

LKWB20



SITE 17A, DOE HILL FARM, LITTLE KIMBLE, BUCKINGHAMSHIRE

GEOPHYSICAL SURVEY REPORT

commissioned by Rainier Developments Ltd

November 2020

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PROJECT INFO:

HA Project Code **LKWB20** / NGR **SP 8248 0718** / Parish **Kimble** / Local Authority **Buckinghamshire Council** / OASIS Ref. **headland5-408108**

PROJECT TEAM:

Project Manager **David Harrison** / Author **Matthew Berry** / Fieldwork **Peter Heykoop, Will Buckley** / Graphics **David Harrison, Eleanor Winter**

Approved by **David Harrison**



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part of the **RSK** Group



PROJECT SUMMARY

Headland Archaeology (UK) Ltd undertook a geophysical (magnetometer) survey of a 2.8 hectare parcel of land at Doe Hill Farm, Little Kimble, to inform planning proposals for a new residential development. No anomalies of any archaeological potential have been identified. The survey has detected anomalies consistent with modern agricultural activity including a backfilled pond and a vague band of ferrous anomalies demarcating a former field boundary and adjacent farm track. On the basis of the geophysical survey, the site is assessed as having very low archaeological potential, corroborating the results of the Archaeological and Heritage Assessment.

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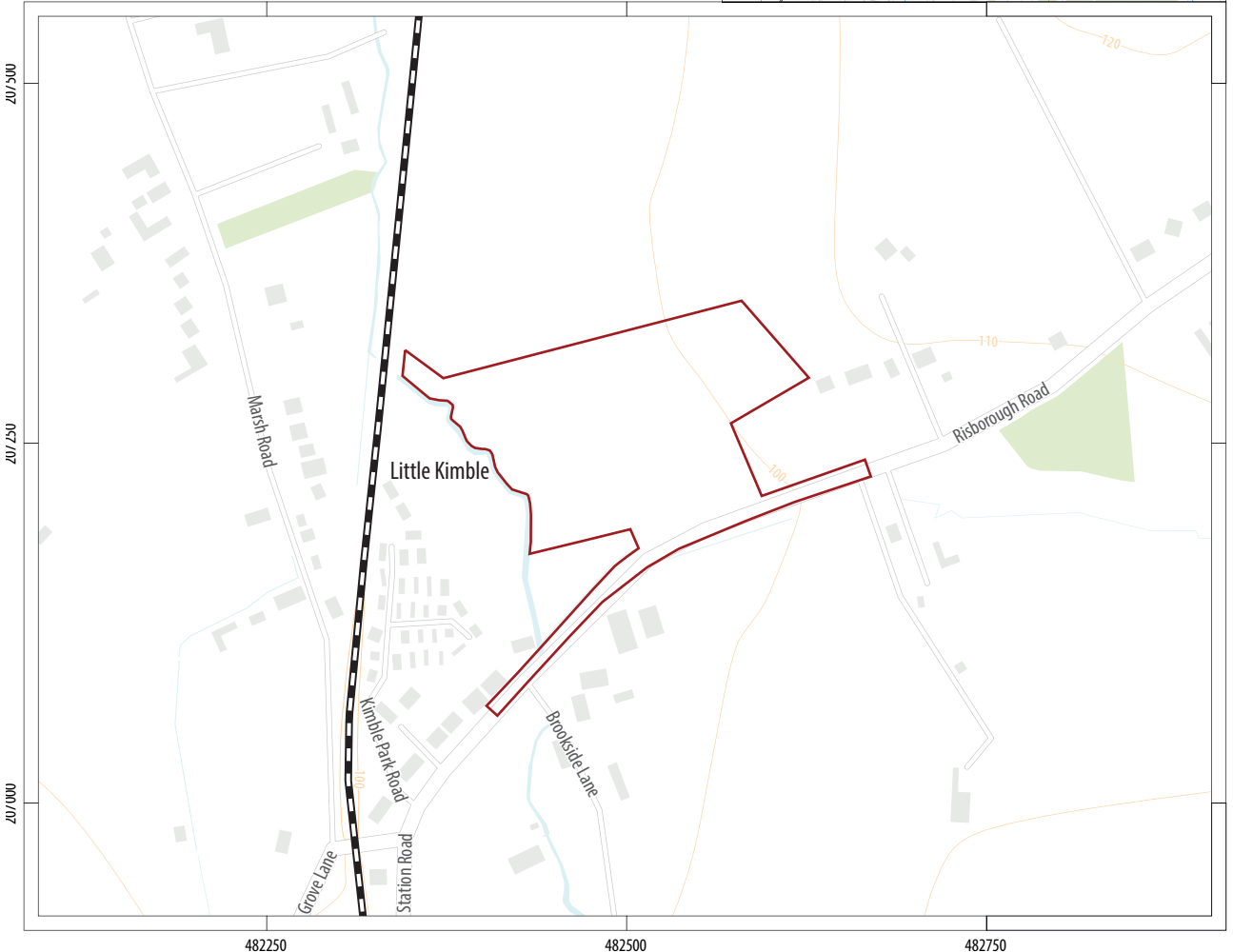
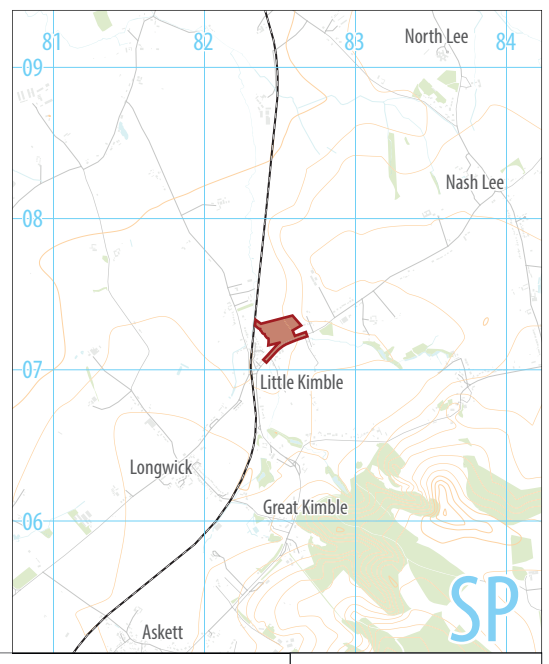
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Site 17a
 Doe Hill Farm
 Little Kimble
 Buckinghamshire



