Light Valley Solar

Environmental Statement Volume 3

Appendix 8.3: Geophysical Survey Results Part 3

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February 2026

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APFP Regulation: 5(2)(a)

Light Valley Solar

Infrastructure Planning

Planning Act 2008

The Infrastructure Planning
(Applications: Prescribed Forms and Procedure) Regulations 2009
(as amended)

Light Valley Solar

Development Consent Order 2025

Appendix 8.3: Geophysical Survey Results Part C

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Annex H Cable Route Corridor Part 1 geophysical Survey Report (ASWYAS)

WYAS Archaeological Services

Light Valley Solar

Cable Route

Nr Selby

North Yorkshire

Geophysical Survey

Report no. 4411

January 2026

Client: Island Green Power

REGISTERED ORGANISATION CIfA

West Yorkshire Joint Services

Light Valley Solar
Cable Route
Near Selby
North Yorkshire

Geophysical Survey

Summary

A geophysical (gradiometer) survey was undertaken within the cable route corridor of the Light Valley Solar Park, North Yorkshire. The cable route totals approximately 328 ha in which 295 ha has been surveyed. Archaeological and possible archaeological responses have been recorded. These comprise rectilinear enclosures, linear and ring ditches and pits. Uncertain anomalies recorded within the data generally appear to be agricultural or geological in origin. Former field boundaries have been recorded along with medieval/post-medieval ridge and furrow cultivation, modern ploughing and land drains. Magnetic disturbance within the dataset can be attributed to adjacent tracks, metal fencing within field boundaries, electricity pylons, overhead cables, and service pipes. Geological responses seen within the dataset reflect either the topography of the site, discrete pockets of natural variations, or former watercourses. Based on the geophysical survey, the archaeological potential of this Site is deemed to be high where there are areas of activity and low elsewhere.

WYAS
Archaeological
Services

Report Information

Client:	Island Green Power
Report Type:	Geophysical Survey
Location:	Selby
County:	North Yorkshire
Grid Reference:	southwest (SE 4844 2922) northeast (SE 6500 4066)
Period(s) of activity:	Prehistoric - modern
Report Number:	4411
Project Number:	XS05
Site Code:	LOW 25
OASIS ID:	archaeol11-539602
Date of fieldwork:	April - December 2025
Date of report:	January 2026
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1 Introduction

Archaeological Services WYAS (ASWYAS) has been commissioned by Lanpro Services on behalf of Island Green Power to undertake a geophysical survey on land for the proposed Light Valley Cable Route Corridor, near Selby, North Yorkshire.

This report details the Cable Route Corridor and compounds of the project only, hereafter referred to as the 'Site'. The survey was undertaken in line with current best practice (CIfA 2020; Schmidt *et al.* 2015). Due to the crops, site visits were made as land became available. Survey occurred between April and December 2025. AOC Archaeology were also commissioned to undertake sections of the Cable Route Corridor.

Site location, topography and land-use

The Cable Route Corridor traverses through numerous fields totalling approximately 328 ha of largely arable land in which ASWYAS have surveyed *c.* 295 ha (Fig. 2).

The Site is situated between Little Skipwith in the northeast (SE 6500 4066) to Monk Fryston Substation in the west (SE 4844 2922) lying to the southwest and northwest of Selby, North Yorkshire. The River Ouse, along with railway lines and several 'A' roads bisect the Site.

Elevation for the Site varies slightly but is considered generally level. Above Ordnance Datum (aOD) in the northeast lies at 6m aOD, falling to approximately 2m aOD adjacent to the River Ouze. Elevation begins to rise again towards the southwest of the Site, generally between 6m and 9m aOD apart from the fields adjacent to Monk Fryston Substation which lie at a high of 39m aOD.

Soils and geology

The recorded bedrock geology across most of the Site comprises Sherwood Sandstone Group-sandstone. These sedimentary rocks are fluvial in origin and are detrital, ranging from coarse- to fine-grained and form beds and lenses of deposits reflecting the channels, floodplains and levees of a river. In the west of the Site bedrock geology comprises the Brotherton Formation-dolomitic limestone (generally comprising carbonate material (coral, shell fragments), forming beds and locally reefs) and Roxby Formation-calcareous mudstone (generally fine-grained (but can include layers of coarser material) and form beds of carbonate-rich deposits sometimes including precipitated beds of evaporites) (BGS 2026).

Where recorded, superficial deposits have been recorded as Harrogate Till Formation (gravelly sandy clay); Hemingbrough Glaciolacustrine Formation (Silty clay); Breighton Sand Formation (sand); and Skipwith Sand Member (gravelly clayey sand). These are all sedimentary deposits that are glacigenic in origin. They are detrital, created by the action of ice and meltwater, and can form a wide range of deposits and geomorphologies associated with glacial and inter-glacial periods during the Quaternary. Deposits of Alluvium (clay, silt, sand and gravel) are recorded adjacent to rivers and range from coarse- to fine-grained and

form beds and lenses of deposits reflecting the channels, floodplains and levees of a river (BGS 2026).

Soils vary across the Site and comprise of the following: freely draining lime-rich loamy soils (Soilscape 5); freely draining slightly acid sandy soils (Soilscape 10); naturally wet very acid sandy and loamy soils (Soilscape 15); slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils (Soilscape 18); Loamy and clayey soils of coastal flats with naturally high groundwater (Soilscape 21); and loamy soils with naturally high groundwater (Soilscape 22) (CSAI 2026).

2 Archaeological Background

The information below has been taken from an archaeological and historical baseline provided by Lanpro Services based on a 1km study area from the main solar development area and the Cable Route Corridor. The reference numbers refer to the Monuments from the North Yorkshire Historic Environment Record (NYHER) and York City Historic Environment Record (YCHER).

Early Prehistoric

Evidence for potential Palaeolithic activity within the study area is limited to a single hollow containing burnt material with possible early prehistoric origins, which was identified within Cable Corridor 1 (Section A) (MNY24076).

Superficial alluvial deposits, of Mesolithic date onwards, have been identified by the British Geological Survey across the river valleys of the Ouse and Aire. Alluvium has the potential to contain well-preserved archaeological remains and paleoenvironmental evidence, including stratified stone tools and organic remains. This may include early prehistoric archaeological remains, as well as paleoenvironmental evidence and remains from later periods.

No sites of a Mesolithic date have been recorded within the study area. A small scatter of flint and fire cracked stones of uncertain date was recovered south-east of Lennerton Farm, Sherburn-in-Elmet (MNY37227).

Neolithic archaeology is present within the study area, but evidence remains extremely limited. There is no natural source of flint or chert within the region, meaning that the overall quantity of the lithic assemblage is lower than in other regions of the country, and individual implements tend to be smaller than elsewhere in Britain during the Neolithic and Bronze Age. The NYHER records a small scatter of flint identified during field walking for the British Rail East Coast Main Line Diversion in 1980 (MNY10410), however none was retained for detailed study.

Two stone hand axes were retrieved from the Riccall area (MNY12169) in the early 20th century; however their exact location was not recorded. Similarly, the NYHER records a

findspot attributed to a Neolithic date *c*.330 m to the northwest of Solar Development Site 4, given only as 'within Gateforth Wood' (MNY9915).

Later Prehistoric

A number of potential Bronze Age ring ditches (largely undated) have been identified in and around Site 6 (MNY17137; MNY17140; MNY17143; MNY17144) and across Cable Corridor 1 (MNY9901; MNY9902; MNY9903), with small clusters of similar cropmarks identified in pockets across the study area. The features within Solar Development Site 6 lie close to the interface between the mudstone and limestone geologies, on slightly higher ground, which increases the likelihood that these could be prehistoric in date.

Two Iron Age roundhouses have been tentatively identified on aerial photography *c*.950 m to the southwest of Solar Development Site 1 (MNY37048) with likely contemporary field systems visible as cropmarks (MNY17704; MYO3546) and earthworks (MNY37386; MNY40274) to the east.

Within Solar Development Site 1, a geophysical survey has identified a number of potential archaeological features, which may be indicative of later prehistoric settlement and comprise ring ditches within rectangular anomalies which could be indicative of roundhouse settlement. These features are in close proximity to a number of tentative trends and ditch-like anomalies which align with a possible Iron Age or Romano British field system, identified from aerial photography (MNY37042). A second cluster of field systems and enclosures is recorded to the west of Solar Development Site 1 (MNY37043; MNY37044; MNY37045; MNY37047).

Excavations identified an Iron Age and Romano-British settlement to the southeast of Riccall (ENY6435) with a possible square barrow (MNY17704) to the immediate east, adjacent to Section 1 of Cable Corridor 1. The possibility of a Roman Villa was also investigated in this area (MNY12173), with stone blocks unearthed during ploughing interpreted as potential foundation stones. Sherds of Romano-British pottery were also recovered from the area, but no definitive structure was subsequently identified. The settlement at Riccall is recorded in Domesday, being at least early medieval in origin, with these remains suggesting that this area has been a preferred location for human settlement since the later prehistoric period.

Geophysical survey of Solar Development Site 4 produced two complex areas of intercutting features which may represent two farmsteads. The presence of ring ditches indicative of roundhouse settlement could tentatively date these to the later prehistoric or Roman periods. A 'Roman' grit-stone coffin was removed from approximately this area and relocated to St. Mary's Church, Birkin.

Early medieval

Within the study area, only a single findspot, a Saxon copper alloy disc brooch (MNY23523) has been definitively dated to the early medieval period. This was recovered from the area

east of Section A of Cable Corridor 1. The exact findspot location of the spectacular 'Escrick Ring (Accession ref: YORYM-715F42)' has never been confirmed, however the ring was recovered from a field near Escrick and represents an unusually high-status object. It is believed to have been manufactured in the 5th or 6th century CE.

The landscape across the study area would have been organised into pockets of small agricultural settlement, interspersed with marsh and wetlands. A number of settlements are recorded in Domesday indicating origins in the early medieval period; Beal, Birkin (including a mill), Burton [Hall], Hambleton, Kellington, Thorpe Willoughby, and Escrick are noted, alongside Riccall, which was more substantial, comprising of 27 households.

Documentary evidence also points to an early medieval date for the settlement of Gateforth ('goats ford' (MNY10014), Hillam (MNY9894) and the Church of St. Wilfrid in Monk Fryston is reported to have early medieval origins, although the settlement was not recorded in Domesday.

Medieval

Evidence for medieval activity across the study area is widespread and diverse including high status and monastic settlement, parkland, ecclesiastical and early industrial activity.

Geophysical survey in Solar Development Site 4 confirmed the presence of previously identified moats MNY9907 and MNY9905, the latter of which is *c.*100m in width. Similarly, Solar Development Site 1 includes a large rectangular enclosure with a clearly defined ditch. Further possible moated sites area recorded across the study area (MNY12079; MNY10348; MNY10347; MNY10292). Whilst some were undoubtedly the location of moated manorial properties, such as the Archbishop's House at Manor Garth (MNY10292), other moats are relatively small in scale and are more likely to represent the location of higher status farmsteads.

Medieval agricultural activity is evidenced through the survival of areas of early ridge and furrow and contemporary field systems. This is particularly well preserved in the north of the study area, outside of the wetlands and into the Vale of York, close to or within areas utilised for agriculture since the later prehistoric periods (MYO2515; MYO4876; MYO2468; MYO2469, MYO2470; MYO2490; MYO2491; MYO2515; MNY31990; MNY36985; MNY37357). Within Solar Development Site 1, a small medieval farmstead (MNY17722) was identified from historic mapping, with geophysical survey detecting possible undated ridge and furrow. Although formal, large-scale drainage of the wetlands did not begin until the post-medieval period, the process began with the occupants of medieval towns situated along river trade routes, and ecclesiastical site during the medieval period and it is likely that new areas within the study area were opened up to agriculture at this time.

The Norman period saw a monastic revival with the establishment of many new monasteries. Monastic activity is evidenced within the study area, to the north of Thorpe Willoughby,

c.350 m from the Section C of Cable Corridor 1. The moated monastic grange at Thorpe Willoughby (SM1017460) was originally a grange of the Benedictine abbey at Selby. In 1539 it was described as being a mansion house with a dovecot and orchard, all surrounded by a moat. Other monastic granges of unknown affiliation have been tentatively identified using documentary resources only, including Milford Grange, adjacent to Solar Development Site 6 (MNY17151) and *c*.500 m north of Solar Development Site 4 (MNY9904).

Post-medieval to modern

The majority of designated heritage assets within the study area date to the post-medieval era. These represent a broad cross section of uses from agricultural buildings, high and lower status domestic properties, early industrial structures, educational facilities, transport infrastructure and landscape features.

A number of medieval estates survive within the study area, with their manorial manors having been demolished and rebuilt across the post-medieval period (Gateforth Hall (LB1132514), Birkin Hall (MNY9912), Riccall Hall (MNY9889), Escrick Park (LB1167878)). Elements of landscaping associated with manorial gardens and parkland are also preserved, such as the ha-ha (LB1316662) within the Gateforth Hall designated landscape garden (MNY31754) and various contemporary statues and garden ornaments within the Escrick estate. Escrick Park (MNY17654) has been developed as part of the Escrick Estate since the 17th century, reaching its current size in the 19th century, it retains many of its original features including two ice houses and duck decoy ponds.

The post-medieval period is characterised by improved transport networks across the country which facilitated both the movement of goods and people across the rapidly industrialising nation. The Selby Canal, constructed in the late 18th century to connect the River Aire and River Ouse, passes through the eastern extent of the study area. Road traffic also increased during the 18th and 19th centuries, with turnpike trusts set up to collect tolls to support the construction and maintenance of roads across the country.

Military remains are a key feature of the study area and wider North Yorkshire region, through a long established connection with the Royal Air Force. World War II bombing decoy control building 270 m south of Scalm Park Cottages Immediately outside of the study area, the RAF had sites at Church Fenton and Burn including bomb storage, aircraft pens, barracks and hangers. At Sherburn-in-Elmet, an airfield (MNY10281) with adjacent aircraft factory (MNY10284) was used first in World War One as a Royal Flying Corps/Royal Air force aircraft acceptance park. Good rail and road access made it ideal for aircraft production and the site produced 162 Sopwith T1 aircraft in World War One and 1,700 Fairey Swordfish during World War Two. Much of the site has now been repurposed as a light industrial estate, however the runway and some infrastructure survive. These remain in use as a runway and storage area for light aircraft.

An additional World War Two airfield (MNY12150) was constructed south-east of Riccall, intersecting with Section A of Cable Corridor 1. Opening in 1942 and closing in 1957. The site was returned to agricultural use soon after with the remaining buildings demolished by 2002.

3 Aims, Methodology and Presentation

The aims and objectives of the programme of geophysical survey were to gather sufficient information to establish the presence/absence, character and extent, of any archaeological remains within the specific area and to inform an assessment of the archaeological potential of the site. To achieve this aim, a magnetometer survey covering all amenable parts of the Site was undertaken (see Fig. 2).

The general aims of the geophysical survey were:

- to provide information about the nature and possible interpretation of any magnetic anomalies identified;
- to therefore determine the presence/absence and extent of any buried archaeological features; and
- to prepare a report summarising the results of the survey.

Magnetometer survey

The cart-based survey was undertaken using an eight channel SenSYS MX V3 system containing eight FGM650 sensors. Readings are taken every 20MHz (between 0.05 and 0.1m). Data were recorded onto a device, using a Carlson GNSS Smart antenna, for centimetre accuracy. These readings were stored in the memory of the instrument and downloaded for processing and interpretation. DLMGPS and MAGNETO software, alongside bespoke in-house software was used to process and present the data.

For hand-held data, the Site grid was laid out using a Trimble VRS differential Global Positioning System (Trimble R6 model). The survey was undertaken using Bartington Grad601 magnetic gradiometers. These were employed taking readings at 0.25m intervals on zig-zag traverses 1.0m apart within 30m by 30m grids, so that 3600 readings were recorded in each grid. These readings were stored in the memory of the instrument and later downloaded to computer for processing and interpretation. Bespoke in-house software was used to process and present the data. Further details are given in Appendix 1.

Reporting

A general site location plan, incorporating the 1:50000 Ordnance Survey (OS) mapping, is shown in Figure 1. Figure 2 displays the survey areas at a scale of 1:40000 whilst Figures 3-5

shows an overview of the three sections at a scale of 1:15000. Processed greyscale and interpretation overviews of the sections are shown in Figures 6-11 at a scale of 1:15000. Processed and minimally processed data, together with interpretation of the survey results are presented in Figures 12 to 119 inclusive at a scale of 1:1500.

Technical information on the equipment used, data processing and survey methodologies are given in Appendix 1. Technical information on locating the survey area is provided in Appendix 2. Appendix 3 describes the composition and location of the archive. A copy of the completed OASIS form is included in Appendix 4.

The survey methodology, report and any recommendations comply with guidelines outlined by the European Archaeological Council (Schmidt *et al*. 2015) and by the Chartered Institute for Archaeologists (CIfA 2020). All figures reproduced from Ordnance Survey mapping are with the permission of the controller of His Majesty's Stationery Office (© Crown copyright).

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

4 Results and Discussion (see Figures 12 to 119)

Ferrous anomalies and magnetic disturbance

Ferrous anomalies, as individual 'spikes', or as large discrete areas 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 or material is common on rural sites, often being present as a consequence of manuring or tipping/infilling. There is no obvious pattern or clustering to their distribution in this survey to suggest anything other than a random background scatter of ferrous debris in the plough-soil.

A former pond (**F1**) can be seen in Field CR152 which is shown on historic mapping dating from 1851 (NLS 2025).

A linear band of magnetic disturbance (**F2**) in Field CR187 corresponds to a modern farm track seen on aerial imagery.

Areas of magnetic disturbance in Fields CR234, CR405, CR 420, and CR415 is likely to be a result of 'green manuring'. Green waste is produced from organic and biodegradable

household waste as a fertiliser and soil conditioner. Up to 0.25% of this material, however, can be from non-organic waste including metal fragments and batteries (Gerrard *et al*. 2015).

Linear dipolar trends have been recorded within Fields CR6, CR20, CR21, CR23, CR25, CR40, CR61, CR70, CR72, CR93, CR103, CR104, CR106, CR109, CR232, CR279, and CR282 which relate to service pipes.

Circular Ferrous responses (**F3**) in Fields CR414, CR416, CR365, and CR387 relate to former pylons and have produced a 'button-like' effect and caused by the pylon base legs remaining in *situ*.

Magnetic disturbance along the limits of the survey areas is due to interference from metal fencing and adjacent tracks or roads.

Geological anomalies

The survey has detected anomalies throughout that have been interpreted as geological in origin. It is thought that the responses have been detected because of the variation in the composition and depth of the deposits of superficial material in which they derive. At times, during the survey, ground conditions were very wet which may have increased the alluvial responses.

Large zones of natural responses can be seen in Fields CR20, CR22, CR116, CR130, CR256, CR259, and CR387. The responses in CR116 are likely to indicate a former watercourse associated with Old Ings Dike and the responses in CR130 associated with flooding of the adjacent River Ouze.

To some degree, ploughing has also spread magnetic material across the site making it difficult to determine any coherent patterns. Fragmented, negative linear responses have also been interpreted as geological in origin. They likely represent desiccation cracks in the subsurface due to evaporated water that was once deposited in the soil.

Agricultural anomalies

Former field boundaries (**FB1** – **FB65**) have been recorded within Fields CR23, CR44, CR93, CR100, CR103, CR130, CR136, CR157, CR169, CR176, CR181, CR182, CR216, CR232, CR247, CR256, CR259, CR266, CR280, CR281, CR295, CR405, CR420, CR415, CR413, CR414, CR416, and CR365. Most of these boundaries correspond to historic mapping dating from 1851 (NLS 2026).

Medieval or post-medieval ridge and furrow cultivation has been recorded within Field CR51, CR72, CR106, CR109, CR182, CR198, CR413, CR387, CR365 on differing alignments.

Field drains with a low magnetic strength have been recorded in a number of the fields; their low magnetic strength is likely due to being constructed of a non-fired clay material.

Other parallel linear trends can be seen within most of the areas and are associated with modern ploughing. Only a selection of these have been highlighted on the interpretation diagrams to show the direction of the plough lines.

Uncertain anomalies

A magnetically weak curvilinear trend (**U1**) within Field CR21 corresponds to a feature seen on aerial imagery, it also relates to contours seen on historic mapping and a small mound visible on LiDAR data (NLS 2026).

A number of trends in Field CR40 may be of some interest given the enclosure that has been recorded. However, they are magnetically weak and are more likely to be of an agricultural origin.

Linear trend **U2** in Field CR130 lies parallel to former boundary **FB6**, it is possible that this also relates to a former boundary. However, it is much weaker in magnetic strength and may also relate to a field drain.

Parallel linear trends (**U3**) in Field CR169 have been highlighted as they do not align with the current ploughing regime. They may be associated with more historic ploughing or field drains.

Linear trends **U4** in Field CR176 may be of some interest, as they exhibit a stronger magnetic response than some of the other anomalies classified as *uncertain*. It is possible that they relate to former field systems.

An oval trend (**U5**) in Field CR256 measures approximately 21m in diameter. Whilst an archaeological origin is preferred, due to the surrounding geological responses this interpretation is tentative. To the south, in Field CR266 a further weak curvilinear anomaly (**U6**) has been recorded and is just visible above the magnetic background levels. Linear trend (**U7**) to the east of boundary **FB27** also in CR266 is likely to be agricultural, possibly a field drain.

Magnetically strong circular or oval pit-like responses (**U8**) in Field CR326 may indicate burnt or fired features. They may be of archaeological interest, but a modern date is also possible.

Similar responses to those at **U8** have also been recorded in Field CR405 at **U9** and a similar interpretation can be given.

