OASIS online database of archaeological projects in Britain.

5. RESULTS

- 5.1. This section provides an overview of the evaluation results. Detailed summaries of the recorded contexts are given in Appendix A. Details of the artefactual material recovered from the site are given in Section 6 and Appendix B. Details of the environmental samples (palaeoenvironmental evidence) are given in Section 7 and Appendix C.
- 5.2. The stratigraphy within each trench broadly remained the same across the site. The natural substrate comprised mid pink brown clay with patches of grey blue sandy clay and sandstone. This was sealed by a layer of mid grey brown silty loam topsoil/ploughsoil which averaged 0.32m thick. The only trenches to diverge from this were located near the bases of valleys; Trenches 18, 19 and 20 encountered a layer of colluvium, comprising light orange brown sandy silt and averaging 0.31m thick. Trenches 62, 63, 71 and 73 encountered a layer of alluvium comprising light yellow brown clay sand and averaging 0.57m thick. Both these layers were found overlying the natural substrate and sealed by the ploughsoil.
- 5.3. Trenches 4-7, 10-12, 14, 17-21, 24, 26-34, 36-43, 45-50, 52, 54-56, 58, 60-64, 69-70, and 72-79 were devoid of any archaeological features, finds or deposits.
- 5.4. Across the evaluation 35 furrows were recorded located within Trenches 2, 9, 15, 16, 22, 23, 25, 44, 51, 53, 57, 59, 68. The furrows, which corresponded with the geophysical survey, had an average width of 1.31m and average depth of 0.1m. One

furrow was excavated within each of these trenches in accordance with the requirements of the HEOLCC. A single fragment of brick was recovered from fill (1603) of furrow 1602 dating to the post-medieval to modern period. No further dating material was recovered from the truncated furrow bases.

Trench 1 (Figs. 3 & 18)

- 5.5. Ditch 102 was located in the northern half of Trench 1 aligned northeast/southwest. The ditch measured 0.63m wide by 0.19m deep with straight moderate sides and a concave base. No finds were recovered from fill (103), which was of a similar makeup to the furrows, comprising firm light orange brown silty clay. The ditch, likely a former field boundary, correlates with a series of anomalies on the geophysical survey indicating furrows and is likely contemporary with this phase of activity. However, the ditch may also represent sub-division of the open field system, the boundary respecting the alignment of long-established furrows.

Trench 3 (Figs. 3 & 18)

- 5.6. Pit 302 was partially exposed in the southern half of Trench 3. It was circular in plan, measuring 1.06m wide, over 0.5m long, by 0.27m deep, with steep concave sides and a concave base. It was filled with a deliberate backfill (303), comprising dark blue grey sandy silt with frequent charcoal inclusions, from which no finds were recovered.
- 5.7. An environmental sample (sample 4) from fill (303), likely to be indicative of a dump of hearth waste material, contained a very small number of charred hazelnut (*Corylus avellana*) shell fragments alongside a large quantity of charcoal. A radiocarbon date was obtained from the charred hazelnut and charcoal producing a date of 1043 - 1152±23 yr BP, placing the feature in the late Anglo-Saxon / medieval period.

Trench 8 (Figs. 4 & 19)

- 5.8. Layer (802) was encountered in the southwestern end of Trench 8. It was over 4.4m long with a maximum depth of 0.26m and comprised light yellow brown clay silt and represents a former headland. The geophysical survey identifies a linear anomaly to the north aligned north/south which likely represents the continuation of this headland. To the north of the trench furrows respect this headland on the geophysical survey. No finds or dating were observed within layer (802).

Trench 13 (Figs. 5 & 19)

- 5.9. Ditch 1302, aligned north/south, was located in the northern end of Trench 13. It measured 0.51m wide by 0.1m deep with concave sides and a concave base. The

single fill (1303) comprised mid grey brown silty clay and contained no finds. The alignment of ditch 1302 is parallel to the current field boundary, approximately 30m to the east. The ditch is likely associated with the agricultural landscape.

Trench 22 (Figs. 6, 20 & 24)

- 5.10. Ditch 2204 ran through the western half of Trench 22 on a north/south alignment. It measured 0.63m wide by 0.43m deep with steep straight sides. Historic mapping indicates a former field boundary to west on the same alignment to which the ditch is likely contemporary. As part of the process of amalgamating smaller fields in the post-medieval/ modern period a land drain was inserted in the ditch prior to backfilling.

Trench 35 (Figs. 8, 20 & 24)

- 5.11. Ditch 3502 was located in the western half of Trench 35 on a north/south orientation measuring 0.97m wide by 0.24m deep with convex sides and a concave base. Primary fill (3503) comprised mid grey brown silty clay deriving from natural silting, followed by deliberate backfilling (3504), comprising dark grey brown clay silt. No finds were recovered from either fill. The ditch likely represents a former field boundary on a parallel alignment to a present field boundary to the west.

Trench 65 (Figs. 13 & 21)

- 5.12. Ditch 6502 was located centrally to Trench 65 on a northwest/southeast alignment measuring 1.22m wide by 0.31m deep, with moderate and steep sides and a concave base. Fill (6503), comprising mid yellow brown clay silt, deriving from disuse silting, contained no finds. The alignment of the ditch is perpendicular to the furrows identified by the geophysical survey in this trench but corresponds with the alignment of anomalies indicating furrows to the north and northwest. Ditch 6502 likely represents a former field boundary associated with former field systems.

Trench 66 (Fig. 13, 21 & 24)

- 5.13. Ditch 6602 was located centrally to Trench 66, aligned east/west, and correlated with a linear anomaly identified on the geophysical survey which continues through to Trench 68. The ditch measured 1.45m wide by 0.59m deep with moderate straight sides and a concave base. No finds were recovered from fill 6603, comprising mixed red brown and grey brown clay silt deriving from the deliberate backfilling of the ditch. The ditch, a former field boundary identifiable on historic mapping, was likely backfilled as part of the process of amalgamating two fields in the modern period.

-
- 5.14. Natural hollow 6605 was also investigated in the southern end Trench 66 measuring 9.8m wide by 0.25m deep with shallow sides. No finds were recovered from the naturally forming fill.

Trench 67 (Fig. 13 & 22)

- 5.15. Trench 67 was targeted on an east/west linear anomaly identified on the geophysical survey. Palaeochannel 6702 was found to correlate with this anomaly in the north of Trench 67. Located in the base of the valley palaeochannel 6702 measured 16.95m wide by 0.8m deep with shallow upper sides which steepened towards the concave base. It was filled with a uniform water-borne deposit (6703), comprising light yellow brown sandy clay, from which no finds were recovered.

Trench 68 (Fig. 13, 22 & 24)

- 5.16. Ditch 6802 was located in the southeastern half of Trench 68 measuring 0.62m wide by 0.17m deep with moderate concave sides and base. No finds were recovered from its single fill (6803), deriving from deliberate backfill, which contained a single charred seed of oat/brome grass (*Avena/Bromus* sp.) alongside a small number of charcoal fragments (sample 2). Ditch 6802, replicating the alignment of furrow 6812 directly to the west, likely represents a former field boundary established at or following enclosure of the open field system.
- 5.17. The geophysical survey anomaly within the trench indicated a potential continuation of ditch 6602. However, no continuation of the ditch was evident in the trench. A field boundary is identified on historic mapping in this trench which might relate to a hedge line as opposed to a ditch.

Trench 71 (Figs. 15 & 23)

- 5.18. Pit 7103 was partially exposed in the northeastern half of Trench 71 and correlated with an anomaly identified on the geophysical survey. The pit measured 5.5m wide and was hand excavated to a depth of 0.8m, then augered to reveal the base at 1.3m below present ground level. Pit 7103 had straight moderate sides and was filled with three phases of mixed deliberate backfill deposits. A single fragment of brick was recovered from final fill 7106 dating to the post-medieval or modern period. Fill 704 contained a single charred indeterminate cereal grain fragment and low levels of charcoal (sample 1). This assemblage is likely to be representative of wind-blown/dispersed waste material. The pit is recorded on historic mapping, possibly a marl pit, consistent with the agricultural activity of the area.

6. THE FINDS

- 6.1. The artefactual material was recovered from two deposits: a furrow fill and a pit fill (Appendix B). The material was recovered by hand and is recorded in accordance with the ClfA Finds Toolkit (ClfA 2021).

Ceramic Building Material

- 6.2. Two fragments (130g) of ceramic building material (CBM) were recovered from two deposits. Both were made in oxidised medium sandy fabrics with calcareous inclusions (msc). One brick fragment was recorded from pit 7103; an undiagnostic piece came from plough furrow 1602. Based on the fabric, thickness and characteristics of firing the assemblage is most likely of post-medieval or modern date.

Further work and selection strategy

- 6.3. The finds have been recorded in sufficient detail at this stage and no further work is required. The assemblage has limited potential for further analysis and is not recommended for long-term curation.

7. THE BIOLOGICAL EVIDENCE

- 7.1. Three environmental samples (57 litres of soil) were processed from Trenches 3, 68, and 71 from a variety of undated features from across the evaluation. This was done to evaluate the preservation of palaeoenvironmental remains across the area and with the intention of recovering environmental evidence of industrial or domestic activity on the site. It was also hoped that the environmental remains may aid in the dating of the undated features; pit 302, ditch 6802 and pit 7103. The samples were processed by standard flotation procedures (CA Technical Manual No. 2).

- 7.2. Preliminary identifications of plant macrofossils are noted in Table 2, following nomenclature of Stace (1997) for wild plants.

- 7.3. The flots varied in size from small to large with low to high numbers of rooty material and uncharred seeds. The charred material comprised varying levels of preservation.

Trench 3

- 7.4. Fill 303 (sample 4) of undated pit 302 contained a very small number of charred hazelnut (*Corylus avellana*) shell fragments alongside a large quantity of charcoal.

The environmental remains recovered from sample 4 are likely to be indicative of a dump of hearth waste material.

- 7.5. Hazelnut shells fragments and charcoal were extracted from sample 4 and submitted for C14 dating resulting in a radiocarbon age of 972-1035 cal. AD (89.3%) (SUREC reference: SUREC-105597) and 824-979 cal. AD (87.2%) (SUREC reference: SUREC-105598) respectively, placing the feature in the late Anglo-Saxon / medieval period.

Trench 68

- 7.6. Sample 2 from undated ditch 6802 contained a single charred seed of oat/brome grass (*Avena/Bromus* sp.) alongside a small number of charcoal fragments. This assemblage is likely to be indicative of wind-blown/dispersed waste material.

Trench 71

- 7.7. The environmental remains recovered from post-medieval/ modern pit 7103 (sample 1) contained a single charred indeterminate cereal grain fragment and low levels of charcoal. This assemblage is likely to be representative of wind-blown/dispersed waste material.

Summary

- 7.8. Trench 3 is located to the northern edge of the evaluation and is to the south of a present-day farm. The environmental remains recovered from pit 302 are likely to be representative of a dump of hearth waste material, which possibly relates to some domestic activities further north of the evaluation. Even though an abundance of charcoal was noted during assessment, the lack of charred cereal remains means that to the assemblage does not assist with suggesting a potential date for pit 302.
- 7.9. Trenches 68 and 71 are located to the south-eastern area of the evaluation and produced no environmental remains that may indicate a possible use or function of ditch 6802 and pit 7103, nor is there any evidence that would aid in the dating of these features.

8. DISCUSSION

- 8.1. The archaeological remains recorded exclusively relate to agricultural practice during the medieval/ post-medieval and modern periods. This is consistent with the results of the previous archaeological works undertaken on the site. The geophysical survey

proved more effective than the evaluation in identifying the remains of the former agricultural landscape, likely due to the extensive modern ploughing truncating the furrow bases, which were not cut into the natural substrate.

- 8.2. The ditches revealed on site are all likely former field boundary ditches relating to agricultural activity, with five ditches (1302, 2204, 3502, 6602, 6802) mirroring the alignment and closely relating to boundaries shown on historical mapping from 1841. Ditches 102 and 6502 do not correlate with a boundary identified on historic mapping but are comparable with alignments on the geophysical anomalies indicating furrows suggesting they represents a former field boundary associated with former field systems.
- 8.3. Some of the ditches investigated had been deliberately backfilled as part of amalgamating several smaller fields into larger ones. The geophysical survey identified the potential for varying alignments of the furrows, indicative of established open field systems. However, the results of the evaluation are insufficient to establish any dating to the phasing.
- 8.4. Pit 302 was backfilled with burnt material with the charred hazelnut shell and charcoal producing a radiocarbon date of 1043 - 1152±23 yr BP, placing the feature at the end of the late Anglo-Saxon / medieval period. No medieval remains were previously identified within the site; pit 302 likely relates to the medieval ridge and furrow are present to the south and north of the site.
- 8.5. Pit 7103, possibly a marl pit, is consistent with the agricultural activity identified on site, and was likely backfilled in the modern period, associated with the amalgamation of smaller fields on site.

9. CA PROJECT TEAM

- 9.1. Fieldwork was undertaken by Ralph Brown and Steffan Klemenic, assisted by Abigail Breen, Alex Foley and Angela Andrea Jimenez Arroyo. This report was written by Ralph Brown. The finds and biological evidence reports were written by Peter Banks and Emma Aitken, respectively. The report illustrations were prepared by Helena Munoz-Mojado. The project archive has been compiled and prepared for deposition by Molly Agnew-Henshaw. The project was managed for CA by Julian Newman.

10. REFERENCES

- BGS (British Geological Survey) 2022 *Geology of Britain Viewer*
<https://www.bgs.ac.uk/map-viewers/geology-of-britain-viewer/> Accessed 9
March 2022
- Bronk Ramsey, C. 2009 'Bayesian analysis of radiocarbon dates', *Radiocarbon* **51**
(1), 337–360
- Bronk Ramsey, C. 2020 *University of Oxford Radiocarbon Accelerator Unit
calibration programme OxCal v4.4.2*, <https://c14.arch.ox.ac.uk/oxcal.html>
- Cotswold Archaeology 2022 *Cotmoor Solar Farm, Halloughton, Nottinghamshire:
Written Scheme of Investigation for an Archaeological Evaluation*
- CiFA (Chartered institute for Archaeologists) 2014a (updated October 2020)
Standard and guidance for archaeological field evaluation. Reading
- CiFA (Chartered institute for Archaeologists) 2014b (updated October 2020)
*Standard and guidance for the creation, compilation, transfer and
deposition of archaeological archives*. Reading
- CiFA 2021 CiFA Finds reporting toolkit [https://www.archaeologists.net/reporting-
toolkit](https://www.archaeologists.net/reporting-toolkit) (accessed December 2021)
- Dunbar, E., Cook, G.T., Naysmith, P., Tripney, B.G., Xu, S. 2016 'AMS 14C dating
at the Scottish Universities Environmental Research Centre (SUERC)',
Radiocarbon **58** (1), 9–23
- HE (Historic England) 2015a. *Management of Research Projects in the Historic
Environment (MORPHE): Project Planning Note 3: Archaeological
Excavation*
- HE (Historic England) 2015b. *Management of Research Projects in the Historic
Environment (MORPHE): The MoRPHE Project Managers' Guide*
- Ministry of Housing, Communities & Local Government 2021 *National Planning
Policy Framework*
- MS (Magnitude Surveys), 2020 *Geophysical Survey Report of Cotmoor Solar Farm,
Unpublished*
- PCA (Pre-Construct Archaeology Ltd), 2020 *Cotmoor Solar Farm, Halloughton,
Nottinghamshire NG25 0QZ: Report on an Archaeological Evaluation,
Report Number: R14340*

PG (Pegasus Group), 2020 *Cotmoor Solar Farm, Nottinghamshire: Heritage Desk-Based Assessment*, Unpublished

Reimer, P., Austin, W., Bard, E., Bayliss, A., Blackwell, P., Bronk Ramsey, C., Butzin, M. Cheng, H., Edwards, R., Freidrich, M., Grootes, P., Guilderson, T., Hajdas, I., Heaton, T., Hogg, A., Hughen, K., Kromer, B., Manning, S., Muschleler, R., Palmer, J., Pearson, C., van der Plicht, J. Reimer, R., Richards, D., Scott, E., Southon, J., Turney, C., Wacker, L., Adolphi, f., Büntgen, U., Capano, M., Fahrni, S., Fogtmann-Schulz, A., Friedrich, R., Köhler, P., Kudsk, S., Miyake, F., Olsen, J., Reinig, F., Sakamoto, M., Sookdeo, A. and Talamo, S. 2020 'The IntCal20 Northern Hemisphere radiocarbon ago calibration curve (0–55 cal, kBP)', *Radiocarbon* **62 (4)**, 725–57

Stace, C. 1997 *New flora of the British Isles*, 2nd edition Cambridge: Cambridge University Press.