0 200km
 1:12,500,000 @ A4



0 100m
 1:5,000 @ A4

 proposed development area



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ILLUS 1 Site location (1:5,000)

SITE 17A, DOE HILL FARM, LITTLE KIMBLE, BUCKINGHAMSHIRE

GEOPHYSICAL SURVEY REPORT

1 INTRODUCTION

Headland Archaeology (UK) Ltd was commissioned by Rainier Developments Ltd (the Client), to undertake a geophysical (magnetometer) survey on land immediately north-east of Little Kimble, Buckinghamshire, to inform planning proposals for a new residential development. The results of the survey will inform future archaeological strategy at the site, if required.

The survey was undertaken in order to assess the impact of the proposed development on the historic environment. It was undertaken in accordance with an Archaeological Written Scheme of Investigation (WSI) (Harrison 2020), which was submitted to and approved by Lucy Lawrence (Archaeology Officer with Buckinghamshire Council), with guidance within the National Planning Policy Framework (MHCLG 2019) and in line with current best practice (Chartered Institute for Archaeologists 2014, Europae Archaeologia Consilium 2016).

1.1 SITE LOCATION, TOPOGRAPHY AND LAND-USE

The Proposed Development Area (PDA) comprises an irregularly shaped parcel of land within the south of a larger field, centred at SP 8248 0718. The site is bound by Risborough Road to the south, open farmland to the north and field boundaries to the east and west (Illus 1).

The PDA slopes upwards from c 95m Above Ordnance Datum (AOD) in the west to c 110m AOD in the east. At the time of the survey the field was lightly cultivated stubble.

The survey was carried out on the 30th October 2020.

1.2 GEOLOGY AND SOILS

The bedrock geology comprises Gault Formation and Upper Greensand Formation. No superficial deposits are recorded (NERC 2020).

The soils are classified in the Soilscape 8 Association, characterised as slightly acid loams and clays with impeded drainage (Cranfield University 2020).

2 ARCHAEOLOGICAL BACKGROUND

An Archaeological and Heritage Assessment (EDP 2020) has recorded that the site contains no designated heritage assets is considered to have a moderate potential to contain remains from the Iron Age and Roman periods. It is considered that if any archaeology is present it will most likely relate to former farming practices from the Iron Age and/or stray artefacts. This conclusion was based on the fact that an Iron Age weight, a pottery fragment, a Roman coin, a medieval coin, tile fragment, glass vessel fragment and buckle were found during an unsystematic metal detecting rally which encompassed the site.

The conjectural route of the Lower Icknield Way, which may have had origins in the prehistoric period, follows part of the modern route of the Aylesbury Road directly to the south.

Finally, air photographs also show the degraded earthworks characteristic of ridge and furrow cultivation within the site boundary.

3 AIMS, METHODOLOGY AND PRESENTATION

The general aim of the geophysical survey was to provide enough information to establish the presence/absence, character and extent of any archaeological remains within the PDA. This will therefore enable an assessment to be made of the impact of the proposed development on any sub-surface archaeological remains, if present.

The specific archaeological objectives of the geophysical survey were:

- › to gather enough information to inform the extent, condition, character and date (as far as circumstances permit) of any archaeological features and deposits within the PDA;
- › to obtain information that will contribute to an evaluation of the significance of the scheme upon cultural heritage assets; and
- › to prepare a report summarising the results of the survey.

3.1 MAGNETOMETER SURVEY

Magnetic survey methods rely on the ability of a variety of instruments to measure very small magnetic fields associated with buried archaeological remains. A feature such as a ditch, pit or kiln can act like a small magnet, or series of magnets, that produce distortions (anomalies) in the earth's magnetic field. In mapping these slight variations, detailed plans of sites can be obtained as buried features often produce reasonably characteristic anomaly shapes and strengths (Gaffney & Gater 2003). Further information on soil magnetism and the interpretation of magnetic anomalies is provided in Appendix 1.