Anomalies **U10** and **U11** in Field CR365 may be of some interest and linked with **P11**, however due to the small survey size and adjacent ferrous responses this interpretation is tentative.

Possible and definite archaeological anomalies

Anomalies of both an archaeological and possible archaeological origin have been recorded within the cable route with areas devoid of (archaeological) anomalies between and/or around them. Some of the features extend out of the Cable Route Corridor and are consequently likely to extend further into the fields.

Within Field CR23 there is the hint of a circular anomaly (**P1**) which measures approximately 15m in diameter. The anomaly is on the edge of the disturbance from the service pipe, hence the cautious interpretation.

A rectilinear enclosure (**A1**) and ditch response (**A2**) has been recorded in Field CR40. The enclosure measures approximately 26m by 26m with possible internal features. To the southwest of **A1** a short length of ditch (**P2**) can be seen and may be in some way connected with **A2** to make a boundary ditch.

A weak linear anomaly (**P3**) in Field CR181 may be of some interest and relate to part of a field system.

A number of anomalies have been recorded within Field CR247 which may be of some archaeological interest. In the southeast linear anomalies (**P4**) appear to form rectilinear enclosures or parts of field systems. Further to the west linear responses **P5**, **P6**, **P7** and **A3** are also likely to be field systems.

Two weak linear responses (**P8**) in Field CR405 are likely to be former field boundaries which pre-date available historic mapping. It is also possible they represent field drains.

Within Field CR418 a single, well defined rectilinear response (**A4**) suggests part of an enclosure or a former field system.

Anomalies within Field CR387 include numerous archaeological features such as the enclosure system (**A5**), trackway (**A6** and **P9**), linear ditches **A7** - **A10**, which are almost certainly field systems and a large ring ditch (**A11**) which measures approximately 38m in diameter. A number of weaker or ill-defined features are also recorded within this area that have been marked as *possible archaeology* on the interpretation diagrams such as those at **P10** which have a more pit-like response. Some of these anomalies have been recorded as cropmarks and recorded in the Historic Environment Record as being of an Iron Age / Romano-British date (1067622).

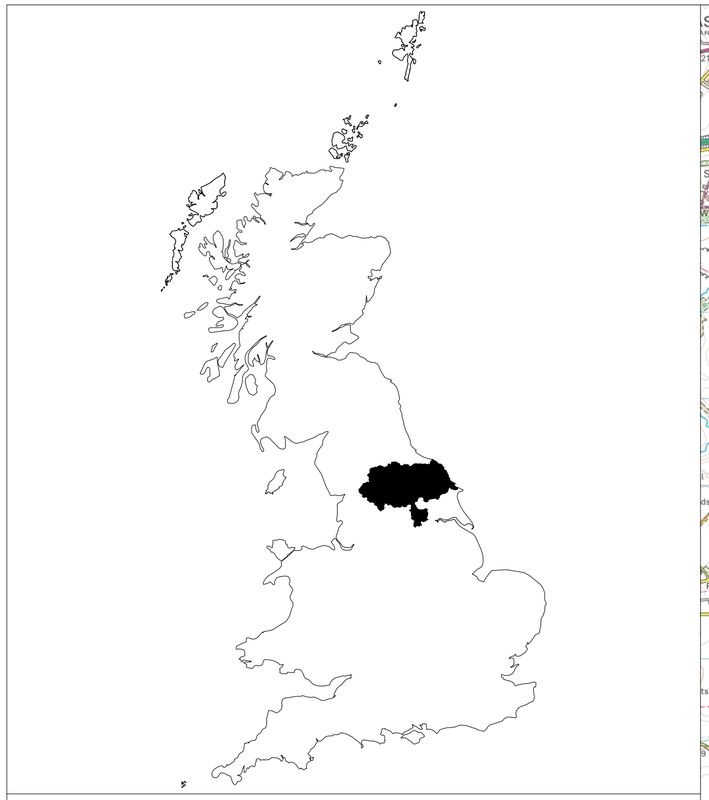
A handful of anomalies continue into Field CR365 which include **A12**, a continuation of **A9**. Linear responses **P11** and **P12** are likely to be the same feature and possibly part of the complex in Field CR387. In the west of CR365 a handful of weak linear trends **P13** and **P14**, again may represent parts of a former field system.

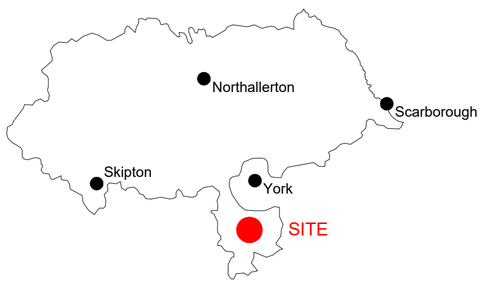
5 Conclusions

The geophysical survey has detected a number of magnetic anomalies associated with archaeological and possible archaeological origins in the forms of a rectilinear enclosures, linear and ring ditches, trackways and pits. Uncertain anomalies recorded within the data generally appear to be agricultural or geological in origin.

Former field boundaries have been recorded along with medieval/post-medieval ridge and furrow cultivation, modern ploughing, and land drains. Magnetic disturbance within the dataset can be attributed to adjacent tracks, metal fencing within field boundaries, electricity pylons, overhead cables, and service pipes. Geological responses seen within the dataset reflect either the topography of the site, discrete pockets of natural variations, or former watercourses.

Based on the geophysical survey, the archaeological potential of this Site is deemed to be high where there are areas of activity and low elsewhere.





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Site location

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Fig.1

Title

CABLE ROUTE CORRIDOR

0 2000m

1:50,000 @ A2

SECTION 1

SECTION 2

SECTION 3

N

4420000
4400000
4380000
4360000
4340000
4320000
4300000
4280000
4260000

4440000
4460000
4480000
4500000
4520000
4540000
4560000
4580000
4600000
4620000
4640000
4660000
4680000
4700000

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Location of survey areas

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Fig.2

Title

	STUDY SITE
	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	AREA SURVEYED

0 2000m

1:50,000 @ A2

SECTOR 1
SEE FIGS 12-14

SECTOR 2
SEE FIGS 15-17

SECTOR 3
SEE FIGS 18-20

SECTOR 4
SEE FIGS 21-23

SECTOR 5
SEE FIGS 24-26

SECTOR 6
SEE FIGS 27-29

SECTOR 7
SEE FIGS 30-32

SECTOR 8
SEE FIGS 33-35

SECTOR 9
SEE FIGS 36-38

SECTOR 10
SEE FIGS 39-41

CR6
CR12
CR15
CR20
CR21
CR22
CR23
CR24
CR25
CR27
CR29
CR31
CR40
CR44
CR50
CR51
CR54
CR61
CR70
CR72
CR83
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CR87
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CR100
CR102
CR103
CR104
CR106
CR109
CR116
CR120
CR122
CR129
CR130
CR132

4410 00
4400 00
4390 00
4380 00
4370 00
3360 00

600 00
610 00
620 00
630 00
640 00
650 00
660 00
670 00
680 00

N

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Location of survey areas - Section 1

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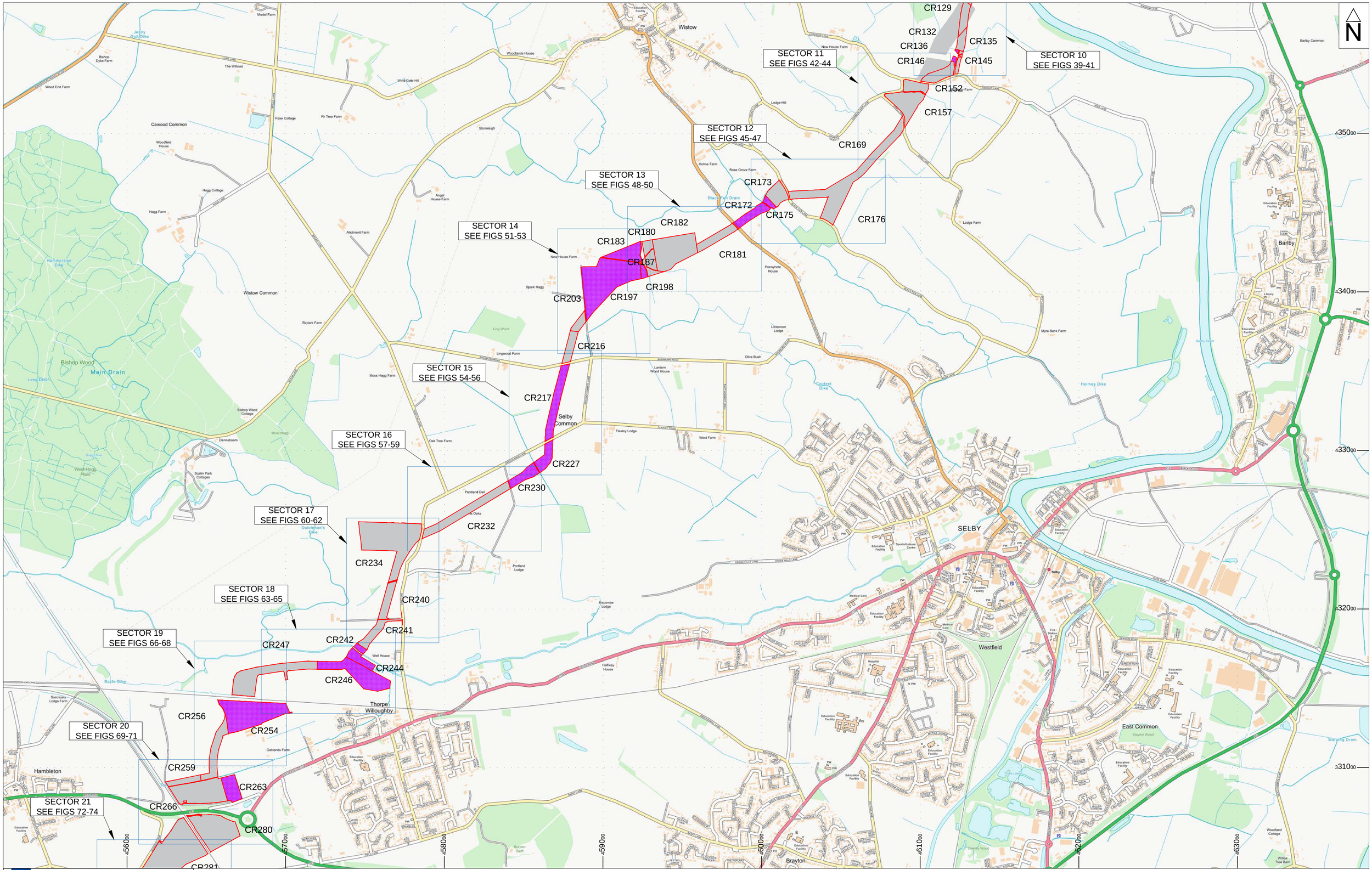
Fig.3

Title

STUDY SITE	NOT AVAILABLE
SECTOR BOUNDARY	
CR100	FIELD NUMBERS
	AREA SURVEYED

0 500m

1:15,000 @ A2



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Location of survey areas - Section 2

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Fig.4

Title

STUDY SITE	NOT AVAILABLE
SECTOR BOUNDARY	
CR100 FIELD NUMBERS	
AREA SURVEYED	

0 500m

1:15,000 @ A2

N

SECTOR 19
SEE FIGS 66-68

SECTOR 24
SEE FIGS 81-83

SECTOR 25
SEE FIGS 84-86

SECTOR 20
SEE FIGS 69-71

SECTOR 21
SEE FIGS 72-74

SECTOR 22
SEE FIGS 75-77

SECTOR 23
SEE FIGS 78-80

SECTOR 26
SEE FIGS 87-89

SECTOR 27
SEE FIGS 90-92

SECTOR 28
SEE FIGS 93-95

SECTOR 29
SEE FIGS 96-98

SECTOR 30
SEE FIGS 99-101

SECTOR 31
SEE FIGS 102-104

SECTOR 32
SEE FIGS 105-107

SECTOR 33
SEE FIGS 108-110

SECTOR 34
SEE FIGS 111-113

SECTOR 35
SEE FIGS 114-116

SECTOR 36
SEE FIGS 117-119

CR250 CR253 CR256 CR257 CR259 CR260 CR266 CR270 CR271 CR279 CR281 CR282 CR285 CR287 CR289 CR290 CR291 CR292 CR293 CR294 CR295 CR297 CR304 CR306 CR309 CR311 CR317 CR319 CR322 CR323 CR324 CR326 CR328 CR334 CR344 CR365 CR387 CR397 CR403 CR405 CR407 CR411 CR413 CR414 CR415 CR416 CR418 CR420 CR461 CR464 CR465 CR466

South Milford · Lumby · Monk Fryston · Hillam · Burton Salmon · Hambleton · Gateforth

Mill Dike · Bailey Dike · Main Drain · Lumby Common Drain · Common Drain · Milford Common Drain · Habblethorpe Dike · Riccall Dike · Rivet Drain

4320 00 · 4310 00 · 4300 00 · 4290 00 · 4280 00

4490 00 · 4500 00 · 4510 00 · 4520 00 · 4530 00 · 4540 00 · 4550 00 · 4560 00

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Location of survey areas - Section 3

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Fig.5

Title

STUDY SITE	NOT AVAILABLE
SECTOR BOUNDARY	
CR100 FIELD NUMBERS	
AREA SURVEYED	

0 500m

1:15,000 @ A2

SECTOR 1
SEE FIGS 12-14

SECTOR 2
SEE FIGS 15-17

SECTOR 3
SEE FIGS 18-20

SECTOR 4
SEE FIGS 21-23

SECTOR 5
SEE FIGS 24-26

SECTOR 6
SEE FIGS 27-29

SECTOR 7
SEE FIGS 30-32

SECTOR 8
SEE FIGS 33-35

SECTOR 9
SEE FIGS 36-38

SECTOR 10
SEE FIGS 39-41

CR6
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4630 00
4640 00
4650 00
4660 00
4670 00
4680 00

N

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Overall greyscale of processed magnetometer data - Section 1

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Fig.6

Title

STUDY SITE
SECTOR BOUNDARY
CR100 FIELD NUMBERS
NOT AVAILABLE

nT -1.0 2.0

0 500m
1:15,000 @ A2

SECTOR 1
SEE FIGS 12-14

SECTOR 2
SEE FIGS 15-17

SECTOR 3
SEE FIGS 18-20

SECTOR 4
SEE FIGS 21-23

SECTOR 5
SEE FIGS 24-26

SECTOR 6
SEE FIGS 27-29

SECTOR 7
SEE FIGS 30-32

SECTOR 8
SEE FIGS 33-35

SECTOR 9
SEE FIGS 36-38

SECTOR 10
SEE FIGS 39-41

CR6
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CR70
CR72
CR83
CR85
CR87
CR91
CR93
CR96
CR97
CR98
CR100
CR102
CR103
CR104
CR106
CR109
CR116
CR120
CR122
CR129
CR130
CR132

Stillingfleet Moor
Kelfield Moor
Hollicarrs Wood
Crook Moor
North Woods
Skipwith
Little Skipwith
Skipwith Common
North Duffield Common
Riccall Common
Demesne Moor or Hall Moor
River Ouse
Dam Dike
Holme Dike
Angram Dike
Old Ings Dike
Clough Dike
Soaking March Clough
Common Drain
Towdikes Drain
Bentley Park Drain
Heron Dike
Parkhill Drain
Southfield Drain

4410 00
4400 00
4390 00
4380 00
4370 00
4360 00
600 00
610 00
620 00
630 00
640 00
650 00
660 00
670 00
680 00

N

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Overall interpretation of magnetometer data - Section 1

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Fig.7

Title

- STUDY SITE
- SECTOR BOUNDARY
- CR100 FIELD NUMBERS
- NOT AVAILABLE

Interpretation

- FERROUS
- SERVICE PIPE
- MAGNETIC DISTURBANCE
- FIELD DRAIN
- RIDGE & FURROW
- AGRICULTURAL
- FORMER FIELD BOUNDARY
- GEOLOGY
- UNCERTAIN
- ARCHAEOLOGY?
- ARCHAEOLOGY

0 500m

1:15,000 @ A2

SECTOR 10
SEE FIGS 39-41

SECTOR 11
SEE FIGS 42-44

SECTOR 12
SEE FIGS 45-47

SECTOR 13
SEE FIGS 48-50

SECTOR 14
SEE FIGS 51-53

SECTOR 15
SEE FIGS 54-56

SECTOR 16
SEE FIGS 57-59

SECTOR 17
SEE FIGS 60-62

SECTOR 18
SEE FIGS 63-65

SECTOR 19
SEE FIGS 66-68

SECTOR 20
SEE FIGS 69-71

SECTOR 21
SEE FIGS 72-74

CR129
CR132
CR135
CR136
CR145
CR146
CR152
CR157
CR169
CR172
CR173
CR175
CR176
CR180
CR181
CR182
CR183
CR187
CR197
CR198
CR203
CR216
CR217
CR227
CR230
CR232
CR234
CR240
CR241
CR242
CR244
CR246
CR247
CR254
CR256
CR259
CR263
CR266
CR280
CR281

Wistow
Cawood Common
Wistow Common
Bishop Wood
Selby Common
Barlby
SELBY
Westfield
East Common
Hambleton
Brayton

4350000
4340000
4330000
4320000
4310000
4560000
4570000
4580000
4590000
4600000
4610000
4620000
4630000

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Overall greyscale of processed magnetometer data - Section 2

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Fig.8

Title

STUDY SITE
SECTOR BOUNDARY
CR100 FIELD NUMBERS
NOT AVAILABLE

nT -1.0 2.0

0 500m
1:15,000 @ A2

SECTOR 10
SEE FIGS 39-41

SECTOR 11
SEE FIGS 42-44

SECTOR 12
SEE FIGS 45-47

SECTOR 13
SEE FIGS 48-50

SECTOR 14
SEE FIGS 51-53

SECTOR 15
SEE FIGS 54-56

SECTOR 16
SEE FIGS 57-59

SECTOR 17
SEE FIGS 60-62

SECTOR 18
SEE FIGS 63-65

SECTOR 19
SEE FIGS 66-68

SECTOR 20
SEE FIGS 69-71

SECTOR 21
SEE FIGS 72-74

CR129
CR132
CR135
CR136
CR145
CR146
CR152
CR157
CR169
CR172
CR173
CR175
CR176
CR180
CR181
CR182
CR183
CR187
CR197
CR198
CR203
CR216
CR217
CR227
CR230
CR232
CR234
CR240
CR241
CR242
CR244
CR246
CR247
CR254
CR256
CR259
CR263
CR266
CR280
CR281

Wistow
Cawood Common
Wistow Common
Bishop Wood
Main Drain
Selby Common
Thorpe Willoughby
Hambleton
Brayton
SELBY
Barlby
Westfield
East Common
Barlby Common

4350000
4340000
4330000
4320000
3310000
4560000
4570000
4580000
4590000
4600000
4610000
4620000
4630000

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Overall interpretation of magnetometer data - Section 2

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Fig.9

Title

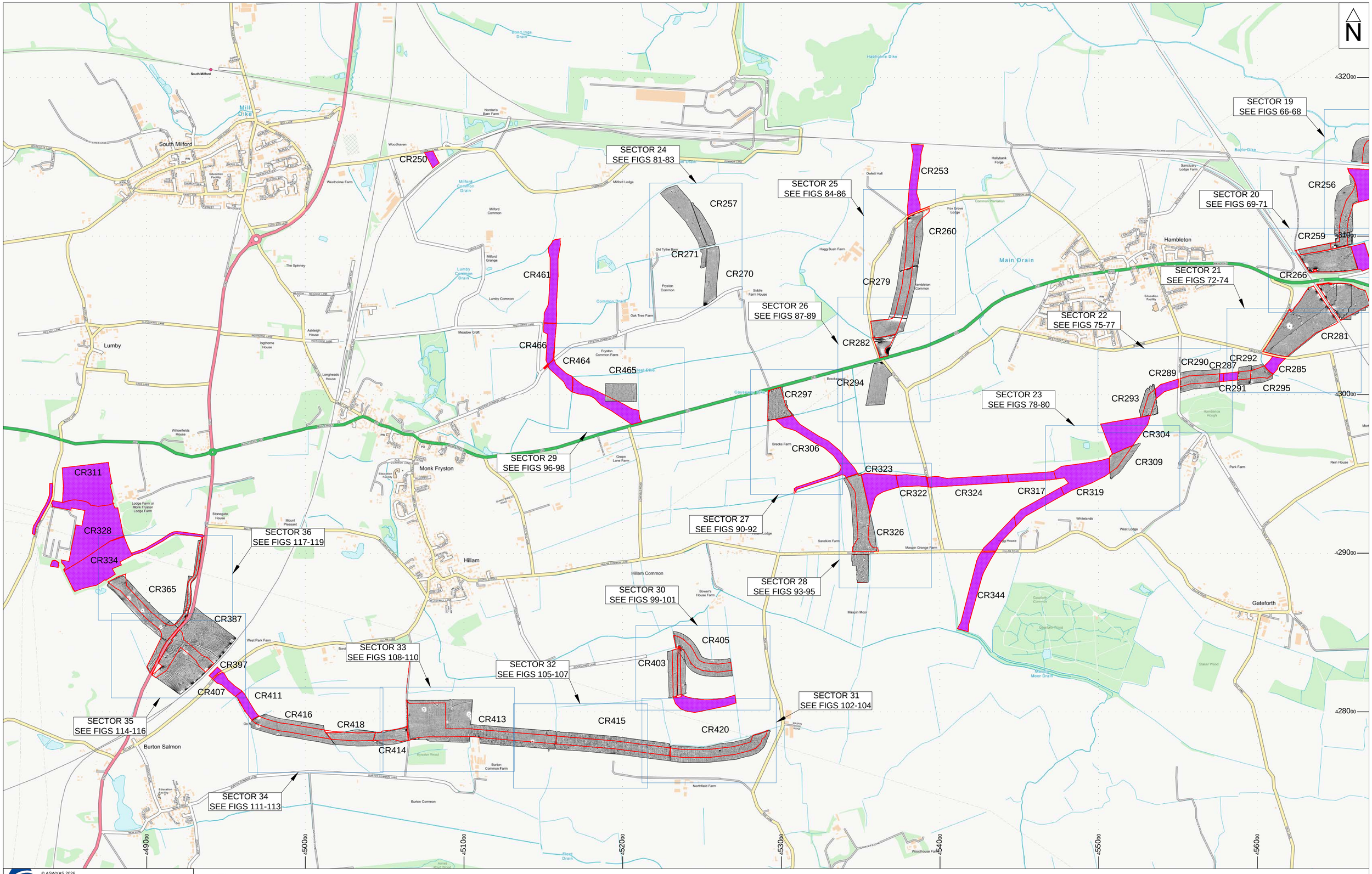
- STUDY SITE
- SECTOR BOUNDARY
- CR100 FIELD NUMBERS
- NOT AVAILABLE

Interpretation

- FERROUS
- SERVICE PIPE
- MAGNETIC DISTURBANCE
- FIELD DRAIN
- RIDGE & FURROW
- AGRICULTURAL
- FORMER FIELD BOUNDARY
- GEOLOGY
- UNCERTAIN
- ARCHAEOLOGY?
- ARCHAEOLOGY
- GREEN WASTE