APPENDIX A: CONTEXT DESCRIPTIONS

Trench	Context	Type	Fill of	Interpretive Category	Comments	Length (m)	Width (m)	Depth (m)
1	100	Layer	100	Topsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.38
1	101	Layer	101	Natural	Firm mid pink brown clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
1	102	Cut		Ditch	NE-SW linear with straight moderate sides and a concave base	>1	0.63	0.19
1	103	Fill	102	Secondary Fill	Firm light orange brown silty clay	>1	0.63	0.19
2	200	Layer	200	Topsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.36
2	201	Layer	201	Natural	Firm mid pink brown clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
2	202	Cut		Plough Furrow	NE-SW irregular linear with shallow concave sides and an undulating base	>1	1.06	0.08
2	203	Fill	202	Secondary Fill	Firm light yellow brown silty clay with no inclusions	>1	1.06	0.08
3	300	Layer	300	Topsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1	>50	>1.8	0.36
3	301	Layer	301	Natural	Firm mid pink brown clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
3	302	Cut		Pit	Circular as seen with steep concave sides and a concave base	>0.5	1.06	0.27
3	303	Fill	302	Deliberate Backfill	Firm dark blue grey sandy silt with occasional angular stones and frequent charcoal	>0.5	1.06	0.27
4	400	Layer	400	Topsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.35
4	401	Layer	401	Natural	Firm mid pink brown clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
5	500	Layer	500	Topsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.37
5	501	Layer	501	Natural	Firm mid pink brown clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
6	600	Layer	600	Topsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.39
6	601	Layer	601	Natural	Firm mid pink brown clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
7	700	Layer	700	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.28
7	701	Layer	701	Natural	Firm mid pink brown with patches of grey blue sandy clay with moderate angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
8	800	Layer	800	Topsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.38
8	801	Layer	801	Natural	Firm mid pink brown clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
8	802	Layer	802	Layer	Headland deposit, firm light yellow brown clay silt with occasional small angular stones	>4.4	>1.8	0.26
9	900	Layer	900	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.29
9	901	Layer	901	Natural	Firm mid pink brown with patches of grey blue sandy clay with occasional angular sandstone inclusions 0.01-0.1m	>50	>1.8	-

9	902	Cut		Plough Furrow	NE-SW linear with straight shallow sides and a concave base.	>1	0.8	0.1
9	903	Fill	902	Secondary Fill	Firm light yellow brown silty clay with no inclusions	>1	0.8	0.1
10	1000	Layer	1000	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.32
10	1001	Layer	1001	Natural	Firm mid pink brown with patches of grey blue sandy clay with moderate angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
11	1100	Layer	1100	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.27
11	1101	Layer	1101	Natural	Firm mid pink brown with patches of grey blue sandy clay with occasional angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
12	1200	Layer	1200	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.27
12	1201	Layer	1201	Natural	Firm mid pink brown with patches of grey blue sandy clay with occasional angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
13	1300	Layer	1300	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.32
13	1301	Layer	1301	Natural	Firm mid pink brown with patches of grey blue sandy clay with occasional angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
13	1302	Cut		Ditch	N-S linear with moderate concave sides and a concave base	>1	0.51	0.1
13	1303	Fill	1302	Secondary Fill	Firm mid grey brown silty clay with occasional angular stones	>1	0.51	0.1
14	1400	Layer	1400	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.35
14	1401	Layer	1401	Natural	Firm mid pink brown with patches of grey blue sandy clay with occasional angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
15	1500	Layer	1500	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.3
15	1501	Layer	1501	Natural	Firm mid pink brown with patches of grey blue sandy clay with occasional angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
15	1502	Cut		Plough Furrow	E-W linear with shallow concave sides and a flat base	>1	1.08	0.05
15	1503	Fill	1502	Secondary Fill	Firm light yellow brown silty clay with no inclusions	>1	1.08	0.05
15	1504	Cut		Plough Furrow	E-W linear, Not excavated	>3	1	-
15	1505	Fill		Secondary Fill	Firm light yellow brown silty clay with no inclusions	>3	1	-
16	1600	Layer	1600	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.34
16	1601	Layer	1601	Natural	Firm mid pink brown with patches of grey blue sandy clay with occasional angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
16	1602	Cut		Plough Furrow	NE-SW linear with shallow concave sides and an undulating base	>1	1.85	0.09
16	1603	Fill	1602	Secondary Fill	Firm light yellow brown silty clay with no inclusions	>1	1.85	0.09
16	1604	Cut		Plough Furrow	NE-SW linear, not excavated	>3	2.5	-
16	1605	Fill		Secondary Fill	Firm light yellow brown silty clay with no inclusions	>3	2.5	-
16	1606	Cut		Plough Furrow	NE-SW linear, not excavated	>3	1.8	-

16	1607	Fill	1606	Secondary Fill	Firm light yellow brown silty clay with no inclusions	>3	1.8	-
16	1608	Cut		Plough Furrow	NE-SW linear, not excavated	>3	2	-
16	1609	Fill	1608	Secondary Fill	Firm light yellow brown silty clay with no inclusions	>3	2	-
17	1700	Layer	1700	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.3
17	1701	Layer	1701	Natural	Firm mid pink brown with patches of grey blue sandy clay with occasional angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
18	1800	Layer	1800	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.32
18	1801	Layer	1801	Colluvial Layer	Soft light orange brown sandy silt no inclusions	>50	>1.8	0.3
18	1802	Layer	1802	Natural	Firm mid pink brown with patches of grey blue sandy clay with occasional angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
19	1900	Layer	1900	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.3
19	1901	Layer	1901	Colluvial Layer	Soft light orange brown sandy silt no inclusions	>30	>1.8	0.3
19	1902	Layer	1902	Natural	Firm mid pink brown with patches of grey blue sandy clay with occasional angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
20	2000	Layer	2000	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.28
20	2001	Layer	2001	Colluvial Layer	Soft light orange brown sandy silt no inclusions	>23	>1.8	0.33
20	2002	Layer	2002	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
21	2100	Layer	2100	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.32
21	2101	Layer	2101	Natural	Firm mid pink brown with patches of grey blue sandy clay with occasional angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
22	2200	Layer	2200	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.3
22	2201	Layer	2201	Natural	Firm mid pink brown with patches of grey blue sandy clay with occasional angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
22	2202	Cut		Plough Furrow	N-S linear with shallow concave sides and a concave base	>1	0.87	0.1
22	2203	Fill	2202	Secondary Fill	Firm light yellow brown silty clay with no inclusions	>1	0.87	0.1
22	2204	Cut		Ditch	N-S linear with steep straight sides and base not seen. Land drain in base	>1	0.63	0.43
22	2205	Fill	2204	Deliberate BackFill	Firm mixed dark grey brown and pink brown sandy clay with frequent small charcoal inclusions	>1	0.63	0.43
23	2300	Layer	2300	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.33
23	2301	Layer	2301	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
23	2302	Cut		Plough Furrow	N-S linear with shallow concave sides and a concave base	>1	0.98	0.12
23	2303	Fill	2302	Secondary Fill	Firm light yellow brown silty clay with no inclusions	>1	0.98	0.12
23	2304	Cut		Plough Furrow	N-S linear, not excavated	>1.8	1.1	-
23	2305	Fill		Secondary Fill	Firm light yellow brown silty clay with no inclusions	>1.8	1.1	-

23	2306	Cut		Plough Furrow	N-S linear, not excavated	>1.8	1	-
23	2307	Fill	2306	Secondary Fill	Firm light yellow brown silty clay with no inclusions	>1.8	1	-
23	2308	Cut		Plough Furrow	N-S linear, not excavated	>1.8	0.9	-
23	2309	Fill	2308	Secondary Fill	Firm light yellow brown silty clay with no inclusions	>1.8	0.9	-
24	2400	Layer	2400	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.34
24	2401	Layer	2401	Natural	Firm mid pink brown with patches of grey blue sandy clay with occasional angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
25	2500	Layer	2500	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.31
25	2501	Layer	2501	Natural	Firm mid pink brown with patches of grey blue sandy clay with moderate angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
25	2502	Cut		Plough Furrow	N-S linear with shallow concave sides and a flat base	>3	0.75	0.06
25	2503	Fill	2502	Secondary Fill	Firm light yellow brown silty clay with no inclusions	>3	0.75	0.06
26	2600	Layer	2600	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.3
26	2601	Layer	2601	Natural	Firm mid pink brown with patches of grey blue sandy clay with moderate angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
27	2700	Layer	2700	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.3
27	2701	Layer	2701	Natural	Firm mid pink brown with patches of grey blue sandy clay with occasional angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
28	2800	Layer	2800	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.3
28	2801	Layer	2801	Natural	Firm mid pink brown with patches of grey blue sandy clay with moderate angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
29	2900	Layer	2900	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.35
29	2901	Layer	2901	Natural	Firm mid pink brown with patches of grey blue sandy clay with moderate angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
30	3000	Layer	3000	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.28
30	3001	Layer	3001	Natural	Firm mid pink brown with patches of grey blue sandy clay with moderate angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
31	3100	Layer	3100	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.3
31	3101	Layer	3101	Natural	Firm mid pink brown with patches of grey blue sandy clay with frequent angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
32	3200	Layer	3200	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.39
32	3201	Layer	3201	Natural	Firm mid pink brown with patches of grey blue sandy clay with frequent angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
33	3300	Layer	3300	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.35

33	3301	Layer	3301	Natural	Firm mid pink brown with patches of grey blue sandy clay with moderate angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
34	3400	Layer	3400	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.35
34	3401	Layer	3401	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
35	3500	Layer	3500	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.28
35	3501	Layer	3501	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
35	3502	Cut		Ditch	N-S linear with moderate convex west side and shallow convex east side. Concave base. Possible field boundary ditch due to alignment with large tree nearby	>1	0.97	0.24
35	3503	Fill	3502	Secondary Fill	Firm mid grey brown silty clay with rare small charcoal inclusions.	>1	0.32	0.15
35	3504	Fill	3502	Deliberate BackFill	Friable dark grey brown clay silt with moderate charcoal flecks	>1	0.97	0.13
36	3600	Layer	3600	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.3
36	3601	Layer	3601	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
37	3700	Layer	3700	Topsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.27
37	3701	Layer	3701	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
38	3800	Layer	3800	Topsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.25
38	3801	Layer	3801	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
39	3900	Layer	3900	Topsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.31
39	3901	Layer	3901	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
40	4000	Layer	4000	Topsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.3
40	4001	Layer	4001	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
41	4100	Layer	4100	Topsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.3
41	4101	Layer	4101	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
42	4200	Layer	4200	Topsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.35
42	4201	Layer	4201	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
43	4300	Layer	4300	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.3
43	4301	Layer	4301	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
44	4400	Layer	4400	Topsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.27

44	4401	Layer	4401	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
44	4402	Cut		Plough Furrow	NW-SE linear with shallow concave sides and a flat base	>1	1.6	0.12
44	4403	Fill	4402	Secondary Fill	Firm light yellow brown clay sand, occasionally angular stones.	>1	1.6	0.12
44	4404	Cut		Plough Furrow	NW-SE linear, not excavated	>1.8	1	-
44	4405	Fill	4404	Secondary Fill	Firm light yellow brown clay sand	>1.8	1	-
44	4406	Cut		Plough Furrow	NW-SE linear not excavated.	>1.8	1	-
44	4407	Fill	4406	Secondary Fill	Firm light yellow brown clay sand	>1.8	1	-
44	4408	Cut		Plough Furrow	NW-SE linear, not excavated.	>1.8	1	-
44	4409	Fill	4408	Secondary Fill	Firm light yellow brown clay sand	>1.8	1	-
45	4500	Layer	4500	Topsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.26
45	4501	Layer	4501	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
46	4600	Layer	4600	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.34
46	4601	Layer	4601	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
47	4700	Layer	4700	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.31
47	4701	Layer	4701	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
48	4800	Layer	4800	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.32
48	4801	Layer	4801	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
49	4900	Layer	4900	Topsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.32
49	4901	Layer	4901	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
50	5000	Layer	5000	Topsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.3
50	5001	Layer	5001	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
51	5100	Layer	5100	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.36
51	5101	Layer	5101	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
51	5102	Cut		Plough Furrow	NW-SE irregular linear with an undulating base	>1	1.1	0.08
51	5103	Fill	5102	Secondary Fill	Firm light yellow brown sandy clay with occasional small angular stones	>1	1.1	0.08
52	5200	Layer	5200	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.37
52	5201	Layer	5201	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
53	5300	Layer	5300	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.33
53	5301	Layer	5301	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-

53	5302	Cut		Plough Furrow	NW-SE linear with shallow concave sides and irregular base	>1	1.4	0.14
53	5303	Fill	5302	Secondary Fill	Firm mid yellow brown sandy clay	>1	1.4	0.14
53	5304	Cut		Plough Furrow	NW-SE linear, not excavated	>4	1.8	-
53	5305	Fill	5304	Secondary Fill	Firm mid yellow brown sandy clay	>4	1.8	-
54	5400	Layer	5400	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.38
54	5401	Layer	5401	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
55	5500	Layer	5500	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.34
55	5501	Layer	5501	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
56	5600	Layer	5600	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.3
56	5601	Layer	5601	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
57	5700	Layer	5700	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.35
57	5701	Layer	5701	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
57	5702	Cut		Plough Furrow	E-W linear, not excavated	>1	1.37	-
57	5703	Fill	5702	Secondary Fill	Firm mid yellow brown sandy clay	>1	1.37	-
57	5704	Cut		Natural Feature	Sub circular as seen with moderate concave sides and concave base. Likely root disturbance or burrowing	0.5	0.46	0.09
57	5705	Fill	5704	Secondary Fill	Friable dark blue grey clay silt	0.5	0.46	0.09
57	5706	Cut		Plough Furrow	E-W linear with shallow concave sides and a concave base	>1	1.52	0.15
57	5707	Fill	5706	Secondary Fill	Firm mid yellow brown sandy clay	>1	1.52	0.15
57	5708	Cut		Plough Furrow	E-W linear not excavated	>1.8	0.96	-
57	5709	Fill	5708	Secondary Fill	Firm mid yellow brown sandy clay	>1.8	0.96	-
57	5710	Cut		Plough Furrow	E-W linear not excavated	>1.8	1.1	-
57	5711	Fill	5710	Secondary Fill	Firm mid yellow brown sandy clay	>1.8	1.1	-
58	5800	Layer	5800	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.34
58	5801	Layer	5801	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
59	5900	Layer	5900	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.37
59	5901	Layer	5901	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
59	5902	Cut		Plough Furrow	NE-SW linear with shallow concave sides and a flat base	>1	1.82	0.16
59	5903	Fill	5902	Secondary Fill	Firm mid yellow brown sandy clay	>1	1.82	0.16
59	5904	Cut		Plough Furrow	NE-SW linear, not excavated	>1.8	1.52	-
59	5905	Fill	5904	Secondary Fill	Firm mid yellow brown sandy clay	>1.8	1.52	-
59	5906	Cut		Plough Furrow	NE-SW linear, not excavated	>1.8	1.53	-
59	5907	Fill	5906	Secondary Fill	Firm light yellow brown sandy clay	>1.8	1.53	-