The survey was undertaken using four Bartington Grad601 sensors mounted at 1m intervals (1m traverse interval) onto a rigid carrying frame. The system was programmed to take readings at a frequency of 10Hz (allowing for a 10–15cm sample interval) on roaming traverses (swaths) 4m apart. These readings were stored on an external weatherproof laptop and later downloaded for processing and interpretation. The system was linked to a Trimble R8s Real Time Kinetic (RTK) differential Global Positioning System (dGPS) outputting in NMEA mode to ensure a high positional accuracy for each data point.

MLGrad601 and MultiGrad601 (Geomar Software Inc.) software was used to collect and export the data. Terrasurveyor V3.0.35.1 (DWConsulting) software was used to process and present the data.

3.2 REPORTING

A general site location plan is shown in Illus 1 at a scale of 1:5,000. Illus 2 is a 1:1,500 survey location plan showing the direction of survey as GPS swaths. Large-scale, fully processed (greyscale) data, minimally processed data (XY trace plot) and an interpretative plot are presented at a scale of 1:1,500 in Illus 3 to Illus 5 inclusive.

Technical information on the equipment used, data processing and magnetic survey methodology is given in Appendix 1. Appendix 2 details the survey location information and Appendix 3 describes

the composition and location of the site archive. Data processing details are presented in Appendix 4. A copy of the OASIS entry (Online Access to the Index of Archaeological Investigations) is reproduced in Appendix 5.

The survey methodology, report and any recommendations comply with the Written Scheme of Investigation (Harrison 2020), guidelines outlined by Europae Archaeologia Consilium (EAC 2016) and by the Chartered Institute for Archaeologists (CIfA 2014). All illustrations from Ordnance Survey (OS) mapping are reproduced with the permission of the controller of Her Majesty's Stationery Office (© Crown copyright).

The illustrations in this report have been produced following analysis of the data in 'raw' and processed formats and over a range of different display levels. All illustrations are presented to most suitably display and interpret the data from this site based on the experience and knowledge of management and reporting staff.

4 RESULTS AND DISCUSSION

Ground conditions were very good throughout the PDA contributing to a high standard of data collection. The survey has detected a low level of background magnetic variation which is characterised by frequent, evenly dispersed, discrete low magnitude anomalies. This is likely due to the depth and composition of the topsoil. A limited number of anomalies have been identified and cross-referenced to specific examples on the interpretation figure (Illus 5), where appropriate.

4.1 FERROUS AND MODERN ANOMALIES

Ferrous anomalies, characterised as individual 'spikes', are typically caused by ferrous (magnetic) material, either on the ground surface or in the plough-soil. Little importance is normally given to such anomalies, unless there is any supporting evidence for an archaeological interpretation, as modern ferrous debris is common on most sites, often being present as a result of manuring or tipping/infilling. There is no obvious clustering to these ferrous anomalies which might indicate an archaeological origin. Far more probable is that the 'spike' responses are likely caused by the random distribution of ferrous debris in the upper soil horizons. A vague band of 'spike' anomalies, aligned north/south within the centre of the dataset, corresponds to a former field boundary and adjacent farm track which is depicted on the first edition OS map. The anomalies are due to ferrous material within the infilled former boundary ditch and remnants of the farm track in the topsoil.

The large isolated large spike anomaly (TP1) in the centre of the dataset is due to a telegraph pole carrying overhead lines.

In the south of the PDA, high magnitude ferrous anomalies (BP1) correspond closely to a former pond which is depicted on the first edition OS map. The response is due to magnetically enhanced material (such as brick, tile, concrete etc) used to infill the pond.

Magnetic disturbance around the field edges is due to ferrous material within, or adjacent to the boundaries and is of no archaeological interest.

4.2 AGRICULTURAL ANOMALIES

No anomalies of obvious agricultural origin have been identified by the survey. A single low-magnitude trend is interpreted as a likely plough trend, being orientated parallel with the extant field boundaries.