0 500m

1:15,000 @ A2



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Overall greyscale of processed magnetometer data - Section 3

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Fig.10

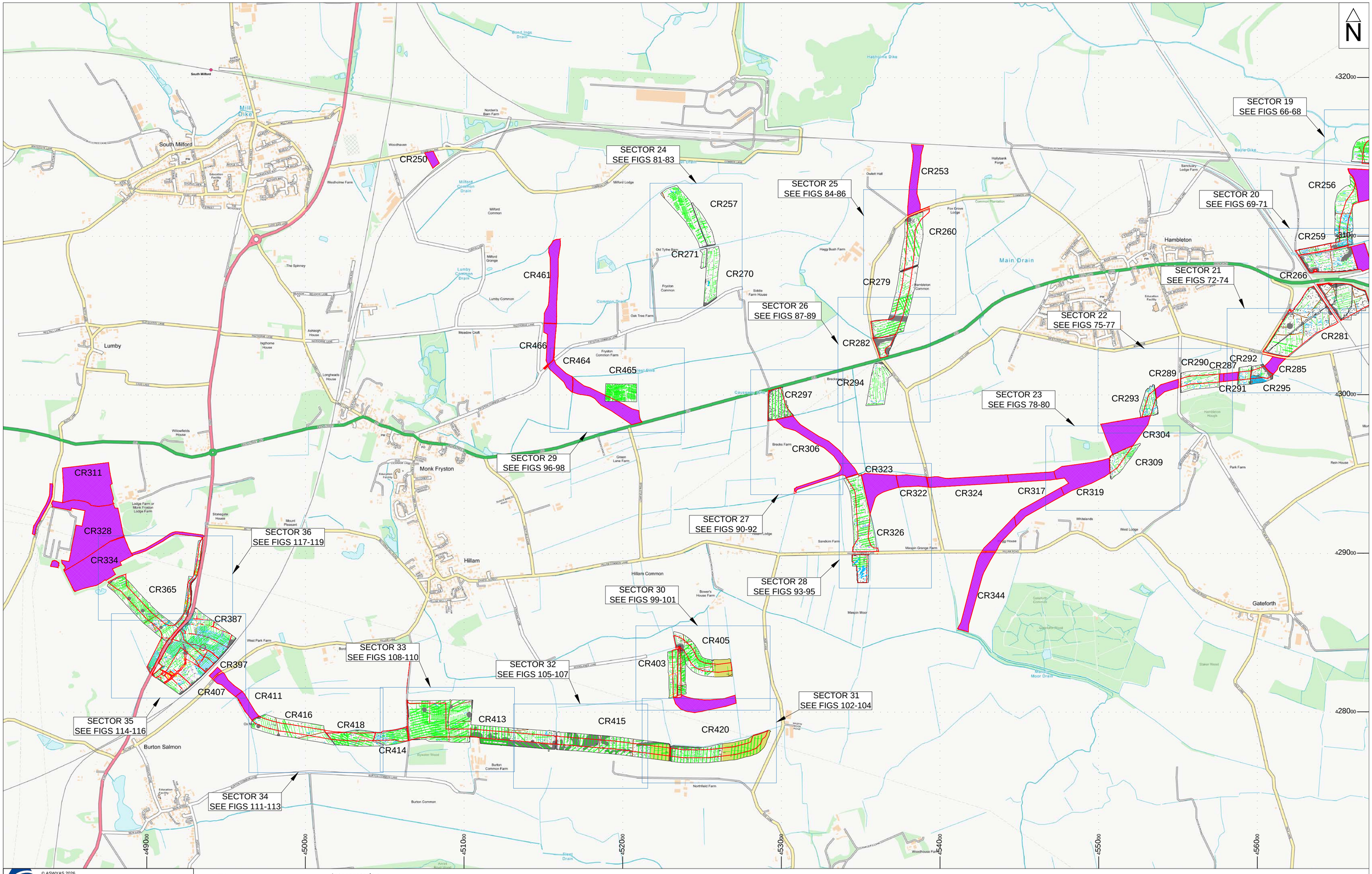
Title

	STUDY SITE
	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 500m

1:15,000 @ A2



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Overall interpretation of magnetometer data - Section 3

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Fig.11

Title

	STUDY SITE
	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

Interpretation

FERROUS	MAGNETIC DISTURBANCE	AGRICULTURAL	UNCERTAIN	GREEN WASTE	
SERVICE PIPE	FIELD DRAIN	FORMER FIELD BOUNDARY	ARCHAEOLOGY?		
OVERHEAD CABLE	RIDGE & FURROW	GEOLOGY	ARCHAEOLOGY		

0 500m

1:15,000 @ A2

N

4408 00

4406 00

4404 00

4402 00

4648 00

4650 00

4652 00

CR6

CR20

CR12

CR22

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Processed greyscale magnetometer data; Sector 1

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Fig.12

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2

N

4408 00

4406 00

4404 00

4402 00

6048 00

6050 00

6052 00

CR6

CR20

CR12

CR22

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XY trace plot of minimally processed greyscale magnetometer data; Sector 1

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Fig.13

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2

N

4408 00

4406 00

4404 00

4402 00

4648 00

4650 00

4652 00

CR6

CR20

CR12

CR22

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Interpretation of magnetometer data; Sector 1

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Fig.14

Title

- SECTOR BOUNDARY
- CR100 FIELD NUMBERS
- NOT AVAILABLE

Interpretation

- FERROUS
- SERVICE PIPE
- MAGNETIC DISTURBANCE
- FIELD DRAIN
- AGRICULTURAL
- GEOLOGY
- UNCERTAIN

0 50m

1:1500 @ A2

CR20

CR12

CR15

CR22

CR24

CR27

N

4402^{00}

4400^{00}

4398^{00}

4648^{00}

4650^{00}

4652^{00}

4654^{00}

4656^{00}

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Processed greyscale magnetometer data; Sector 2

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Fig.15

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2

CR20

CR12

CR15

CR22

CR24

CR27

N

4402^{00}

4400^{00}

4398^{00}

4648^{00}

4650^{00}

4652^{00}

4654^{00}

4656^{00}

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XY trace plot of minimally processed greyscale magnetometer data; Sector 2

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Fig.16

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2

CR20

CR12

CR15

CR22

CR24

CR27

P1

U1

N

4402 00

4400 00

4398 00

4648 00

4650 00

4652 00

4654 00

4656 00

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Fig.17

Title

- SECTOR BOUNDARY
- CR100 FIELD NUMBERS
- NOT AVAILABLE

Interpretation

- FERROUS
- SERVICE PIPE
- MAGNETIC DISTURBANCE
- FIELD DRAIN
- AGRICULTURAL
- GEOLOGY
- UNCERTAIN
- ARCHAEOLOGY?

0 50m

1:1500 @ A2

N

CR22

CR23

CR25

CR27

CR21

CR29

Charity Farm

Nightingale Wood

4400 00

4398 00

4396 00

4644 00

4646 00

4648 00

4650 00

4652 00

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Processed greyscale magnetometer data; Sector 3

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Fig.18

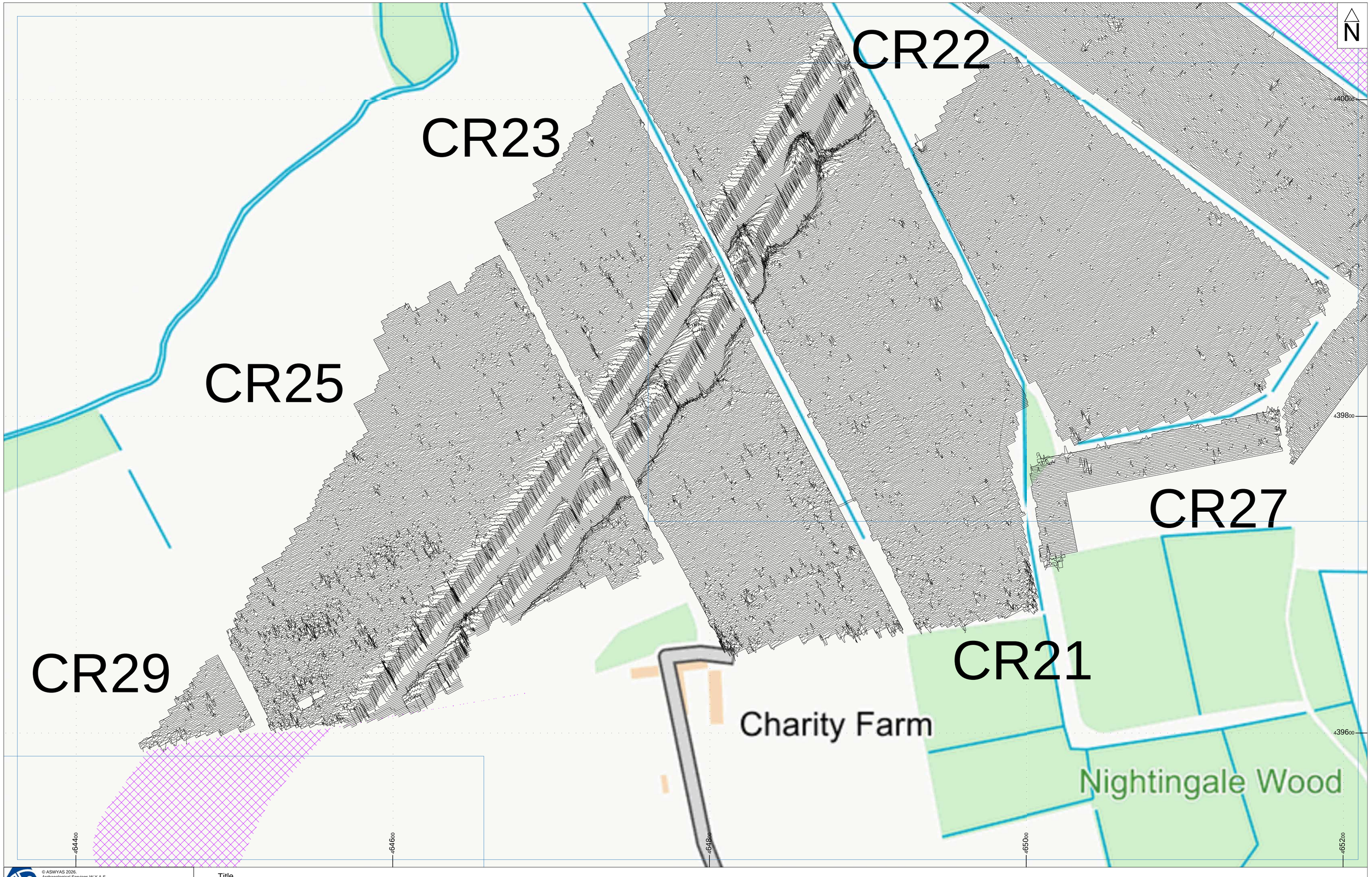
Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2



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XY trace plot of minimally processed greyscale magnetometer data; Sector 3

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Fig.19

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2

CR22

CR23

CR25

CR27

CR29

CR21

P1

U1

FB1

Charity Farm

Nightingale Wood

N

4400 00

4398 00

4396 00

4644 00

4646 00

4648 00

4650 00

4652 00

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Interpretation of magnetometer data; Sector 3

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Fig.20

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

Interpretation

	FERROUS		FIELD DRAIN		UNCERTAIN
	SERVICE PIPE		AGRICULTURAL		ARCHAEOLOGY?
	MAGNETIC DISTURBANCE		GEOLOGY		

0 50m

1:1500 @ A2

N

Charity Plantation

CR31

CR40

CR44

CR50

CR54

4394 00

4392 00

4390 00

4388 00

4642 00

4644 00

4646 00

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Processed greyscale magnetometer data; Sector 4

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Fig.21

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2

N

Charity Plantation

CR31

CR40

CR44

CR50

CR54

439400

439200

439000

438800

464200

464400

464600

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XY trace plot of minimally processed greyscale magnetometer data; Sector 4

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Fig.22

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2

N

CR31

Charity Plantation

A2

A1

P2

CR40

CR44

FB2

CR50

CR54

439400

439200

439000

438800

464200

464400

464600

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Interpretation of magnetometer data; Sector 4

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Fig.23

Title

- SECTOR BOUNDARY
- CR100 FIELD NUMBERS
- NOT AVAILABLE

Interpretation

- FERROUS
- SERVICE PIPE
- MAGNETIC DISTURBANCE
- FIELD DRAIN
- AGRICULTURAL
- FORMER FIELD BOUNDARY
- GEOLOGY
- UNCERTAIN
- ARCHAEOLOGY?
- ARCHAEOLOGY

0 50m

1:1500 @ A2

Anne's Plantation

CR51

CR5

CR61

CR70

N

4390 00

4388 00

4386 00

4384 00

463 800

464 000

464 200

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Processed greyscale magnetometer data; Sector 5

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Fig.24

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2

N

Anne's Plantation

CR51

CR5

CR61

CR70

4390m

4388m

4386m

4384m

4638m

4640m

4642m

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XY trace plot of minimally processed greyscale magnetometer data; Sector 5

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Fig.25

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2

Anne's Plantation

CR51

CR5

CR61

CR70

N

4390 00

4388 00

4386 00

4384 00

4638 00

4640 00

4642 00

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Interpretation of magnetometer data; Sector 5

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Fig.26

Title

- SECTOR BOUNDARY
- CR100 FIELD NUMBERS
- NOT AVAILABLE

Interpretation

- FERROUS
- SERVICE PIPE
- MAGNETIC DISTURBANCE
- FIELD DRAIN
- RIDGE & FURROW
- AGRICULTURAL
- GEOLOGY

0 50m

1:1500 @ A2

am Dike

N

CR72

CR83

CR85

4384 00

4382 00

4380 00

4378 00

4632 00

4634 00

4636 00

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Processed greyscale magnetometer data; Sector 6

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Fig.27

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2

am Dike

N

CR72

CR83

CR85

4384 00

4382 00

4380 00

4378 00

4632 00

4634 00

4636 00

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XY trace plot of minimally processed greyscale magnetometer data; Sector 6

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Fig.28

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2

am Dike

CR72

CR83

CR85

N

438400

438200

438000

437800

437600

463200

463400

463600

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Interpretation of magnetometer data; Sector 6

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Fig.29

Title

- SECTOR BOUNDARY
- CR100 FIELD NUMBERS
- NOT AVAILABLE

Interpretation

- FERROUS
- SERVICE PIPE
- MAGNETIC DISTURBANCE
- FIELD DRAIN
- RIDGE & FURROW
- AGRICULTURAL
- GEOLOGY

0 50m

1:1500 @ A2

CR87

CR91

CR93

East Field

CR96

KING R

4376^{00}

4374^{00}

4626^{00}

4628^{00}

4630^{00}

4632^{00}

N

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Processed greyscale magnetometer data; Sector 7

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Fig.30

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2

CR87

CR91

CR93

East Field

CR96

KING R

4376 00

4374 00

4626 00

4628 00

4630 00

4632 00

N

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XY trace plot of minimally processed greyscale magnetometer data; Sector 7

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Fig.31

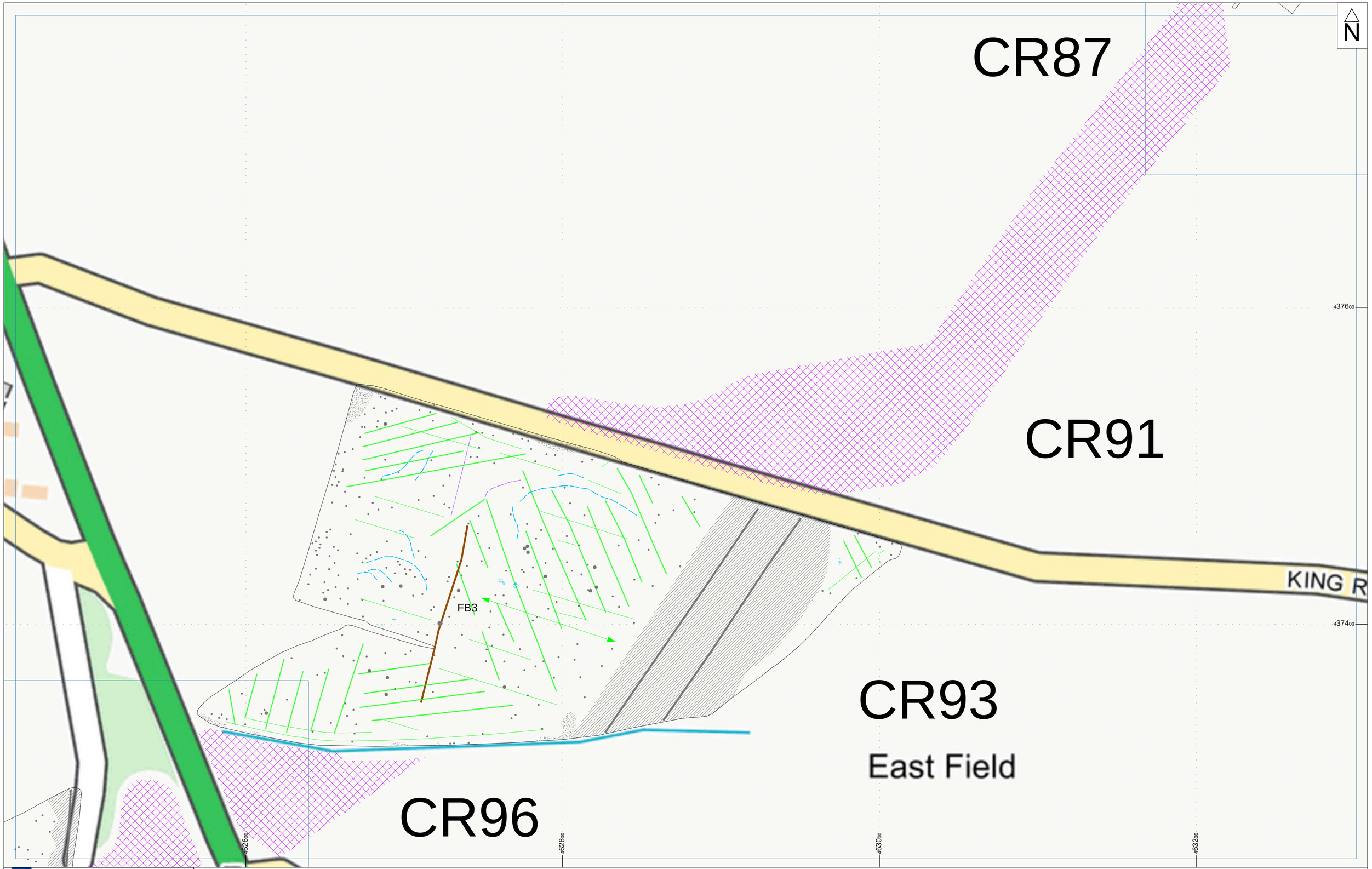
Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2



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Fig.32

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

Interpretation

FERROUS	FIELD DRAIN	GEOLOGY
SERVICE PIPE	AGRICULTURAL	UNCERTAIN
MAGNETIC DISTURBANCE	FORMER FIELD BOUNDARY	

0 50m

1:1500 @ A2

CR97

CR98

CR100

CR102

A19

CHECKER LANE

4372^{00}

4370^{00}

4616^{00}

4620^{00}

4622^{00}

4624^{00}

4626^{00}

N

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Processed greyscale magnetometer data; Sector 8

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Fig.33

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2

CR97

CR98

CR100

CR102

A19

CHECKER LANE

4372^{00}

4370^{00}

4618^{00}

4620^{00}

4622^{00}

4624^{00}

4626^{00}

N

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XY trace plot of minimally processed greyscale magnetometer data; Sector 8

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Fig.34

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2

CR97

CR98

CR100

CR102

FB4

FB5

A19

CHECKER LANE

N

437200

437000

461800

462000

462200

462400

462600

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Fig.35

Title

- SECTOR BOUNDARY
- CR100 FIELD NUMBERS
- NOT AVAILABLE

Interpretation

- FERROUS
- SERVICE PIPE
- MAGNETIC DISTURBANCE
- FIELD DRAIN
- AGRICULTURAL
- FORMER FIELD BOUNDARY
- GEOLOGY
- UNCERTAIN