59	5908	Cut		Plough Furrow	NE-SW linear, not excavated	>1.8	1.09	-
59	5909	Fill	5908	Secondary Fill	Firm mid yellow brown sandy clay	>1.8	1.09	-
59	5910	Cut		Plough Furrow	NE-SW linear, not excavated	>1.8	2.66	-
59	5911	Fill	5910	Secondary Fill	Firm mid yellow brown sandy clay	>1.8	2.66	-
60	6000	Layer	6000	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.4
60	6001	Layer	6001	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
61	6100	Layer	6100	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.4
61	6101	Layer	6101	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
62	6200	Layer	6200	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.3
62	6201	Layer	6201	Alluvial Layer	Soft light yellow brown clay sand with no inclusions	>50	>1.8	0.5
62	6202	Layer	6202	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
63	6300	Layer	6300	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.33
63	6301	Layer	6301	Alluvial Layer	Soft light yellow brown clay sand with no inclusions 40m long	>50	>1.8	0.48
63	6302	Layer	6302	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
64	6400	Layer	6400	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.33
64	6401	Layer	6401	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
65	6500	Layer	6500	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.28
65	6501	Layer	6501	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
65	6502	Cut		Ditch	NW-SE linear with steep convex NE side and moderate convex SW side. Concave base. Same alignment as current field boundaries and Furrows to the NW	>1	1.22	0.31
65	6503	Fill	6502	Secondary Fill	Firm mid yellow brown clay silt. Rare angular stone inclusions 0.01-0.06m. No finds recovered	>1	1.22	0.31
66	6600	Layer	6600	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.3
66	6601	Layer	6601	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
66	6602	Cut		Ditch	E-W linear with straight moderate sides and a concave base	>1	1.45	0.59
66	6603	Fill	6602	Primary Fill	Firm mixed mid red brown and mid brown grey clay silt with rare small stones.	>1	0.33	0.1
66	6605	Cut		Natural Feature	Too large to see shape in plan. Shallow concave side with undulating base. Natural hollow. No finds or datable evidence recovered.	>1	9.8	0.25
66	6606	Fill	6605	Secondary Fill	Firm light orange brown silty clay	>1	9.8	0.25
67	6700	Layer	6700	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.35
67	6701	Layer	6701	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-

67	6702	Cut		Palaeochannel	E-W linear with shallow convex sides and concave base. Identified on geophysics. No finds	>1.8	16.95	0.8
67	6703	Fill	6702	Secondary Fill	Firm, light yellow brown, sandy clay No inclusions.	>1.8	16.95	0.8
68	6800	Layer	6800	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.4
68	6801	Layer	6801	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
68	6802	Cut		Ditch	NE-SW linear with moderate concave sides and concave base	>1	0.62	0.17
68	6803	Fill	6802	Deliberate Backfill	Firm dark grey brown, sandy clay with rare small stones and charcoal flecks. No finds recovered.	>1	0.62	0.17
68	6804	Cut		Plough Furrow	E-W irregular linear, not excavated	>1.8	2.2	-
68	6805	Fill	6804	Secondary Fill	Firm light yellow brown clay sand	>1.8	2.2	-
68	6806	Cut		Plough Furrow	NE-SW linear with shallow concave sides and a concave base	>1	0.89	0.11
68	6807	Fill	6806	Secondary Fill	Firm light yellow brown clay sand	>1	0.89	0.11
68	6808	Cut		Plough Furrow	E-W irregular linear, not excavated	>1.8	0.7	-
68	6809	Fill	6808	Secondary Fill	Firm light yellow brown clay sand	>1.8	0.7	-
68	6810	Cut		Plough Furrow	E-W irregular linear, not excavated	>1.8	0.7	-
68	6811	Fill	6810	Secondary Fill	Firm light yellow brown clay sand	>1.8	0.7	-
68	6812	Cut		Plough Furrow	NE-SW irregular linear, not excavated	>1.8	1.3	-
68	6813	Fill	6812	Secondary Fill	Firm light yellow brown clay sand	>1.8	1.3	-
69	6900	Layer	6900	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.38
69	6901	Layer	6901	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
70	7000	Layer	7000	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.33
70	7001	Layer	7001	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
71	7100	Layer	7100	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.4
71	7101	Layer	7101	Alluvial Layer	Soft light yellow brown clay sand with no inclusions 36m long	>50	>1.8	0.5
71	7102	Layer	7102	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
71	7103	Cut		Pit	Too large to see shape in plan, straight moderate side, base not reached due to depth so base and BOS unknown.	>1.8	5.5	0.8
71	7104	Fill	7103	Deliberate BackFill	Firm mixed dark brown grey clay silt with patches of pink brown clay redeposited natural. Rare small stones and grit throughout. Deliberate backFill of material after pit use had ended, no finds or datable evidence recovered.	>1.8	2.64	0.46
71	7105	Fill	7103	Deliberate BackFill	Firm mixed mid grey brown grey clay silt with patches of pink brown clay redeposited natural. Rare small stones and grit throughout. Deliberate backFill of material after pit use had ended, no finds or datable evidence recovered.	>1.8	2.4	0.38

71	7106	Fill	7103	Deliberate BackFill	Mid brown grey silty clay, highly compact with very frequent small stones and rare small CBM throughout. Probably deliberate backFill of waste materials once pit use ended.	>1.8	5.5	0.36
72	7200	Layer	7200	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.28
72	7201	Layer	7201	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
73	7300	Layer	7300	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.3
73	7301	Layer	7301	Alluvial Layer	Soft light yellow brown clay sand with no inclusions base not reached in southern end.15m long	>50	>1.8	0.8
73	7302	Layer	7302	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
74	7400	Layer	7400	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.3
74	7401	Layer	7401	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
75	7500	Layer	7500	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1	>50	>1.8	0.35
75	7501	Layer	7501	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
76	7600	Layer	7600	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1	>50	>1.8	0.3
76	7601	Layer	7601	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
77	7700	Layer	7700	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.3
77	7701	Layer	7701	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
78	7800	Layer	7800	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.35
78	7801	Layer	7801	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-
79	7900	Layer	7900	Ploughsoil	Friable mid grey brown silty loam with rare sub angular stone inclusions 0.01-0.1m	>50	>1.8	0.28
79	7901	Layer	7901	Natural	Firm mid pink brown with patches of grey blue sandy clay with rare angular sandstone inclusions 0.01-0.1m	>50	>1.8	-

APPENDIX B: THE FINDS

Table 1: Find Concordance

Context	Class	Description	Fabric Code	Count	Weight (g)
1603	CBM		msc	1	18
7106	CBM	Brick	msc	1	112

APPENDIX C: THE PALAEOENVIRONMENTAL EVIDENCE

Table 2 Assessment of the palaeoenvironmental remains

Feature	Context	Sample	Vol (L)	Flot size (ml)	Roots %	Grain	Chaff	Cereal Notes	Charred Other	Charred Other Notes	Charcoal > 4/2mm	Other
Trench 3												
Pit 302	303	4	18	280	15	-	-	-	*	<i>Corylus avellana</i>	****/*	-
Trench 68												
Ditch 6802	6803	2	19	18	98	-	-	-	*	<i>Avena/Bromus</i>	*/*	-
Trench 71												
Pit 7103	7104	1	20	2	90	*	-	indet grain	-	-	*/*	-

Key: * = 1–4 items; ** = 4–20 items; *** = 21–49 items; **** = 50–99 items; ***** = >100 items

APPENDIX D: RADIOCARBON (C14) DATING

SUERC, summarised by Emma Aitken

Radiocarbon dating was undertaken in order to confirm the date of pit 302 from Trench 3. The samples were analysed during August 2022 at Scottish Universities Environmental Research Centre (SUERC), Rankine Avenue, Scottish Enterprise Technology Park, East Kilbride, Glasgow, G75 0QF, Scotland. The methodology employed by SUERC Radiocarbon Laboratory is outlined in Dunbar *et al.* (2016).

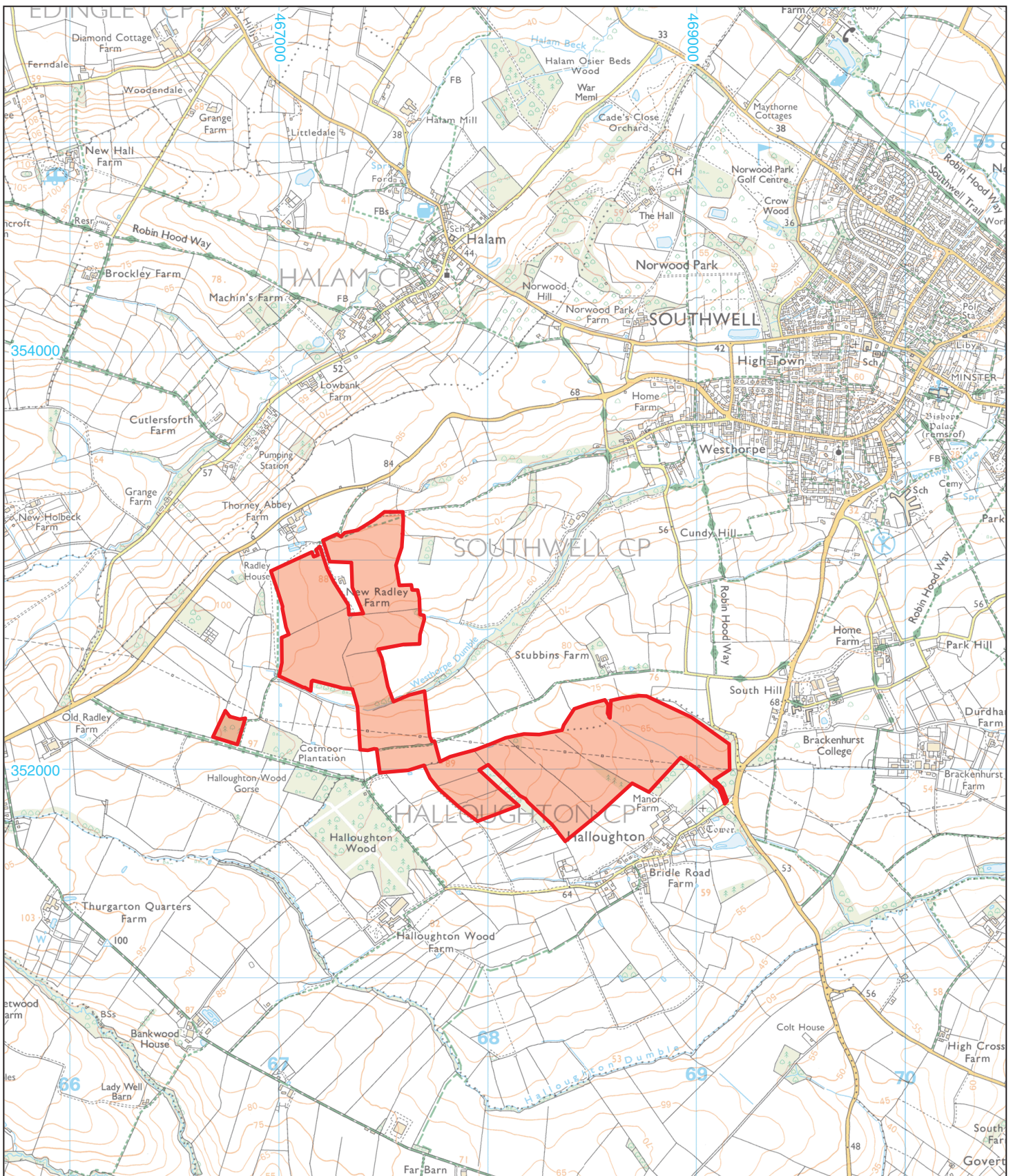
The uncalibrated dates are conventional radiocarbon ages. The radiocarbon ages were calibrated using the University of Oxford Radiocarbon Accelerator Unit calibration programme OxCal v4.4.2 (Bronk Ramsey 2009, Bronk Ramsey 2020) using the IntCal20 curve (Reimer *et al.* 2020).

Feature	Lab No.	Material	$\delta^{13}\text{C}$	Radiocarbon age	Calibrated radiocarbon age 95.4% probability	Calibrated radiocarbon age 68.3% probability
Context 303 Pit 302	SUERC-105597	Charred plant remains: Hazelnut shell fragment (<i>Corylus avellana</i>)	-26.7‰	1043 ± 27 yr BP	899–919 cal. AD (5.1%) 959–966 cal. AD (1.0%) 972–1035 cal. AD (89.3%)	993–1023 cal. AD (68.3%)
Context 303 Pit 302	SUERC-105598	Charcoal: Oak sapwood, 2 ring fragment (<i>Quercus</i>)	-25.5‰	1152 ± 27 yr BP	773–789 cal. AD (8.2%) 824–979 cal. AD (87.2%)	776–785 cal. AD (5.6%) 834–847 cal. AD (6.5%) 876–900 cal. AD (18.0%) 917–973 cal. AD (38.1%)

APPENDIX E: OASIS REPORT FORM

PROJECT DETAILS	
Project name	Cotmoor Solar Farm, Halloughton, Nottinghamshire
Short description	<p>In April and May 2022, Cotswold Archaeology carried out an archaeological evaluation at Cotmoor Solar Farm, Halloughton, Nottinghamshire. The evaluation, comprising the excavation of 79 trenches, was carried out in accordance with Conditions 21, 22 and 23 of planning application ref: 20/01242/FULM; APP/B3030/W/21/3279533. The archaeological background of the site indicated a low potential for remains other than post-medieval agricultural activity.</p> <p>The geophysical survey indicated a low potential for the presence of archaeological remains, with the exception of those relating to agricultural activity. These remains are likely to represent evidence of a well-established medieval open field system and later post-medieval agricultural activity. However, the limited results of the evaluation are insufficient to establish any phasing to the furrows due to the extensive modern ploughing truncating the furrow bases which were not cut into the natural substrate.</p> <p>The archaeological remains recorded exclusively relate to agricultural practice during the medieval/ post-medieval and modern periods. Seven ditches were identified relating to former field boundaries associated with the agricultural landscape. Two ditches replicate the alignment of furrows indicated by the geophysical survey, the remaining five respecting existing field boundaries or correlating with ditches on historic mapping from 1884. Several ditches were deliberately backfilled, likely associated with modern amalgamation of smaller fields into larger ones. Several ditches were deliberately backfilled, likely associated with modern amalgamation of smaller fields into larger ones.</p> <p>Two pits were recorded associated with the agricultural activity on site. A pit in Trench 3 was backfilled with burnt material which produced a radiocarbon date of 1043 - 1152±23 yr BP, placing the feature in the late Anglo-Saxon / medieval period. No medieval remains were previously identified within the site. A large pit was revealed in Trench 71, possibly a marl pit, associated with the agricultural activity.</p>
Project dates	05/04/22 – 04/05/22
Project type	Archaeological Evaluation
Previous work	Heritage Desk-Based Assessment (Pegasus Group 2020~) Archaeological evaluation (PCA 2020)
Future work	Unknown
PROJECT LOCATION	
Site location	Cotmoor Solar Farm, Halloughton, Nottinghamshire
Study area (m ² /ha)	105ha
Site co-ordinates	467994 352085
PROJECT CREATORS	
Name of organisation	Cotswold Archaeology
Project brief originator	none
Project design (WSI) originator	Cotswold Archaeology
Project Manager	Julian Newman
Project Supervisor	Ralph Brown
MONUMENT TYPE	
none	
SIGNIFICANT FINDS	
none	
PROJECT ARCHIVES	
Intended final location of archive (museum/Accession no.)	Content (e.g. pottery, animal bone etc)