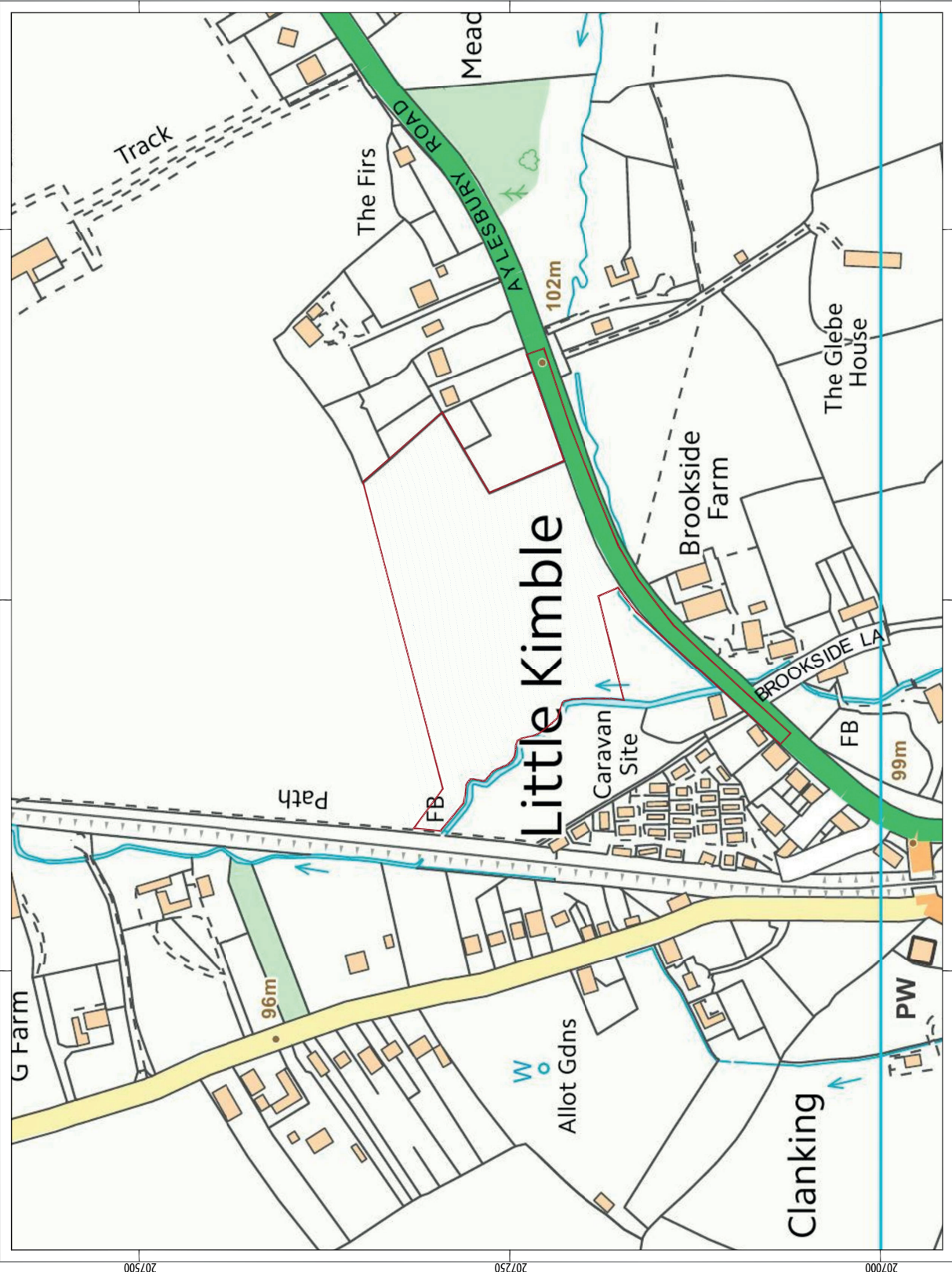
5 CONCLUSION

The survey has successfully evaluated the geophysical survey area and has not identified any anomalies of any archaeological potential. Anomalies have been identified which are consistent with modern agricultural activity including a backfilled pond and a vague band of ferrous anomalies demarcating a former field boundary and adjacent farm track. On the basis of the geophysical survey, the site is assessed as having very low archaeological potential, corroborating the results of the Archaeological and Heritage Assessment.

6 REFERENCES

- Chartered Institute for Archaeologists (CIfA) 2014 *Standard and guidance for archaeological geophysical survey* (Reading) https://www.archaeologists.net/sites/default/files/CIfA%26GGeophysics_3.pdf accessed 5 November 2020
- Cranfield University 2019 *Cranfield Soil and Agrifood* Institute Soilscales <http://www.landis.org.uk/soilscales/> accessed 6 November 2020
- EDP 2019 *Site 17a, Doe Hill Farm, Little Kimble; Archaeological and Heritage Assessment* [unpublished client report] The Environmental Dimension Partnership Ltd Ref edp5315_r002a
- Europae Archaeologia Consillium (EAC) 2016 *EAC Guidelines for the Use of Geophysics in Archaeology: Question to Ask and Points to Consider* (Namur, Belgium) <https://www.europae-archaeologiae-consillium.org/eac-guidelines> accessed 5 November 2020
- Gaffney C & Gater J 2003 *Revealing the Buried Past: Geophysics for Archaeologists* Stroud
- Harrison D 2020 *Site 17a, Doe Hill Farm, Little Kimble, Buckinghamshire; Written Scheme of Investigation for Geophysical Survey* [unpublished client document] Headland Archaeology Ref LKWB20
- Ministry of Housing, Communities and Local Government (MHCLG) 2019 *National Planning Policy Framework* https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/81017/NPPF_Feb_2019_revised.pdf accessed 6 November 2020
- Natural Environment Research Council (NERC) 2018 *British Geological Survey* <http://www.bgs.ac.uk/> accessed 5 November 2020