0 50m

1:1500 @ A2

CR106

West Field

CR104

CR109

CR116

CR120

N

4370 00

4368 00

4366 00

4364 00

4614 00

4616 00

4618 00

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Procesesed greyscale magnetometer data; Sector 9

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Fig.36

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2

CR106

West Field

CR104

N

4370 00

4368 00

Dike

CR109

ike

CR116

4366 00

4364 00

CR120

4614 00

4616 00

4618 00

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XY trace plot of minimally procesesed greyscale magnetometer data; Sector 9

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Fig.37

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2

CR106

West Field

CR104

N

4370 00

4368 00

Marsh Dike

CR109

ike

CR116

4366 00

4364 00

CR120

4614 00

4616 00

4618 00

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Interpretation of magnetometer data; Sector 9

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Fig.38

Title

- SECTOR BOUNDARY
- CR100 FIELD NUMBERS
- NOT AVAILABLE

Interpretation

- FERROUS
- SERVICE PIPE
- MAGNETIC DISTURBANCE
- FIELD DRAIN
- RIDGE & FURROW
- AGRICULTURAL
- FORMER FIELD BOUNDARY
- GEOLOGY
- UNCERTAIN

0 50m

1:1500 @ A2

N

CR130

CR129

CR132

CR135

CR145

436000

435800

435600

435400

461000

461200

461400

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Processed greyscale magnetometer data; Sector 10

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Fig.39

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2

N

CR130

CR129

CR132

CR135

CR145

146

4360 00

4358 00

4356 00

4354 00

4610 00

4612 00

4614 00

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XY trace plot of minimally processed greyscale magnetometer data; Sector 10

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Fig.40

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2

N

CR130

CR129

CR132

CR135

CR145

U2

FB6

FB7

4360 00

4358 00

4356 00

4354 00

4610 00

4612 00

4614 00

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Interpretation of magnetometer data; Sector 10

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Fig.41

Title

- SECTOR BOUNDARY
- CR100 FIELD NUMBERS
- NOT AVAILABLE

Interpretation

- FERROUS
- SERVICE PIPE
- MAGNETIC DISTURBANCE
- FIELD DRAIN
- AGRICULTURAL
- FORMER FIELD BOUNDARY
- GEOLOGY
- UNCERTAIN

0 50m

1:1500 @ A2

CR136

CR146

CR152

CR157

N

MAN CARR LANE

SAND LANE

SAND LANE

4354 00

4352 00

4350 00

4348 00

4606 00

4608 00

4610 00

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Processed greyscale magnetometer data; Sector 11

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Fig.42

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2

CR136

CR146

CR152

CR157

MAN CARR LANE

SAND LANE

SAND LANE

N

354 00

352 00

350 00

348 00

606 00

608 00

610 00

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XY trace plot of minimally processed greyscale magnetometer data; Sector 11

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Fig.43

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2

CR136

CR146

CR152

CR157

N

F1

FB8

U3

FB9

FB10

FB11

MAN CARR LANE

SAND LANE

SAND LANE

435400

435200

435000

434800

434600

434800

434800

461000

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Fig.44

Title

- SECTOR BOUNDARY
- CR100 FIELD NUMBERS
- NOT AVAILABLE

Interpretation

- FERROUS
- SERVICE PIPE
- MAGNETIC DISTURBANCE
- FIELD DRAIN
- AGRICULTURAL
- FORMER FIELD BOUNDARY
- GEOLOGY
- UNCERTAIN

0 50m

1:1500 @ A2

N

arm

CR173

CR175

CR176

BLACK FEN LANE

4348 00

4346 00

4344 00

4600 00

4602 00

4604 00

4606 00

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Processed greyscale magnetometer data; Sector 12

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Fig.45

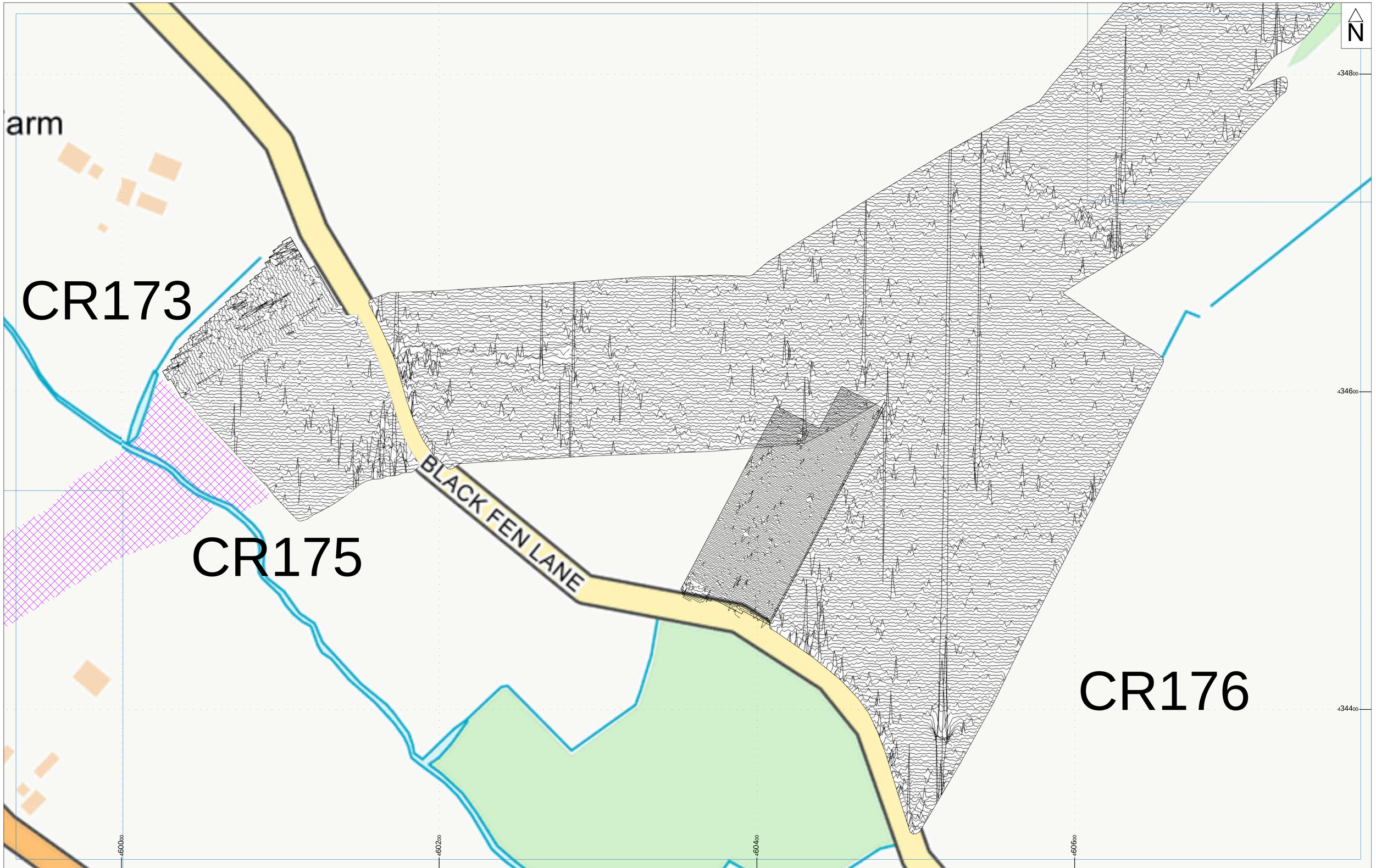
Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2



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Fig.46

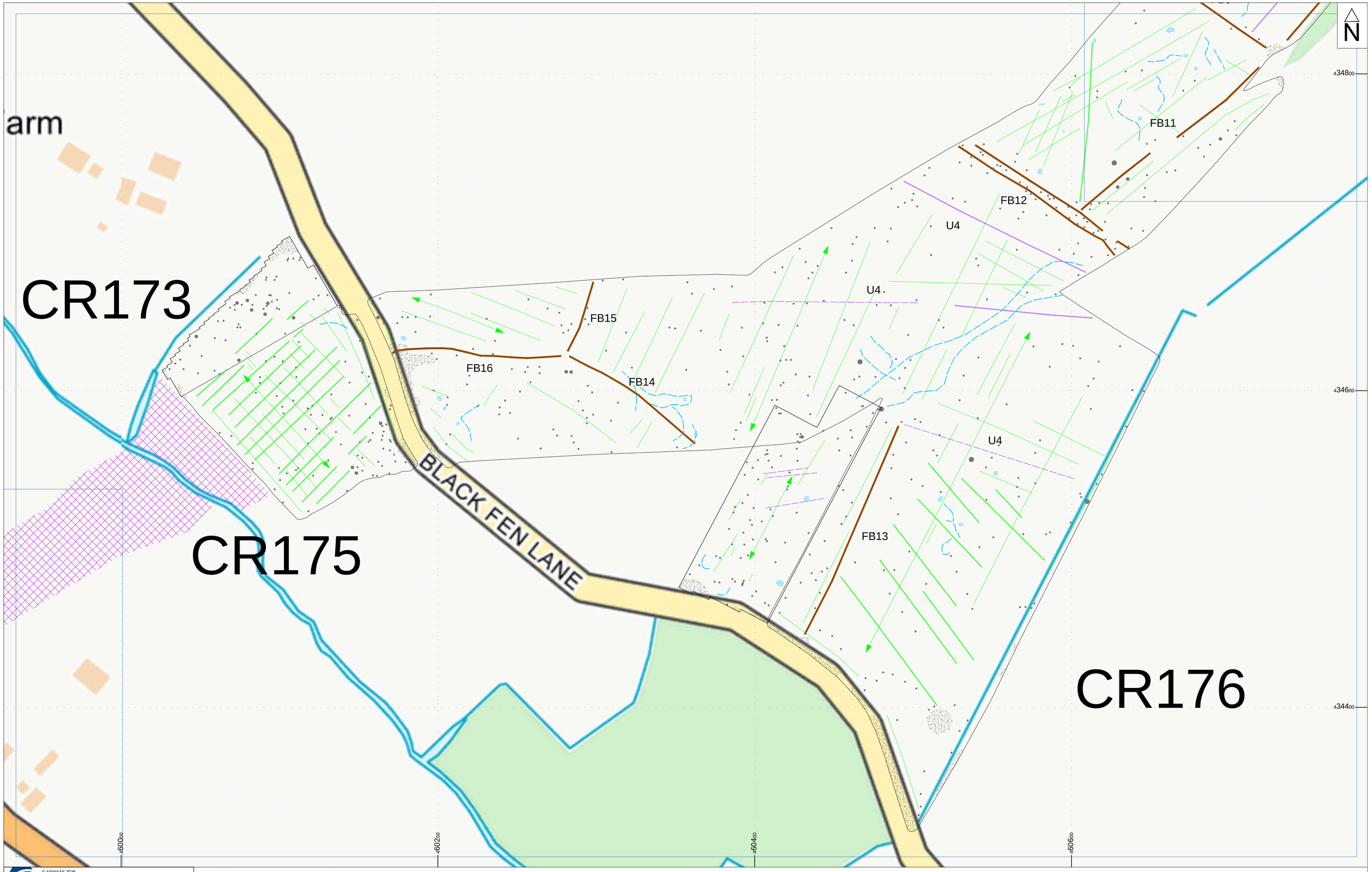
Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2



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Fig.47

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

Interpretation

	FERROUS		AGRICULTURAL		UNCERTAIN
	MAGNETIC DISTURBANCE		FORMER FIELD BOUNDARY		
	FIELD DRAIN		GEOLOGY		

0 50m

1:1500 @ A2

B1223

CR172

CR182

CR180

CR181

CR187

CR198

N

4344 00

4342 00

4592 00

4594 00

4596 00

4598 00

4600 00

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Processed greyscale magnetometer data; Sector 13

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Fig.48

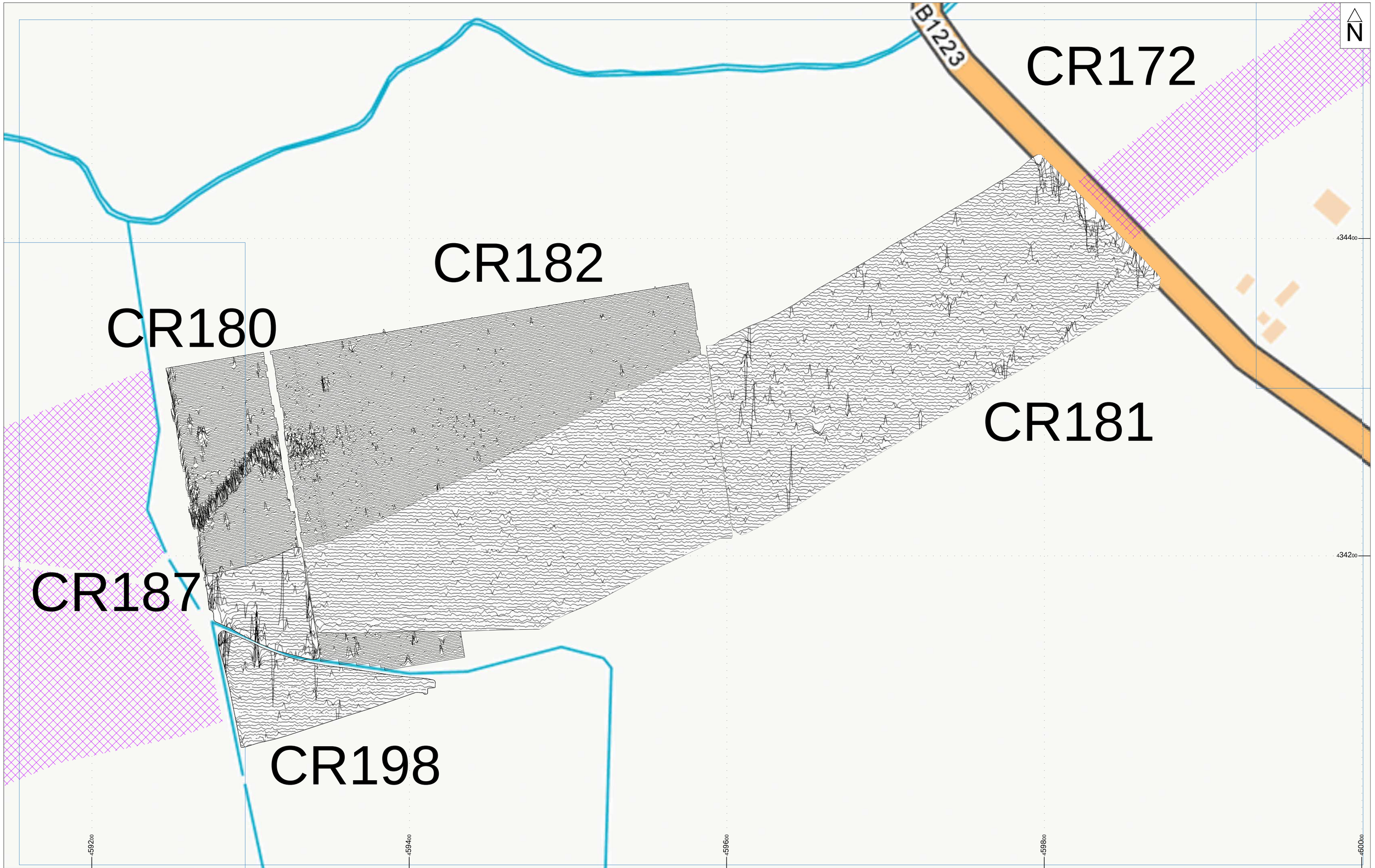
Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2



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XY trace plot of minimally processed greyscale magnetometer data; Sector 13

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Fig.49

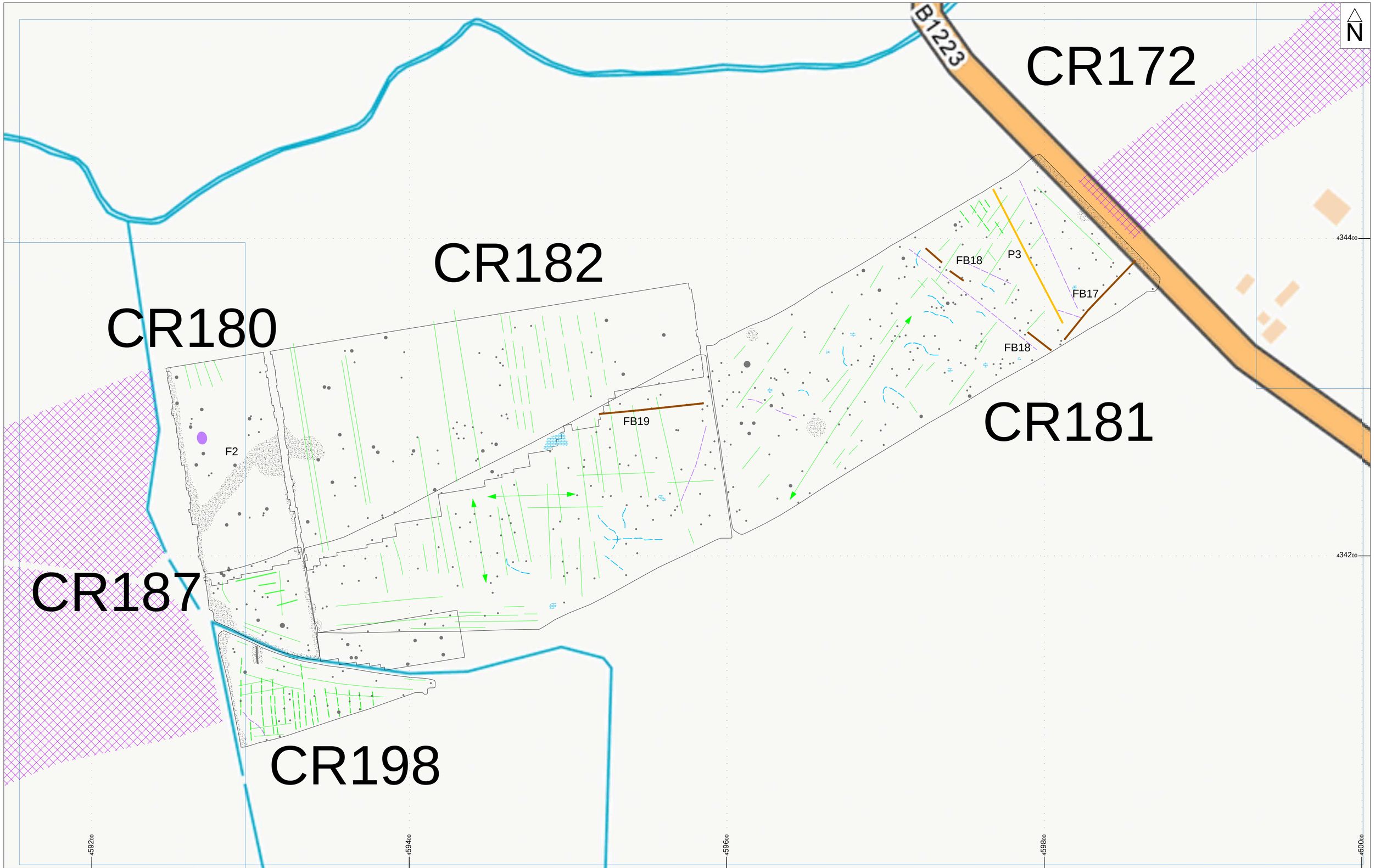
Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2



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Fig.50

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

Interpretation

	FERROUS		AGRICULTURAL		GEOLOGY
	MAGNETIC DISTURBANCE		RIDGE & FURROW		UNCERTAIN
	FIELD DRAIN		FORMER FIELD BOUNDARY		ARCHAEOLOGY?