Physical	Newark Museum	CBM
Paper	Newark Museum	Context sheets, Trench Sheets, report
Digital	ADS	Database, digital photos report
BIBLIOGRAPHY		
Cotswold Archaeology 2022 <i>Cotmoor Solar Farm, Halloughton, Nottinghamshire: Archaeological Evaluation</i> CA typescript report MK0682_1		



 Site boundary



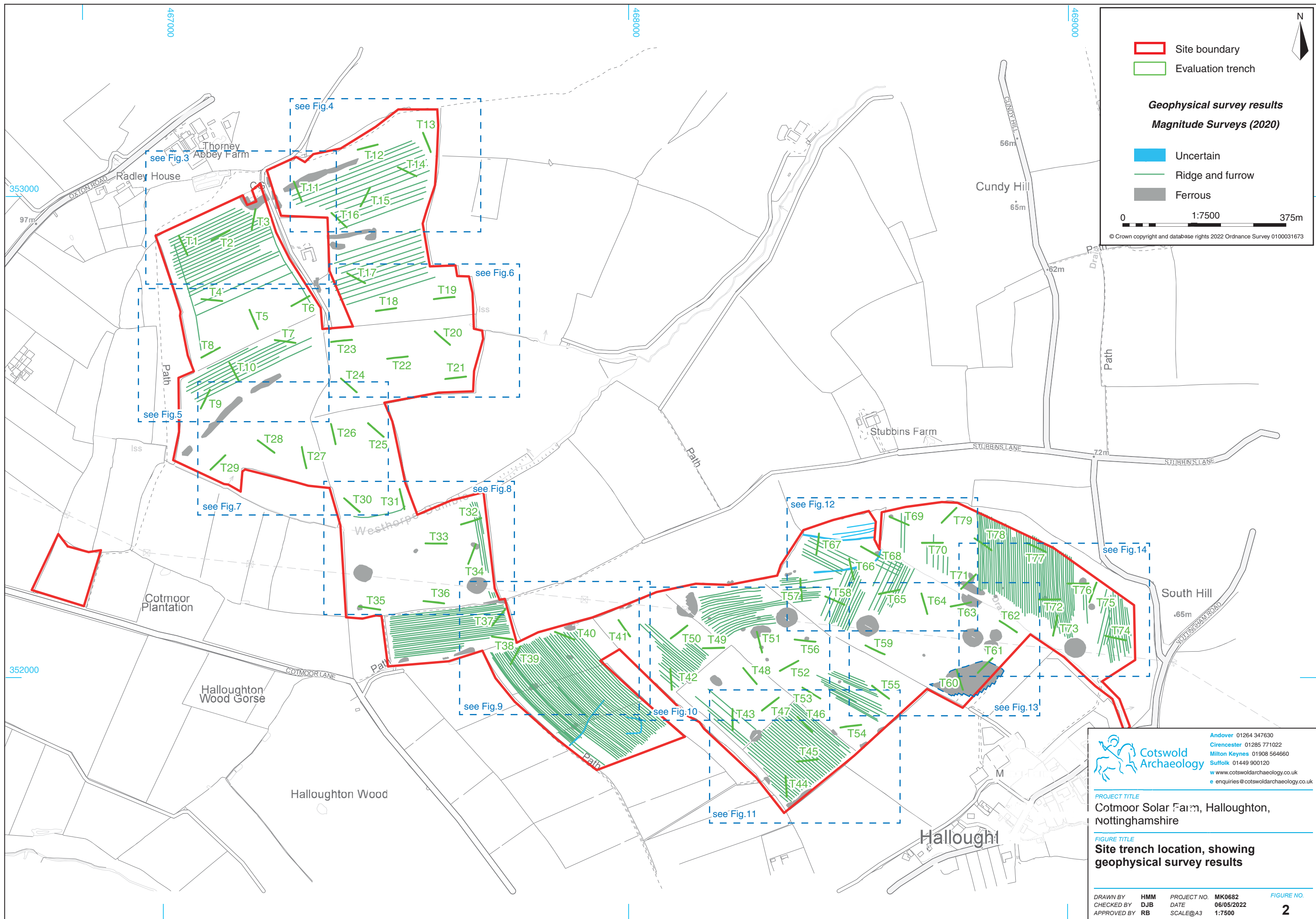
Andover 01264 347630
 Cirencester 01285 771022
 Milton Keynes 01908 564660
 Suffolk 01449 900120
www.cotswoldarchaeology.co.uk
enquiries@cotswoldarchaeology.co.uk

PROJECT TITLE
 Cotmoor Solar Farm, Hallowthorpe,
 Nottinghamshire

FIGURE TITLE
 Site location plan

DRAWN BY	HMM	PROJECT NO.	MK0K0682	FIGURE NO.
CHECKED BY	DJB	DATE	06/05/2022	1
APPROVED BY	RB	SCALE@A4	1:25,000	

© Crown copyright and database rights 2022
Ordnance Survey 0100031673



Geophysical survey results
Magnitude Surveys (2020)

- Site boundary
- Evaluation trench

Geophysical survey results
Magnitude Surveys (2020)

- Uncertain
- Ridge and furrow
- Ferrous

0 1:7500 375m

© Crown copyright and database rights 2022 Ordnance Survey 0100031673

Cotswold Archaeology

Andover 01264 347630
 Cirencester 01285 771022
 Milton Keynes 01908 564660
 Suffolk 01449 900120
 www.cotswoldarchaeology.co.uk
 enquiries@cotswoldarchaeology.co.uk

PROJECT TITLE
 Cotmoor Solar Farm, Halloughton,
 Nottinghamshire

FIGURE TITLE
 Site trench location, showing
 geophysical survey results

DRAWN BY HMM	PROJECT NO. MK0682	FIGURE NO.
CHECKED BY DJB	DATE 06/05/2022	2
APPROVED BY RB	SCALE@A3 1:7500	

Abbey Farm

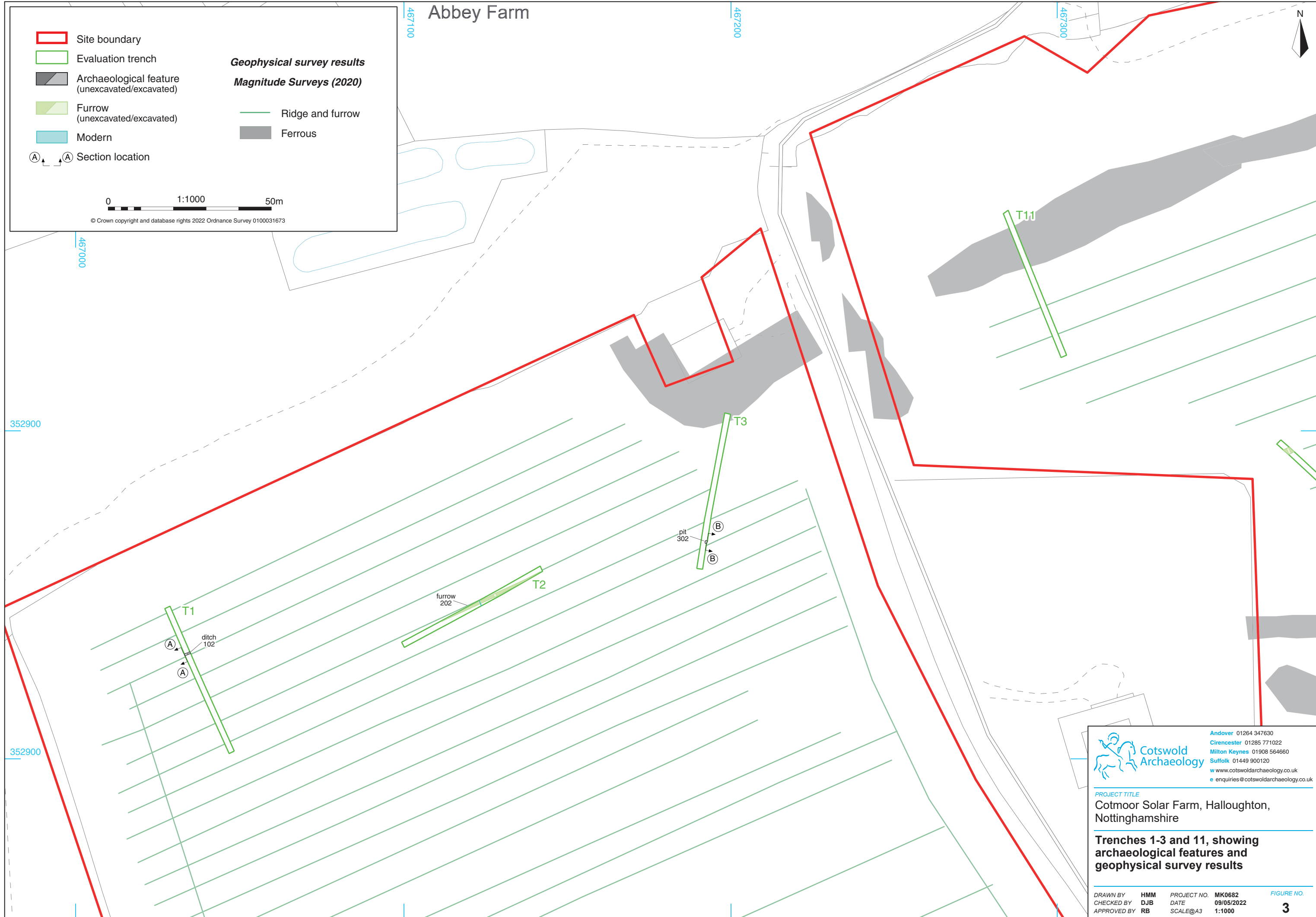
- Site boundary
- Evaluation trench
- Archaeological feature (unexcavated/excavated)
- Furrow (unexcavated/excavated)
- Modern
- Ⓐ Ⓐ Section location

Geophysical survey results
Magnitude Surveys (2020)

- Ridge and furrow
- Ferrous

0 1:1000 50m

© Crown copyright and database rights 2022 Ordnance Survey 0100031673



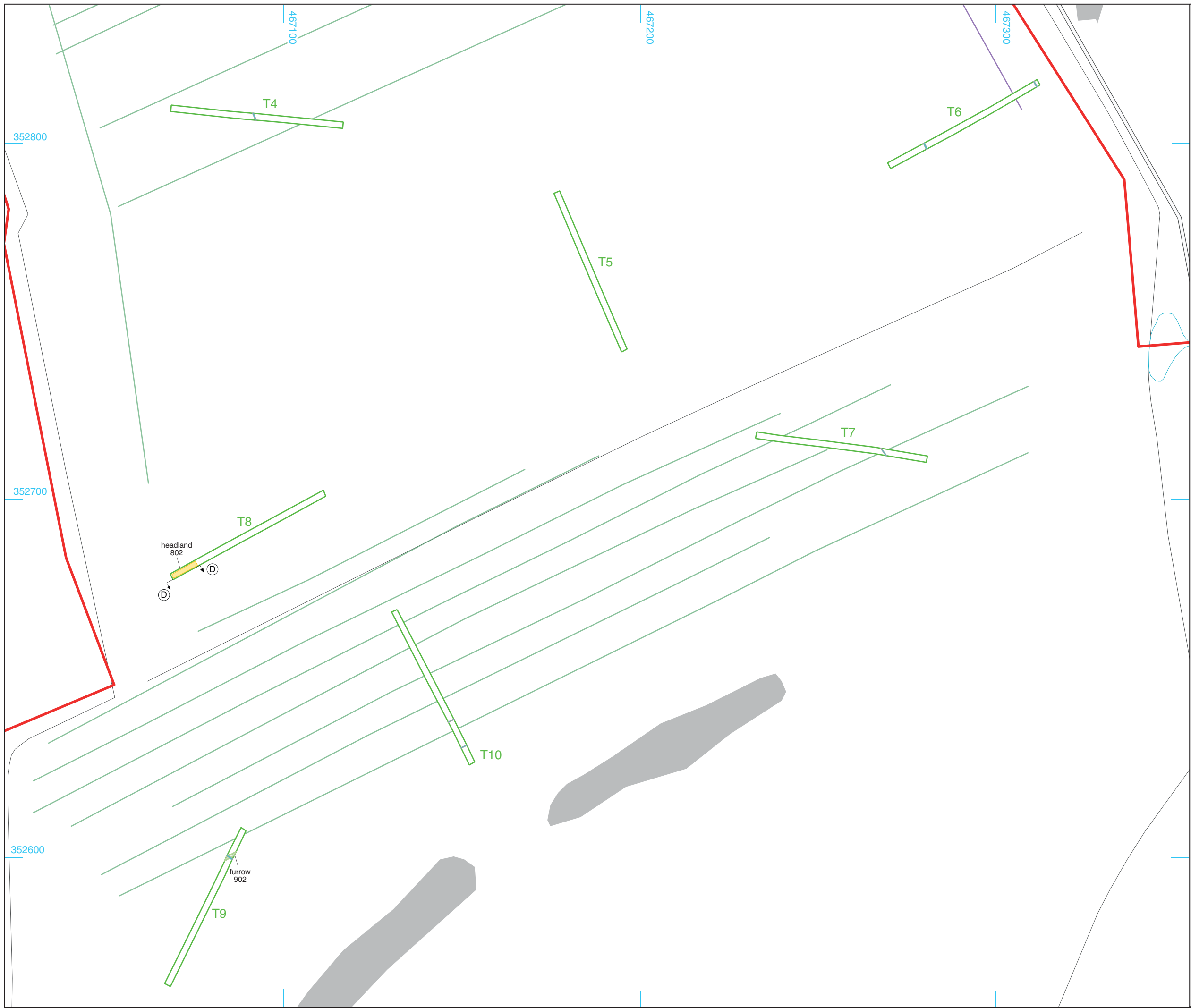
 **Cotswold Archaeology**

Andover 01264 347630
 Cirencester 01285 771022
 Milton Keynes 01908 564660
 Suffolk 01449 900120
 www.cotswoldarchaeology.co.uk
 enquiries@cotswoldarchaeology.co.uk

PROJECT TITLE
 Cotmoor Solar Farm, Halloughton,
 Nottinghamshire

**Trenches 1-3 and 11, showing
 archaeological features and
 geophysical survey results**

<small>DRAWN BY</small> HMM	<small>PROJECT NO.</small> MK0682	<small>FIGURE NO.</small> 3
<small>CHECKED BY</small> DJB	<small>DATE</small> 09/05/2022	
<small>APPROVED BY</small> RB	<small>SCALE@A3</small> 1:1000	



- Site boundary
- Evaluation trench
- Deposit
- Furrow (unexcavated/excavated)
- Modern
- A A Section location

Geophysical survey results
Magnitude Surveys (2020)

- Ridge and furrow
- Ferrous



© Crown copyright and database rights 2022 Ordnance Survey 0100031673

Andover 01264 347630
Cirencester 01285 771022
Milton Keynes 01908 564660
Suffolk 01449 900120
www.cotswoldarchaeology.co.uk
enquiries@cotswoldarchaeology.co.uk

PROJECT TITLE
 Cotmoor Solar Farm, Halloughton,
 Nottinghamshire

FIGURE TITLE
**Trenches 4-10, showing
 archaeological features and
 geophysical survey results**