proposed development area
 GPS swaths



PROJECT LKWB20

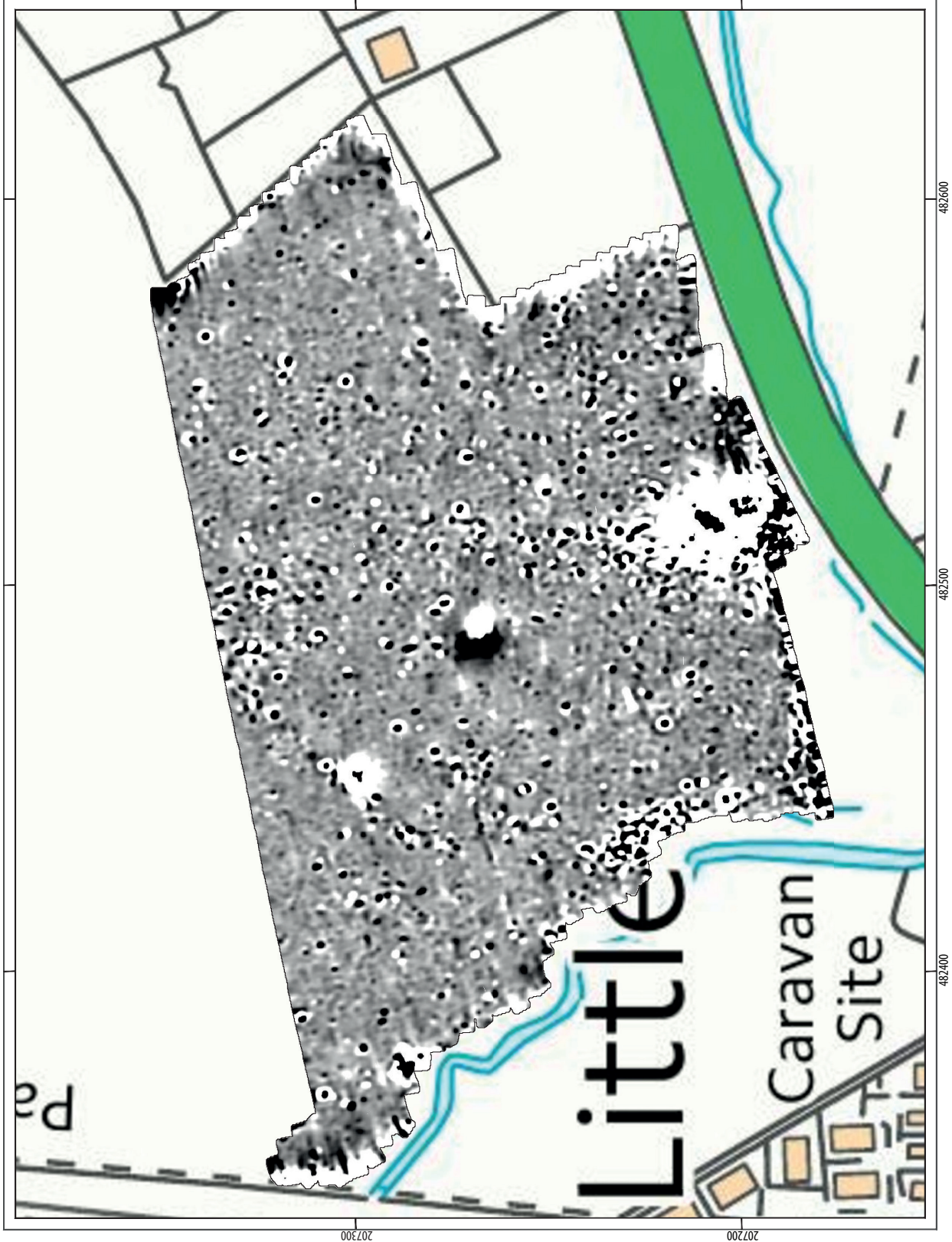
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ILLUS 2 Survey location showing GPS swaths (1:1,500)