0 50m

1:1500 @ A2

v House Farm

CR183

CR187

CR197

CR203

CR216

4344 00

4342 00

4340 00

4338 00

458 800

459 000

459 200

N

0 50m

1:1500 @ A2

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Processed greyscale magnetometer data; Sector 14

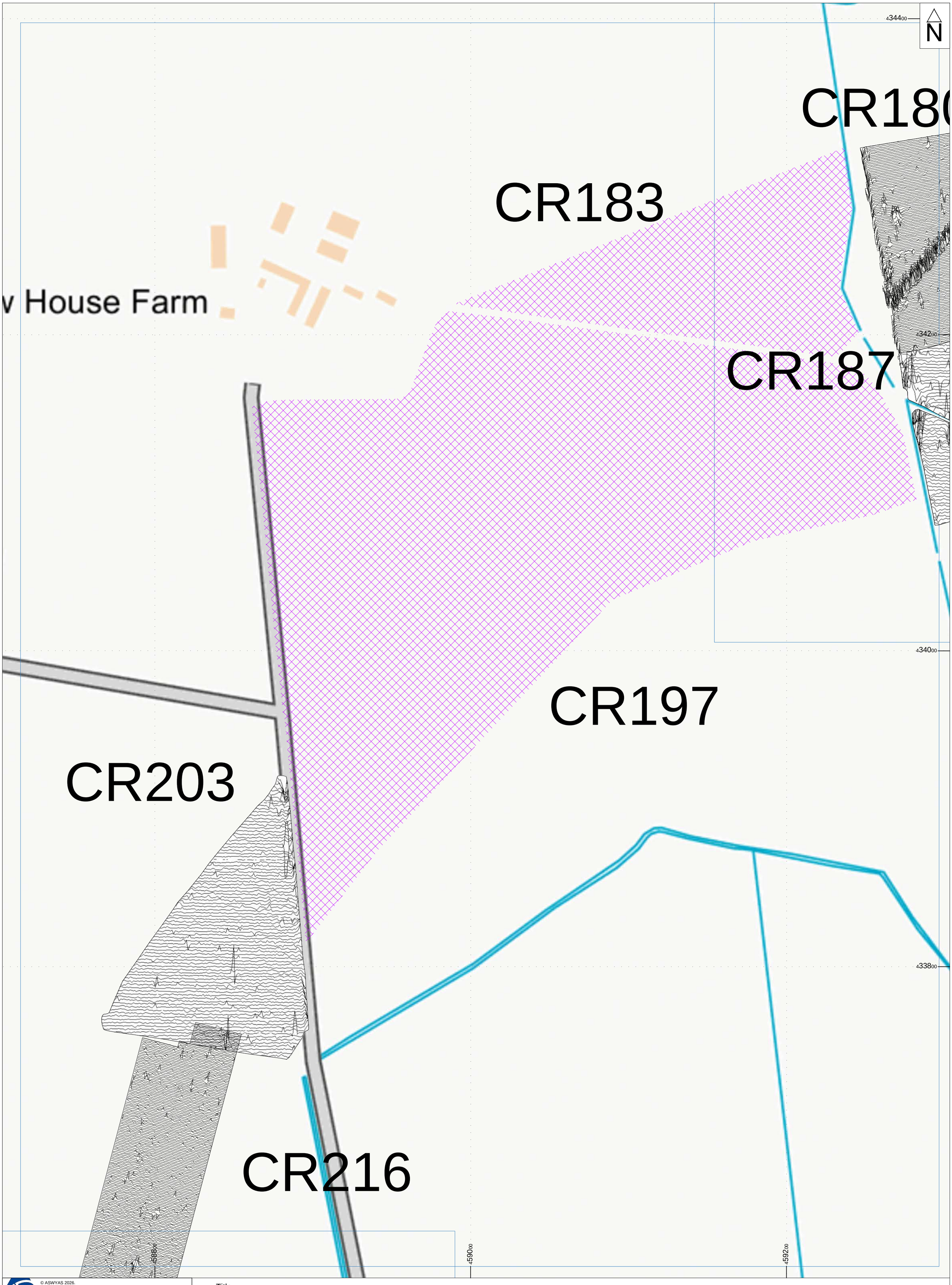
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Fig.51

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0



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XY trace plot of minimally processed greyscale magnetometer data; Sector 14

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Fig.52

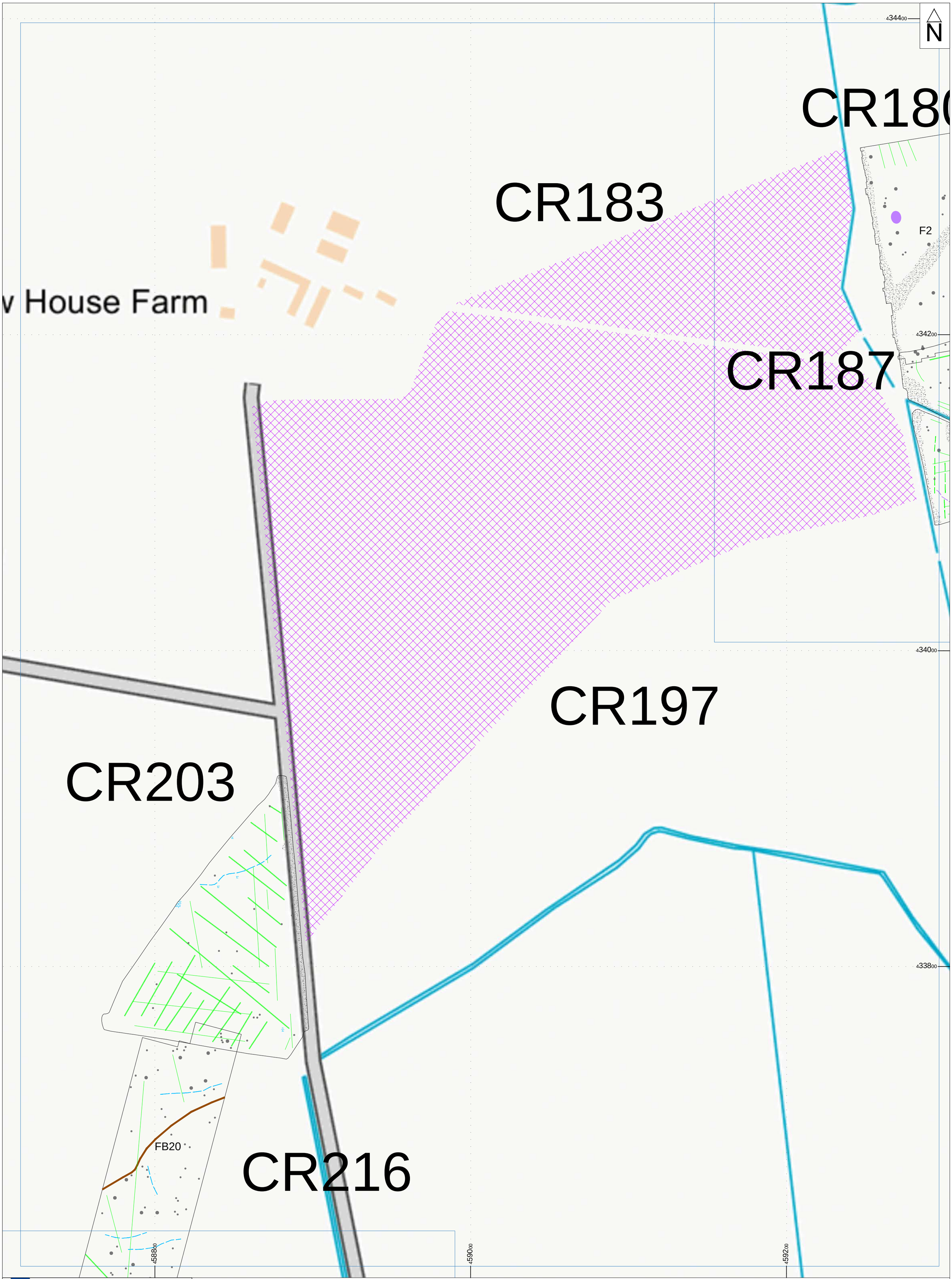
Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2



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Fig.53

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

Interpretation

FERROUS	RIDGE & FURROW	GEOLOGY	
MAGNETIC DISTURBANCE	AGRICULTURAL	UNCERTAIN	
FIELD DRAIN	FORMER FIELD BOUNDARY		

0 50m

1:1500 @ A2

od Farm

N

4336 00

4334 00

SECOND COMMON LANE

CR217

Selby

Common

4332 00

4330 00

REENLANDS LANE

CR227

4584 00

4586 00

4588 00

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Processed greyscale magnetometer data; Sector 15

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Fig.54

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2

od Farm

N

CR217

Selby Common

SECOND COMMON LANE

REENLANDS LANE

CR227

4336 00

4334 00

4332 00

4330 00

4584 00

4586 00

4588 00

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XY trace plot of minimally processed greyscale magnetometer data; Sector 15

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Fig.55

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2

od Farm

CR217

Selby Common

SECOND COMMON LANE

REENLANDS LANE

CR227

N

433600

433400

433200

433000

458400

458600

458800

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Interpretation of magnetometer data; Sector 15

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Fig.56

Title

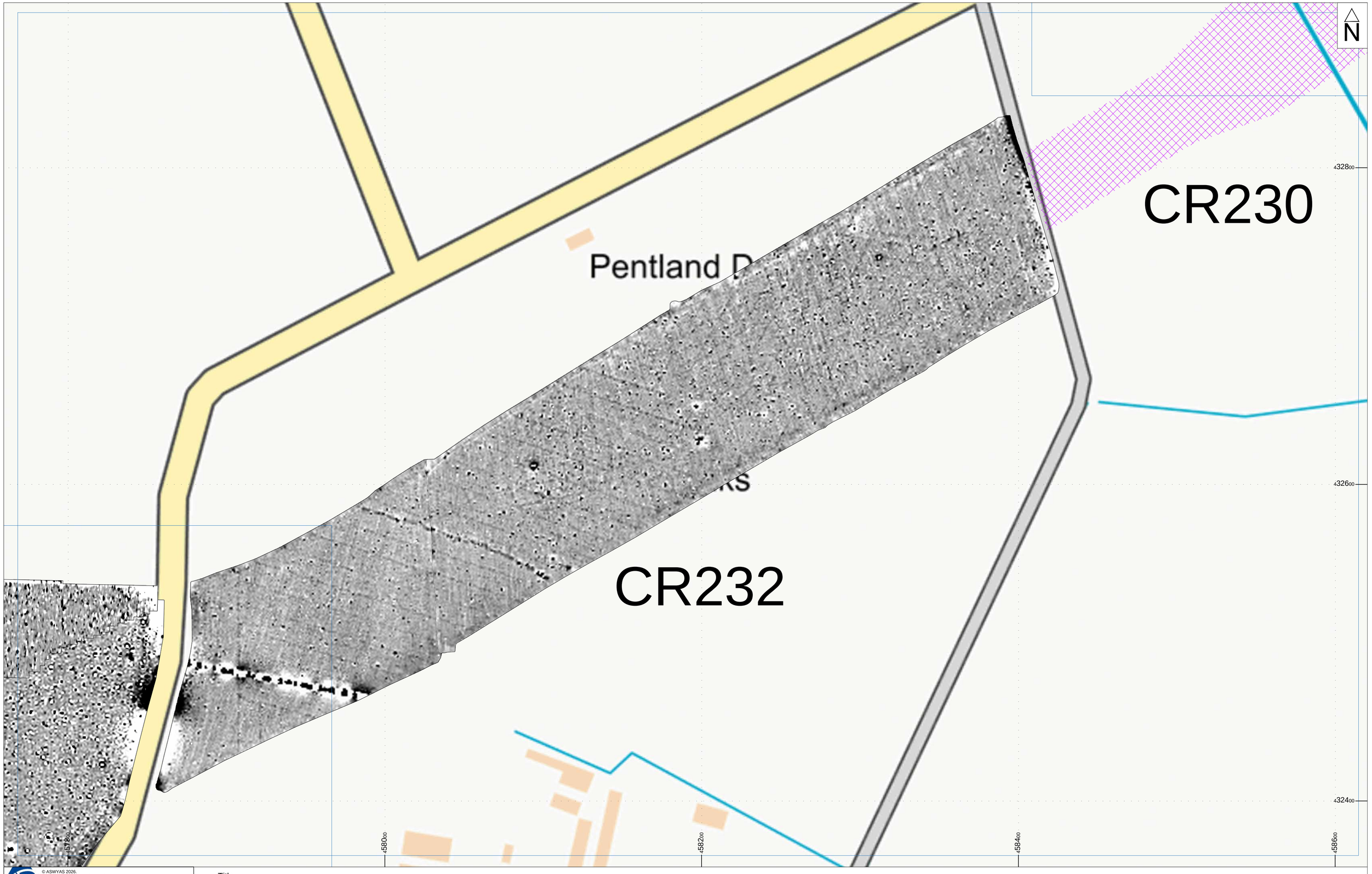
- SECTOR BOUNDARY
- CR100 FIELD NUMBERS
- NOT AVAILABLE

Interpretation

- FERROUS
- GEOLOGY
- FIELD DRAIN
- AGRICULTURAL

0 50m

1:1500 @ A2



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Processed greyscale magnetometer data; Sector 16

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Fig.57

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2

N

CR230

Pentland D

KS

CR232

4328^{00}

4326^{00}

4324^{00}

4578^{00}

4580^{00}

4582^{00}

4584^{00}

4586^{00}

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XY trace plot of minimally processed greyscale magnetometer data; Sector 16

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Fig.58

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2



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Fig.59

Title

- SECTOR BOUNDARY
- CR100 FIELD NUMBERS
- NOT AVAILABLE

Interpretation

- FERROUS
- SERVICE PIPE
- MAGNETIC DISTURBANCE
- FIELD DRAIN
- AGRICULTURAL
- FORMER FIELD BOUNDARY
- GEOLOGY

0 50m

1:1500 @ A2

N

CR234

DAM LANE

CR240

CR241

4324 00

4322 00

4320 00

4318 00

4574 00

4576 00

4578 00

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Processed greyscale magnetometer data; Sector 17

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Fig.60

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2

N

CR234

DAM LANE

CR240

CR241

4324 00

4322 00

4320 00

4318 00

4574 00

4576 00

4578 00

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XY trace plot of minimally processed greyscale magnetometer data; Sector 17

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Fig.61

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2

N

CR234

DAM LANE

CR240

CR241

4324 00

4322 00

4320 00

4318 00

4574 00

4576 00

4578 00

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Fig.62

Title

- SECTOR BOUNDARY
- CR100 FIELD NUMBERS
- NOT AVAILABLE

Interpretation

- FERROUS
- SERVICE PIPE
- MAGNETIC DISTURBANCE
- FIELD DRAIN
- AGRICULTURAL
- GEOLOGY
- UNCERTAIN
- GREEN WASTE

0 50m

1:1500 @ A2

CR242

CR247

CR244

CR246

Well House

Selby Dar

Thorpe Willoughby

4318 00

4316 00

4314 00

4570 00

4572 00

4574 00

4576 00

N

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Processed greyscale magnetometer data; Sector 18

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Fig.63

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2

N

CR242

CR247

CR244

CR246

Well House

Selby Dar

Thorpe Willoughby

4318^{00}

4316^{00}

4314^{00}

4570^{00}

4572^{00}

4574^{00}

4576^{00}

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XY trace plot of minimally processed greyscale magnetometer data; Sector 18

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Fig.64

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2

CR242

CR247

CR244

CR246

Well House

Selby Dar

Thorpe Willoughby

P6

P5

P4

FB22

4318 00

4316 00

4314 00

4570 00

4572 00

4574 00

4576 00

N

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Fig.65

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

Interpretation

	FERROUS		AGRICULTURAL		UNCERTAIN
	MAGNETIC DISTURBANCE		FORMER FIELD BOUNDARY		ARCHAEOLOGY?
	FIELD DRAIN		GEOLOGY		

0 50m

1:1500 @ A2

CR247

CR256

CR254

Oaklands Far

4318 00
4316 00
4314 00
4312 00
4566 00
4568 00
4570 00

N

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Processed greyscale magnetometer data; Sector 19

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Fig.66

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2

N

CR247

CR256

CR254

Oaklands Far

4318 00

4316 00

4314 00

4312 00

4566 00

4568 00

4570 00

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XY trace plot of minimally processed greyscale magnetometer data; Sector 19

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Fig.67

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2

N

4318 00

4316 00

4314 00

4312 00

4566 00

4568 00

4570 00

CR247

CR256

CR254

Oaklands Far

P7

P6

FB22

FB23

FB24

FB25

A3

U5

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Interpretation of magnetometer data; Sector 19

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Fig.68

Title

- SECTOR BOUNDARY
- CR100 FIELD NUMBERS
- NOT AVAILABLE

Interpretation

- FERROUS
- MAGNETIC DISTURBANCE
- FIELD DRAIN
- AGRICULTURAL
- GEOLOGY
- UNCERTAIN
- ARCHAEOLOGY?
- ARCHAEOLOGY

0 50m

1:1500 @ A2

CR259

CR263

CR266

CR280

WHINNY HA'

Town Dike

A63

ETS LANE

4310^{00}

4308^{00}

4306^{00}

4302^{00}

4304^{00}

4306^{00}

4308^{00}

N

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Processed greyscale magnetometer data; Sector 20

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Fig.69

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2

CR259

CR263

CR266

CR280

WHINNY HA

Town Dike

A63

ETS LANE

4310000

4308000

4306000

4304000

4302000

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XY trace plot of minimally processed greyscale magnetometer data; Sector 20

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Fig.70

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2

CR259

CR263

CR266

CR280

Town Dike

WHINNY HA'

U5

U6

U7

FB26

FB27

FB28

FB29

FB30

FB31

FB32

FB33

FB34

A63

ETS LANE

N

4310 00

4308 00

4306 00

4562 00

4564 00

4566 00

4568 00

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Interpretation of magnetometer data; Sector 20

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Fig.71

Title

- SECTOR BOUNDARY
- CR100 FIELD NUMBERS
- NOT AVAILABLE

Interpretation

- FERROUS
- MAGNETIC DISTURBANCE
- FIELD DRAIN
- AGRICULTURAL
- FORMER FIELD BOUNDARY
- GEOLOGY
- UNCERTAIN

0 50m

1:1500 @ A2

N

MORRETS LA

FIELD LANE

MORTON LANE

CR281

CR292

CR285

CR291

CR295

4304 00

4302 00

4560 00

4562 00

4564 00

4566 00

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Processed greyscale magnetometer data; Sector 21

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Fig.72

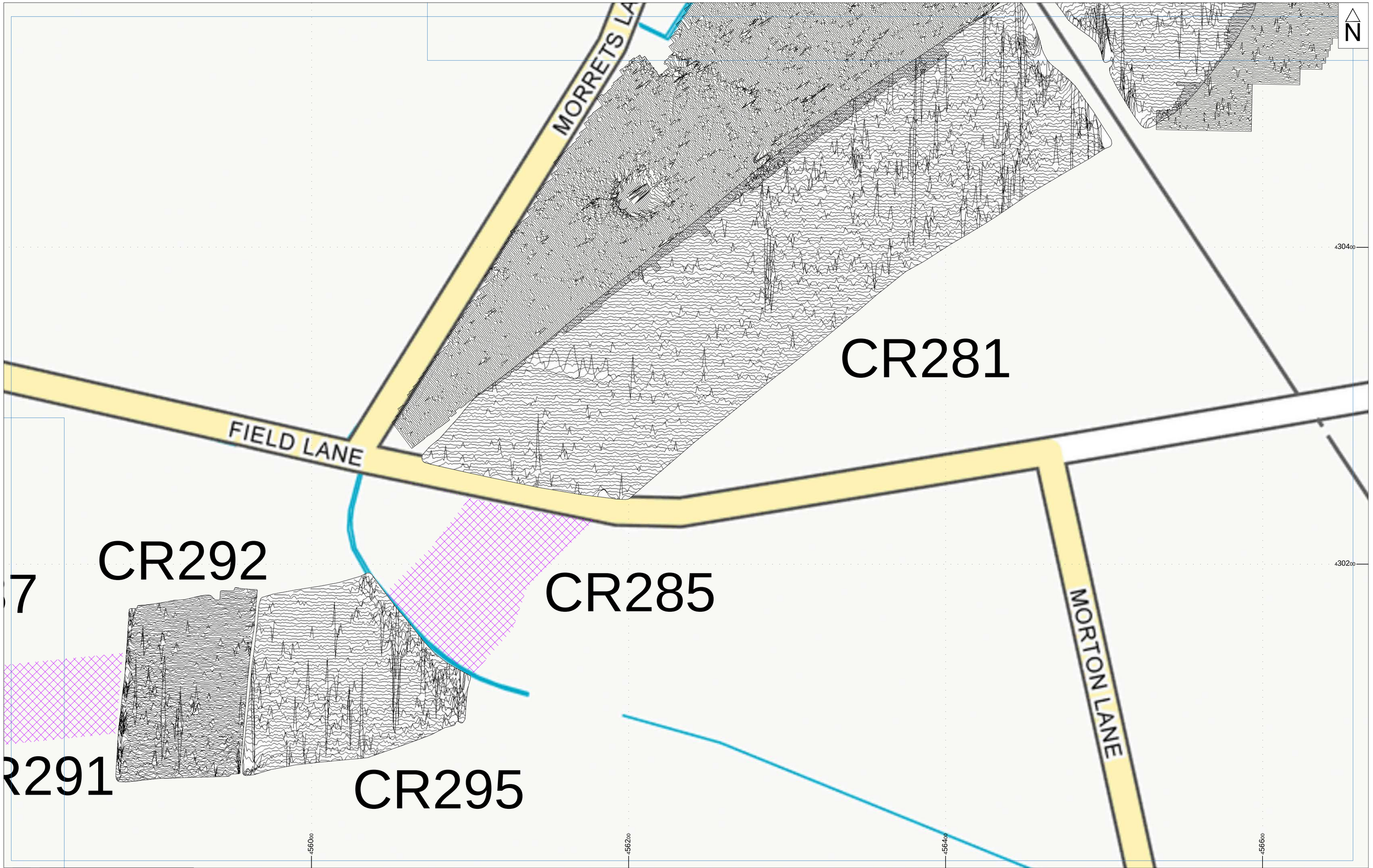
Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2



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XY trace plot of minimalyl processed greyscale magnetometer data; Sector 21

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Fig.73

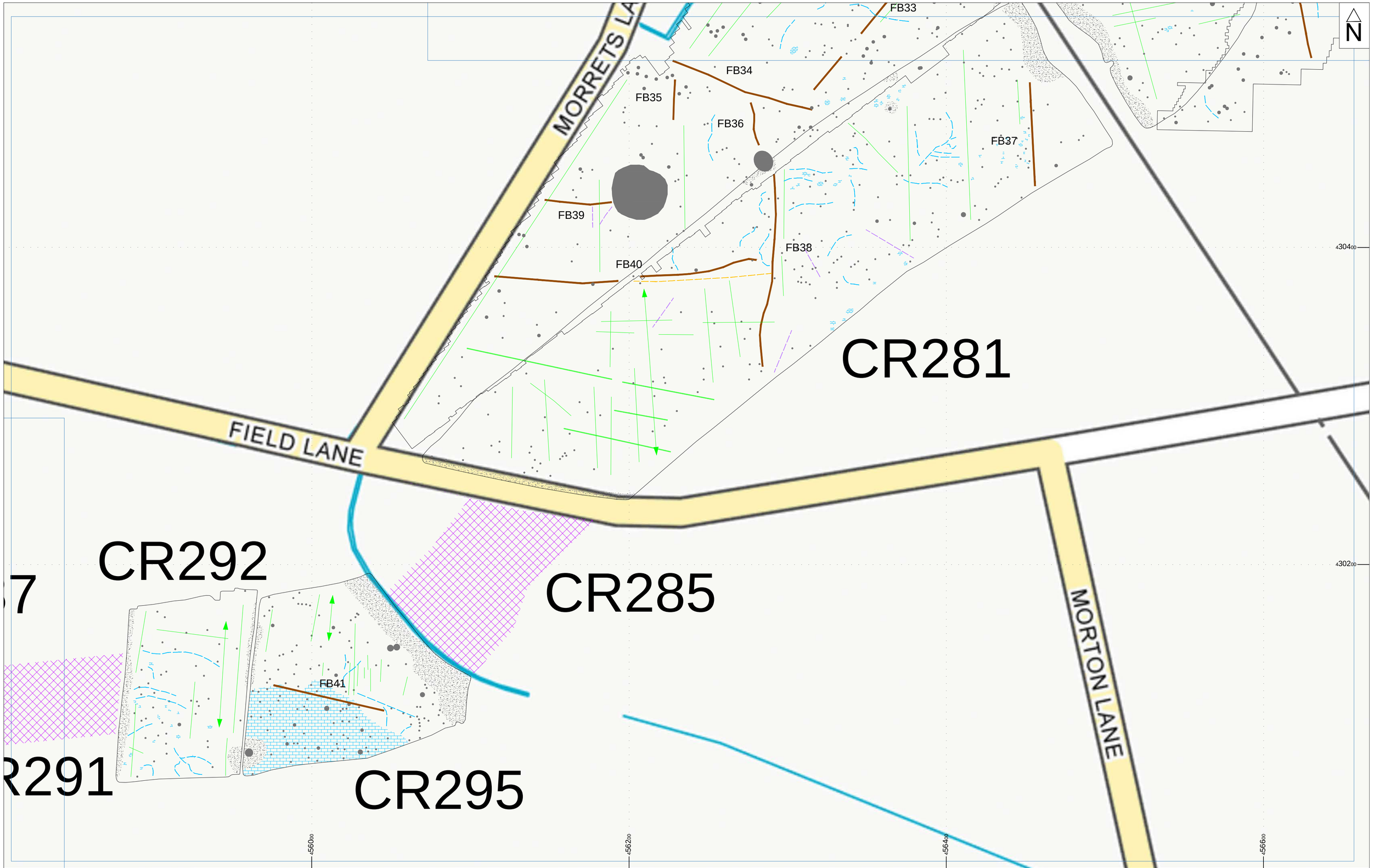
Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2



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Fig.74

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

Interpretation

	FERROUS		AGRICULTURAL
	MAGNETIC DISTURBANCE		FORMER FIELD BOUNDARY
	FIELD DRAIN		GEOLOGY
	UNCERTAIN		
	ARCHAEOLOGY?		