<small>DRAWN BY</small> HMM	<small>PROJECT NO.</small> MK0682	<small>FIGURE NO.</small> 4
<small>CHECKED BY</small> DJB	<small>DATE</small> 09/05/2022	
<small>APPROVED BY</small> RB	<small>SCALE@A3</small> 1:1000	



- Site boundary
- Evaluation trench
- Archaeological feature (unexcavated/excavated)
- Furrow (unexcavated/excavated)
- Modern
- Section location

Geophysical survey results
Magnitude Surveys (2020)

- Ridge and furrow
- Ferrous



© Crown copyright and database rights 2022 Ordnance Survey 0100031673

Cotswold Archaeology
 Andover 01264 347630
 Cirencester 01285 771022
 Milton Keynes 01908 564660
 Suffolk 01449 900120
 www.cotswoldarchaeology.co.uk
 enquiries@cotswoldarchaeology.co.uk

PROJECT TITLE
 Cotmoor Solar Farm, Halloughton,
 Nottinghamshire

FIGURE TITLE
**Trenches 11-16, showing
 archaeological features and
 geophysical survey results**

<small>DRAWN BY</small> HMM	<small>PROJECT NO.</small> MK0682	<small>FIGURE NO.</small> 5
<small>CHECKED BY</small> DJB	<small>DATE</small> 09/05/2022	
<small>APPROVED BY</small> RB	<small>SCALE@A3</small> 1:1000	



- Site boundary
- Evaluation trench
- Archaeological feature (unexcavated/excavated)
- Furrow (unexcavated/excavated)
- Modern
- A Section location

Geophysical survey results
Magnitude Surveys (2020)

— Ridge and furrow



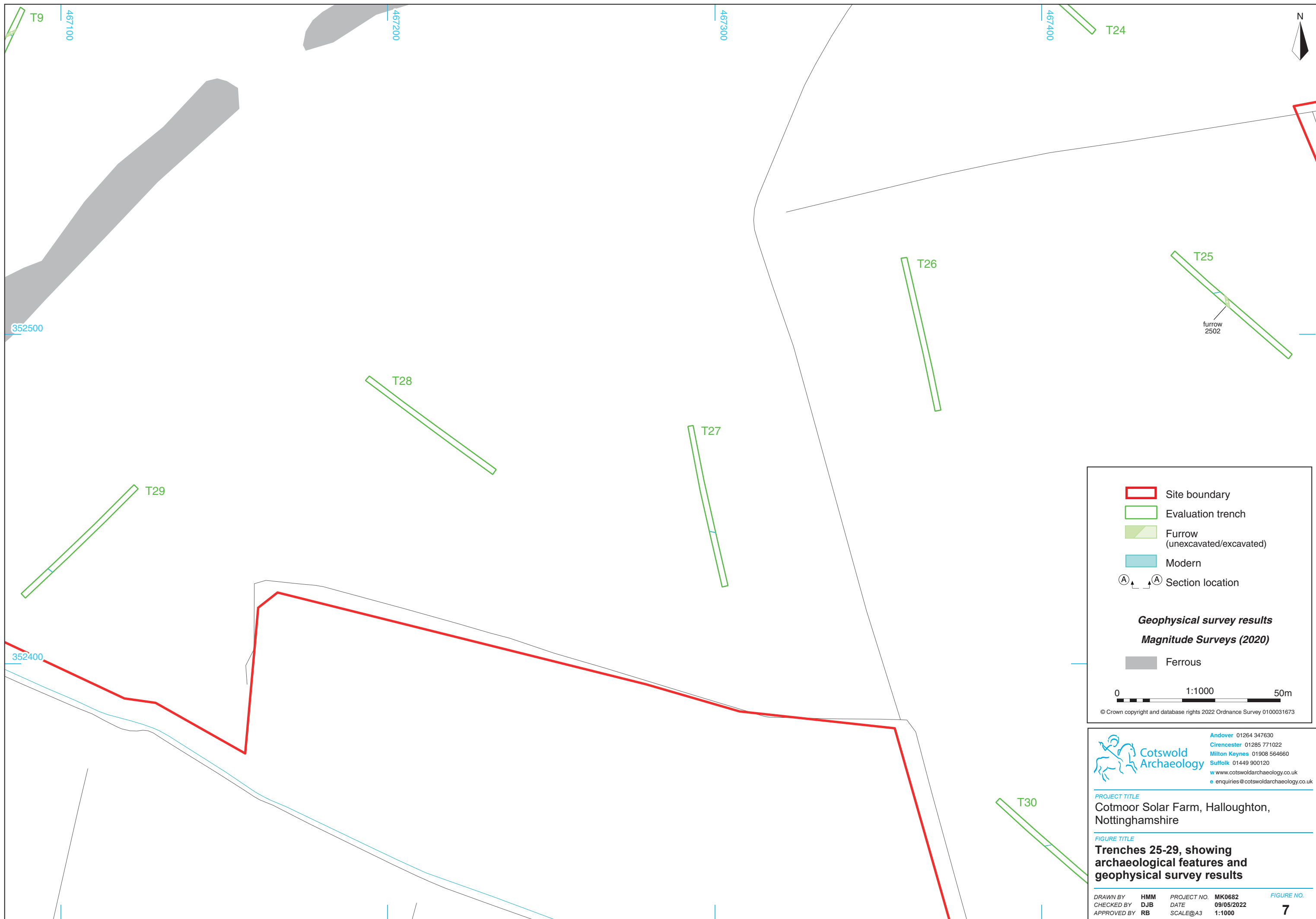
© Crown copyright and database rights 2022 Ordnance Survey 0100031673






Andover 01264 347630
Cirencester 01285 771022
Milton Keynes 01908 564660
Suffolk 01449 900120
www.cotswoldarchaeology.co.uk
enquiries@cotswoldarchaeology.co.uk

PROJECT TITLE
Cotmoor Solar Farm, Halloughton,
Nottinghamshire


FIGURE TITLE
**Trenches 17 and 24, showing
archaeological features and
geophysical survey results**

<small>DRAWN BY</small> HMM	<small>PROJECT NO.</small> MK0682	<small>FIGURE NO.</small>
<small>CHECKED BY</small> DJB	<small>DATE</small> 09/05/2022	6
<small>APPROVED BY</small> RB	<small>SCALE@A3</small> 1:1000	



-  Site boundary
-  Evaluation trench
-  Furrow (unexcavated/excavated)
-  Modern
-  Section location

Geophysical survey results
Magnitude Surveys (2020)

-  Ferrous

0 1:1000 50m

© Crown copyright and database rights 2022 Ordnance Survey 0100031673

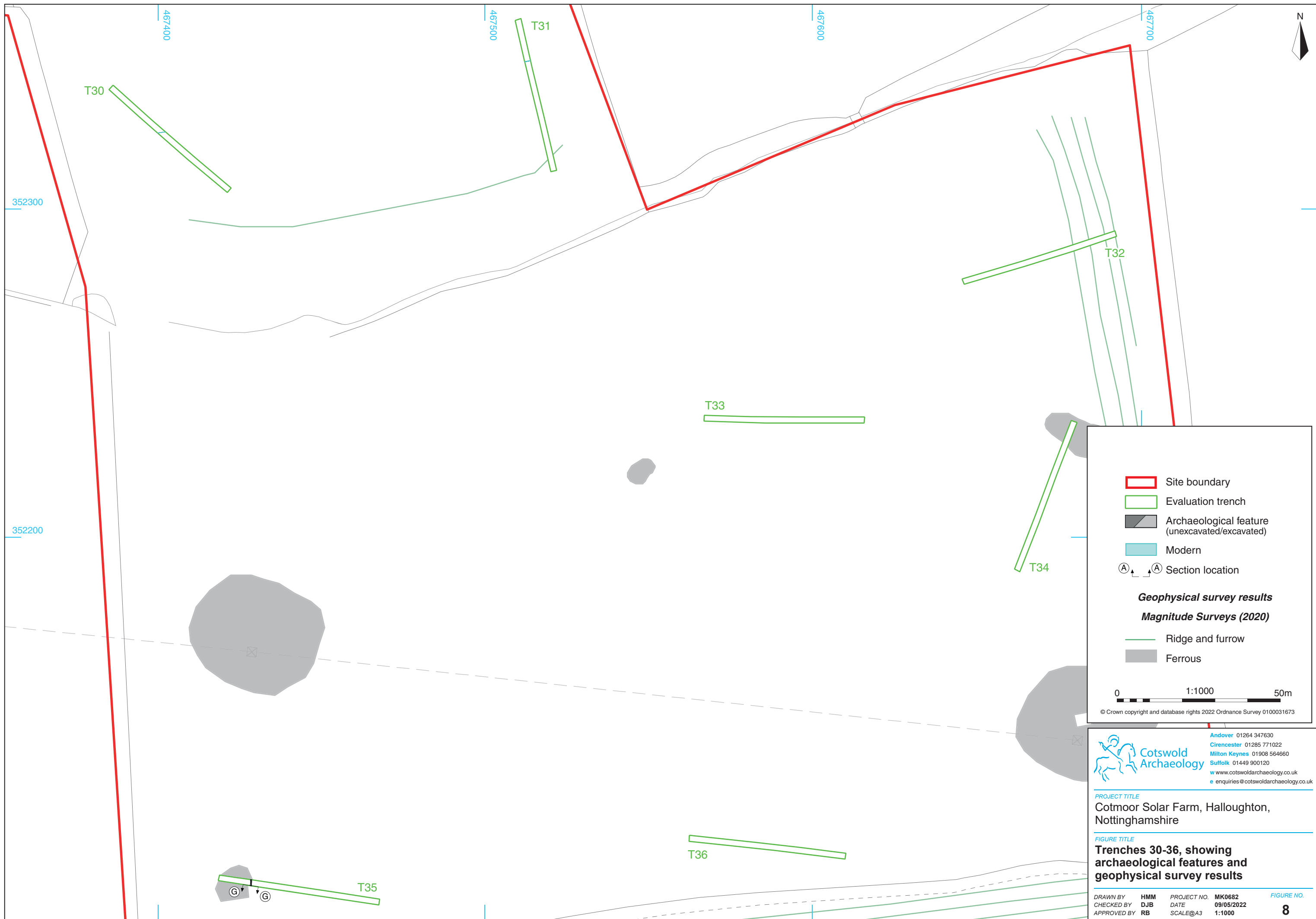


Andover 01264 347630
 Cirencester 01285 771022
 Milton Keynes 01908 564660
 Suffolk 01449 900120
www.cotswoldarchaeology.co.uk
enquiries@cotswoldarchaeology.co.uk

PROJECT TITLE
 Cotmoor Solar Farm, Halloughton,
 Nottinghamshire

FIGURE TITLE
**Trenches 25-29, showing
 archaeological features and
 geophysical survey results**

<small>DRAWN BY</small> HMM	<small>PROJECT NO.</small> MK0682	<small>FIGURE NO.</small> 7
<small>CHECKED BY</small> DJB	<small>DATE</small> 09/05/2022	
<small>APPROVED BY</small> RB	<small>SCALE@A3</small> 1:1000	



Site boundary
 Evaluation trench
 Archaeological feature (unexcavated/excavated)
 Modern
A A Section location

Geophysical survey results
Magnitude Surveys (2020)

Ridge and furrow
 Ferrous

0 1:1000 50m

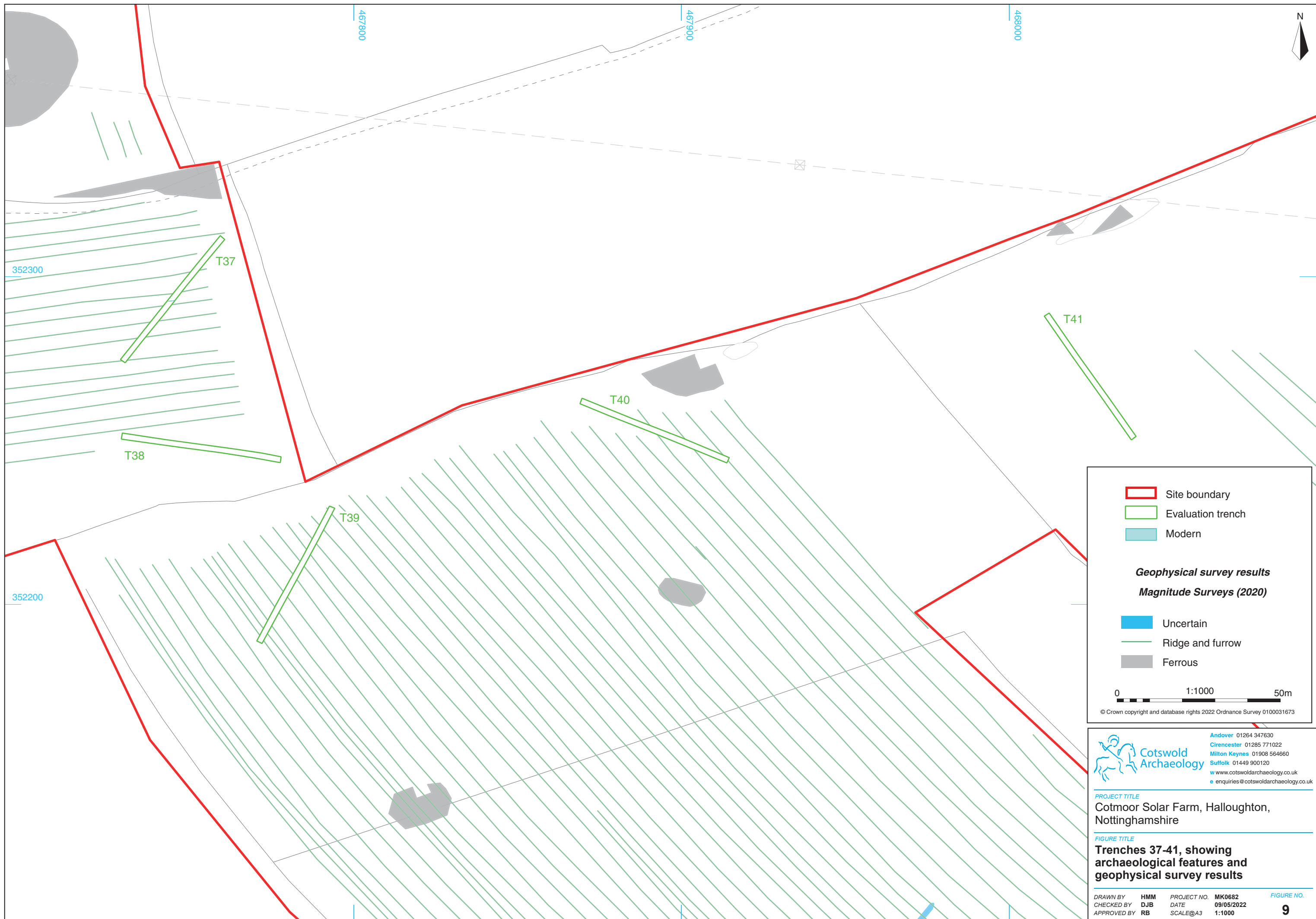
© Crown copyright and database rights 2022 Ordnance Survey 0100031673

Andover 01264 347630
 Cirencester 01285 771022
 Milton Keynes 01908 564660
 Suffolk 01449 900120
www.cotswoldarchaeology.co.uk
enquiries@cotswoldarchaeology.co.uk

PROJECT TITLE
 Cotmoor Solar Farm, Halloughton,
 Nottinghamshire

FIGURE TITLE
**Trenches 30-36, showing
 archaeological features and
 geophysical survey results**

<small>DRAWN BY</small> HMM	<small>PROJECT NO.</small> MK0682	<small>FIGURE NO.</small> 8
<small>CHECKED BY</small> DJB	<small>DATE</small> 09/05/2022	
<small>APPROVED BY</small> RB	<small>SCALE@A3</small> 1:1000	