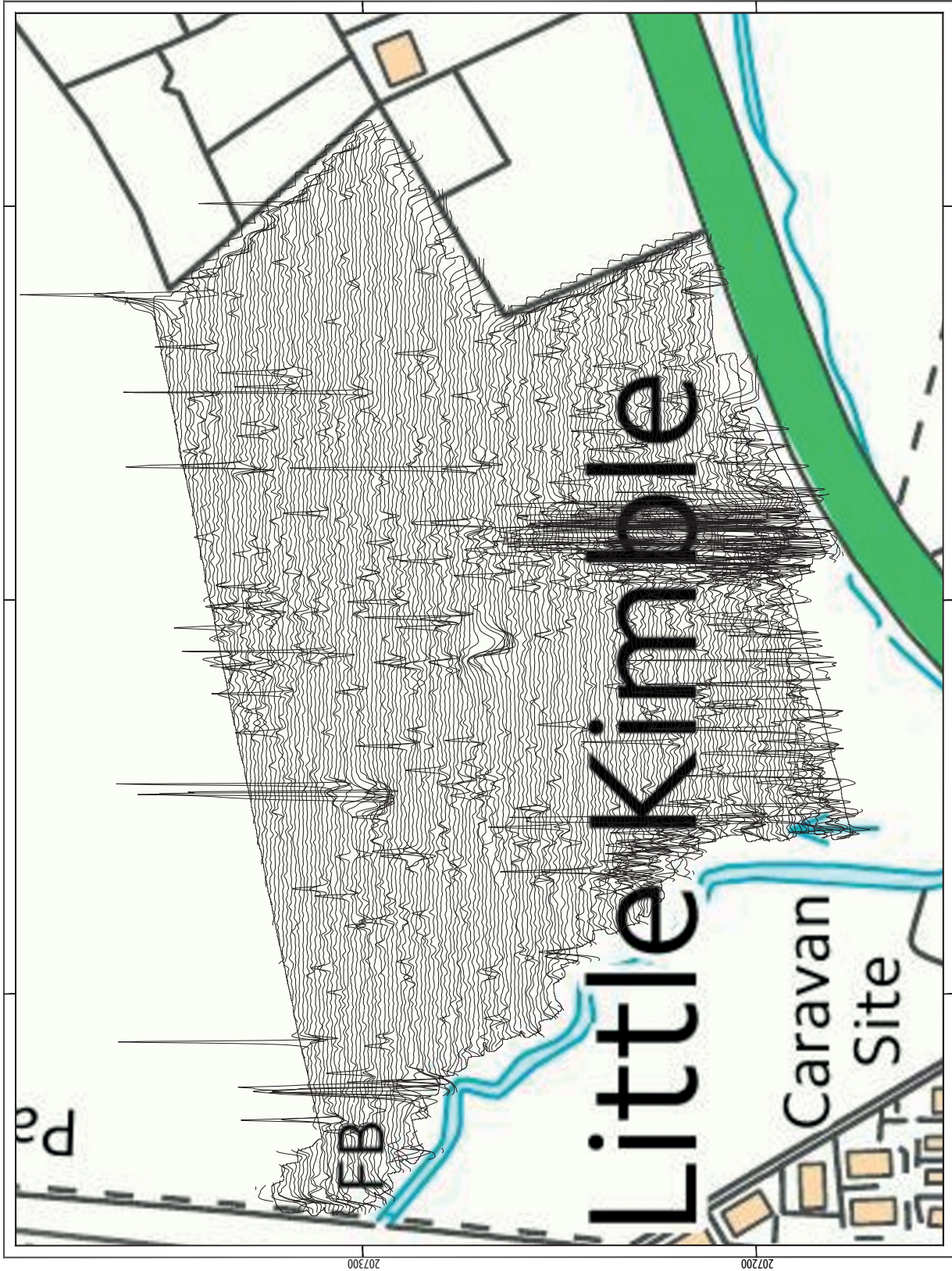


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ILLUS 3 Processed greyscale magnetometer data (1:1,500)