0 50m

1:1500 @ A2

N

HAUGH LANE

CR290

CR287

CR289

CR29

CR293

Hambleton Hough

HAUGH LANE

430200

430000

429800

455000

455200

455400

455600

455800

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Processed greyscale magnetometer data; Sector 22

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Fig.75

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2

N

HAUGH LANE

CR290

CR287

CR289

CR29

CR293

Hambleton Hough

HAUGH LANE

4302 00

4300 00

4298 00

4550 00

4552 00

4554 00

4556 00

4558 00

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XY trace plot of minimally processed greyscale magnetometer data; Sector 22

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Fig.76

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2

N

HAUGH LANE

CR290

CR287

CR289

CR29

CR293

Hambleton Hough

HAUGH LANE

4302^{00}

4300^{00}

4298^{00}

4550^{00}

4552^{00}

4554^{00}

4556^{00}

4558^{00}

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Fig.77

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

Interpretation

	FERROUS		GEOLOGY
	MAGNETIC DISTURBANCE		
	AGRICULTURAL		

0 50m

1:1500 @ A2

CR304

CR309

CR319

4298 00

4296 00

4294 00

4548 00

4550 00

4552 00

4554 00

N

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Processed greyscale magnetometer data; Sector 23

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Fig.78

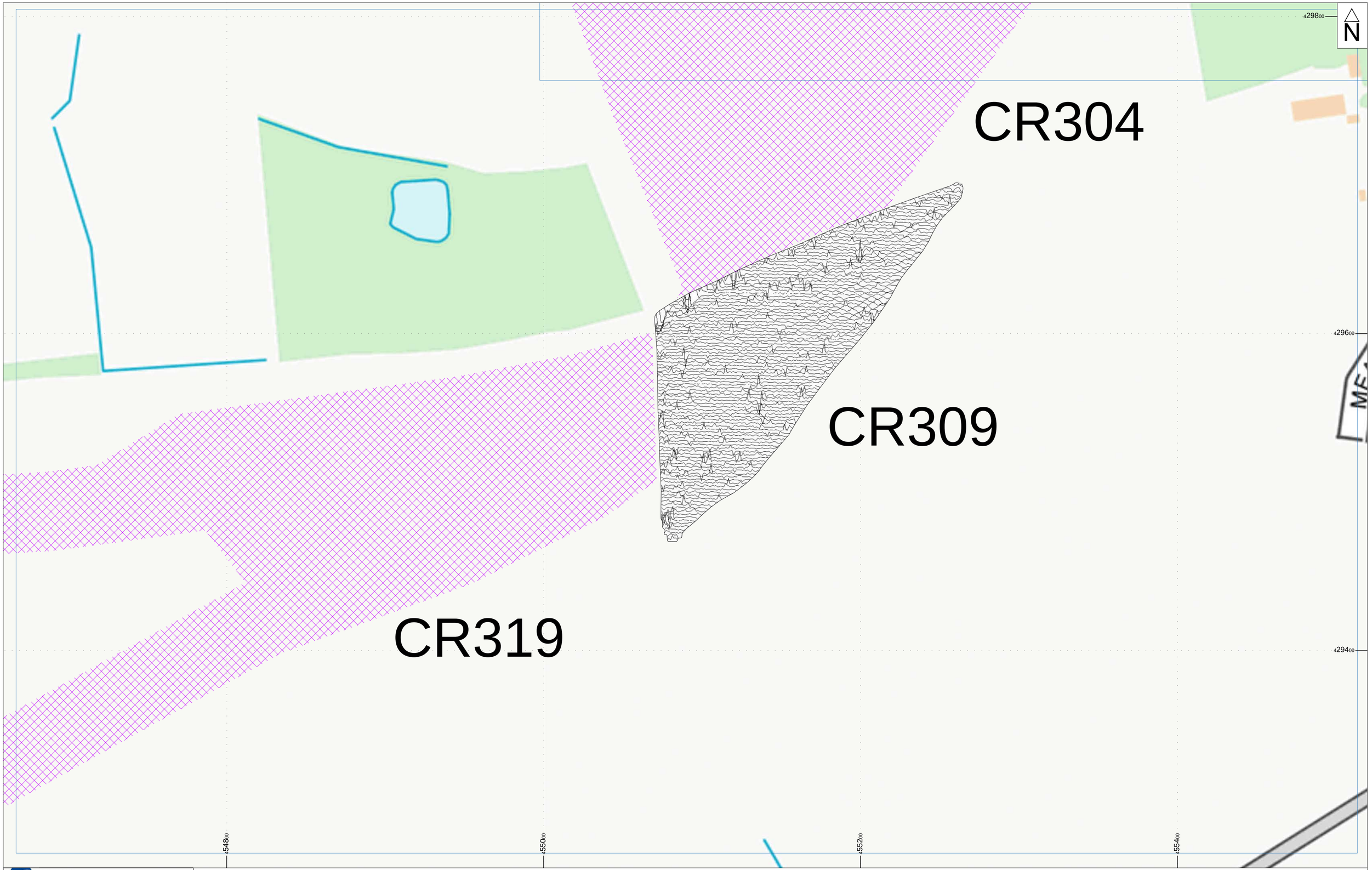
Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2



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Xy trace plot of minimally processed greyscale magnetometer data; Sector 23

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Fig.79

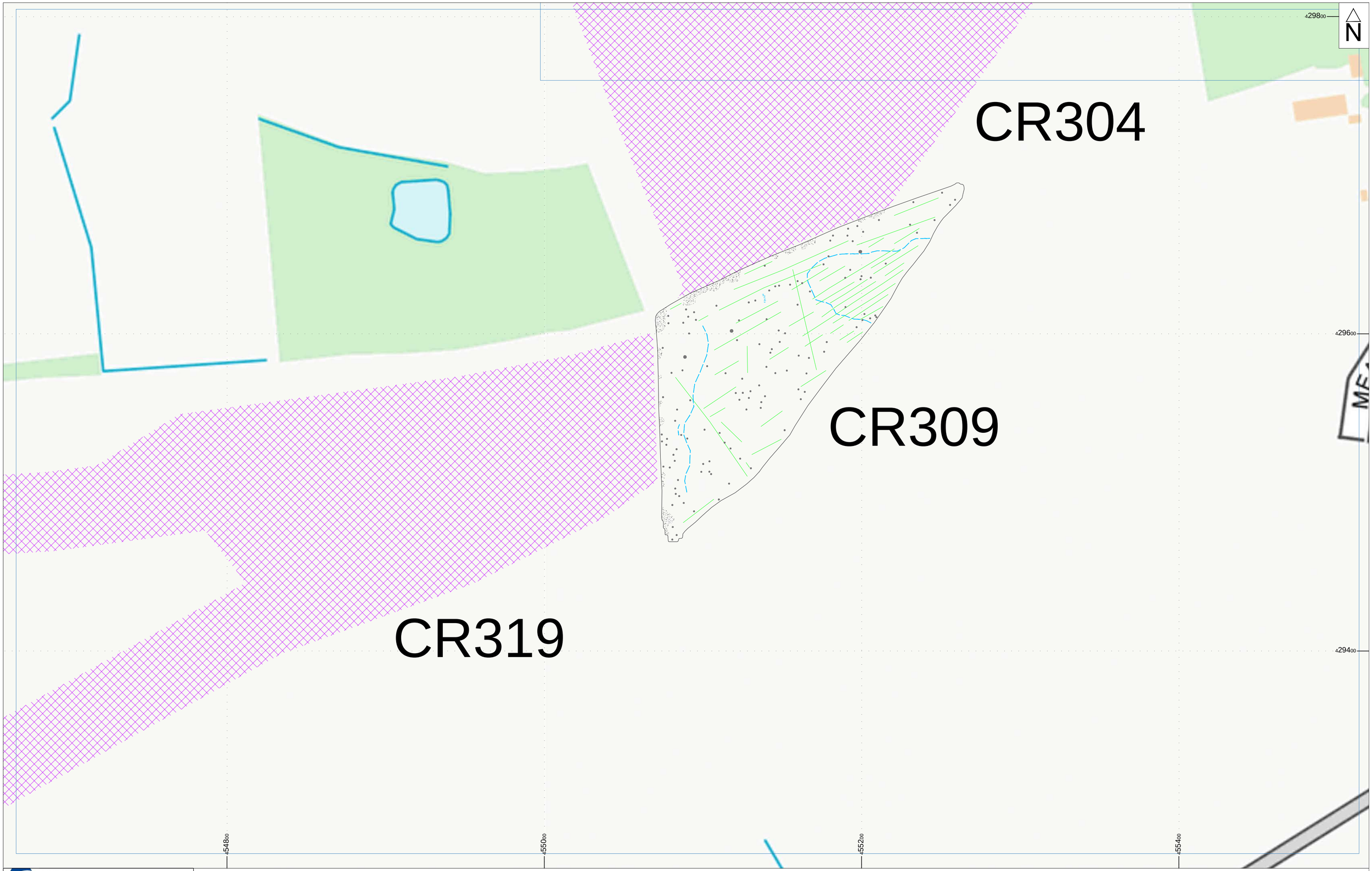
Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2



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Interpretation of magnetometer data; Sector 23

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Fig.80

Title

- SECTOR BOUNDARY
- CR100 FIELD NUMBERS
- NOT AVAILABLE

Interpretation

- FERROUS
- MAGNETIC DISTURBANCE
- AGRICULTURAL
- GEOLOGY

0 50m

1:1500 @ A2

N

CR257

CR271

CR270

Old Tythe Barn

Fryston Common

4312 00

4310 00

4308 00

4306 00

4522 00

4524 00

4526 00

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Processed greyscale magnetometer data; Sector 24

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Fig.81

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2

N

CR257

CR271

Old Tythe Barn

Fryston Common

CR270

4312 00
4310 00
4308 00
4306 00
4522 00
4524 00
4526 00

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XY trace plot of minimally processed greyscale magnetometer data; Sector 24

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Fig.82

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2

N

CR257

Old Tythe Barn

CR271

Fryston Common

CR270

4312 00

4310 00

4308 00

4306 00

4522 00

4524 00

4526 00

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Fig.83

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

Interpretation

FERROUS	AGRICULTURAL
MAGNETIC DISTURBANCE	FORMER FIELD BOUNDARY
FIELD DRAIN	GEOLOGY

0 50m

1:1500 @ A2

N

COMMON LANE

CR260

CR279

Fox Gr
Lodg

Hambleton
Common

4312 00
4310 00
4308 00
4306 00
4536 00
4538 00
4540 00

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Processed greyscale magnetometer data; Sector 25

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Fig.84

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2

N

COMMON LANE

CR279

CR260

Fox Gr
Lodg

Hambleton
Common

4312 00
4310 00
4308 00
4306 00
4536 00
4538 00
4540 00

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XY trace plot of minimally processed greyscale magnetometer data; Sector 25

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Fig.85

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2

N

Fox Gr
Lodg

COMMON LANE

CR260

CR279

Hambleton
Common

4312 00
4310 00
4308 00
4306 00
4536 00
4538 00
4540 00

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Fig.86

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

Interpretation

FERROUS	FIELD DRAIN	GEOLOGY
SERVICE PIPE	AGRICULTURAL	
MAGNETIC DISTURBANCE	RIDGE & FURROW	

0 50m

1:1500 @ A2

N

4306 00

4304 00

4302 00

4300 00

CR282

CR294

FOX LANE

swood

4534 00

4536 00

4538 00

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Processed greycale magnetometer data; Sector 26

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Fig.87

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2

N

4306 00

4304 00

4302 00

4300 00

CR282

CR294

FOX LANE

swood

4534 00

4536 00

4538 00

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XY trace plot of minimally processed greycale magnetometer data; Sector 26

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Fig.88

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2

N

4306 00

4304 00

4302 00

4300 00

CR282

CR294

FOX LANE

swood

4534 00

4536 00

4538 00

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Fig.89

Title

- SECTOR BOUNDARY
- CR100 FIELD NUMBERS
- NOT AVAILABLE

Interpretation

- FERROUS
- SERVICE PIPE
- MAGNETIC DISTURBANCE
- FIELD DRAIN
- AGRICULTURAL
- GEOLOGY

0 50m

1:1500 @ A2

N

A63

Brecksw

way Dike

CR297

Brecks Farm

CR306

430000

429800

429600

429400

453000

453200

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Processed greyscale magnetometer data; Sector 27

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Fig.90

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2

N

A63

Brecks Farm

CR297

CR306

430000

429800

429600

429400

453000

453200

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XY trace plot of minimally processed greyscale magnetometer data; Sector 27

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Fig.91

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2

A63

Brecks Farm

CR297

CR306

N

430000

429800

429600

429400

453000

453200

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Interpretation of magnetometer data; Sector 27

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Fig.92

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

Interpretation

	FERROUS		AGRICULTURAL
	MAGNETIC DISTURBANCE		
	FIELD DRAIN		

0 50m

1:1500 @ A2

CR323

FOX LANE

CR322

CR326

Maspin Grange Fa

HILLAM COMMON LANE

N

4294 00

4292 00

4290 00

4288 00

4534 00

4536 00

4538 00

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Processed greyscale magnetometer data; Sector 28

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Fig.93

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2

CR323

FOX LANE

CR322

CR326

Maspin Grange Fa

HILLAM COMMON LANE

N

4294 00

4292 00

4290 00

4288 00

4534 00

4536 00

4538 00

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XY trace plot of minimally processed greyscale magnetometer data; Sector 28

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Fig.94

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2

CR323

FOX LANE

CR322

U8

U8

U8

U8

CR326

Maspin Grange Fa

HILLAM COMMON LANE

N

4294 00

4292 00

4290 00

4288 00

4534 00

4536 00

4538 00

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Interpretation of magnetometer data; Sector 28

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Fig.95

Title

- SECTOR BOUNDARY
- CR100 FIELD NUMBERS
- NOT AVAILABLE

Interpretation

- FERROUS
- MAGNETIC DISTURBANCE
- FIELD DRAIN
- AGRICULTURAL
- GEOLOGY
- UNCERTAIN

0 50m

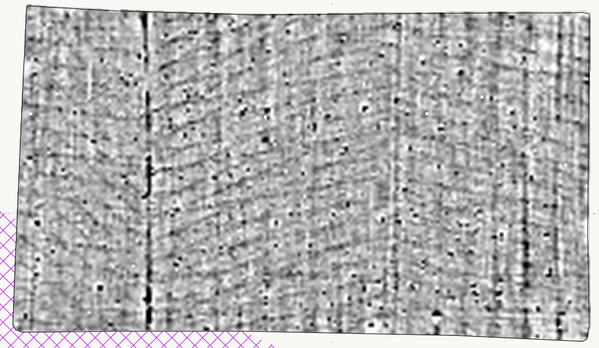
1:1500 @ A2

Fryston
Common Farm

CR464

Fleet Dike

CR465



N

430200

430000

429800

451600

451800

452000

452200

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Processed greyscale magnetometer data; Sector 29

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Fig.96

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2

Fryston
Common Farm

CR464

Fleet Dike

CR465



N

4302^{00}

4300^{00}

4298^{00}

4516^{00}

4518^{00}

4520^{00}

4522^{00}

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XY trace plot of minimally processed greyscale magnetometer data; Sector 29

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Fig.97

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2

Fryston
Common Farm

CR464

Fleet Dike

CR465

N

430200

430000

429800

451600

451800

452000

452200

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Fig.98

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

Interpretation

	FERROUS
	FIELD DRAIN
	AGRICULTURAL

0 50m

1:1500 @ A2

CR405

CR403

ROE LANE

4284 00

4282 00

4522 00

4524 00

4526 00

4528 00

N

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Processed greyscale magnetometer data; Sector 30

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Fig.99

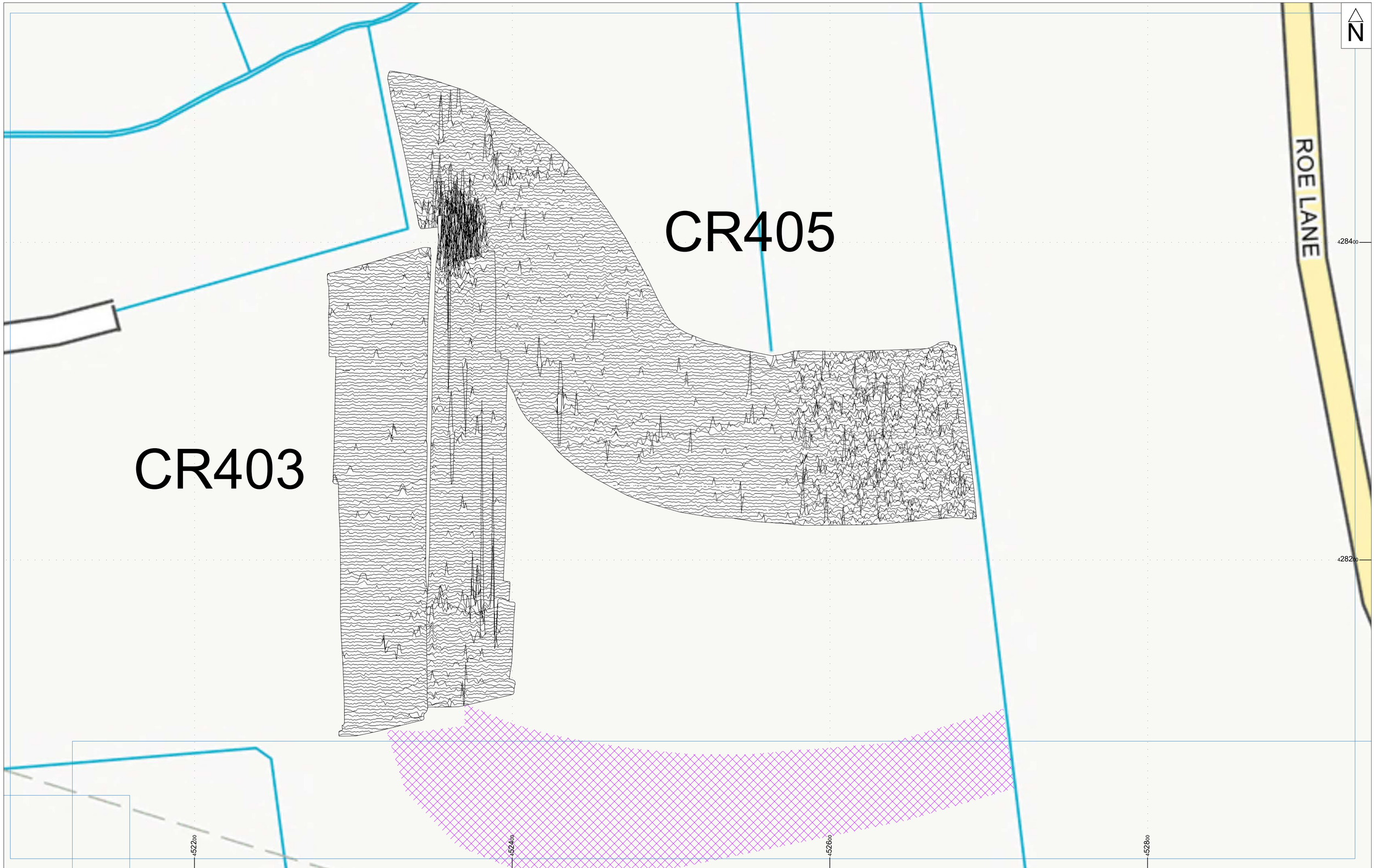
Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2