Site boundary
 Evaluation trench
 Modern

Geophysical survey results
Magnitude Surveys (2020)

Uncertain
 Ridge and furrow
 Ferrous

0 1:1000 50m

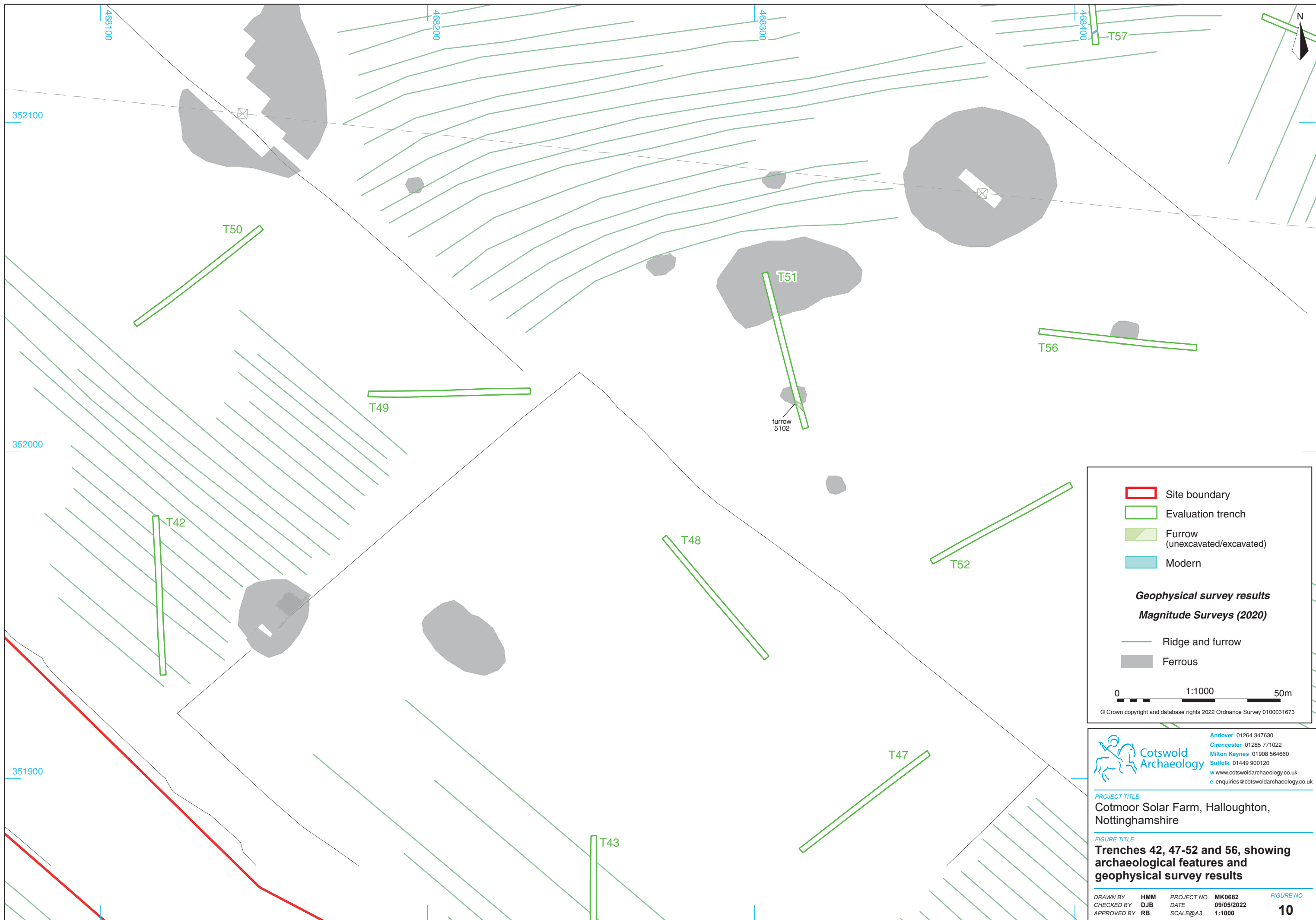
© Crown copyright and database rights 2022 Ordnance Survey 0100031673

Cotswold Archaeology
 Andover 01264 347630
 Cirencester 01285 771022
 Milton Keynes 01908 564660
 Suffolk 01449 900120
www.cotswoldarchaeology.co.uk
enquiries@cotswoldarchaeology.co.uk

PROJECT TITLE
 Cotmoor Solar Farm, Halloughton,
 Nottinghamshire

FIGURE TITLE
**Trenches 37-41, showing
 archaeological features and
 geophysical survey results**

<small>DRAWN BY</small> HMM	<small>PROJECT NO.</small> MK0682	<small>FIGURE NO.</small>
<small>CHECKED BY</small> DJB	<small>DATE</small> 09/05/2022	9
<small>APPROVED BY</small> RB	<small>SCALE@A3</small> 1:1000	



Site boundary
 Evaluation trench
 Furrow (unexcavated/excavated)
 Modern

Geophysical survey results
Magnitude Surveys (2020)

Ridge and furrow
 Ferrous

0 1:1000 50m

© Crown copyright and database rights 2022 Ordnance Survey 0100031673

Andover 01264 347630
 Cirencester 01285 771022
 Milton Keynes 01908 564660
 Suffolk 01449 900120
 www.cotswoldarchaeology.co.uk
 enquiries@cotswoldarchaeology.co.uk

PROJECT TITLE
 Cotmoor Solar Farm, Halloughton,
 Nottinghamshire

FIGURE TITLE
**Trenches 42, 47-52 and 56, showing
 archaeological features and
 geophysical survey results**

<small>DRAWN BY</small> HMM	<small>PROJECT NO.</small> MK0682	<small>FIGURE NO.</small> 10
<small>CHECKED BY</small> DJB	<small>DATE</small> 09/05/2022	
<small>APPROVED BY</small> RB	<small>SCALE</small> @A3 1:1000	



Site boundary
 Evaluation trench
 Furrow (unexcavated/excavated)
 Modern

Geophysical survey results
Magnitude Surveys (2020)

Ridge and furrow
 Ferrous

0 1:1000 50m

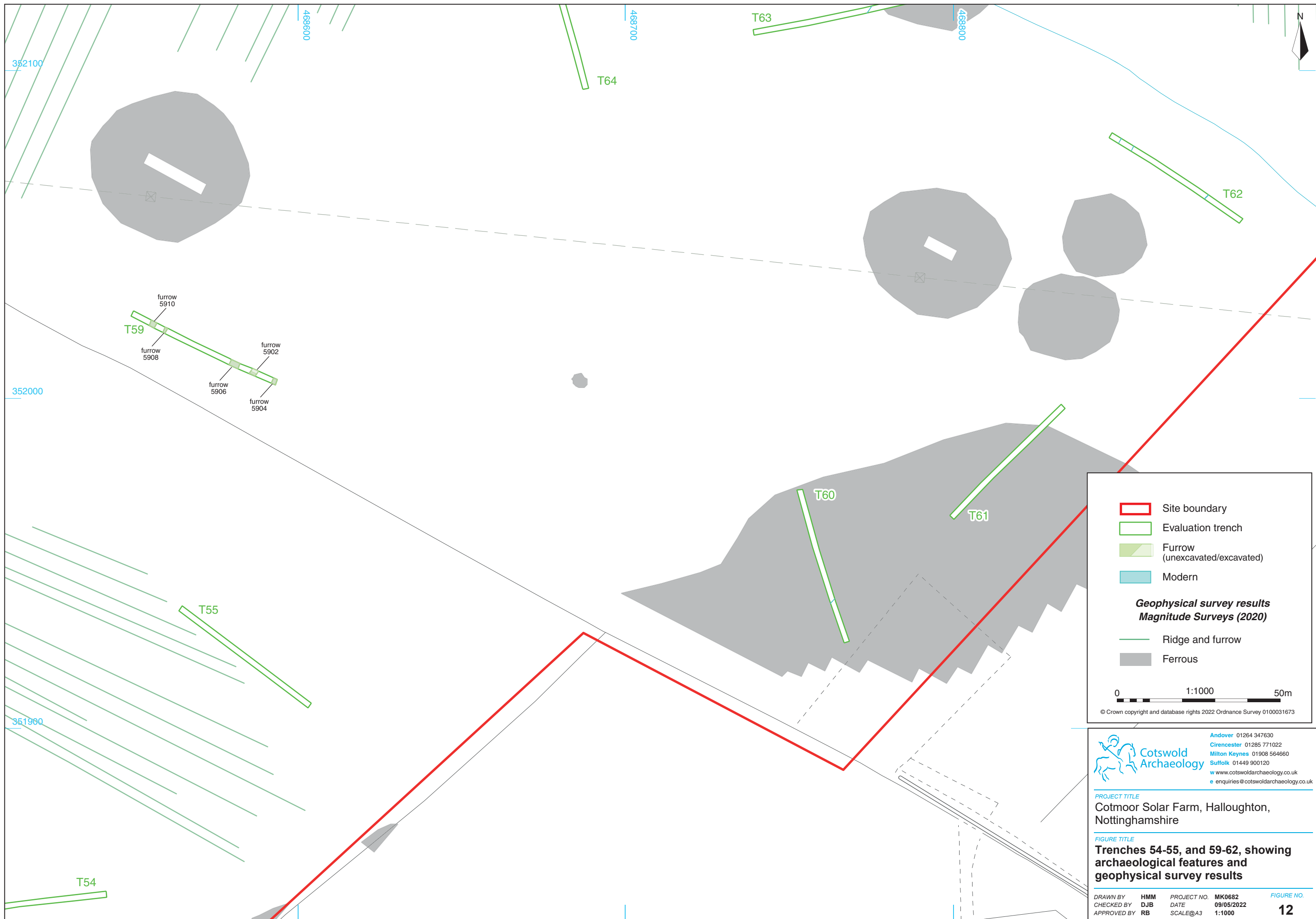
© Crown copyright and database rights 2022 Ordnance Survey 0100031673

Cotswold Archaeology
 Andover 01264 347630
 Cirencester 01285 771022
 Milton Keynes 01908 564660
 Suffolk 01449 900120
www.cotswoldarchaeology.co.uk
enquiries@cotswoldarchaeology.co.uk

PROJECT TITLE
 Cotmoor Solar Farm, Halloughton, Nottinghamshire

FIGURE TITLE
Trenches 43-47, and 53-54, showing archaeological features and geophysical survey results

<small>DRAWN BY</small> HMM	<small>PROJECT NO.</small> MK0682	<small>FIGURE NO.</small> 11
<small>CHECKED BY</small> DJB	<small>DATE</small> 09/05/2022	
<small>APPROVED BY</small> RB	<small>SCALE@A3</small> 1:1000	



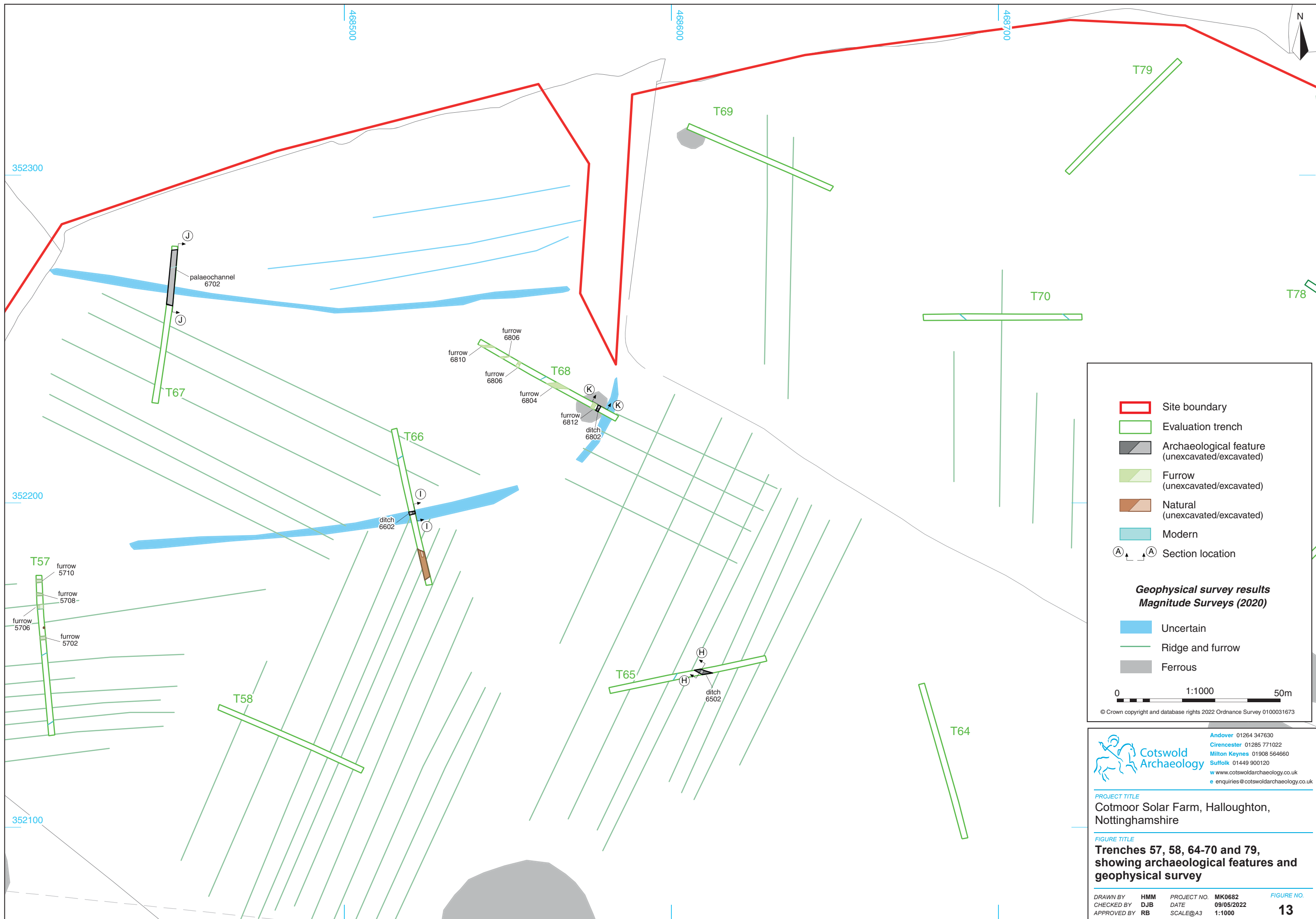
▭ Site boundary
▭ Evaluation trench
▭ Furrow (unexcavated/excavated)
▭ Modern
Geophysical survey results
Magnitude Surveys (2020)
— Ridge and furrow
▭ Ferrous

0 1:1000 50m
© Crown copyright and database rights 2022 Ordnance Survey 0100031673


 Cotswold Archaeology
 Andover 01264 347630
 Cirencester 01285 771022
 Milton Keynes 01908 564660
 Suffolk 01449 900120
 www.cotswoldarchaeology.co.uk
 enquiries@cotswoldarchaeology.co.uk

PROJECT TITLE
 Cotmoor Solar Farm, Halloughton,
 Nottinghamshire
FIGURE TITLE
**Trenches 54-55, and 59-62, showing
 archaeological features and
 geophysical survey results**

<small>DRAWN BY</small> HMM	<small>PROJECT NO.</small> MK0682	<small>FIGURE NO.</small>
<small>CHECKED BY</small> DJB	<small>DATE</small> 09/05/2022	12
<small>APPROVED BY</small> RB	<small>SCALE</small> @A3 1:1000	



Legend

- Site boundary
- Evaluation trench
- Archaeological feature (unexcavated/excavated)
- Furrow (unexcavated/excavated)
- Natural (unexcavated/excavated)
- Modern
- A A Section location