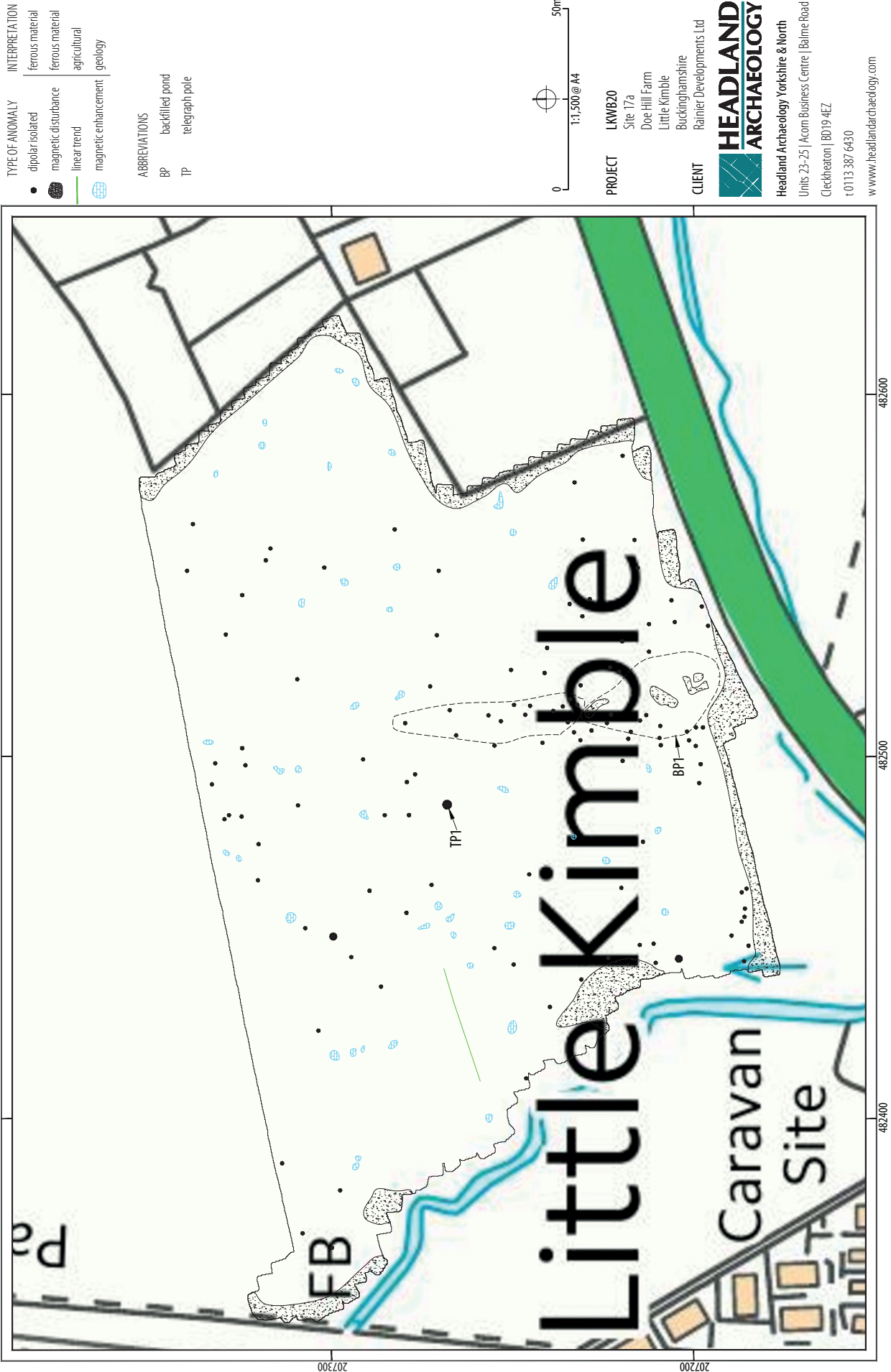


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ILLUS 4 XY trace plot of minimally processed magnetometer data (1:1,500)



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ILLUS 5 Interpretation of magnetometer data (1:1,500)

7 APPENDICES

APPENDIX 1 MAGNETOMETER SURVEY

Magnetic susceptibility and soil magnetism

Iron makes up about 6% of the earth's crust and is mostly present in soils and rocks as minerals such as maghaemite and haematite. These minerals have a weak, measurable magnetic property termed magnetic susceptibility. Human activities can redistribute these minerals and change (enhance) others into more magnetic forms so that by measuring the magnetic susceptibility of the topsoil, areas where human occupation or settlement has occurred can be identified by virtue of the attendant increase (enhancement) in magnetic susceptibility. If the enhanced material subsequently comes to fill features, such as ditches or pits, localised isolated and linear magnetic anomalies can result whose presence can be detected by a magnetometer (fluxgate gradiometer).

In general, it is the contrast between the magnetic susceptibility of deposits filling cut features, such as ditches or pits, and the magnetic susceptibility of topsoils, subsoils and rocks into which these features have been cut, which causes the most recognisable responses. This is primarily because there is a tendency for magnetic ferrous compounds to become concentrated in the topsoil, thereby making it more magnetic than the subsoil or the bedrock. Linear features cut into the subsoil or geology, such as ditches, that have been silted up or have been backfilled with topsoil will therefore usually produce a positive magnetic response relative to the background soil levels. Discrete feature, such as pits, can also be detected.

The magnetic susceptibility of a soil can also be enhanced by the application of heat. This effect can lead to the detection of features such as hearths, kilns or areas of burning.

Types of magnetic anomaly

In the majority of instances anomalies are termed 'positive'. This means that they have a positive magnetic value relative to the magnetic background on any given site. However some features can manifest themselves as 'negative' anomalies that, conversely, means that the response is negative relative to the mean magnetic background.

Where it is not possible to give a probable cause of an observed anomaly a '?' is appended.

It should be noted that anomalies interpreted as modern in origin might be caused by features that are present in the topsoil or upper layers of the subsoil. Removal of soil to an archaeological or natural layer can therefore remove the feature causing the anomaly.

The types of response mentioned above can be divided into five main categories that are used in the graphical interpretation of the magnetic data:

Isolated dipolar anomalies (iron spikes) These responses are typically caused by ferrous material either on the surface or in the topsoil. They cause a rapid variation in the magnetic response giving a characteristic 'spiky' trace. Although ferrous archaeological artefacts could produce this type of response, unless there is supporting evidence for an archaeological interpretation, little emphasis is normally given to such anomalies, as modern ferrous objects are common on rural sites, often being present as a consequence of manuring.

Areas of magnetic disturbance These responses can have several causes often being associated with burnt material, such as slag waste or brick rubble or other strongly magnetised/fired material. Ferrous structures such as pylons, mesh or barbed wire fencing and buried pipes can also cause the same disturbed response. A modern origin is usually assumed unless there is other supporting information.

Lightning-induced remnant magnetisation (LIRM) LIRM anomalies are thought to be caused in the near surface soil horizons by the flow of an electrical currents associated with lightning strikes. These observed anomalies have a strong bipolar signal which decreases with distance from the spike point and often appear as linear or radial in shape.

Linear trend This is usually a weak or broad linear anomaly of unknown cause or date. These anomalies are often caused by agricultural activity, either ploughing or land drains being a common cause.