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Fig.100

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2

N

ROE LANE

CR405

CR403

FB42

FB43

FB44

FB45

FB46

FB47

FB48

FB49

P8

U9

U9

P8

4284

4282

4522

4524

4526

4528

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Fig.101

Title

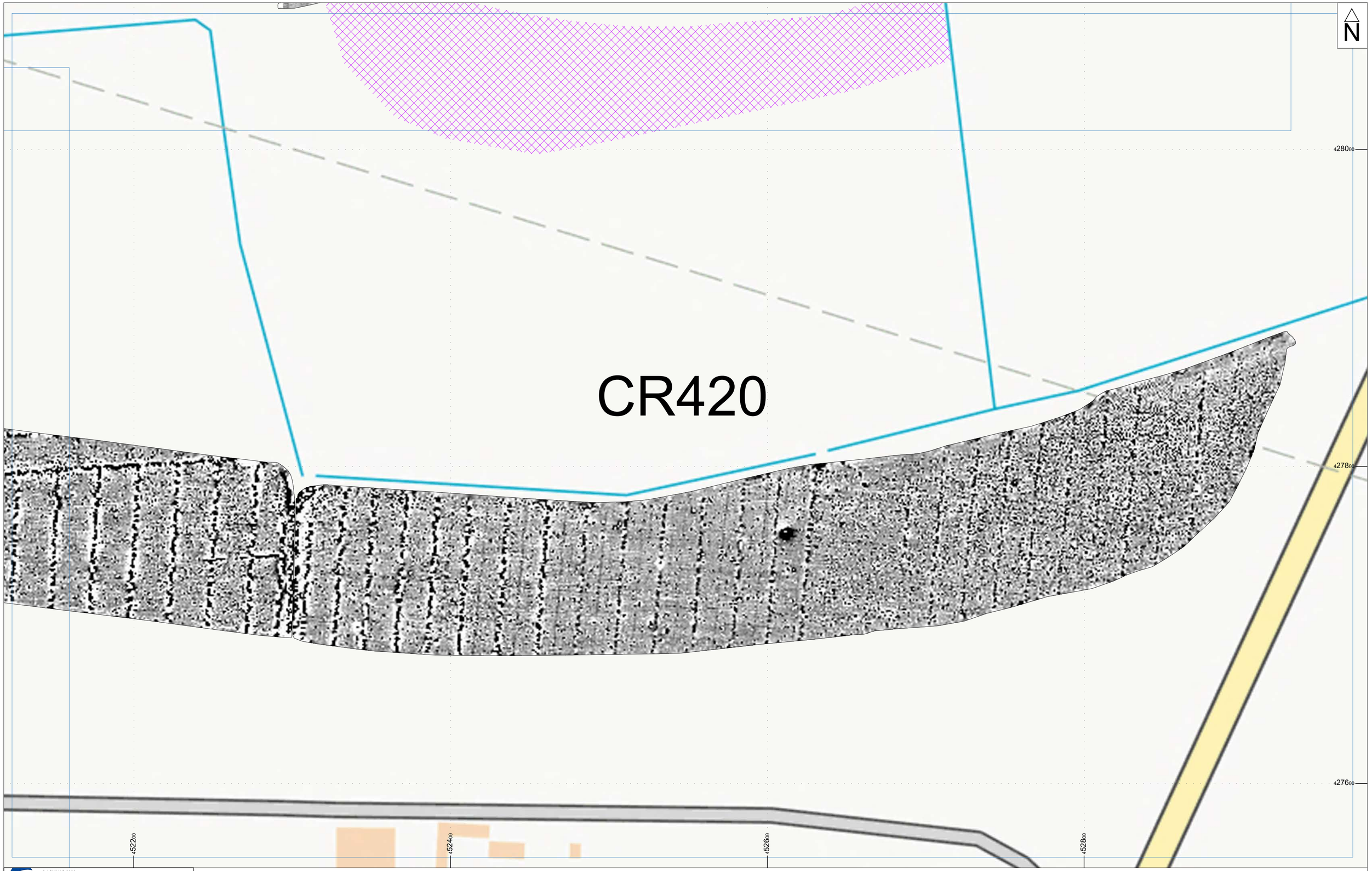
	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

Interpretation

FERROUS	AGRICULTURAL	UNCERTAIN
MAGNETIC DISTURBANCE	FORMER FIELD BOUNDARY	ARCHAEOLOGY?
FIELD DRAIN	GEOLOGY	GREEN WASTE

0 50m

1:1500 @ A2



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Processed greyscale magnetometer data; Sector 31

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Fig.102

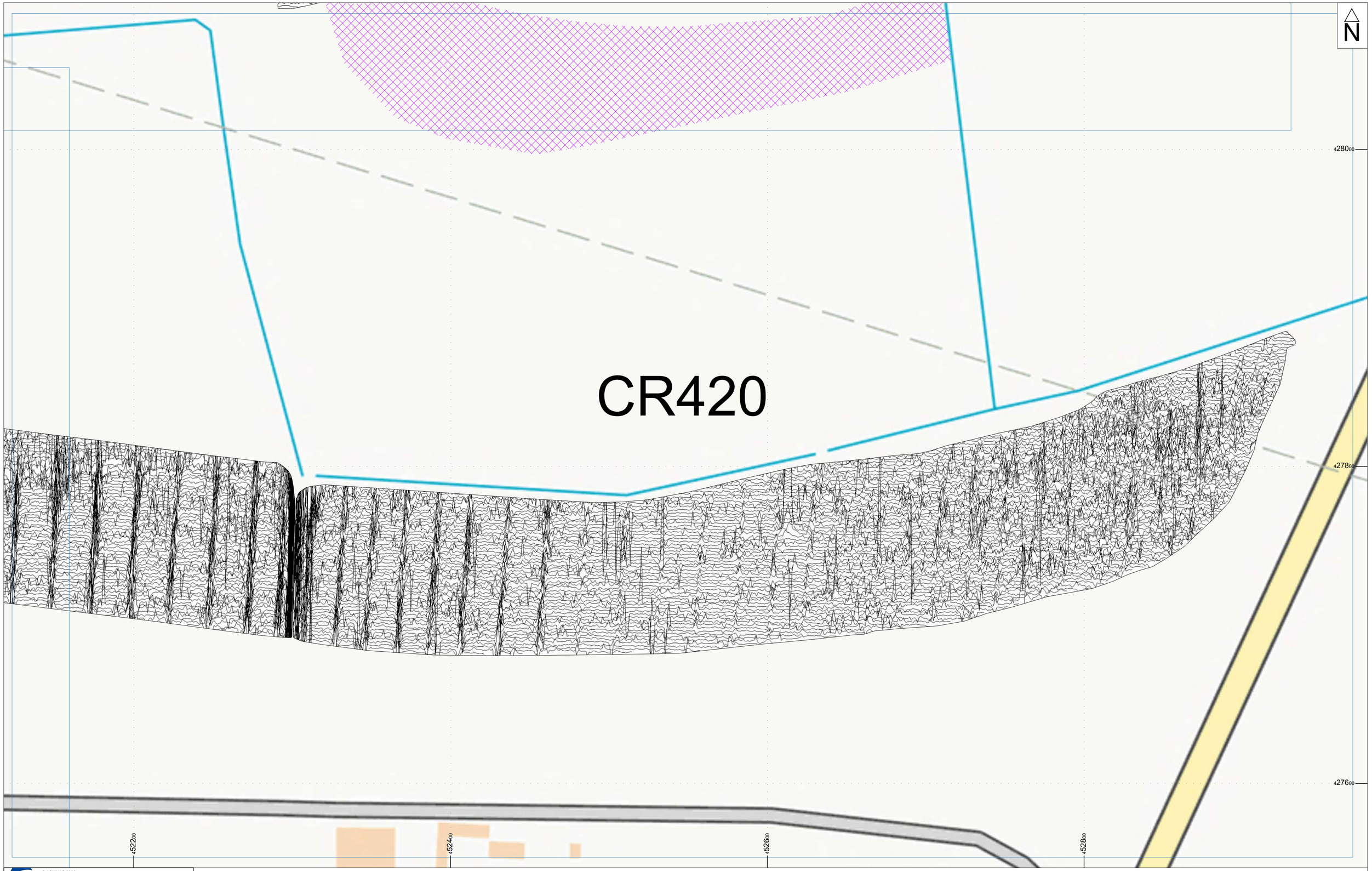
Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2



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XY trace plot of minimally processed greyscale magnetometer data; Sector 31

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Fig.103

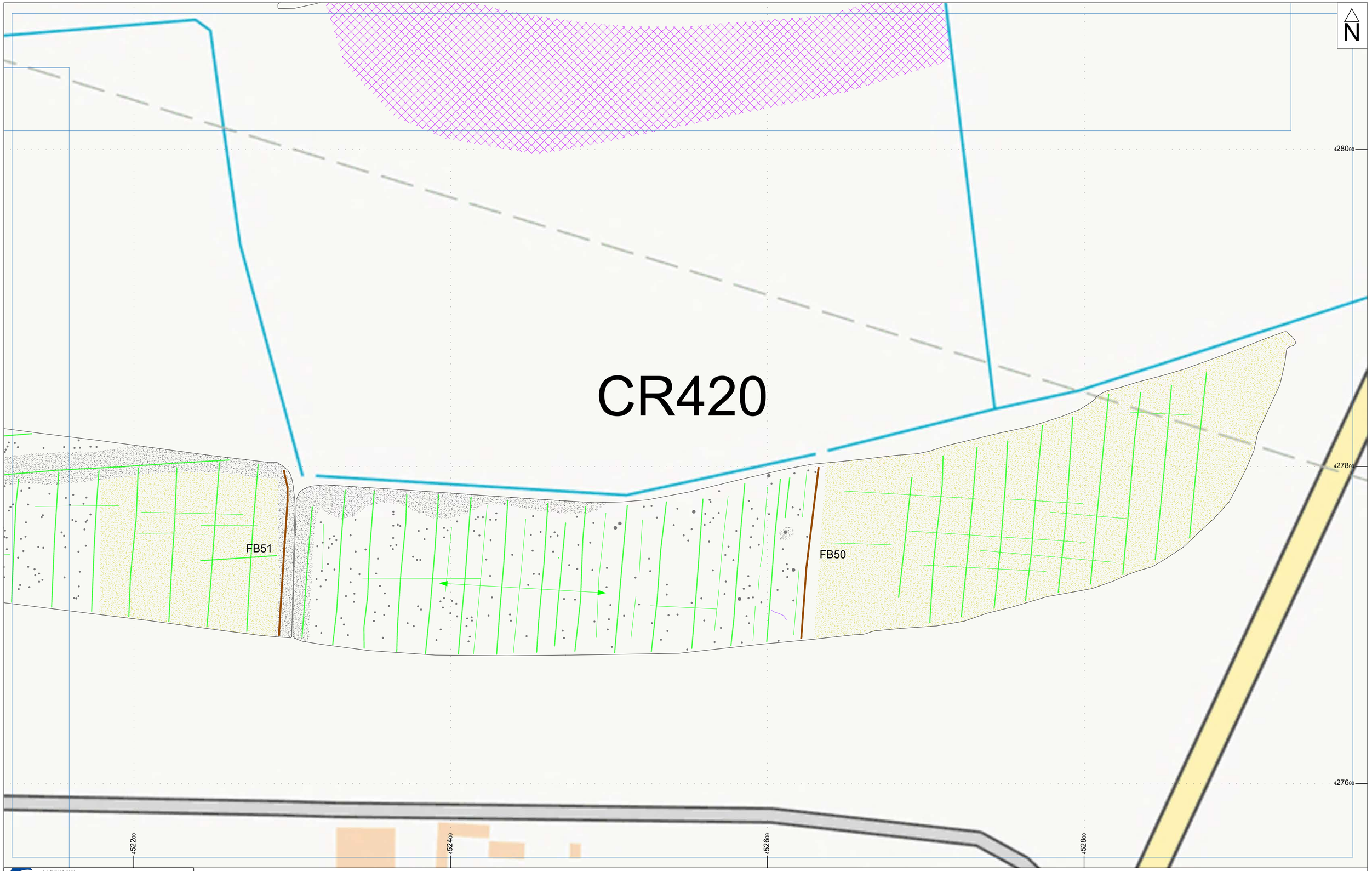
Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2



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Interpretation of magnetometer data; Sector 31

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Fig.104

Title

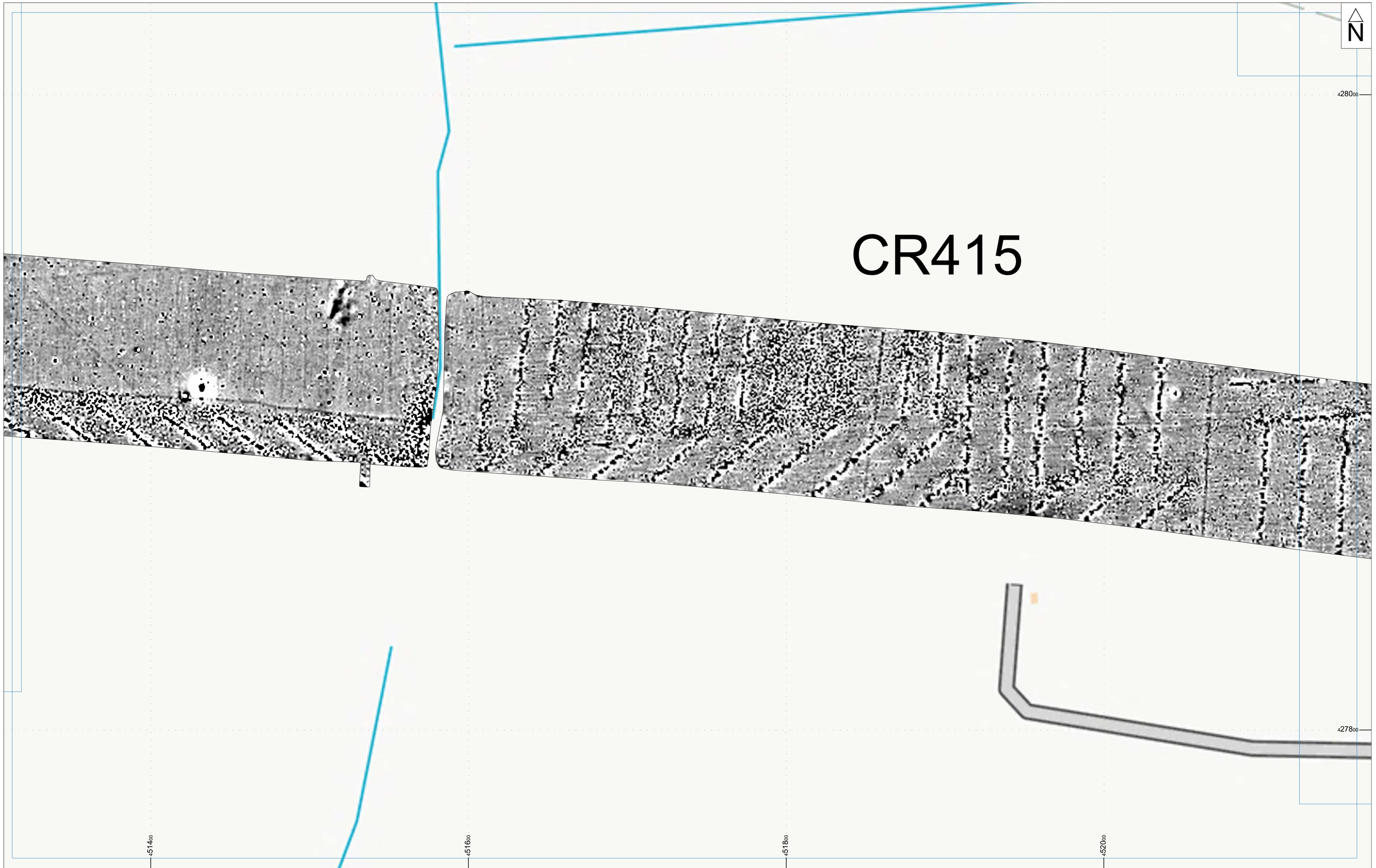
	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

Interpretation

	FERROUS		AGRICULTURAL
	MAGNETIC DISTURBANCE		FORMER FIELD BOUNDARY
	FIELD DRAIN		GREEN WASTE

0 50m

1:1500 @ A2



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Processed greyscale magnetometer data; Sector 32

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Fig.105

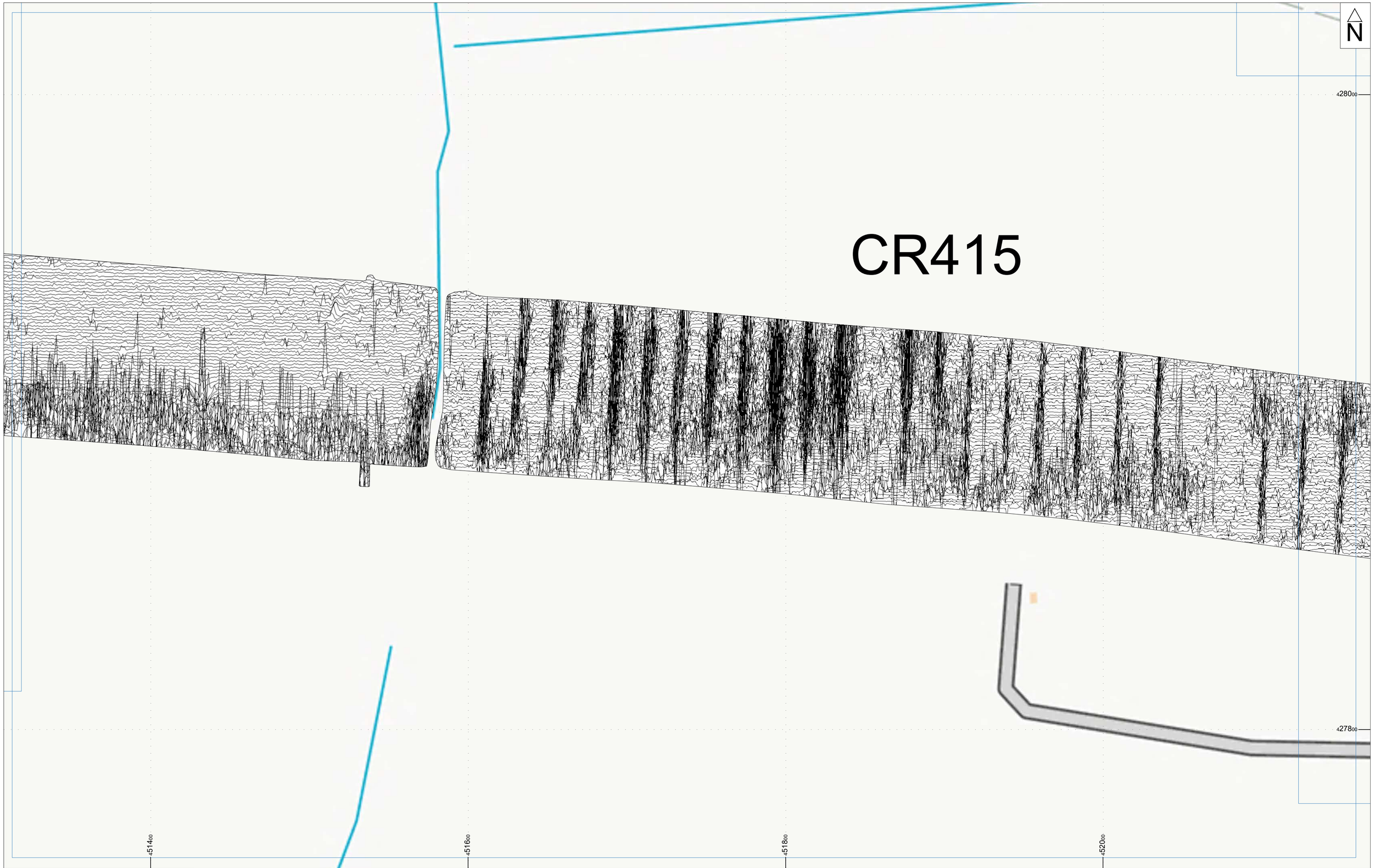
Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2



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XY trace plot of minimally processed greyscale magnetometer data; Sector 32