**Geophysical survey results
Magnitude Surveys (2020)**

- Uncertain
- Ridge and furrow
- Ferrous

0 1:1000 50m

© Crown copyright and database rights 2022 Ordnance Survey 0100031673

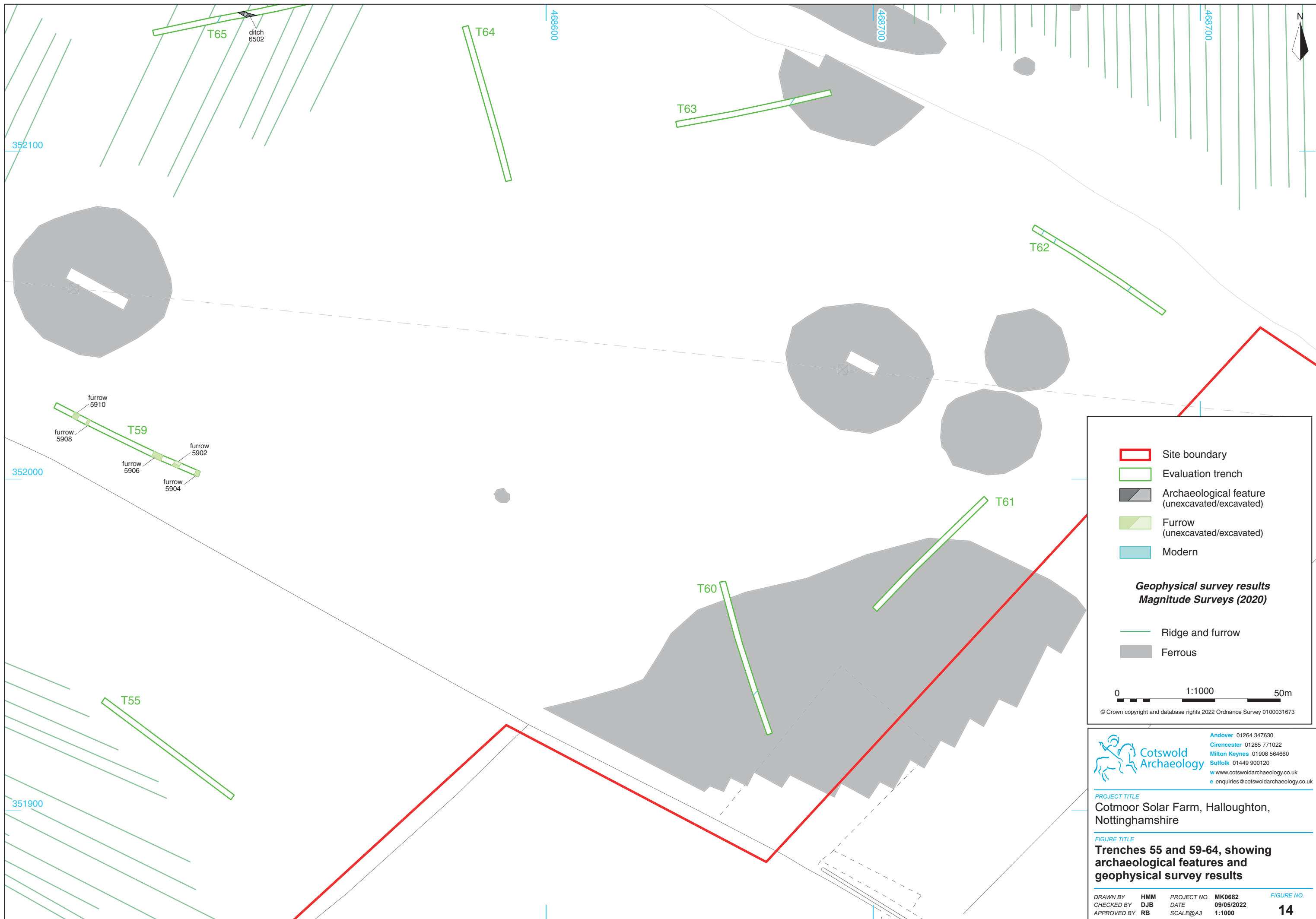
Cotswold Archaeology

Andover 01264 347630
 Cirencester 01285 771022
 Milton Keynes 01908 564660
 Suffolk 01449 900120
 www.cotswoldarchaeology.co.uk
 enquiries@cotswoldarchaeology.co.uk

PROJECT TITLE
 Cotmoor Solar Farm, Halloughton,
 Nottinghamshire

FIGURE TITLE
 Trenches 57, 58, 64-70 and 79,
 showing archaeological features and
 geophysical survey

DRAWN BY HMM PROJECT NO. MK0682 FIGURE NO.
 CHECKED BY DJB DATE 09/05/2022
 APPROVED BY RB SCALE@A3 1:1000 13



Legend

- Site boundary
- Evaluation trench
- Archaeological feature (unexcavated/excavated)
- Furrow (unexcavated/excavated)
- Modern

**Geophysical survey results
Magnitude Surveys (2020)**

- Ridge and furrow
- Ferrous

0 1:1000 50m

© Crown copyright and database rights 2022 Ordnance Survey 0100031673

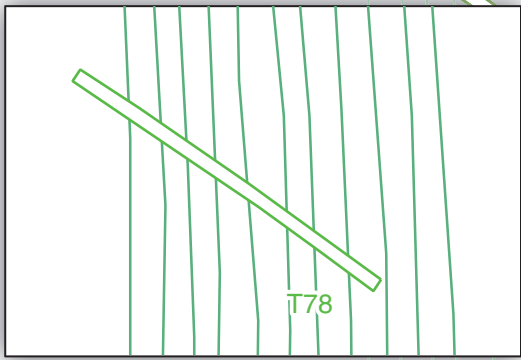
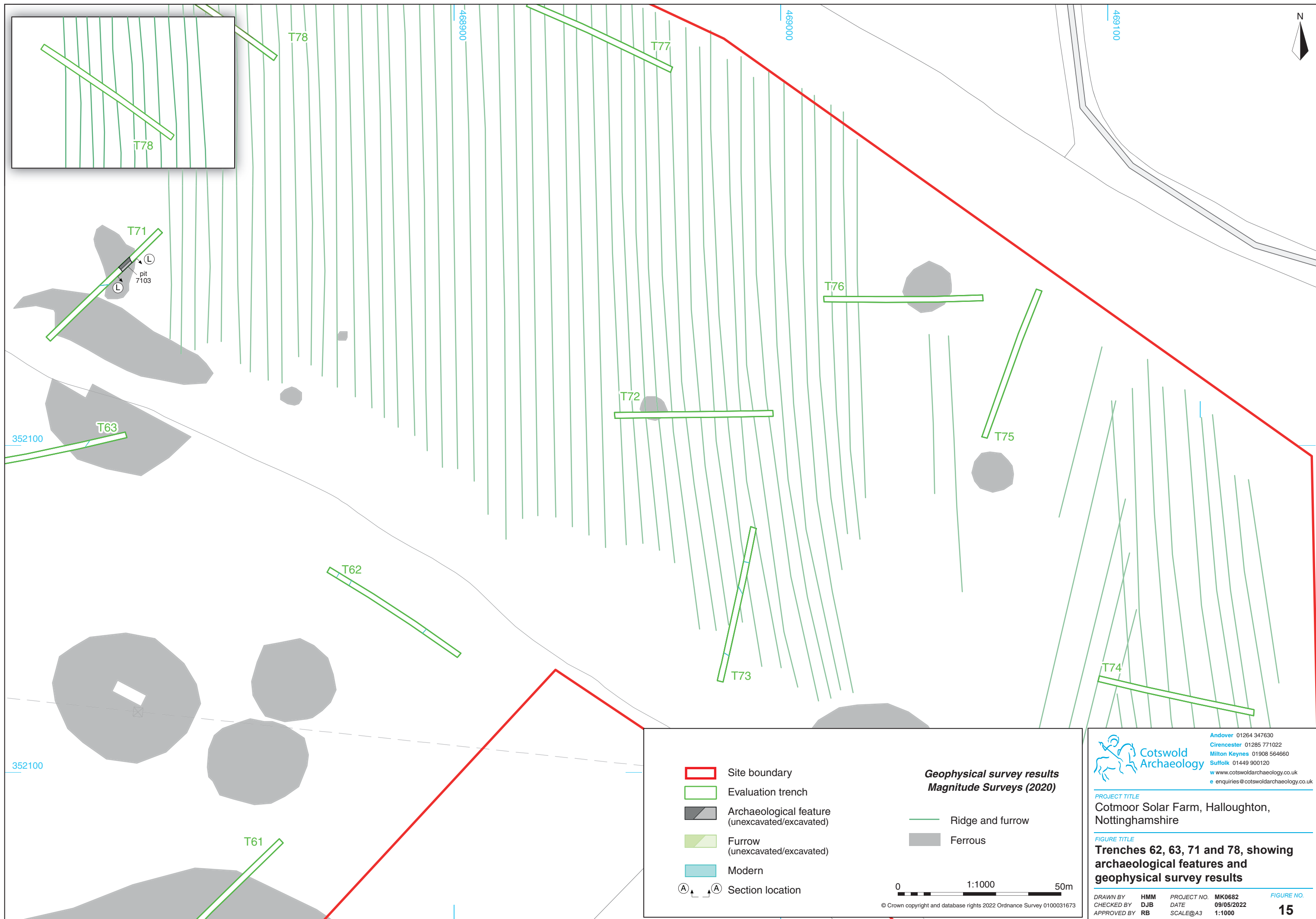
Cotswold Archaeology

Andover 01264 347630
 Cirencester 01285 771022
 Milton Keynes 01908 564660
 Suffolk 01449 900120
www.cotswoldarchaeology.co.uk
enquiries@cotswoldarchaeology.co.uk

PROJECT TITLE
 Cotmoor Solar Farm, Halloughton,
 Nottinghamshire

FIGURE TITLE
**Trenches 55 and 59-64, showing
 archaeological features and
 geophysical survey results**

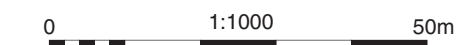
<small>DRAWN BY</small> HMM	<small>PROJECT NO.</small> MK0682	<small>FIGURE NO.</small>
<small>CHECKED BY</small> DJB	<small>DATE</small> 09/05/2022	14
<small>APPROVED BY</small> RB	<small>SCALE@A3</small> 1:1000	



- Site boundary
- Evaluation trench
- Archaeological feature (unexcavated/excavated)
- Furrow (unexcavated/excavated)
- Modern
- Section location

**Geophysical survey results
Magnitude Surveys (2020)**

- Ridge and furrow
- Ferrous



© Crown copyright and database rights 2022 Ordnance Survey 0100031673

Cotswold Archaeology
 Andover 01264 347630
 Cirencester 01285 771022
 Milton Keynes 01908 564660
 Suffolk 01449 900120
 www.cotswoldarchaeology.co.uk
 enquiries@cotswoldarchaeology.co.uk

PROJECT TITLE
 Cotmoor Solar Farm, Halloughton,
 Nottinghamshire

FIGURE TITLE
 Trenches 62, 63, 71 and 78, showing
 archaeological features and
 geophysical survey results

DRAWN BY HMM **PROJECT NO.** MK0682 **FIGURE NO.**
CHECKED BY DJB **DATE** 09/05/2022 **15**
APPROVED BY RB **SCALE@A3** 1:1000



Eastern fields pre-excavation, looking north



Trench 5, looking north-west (1m scales)



Trench 19, looking east (1m scales)



Trench 35, looking west (1m scales)


Cotswold Archaeology
 Andover 01264 347630
 Cirencester 01285 771022
 Milton Keynes 01908 564660
 Suffolk 01449 900120
 www.cotswoldarchaeology.co.uk
 enquiries@cotswoldarchaeology.co.uk

PROJECT TITLE
**Cotmoor Solar Farm, Halloughton,
 Nottinghamshire**

FIGURE TITLE
Site photograph and trench shots

DRAWN BY	HMM	PROJECT NO.	MK0682	FIGURE NO.
CHECKED BY	DJB	DATE	06/05/2022	16
APPROVED BY	RB	SCALE@A3	NA	



Trench 38, looking west (1m scales)



Trench 48, looking south-west (1m scales)



Trench 62, looking south-east (1m scales)



Trench 70, looking east (1m scales)

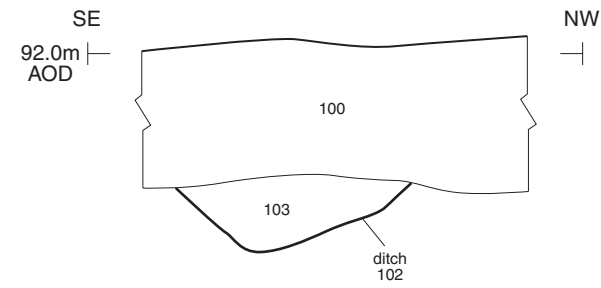

Cotswold Archaeology
 Andover 01264 347630
 Cirencester 01285 771022
 Milton Keynes 01908 564660
 Suffolk 01449 900120
www.cotswoldarchaeology.co.uk
enquiries@cotswoldarchaeology.co.uk

PROJECT TITLE
**Cotmoor Solar Farm, Halloughton,
 Nottinghamshire**

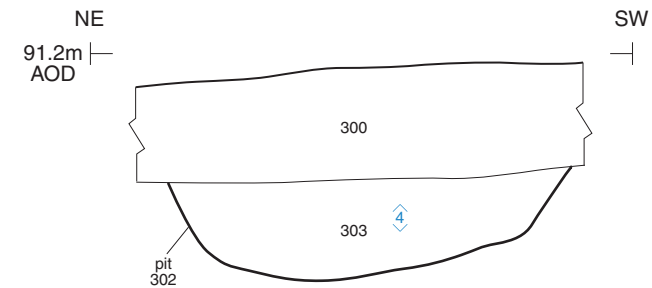
FIGURE TITLE
Trench shots

DRAWN BY	HMM	PROJECT NO.	MK0682	FIGURE NO.
CHECKED BY	DJB	DATE	06/05/2022	17
APPROVED BY	RB	SCALE@A3	NA	

Section AA



Section BB



◊ Sample number



Ditch 102, looking south-west (1m scale)



Pit 302, looking south-east (1m scale)

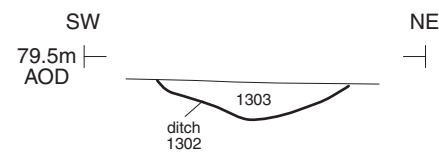
 Cotswold Archaeology
 Andover 01264 347630
 Cirencester 01285 771022
 Milton Keynes 01908 564660
 Suffolk 01449 900120
 www.cotswoldarchaeology.co.uk
 enquiries@cotswoldarchaeology.co.uk

PROJECT TITLE
 Cotmoor Solar Farm, Halloughton,
 Nottinghamshire

FIGURE TITLE
**Trenches 1 and 3: sections and
 photographs**

DRAWN BY	HMM	PROJECT NO.	MK0682	FIGURE NO.
CHECKED BY	DJB	DATE	06/05/2022	18
APPROVED BY	RB	SCALE@A3	1:20	

Section CC



Section DD

NE
92.8m
AOD



0 1:20 1m



Headland 802, looking south-east (1m scale)



Ditch 1302, looking north (0.3m scale)