Areas of magnetic enhancement/positive isolated anomalies Areas of enhanced response are characterised by a general increase in the magnetic background over a localised area whilst discrete anomalies are manifest by an increased response (sometimes only visible on an XY trace plot) on two or three successive traverses. In neither instance is there the intense dipolar response characteristic exhibited by an area of magnetic disturbance or of an 'iron spike' anomaly (see above). These anomalies can be caused by infilled discrete archaeological features such as pits or post-holes or by kilns. They can also be caused by pedological variations or by natural infilled features on certain geologies. Ferrous material in the subsoil can also give a similar response. It can often therefore be very difficult to establish an anthropogenic origin without intrusive investigation or other supporting information.

Linear and curvilinear anomalies Such anomalies have a variety of origins. They may be caused by agricultural practice (recent ploughing trends, earlier ridge and furrow regimes or land drains), natural geomorphological features such as palaeochannels or by infilled archaeological ditches.

APPENDIX 2 SURVEY LOCATION INFORMATION

An initial survey base station was established using a Trimble VRS differential Global Positioning System (dGPS). The magnetometer data was georeferenced using a Trimble RTK differential Global Positioning System (Trimble R8s model).

Temporary sight markers were laid out using a Trimble VRS differential Global Positioning System (Trimble R8s model) to guide the operator and ensure full coverage. The accuracy of this dGPS equipment is better than 0.01m.

The survey data were then super-imposed onto a base map provided by the client to produce the displayed block locations. However, it should be noted that Ordnance Survey positional accuracy for digital map data has an error of 0.5m for urban and floodplain areas, 1.0m for rural areas and 2.5m for mountain and moorland areas. This potential error must be considered if coordinates are measured off hard copies of the mapping rather than using the digital coordinates.

Headland Archaeology cannot accept responsibility for errors of fact or opinion resulting from data supplied by a third party.

APPENDIX 3 GEOPHYSICAL SURVEY ARCHIVE

The geophysical archive comprises an archive disk containing the raw data in XYZ format, a raster image of each greyscale plot with associated world file, and a PDF of the report.

The project will be archived in-house in accordance with recent good practice guidelines (http://guides.archaeologydataservice.ac.uk/g2gp/Geophysics_3). The data will be stored in an indexed archive and migrated to new formats when necessary.

APPENDIX 4 DATA PROCESSING

The gradiometer data has been presented in this report in processed greyscale and minimally processed XY trace plot format.

Data collected using RTK GPS-based methods cannot be produced without minimal processing of the data. The minimally processed data has been interpolated to project the data onto a regular grid and de-striped to correct for slight variations in instrument calibration drift and any other artificial data.

A high pass filter has been applied to the greyscale plots to remove low frequency anomalies (relating to survey tracks and modern agricultural features) in order to maximise the clarity and interpretability of the archaeological anomalies.

The data has also been clipped to remove extreme values and to improve data contrast.

APPENDIX 5 OASIS DATA COLLECTION FORM: ENGLAND

OASIS ID: *headland5-408108*

PROJECT DETAILS	
Project name	Site 17a, Doe Hill Farm, Little Kimble, Buckinghamshire
Short description of the project	Headland Archaeology (UK) Ltd undertook a geophysical (magnetometer) survey of a 2.8 hectare parcel of land at Doe Hill Farm, Little Kimble, to inform planning proposals for a new residential development. No anomalies of any archaeological potential have been identified. The survey has detected anomalies consistent with modern agricultural activity including a backfilled pond and a vague band of ferrous anomalies demarcating a former field boundary and adjacent farm track. On the basis of the geophysical survey, the site is assessed as having very low archaeological potential, corroborating the results of the Archaeological and Heritage Assessment.
Project dates	Start: 30-10-2020 End: 30-10-2020
Previous/future work	No / Not known
Any associated project reference codes	LKWB20 - Contracting Unit No.
Type of project	Field evaluation
Site status	None
Current Land use	Cultivated Land 4 - Character Undetermined
Monument type	N/A None
Monument type	N/A None
Significant Finds	N/A None
Significant Finds	N/A None
Methods & techniques	"Geophysical Survey"
Development type	Housing estate
Prompt	National Planning Policy Framework - NPPF
Position in the planning process	Pre-application
Solid geology (other)	Gault Formation and Upper Greensand Formation
Drift geology (other)	None
Techniques	Magnetometry
PROJECT LOCATION	
Country	England
Site location	Buckinghamshire Wycombe Great and Little Kimble Site 17a, Doe Hill Farm, Little Kimble, Buckinghamshire
Study area	2.8 Hectares
Site coordinates	SP 8248 0718 51.756771533889 -0.804883246099 51 45 24 N 000 48 17 W Point
Project creators	
Name of Organisation	Headland Archaeology
Project brief originator	Local Planning Authority (with/without advice from County/District Archaeologist)
Project design originator	Headland Archaeology
Project director/manager	Harrison, D
Project supervisor	Heykoop, P
Type of sponsor/funding body	Developer
PROJECT ARCHIVES	
Physical Archive Exists?	No

Digital Archive recipient	In house
Digital Contents	"Survey"
Digital Media available	"Geophysics"
Paper Archive Exists?	No

PROJECT BIBLIOGRAPHY 1

Publication type	Grey literature (unpublished document/manuscript)
Title	Site 17a, Doe Hill Farm, Little Kimble, Buckinghamshire; Geophysical Survey Report
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