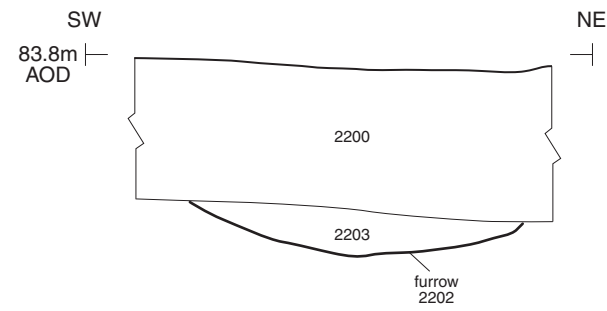
 Cotswold Archaeology
 Andover 01264 347630
 Cirencester 01285 771022
 Milton Keynes 01908 564660
 Suffolk 01449 900120
 www.cotswoldarchaeology.co.uk
 enquiries@cotswoldarchaeology.co.uk

PROJECT TITLE
 Cotmoor Solar Farm, Halloughton,
 Nottinghamshire

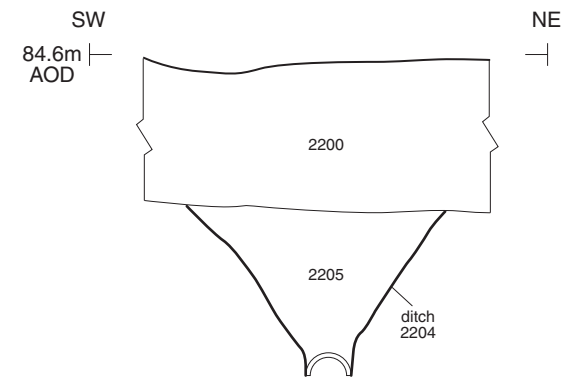
FIGURE TITLE
**Trenches 8 and 13: sections and
 photographs**

DRAWN BY	HMM	PROJECT NO.	MK0682	FIGURE NO.
CHECKED BY	DJB	DATE	06/05/2022	19
APPROVED BY	RB	SCALE@A3	1:20	

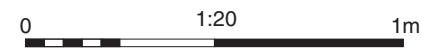
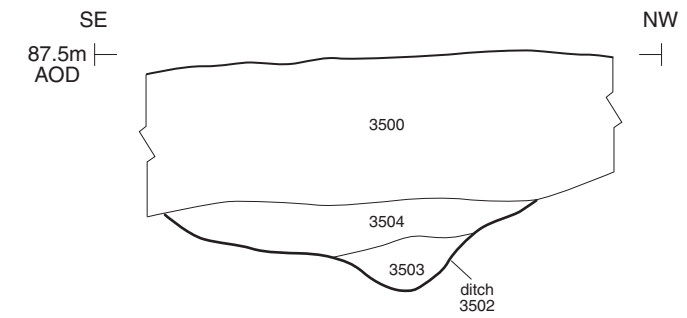
Section EE



Section FF



Section GG



Ditch 2204, looking north-west (1m scale)



Ditch 3502, looking south-west (1m scale)

 Cotswold Archaeology

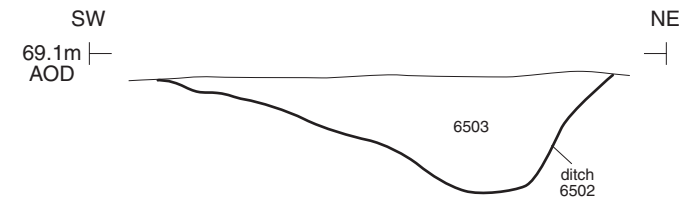
Andover 01264 347630
 Cirencester 01285 771022
 Milton Keynes 01908 564660
 Suffolk 01449 900120
 www.cotswoldarchaeology.co.uk
 enquiries@cotswoldarchaeology.co.uk

PROJECT TITLE
 Cotmoor Solar Farm, Halloughton,
 Nottinghamshire

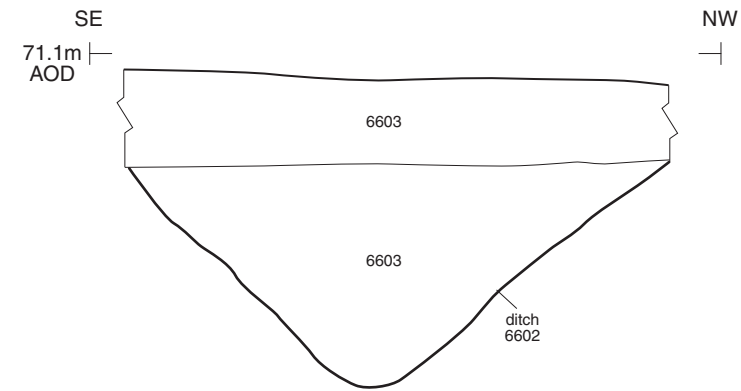
FIGURE TITLE
**Trenches 22 and 35: sections and
 photographs**

DRAWN BY HMM PROJECT NO. MK0682 FIGURE NO.
 CHECKED BY DJB DATE 06/05/2022
 APPROVED BY RB SCALE@A3 1:20 **20**

Section HH



Section II



Ditch 6502, looking north-west (1m scale)



Ditch 6602, looking south-west (1m scale)



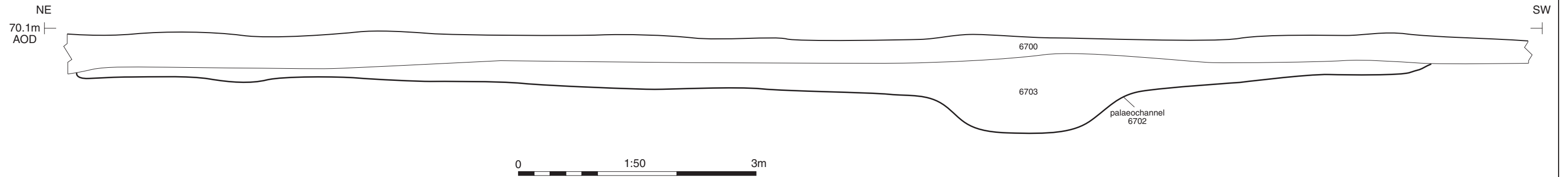
Andover 01264 347630
 Cirencester 01285 771022
 Milton Keynes 01908 564660
 Suffolk 01449 900120
 www.cotswoldarchaeology.co.uk
 enquiries@cotswoldarchaeology.co.uk

PROJECT TITLE
 Cotmoor Solar Farm, Halloughton,
 Nottinghamshire

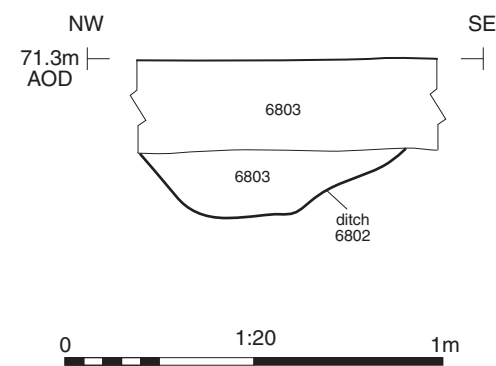
FIGURE TITLE
**Trenches 65 and 66: sections and
 photographs**

DRAWN BY	HMM	PROJECT NO.	MK0682	FIGURE NO.
CHECKED BY	DJB	DATE	06/05/2022	21
APPROVED BY	RB	SCALE@A3	1:20	

Section JJ



Section KK



Palaeochannel 6702, looking north-east (1m scales)



Ditch 6802, looking west (1m scale)


 Andover 01264 347630
 Cirencester 01285 771022
 Milton Keynes 01908 564660
 Suffolk 01449 900120
www.cotswoldarchaeology.co.uk
enquiries@cotswoldarchaeology.co.uk

PROJECT TITLE
 Cotmoor Solar Farm, Halloughton,
 Nottinghamshire

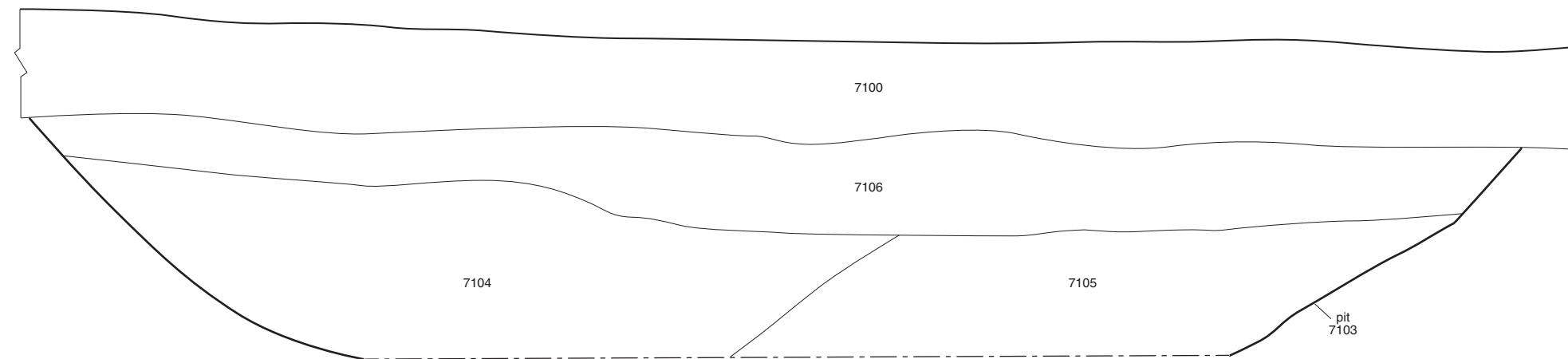
FIGURE TITLE
**Trenches 67 and 68: sections and
 photographs**

<small>DRAWN BY</small> HMM	<small>PROJECT NO.</small> MK0682	<small>FIGURE NO.</small> 22
<small>CHECKED BY</small> DJB	<small>DATE</small> 09/05/2022	
<small>APPROVED BY</small> RB	<small>SCALE@A3</small> 1:20 & 1:50	

Section LL

NE
64.1m
AOD

SW



0 1:20 1m



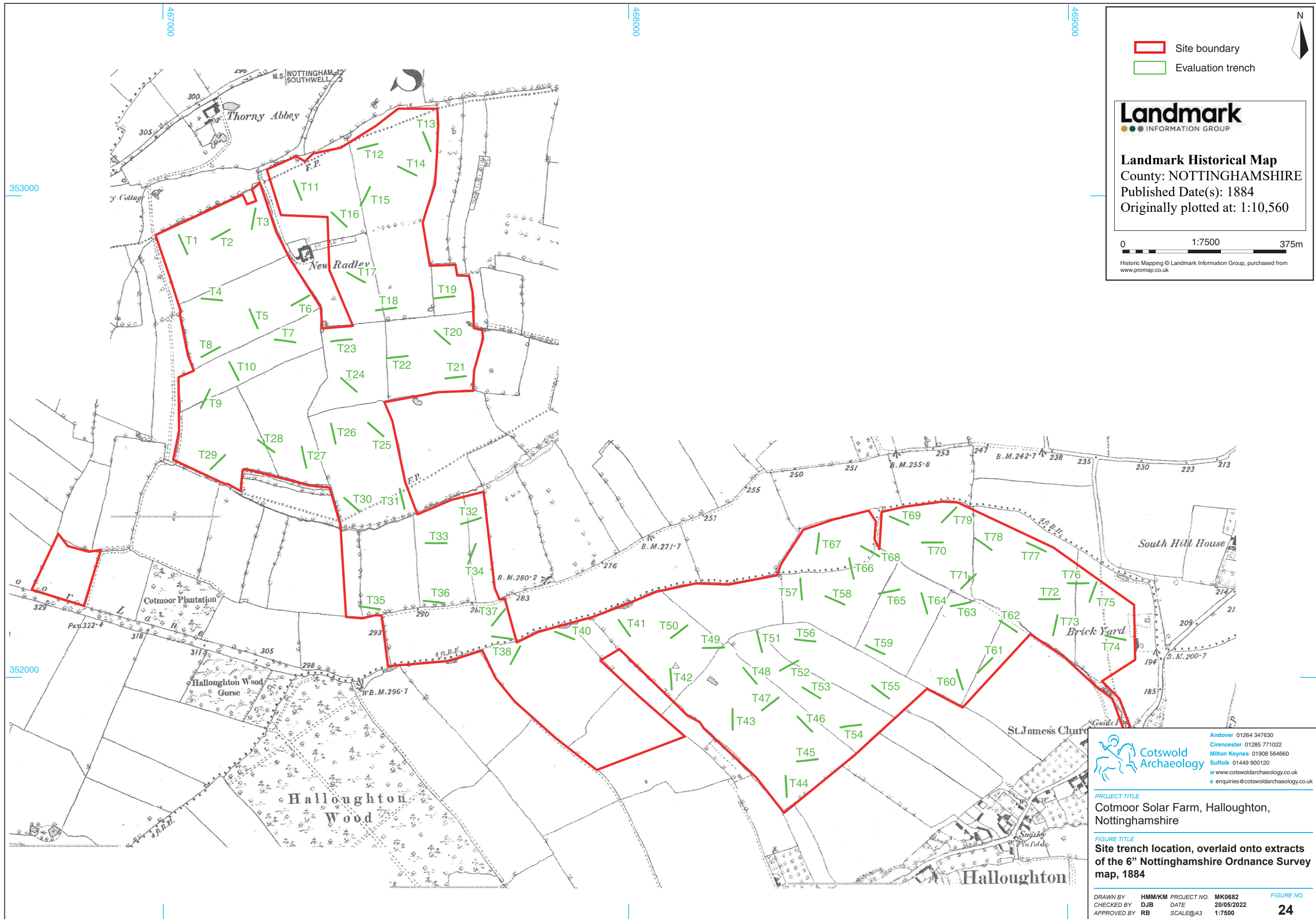
Pit 7103, looking south-east (1m scale)

 Cotswold Archaeology
Andover 01264 347630
Cirencester 01285 771022
Milton Keynes 01908 564660
Suffolk 01449 900120
www.cotswoldarchaeology.co.uk
enquiries@cotswoldarchaeology.co.uk

PROJECT TITLE
Cotmoor Solar Farm, Halloughton,
Nottinghamshire

FIGURE TITLE
Trench 71: section and photograph

DRAWN BY HMM PROJECT NO. MK0682 FIGURE NO.
CHECKED BY DJB DATE 09/05/2022
APPROVED BY RB SCALE@A3 1:20 23



- Site boundary
- Evaluation trench



Landmark Historical Map
 County: NOTTINGHAMSHIRE
 Published Date(s): 1884
 Originally plotted at: 1:10,560



Historic Mapping © Landmark Information Group, purchased from www.promap.co.uk

Cotswold Archaeology
 Andover 01264 347630
 Cirencester 01285 771022
 Milton Keynes 01908 564660
 Suffolk 01449 900120
 www.cotswoldarchaeology.co.uk
 enquiries@cotswoldarchaeology.co.uk

PROJECT TITLE
 Cotmoor Solar Farm, Halloughton, Nottinghamshire

FIGURE TITLE
 Site trench location, overlaid onto extracts of the 6" Nottinghamshire Ordnance Survey map, 1884

DRAWN BY	HMM/KM	PROJECT NO.	MK0682	FIGURE NO.
CHECKED BY	DJB	DATE	20/05/2022	24
APPROVED BY	RB	SCALE@A3	1:7500	

Andover Office

Stanley House
Walworth Road
Andover
Hampshire
SP10 5LH

t: 01264 347630

Cirencester Office

Building 11
Cotswold Business Park
Cirencester
Gloucestershire
GL7 6BQ

t: 01285 771022

Milton Keynes Office

Unit 8 - The IO Centre
Fingle Drive, Stonebridge
Milton Keynes
Buckinghamshire
MK13 0AT

t: 01908 564660

Suffolk Office

Unit 5, Plot 11, Maitland Road
Lion Barn Industrial Estate
Needham Market
Suffolk
IP6 8NZ

t: 01449 900120

e: enquiries@cotswoldarchaeology.co.uk