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Fig.106

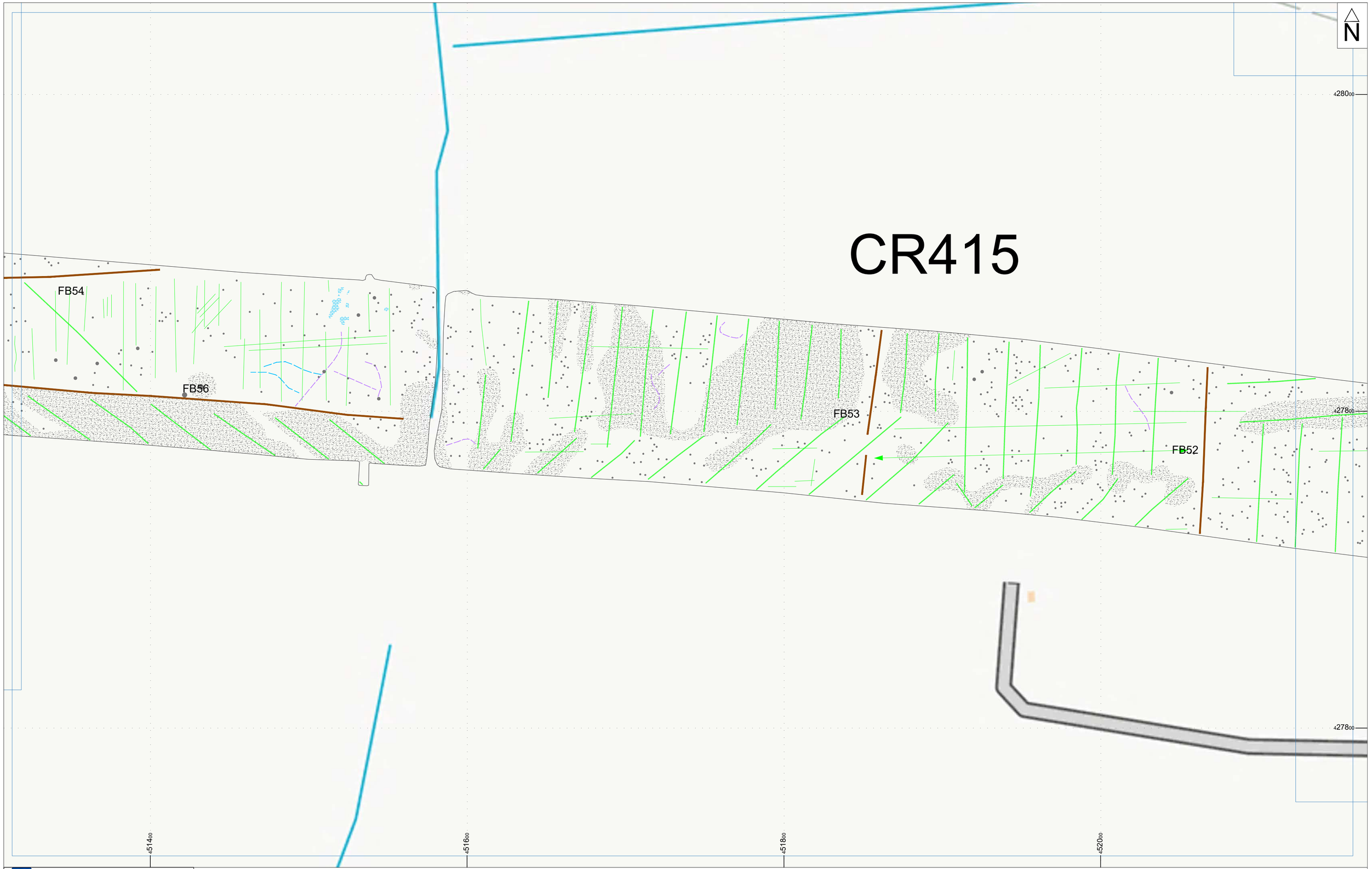
Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2



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Interpretation of magnetometer data; Sector 32

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Fig.107

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

Interpretation

	FERROUS		AGRICULTURAL		UNCERTAIN
	MAGNETIC DISTURBANCE		FORMER FIELD BOUNDARY		
	FIELD DRAIN		GEOLOGY		

0 50m

1:1500 @ A2

N

CR414

FAIRFIELD LANE

CR413

4280 00

2760

Bywater Wood

Burton
Common Farm

4506 00

4508 00

4510 00

4512 00

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Processed greyscale magnetometer data; Sector 33

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Fig.108

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2

N

CR414

FAIRFIELD LANE

CR413

4280^{00}

Bywater Wood

Burton
Common Farm

4506^{00} 4508^{00} 4510^{00} 4512^{00}

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XY trace plot of minimally processed greyscale magnetometer data; Sector 33

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Fig.109

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2

N

CR414

CR413

FAIRFIELD LANE

F3

FB61

FB60

FB59

F3

FB58

FB57

FB56

FB55

Bywater Wood

Burton
Common Farm

4280 00

4278 00

4506 00

4508 00

4510 00

4512 00

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Fig.110

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

Interpretation

	FERROUS		RIDGE & FURROW		GEOLOGY
	MAGNETIC DISTURBANCE		AGRICULTURAL		UNCERTAIN
	FIELD DRAIN		FORMER FIELD BOUNDARY		

0 50m

1:1500 @ A2

CR411

CR416

CR418

M

N

4280^{00}

4278^{00}

4498^{00}

4500^{00}

4502^{00}

4504^{00}

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Processed greyscale magnetometer data; Sector 34

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Fig.111

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2

CR411

CR416

CR418

M

N

4280$_{00}$

4278$_{00}$

4498$_{00}$

4500$_{00}$

4502$_{00}$

4504$_{00}$

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XY trace plot of minimally processed greyscale magnetometer data; Sector 34

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Fig.112

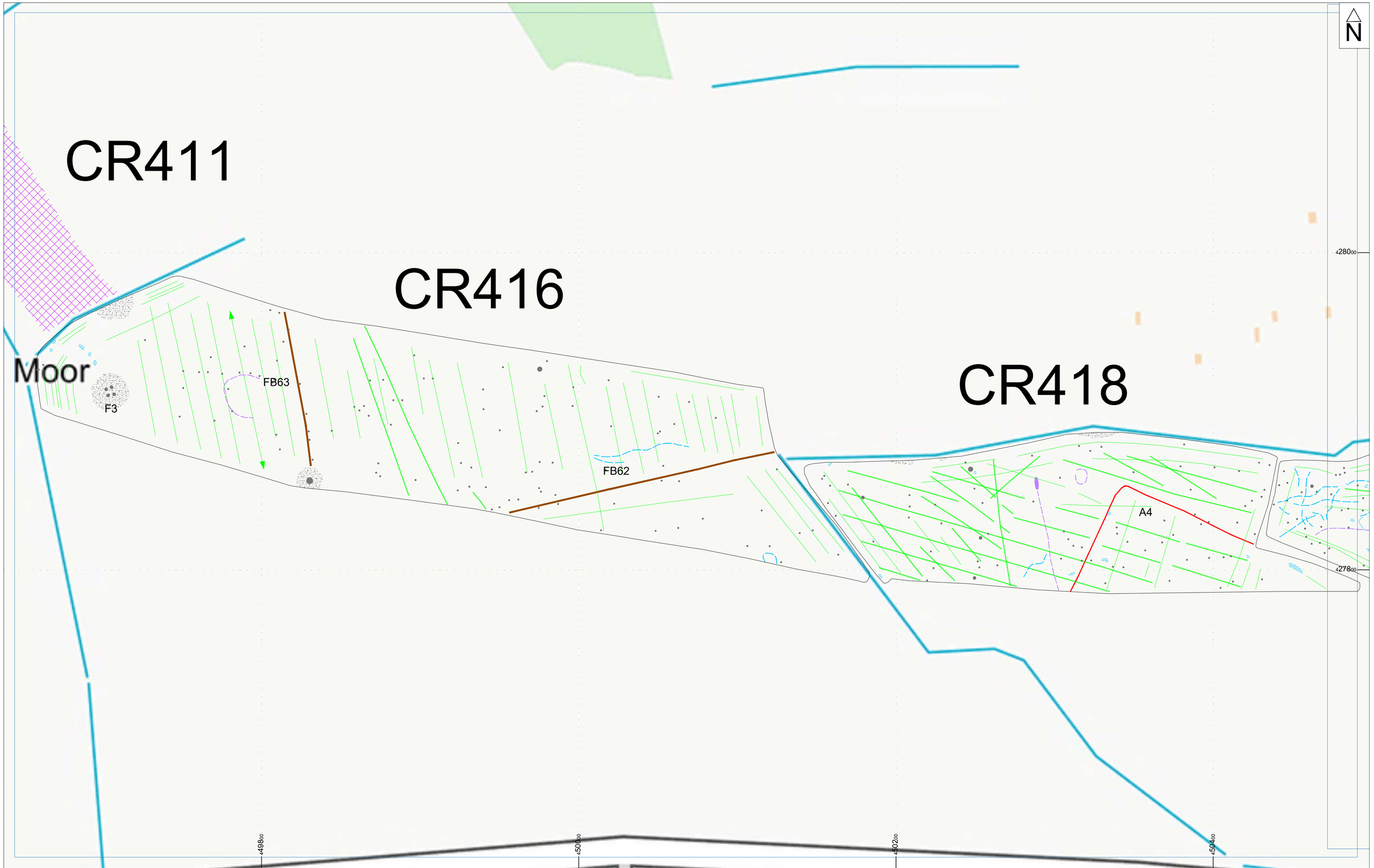
Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2



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Interpretation of magnetometer data; Sector 34

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Fig.113

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

Interpretation

	FERROUS		AGRICULTURAL		UNCERTAIN
	MAGNETIC DISTURBANCE		FORMER FIELD BOUNDARY		ARCHAEOLOGY
	FIELD DRAIN		GEOLOGY		

0 50m

1:1500 @ A2

N

CR387

A162

CR397

HILLAM LANE

CR407

4286^{00}

4284^{00}

4282^{00}

4488^{00}

4490^{00}

4492^{00}

4494^{00}

4496^{00}

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Processed greyscale magnetometer data; Sector 35

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Fig.114

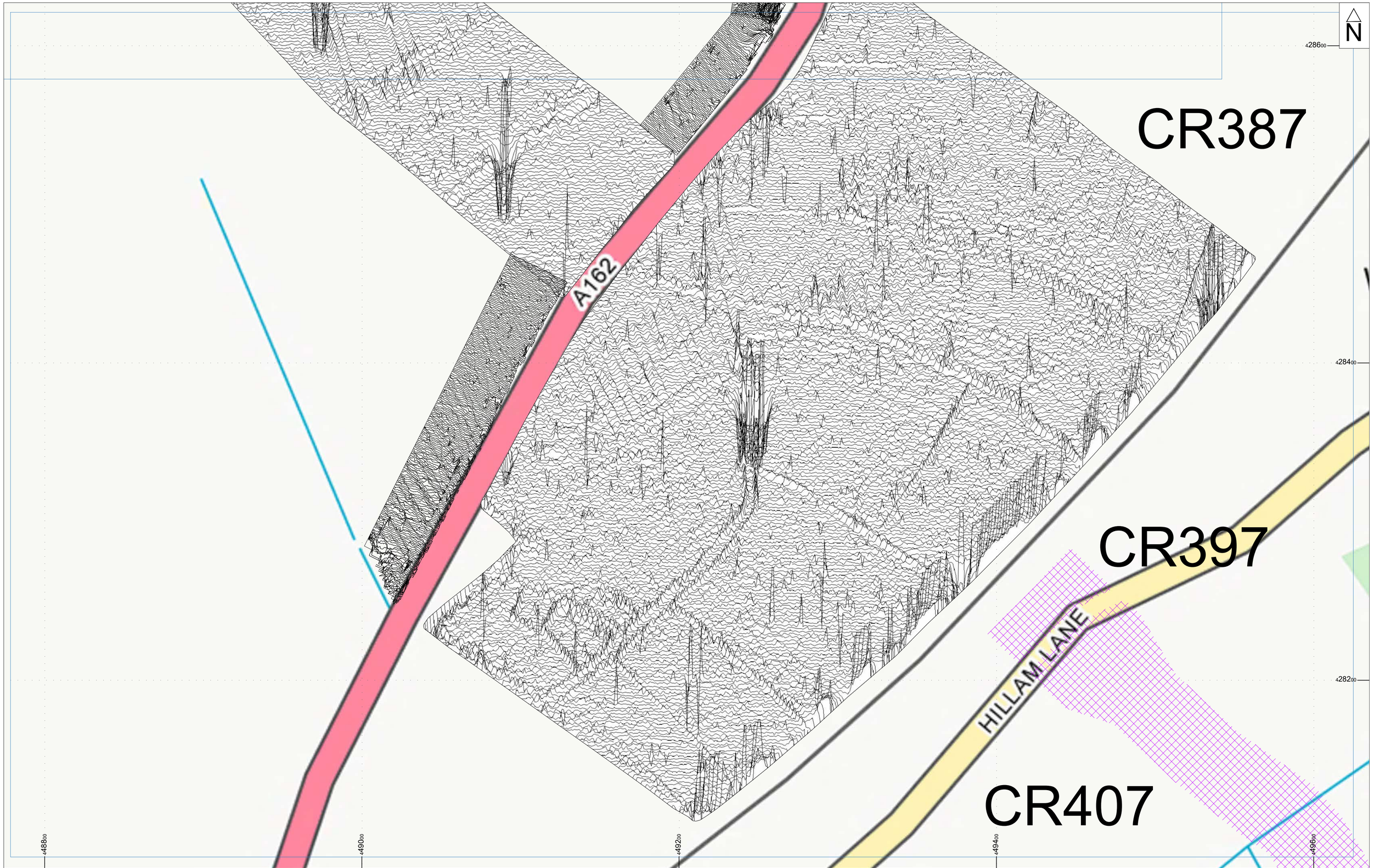
Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2



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XY trace plot of minimally processed greyscale magnetometer data; Sector 35

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Fig.115

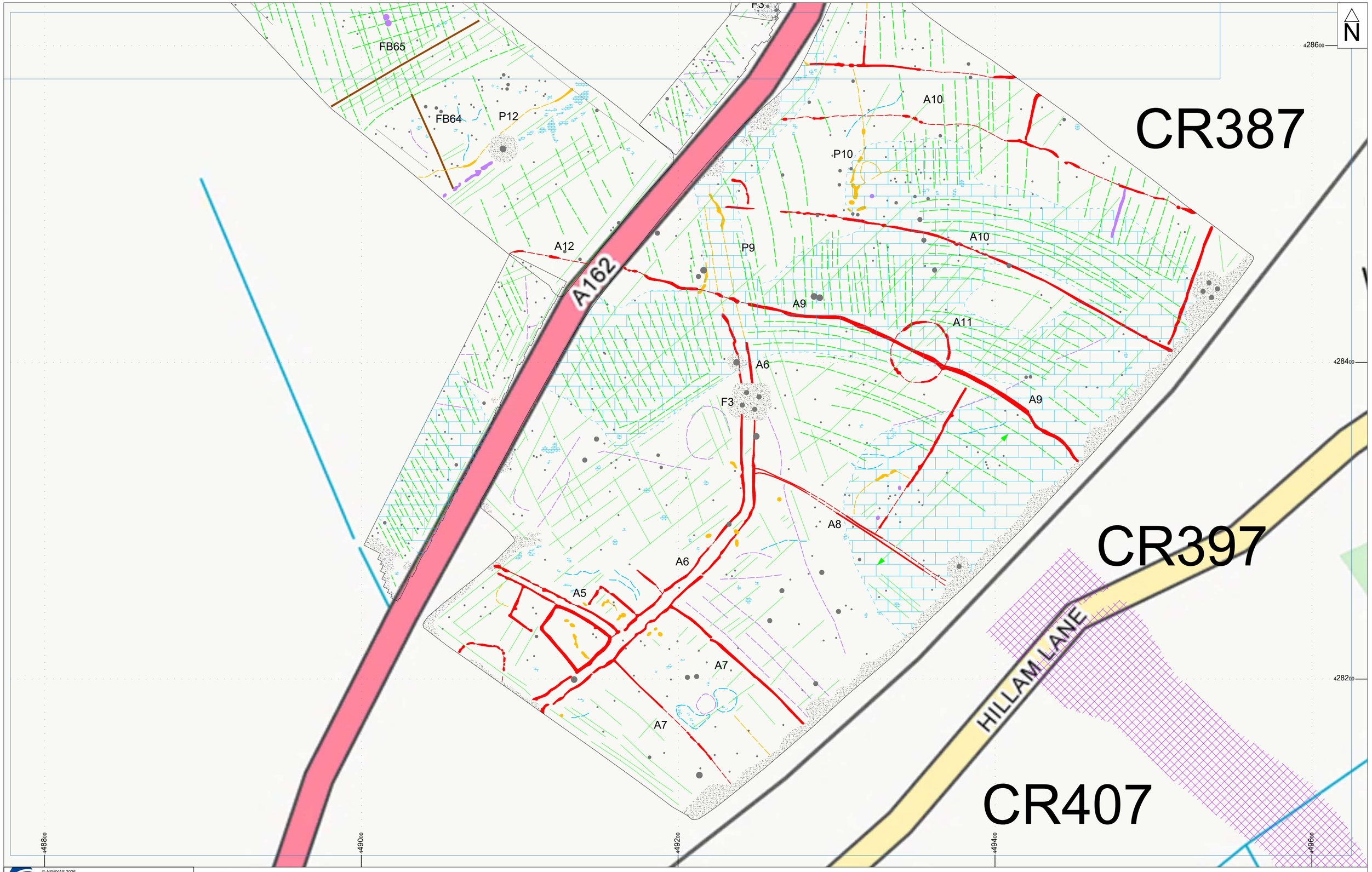
Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2



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Interpretation of magnetometer data; Sector 35

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Fig.116

Title

- SECTOR BOUNDARY
- CR100 FIELD NUMBERS
- NOT AVAILABLE

Interpretation

- FERROUS
- MAGNETIC DISTURBANCE
- RIDGE & FURROW
- AGRICULTURAL
- FORMER FIELD BOUNDARY
- GEOLOGY
- UNCERTAIN
- ARCHAEOLOGY?
- ARCHAEOLOGY

0 50m

1:1500 @ A2

8

334

CR365

N

4290^{00}

4288^{00}

4286^{00}

4488^{00}

4490^{00}

4492^{00}

4494^{00}

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Processed greyscale magnetometer data; Sector 36

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Fig.117

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

nT -1.0 2.0

0 50m

1:1500 @ A2

8

334

N

4290$_{00}$

4288$_{00}$

4286$_{00}$

CR365

4488$_{00}$

4490$_{00}$

4492$_{00}$

4494$_{00}$

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XY trace plot of minimally processed greyscale magnetometer data; Sector 36

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Fig.118

Title

	SECTOR BOUNDARY
CR100	FIELD NUMBERS
	NOT AVAILABLE

15.0 nT/cm

0 50m

1:1500 @ A2

8

334

CR365

N

P14

P13

U11

U10

P11

F3

FB65

4290$_{00}$

4288$_{00}$

4286$_{00}$

4488$_{00}$

4490$_{00}$

4492$_{00}$

4494$_{00}$

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Interpretation of magnetometer data; Sector 36

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Fig.119

Title

- SECTOR BOUNDARY
- CR100 FIELD NUMBERS
- NOT AVAILABLE

Interpretation

- FERROUS
- OVERHEAD CABLE
- MAGNETIC DISTURBANCE
- FIELD DRAIN
- RIDGE & FURROW
- AGRICULTURAL
- FORMER FIELD BOUNDARY
- GEOLOGY
- UNCERTAIN
- ARCHAEOLOGY?
- ARCHAEOLOGY

0 50m

1:1500 @ A2

Appendix 1: Magnetic survey - technical information

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 haemetite. 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. Areas of human occupation or settlement can then be identified by measuring the magnetic susceptibility of the topsoil because 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 and the fermentation and bacterial effects associated with rubbish decomposition. The area of enhancement is usually quite large, mainly due to the tendency of discard areas to extend beyond the limit of the occupation site itself, and spreading by the plough.

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.

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 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.

Methodology: Gradiometer Survey

The main method of using the fluxgate gradiometer for commercial evaluations is referred to as ***detailed survey*** and requires the surveyor to walk at an even pace carrying the instrument within a grid system. A sample trigger automatically takes readings at predetermined points, typically at 0.25m intervals, on traverses 1m apart. These readings are stored in the memory of the instrument and are later dumped to computer for processing and interpretation.

During this survey a Bartington Grad601 magnetic gradiometer was used taking readings on the 0.1nT range, at 0.25m intervals on zig-zag traverses 0.5m apart within 30m by 30m square grids. The instrument was checked for electronic and mechanical drift at a common point and calibrated as necessary. The drift from zero was not logged.

During this survey an eight channel Sensys MX V3 system was also used containing eight FGM650 sensors was also used which was towed across the area using an ATV. Readings were taken every 20MHz (between 0.05 and 0.1m). Data was be recorded onto a device, using a Carlson GNSS Smart antenna, for centimetre accuracy. These readings were stored in the memory of the instrument and downloaded for processing and interpretation.

The gradiometer data have been presented in this report in processed greyscale format. The data in the greyscale images have been interpolated and selectively filtered to remove the effects of drift in instrument calibration and other artificial data constructs and to maximise the clarity and interpretability of the archaeological anomalies.

Appendix 2: Survey location information

An initial survey station was established using a Trimble VRS differential Global Positioning System (Trimble R6 model). The data was geo-referenced using the geo-referenced survey station with a Trimble RTK differential Global Positioning System (Trimble R6 model). The accuracy of this equipment is better than 0.01m.

For cart-based survey, data was recorded onto a device, using a Carlson GNSS BRx7 Smart antenna, for centimetre accuracy. These readings were stored in the memory of the instrument and downloaded for processing and interpretation. The accuracy of the BRx7 is between 0.15cm – 0.8cm. The BRx7 has a built-in tilt sensor to correct collected point coordinates to within 2cm.

The survey grids/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 co-ordinates are measured off hard copies of the mapping rather than using the digital co-ordinates.

Archaeological Services WYAS cannot accept responsibility for errors of fact or opinion resulting from data supplied by a third party.

Appendix 3: Geophysical archive and metadata

The geophysical archive comprises:-

- an archive disk containing compressed (WinZip 8) files of the raw data, report text (Microsoft Word 2003), and graphics files (Adobe Illustrator CS6 and AutoCAD 2017) files; and
- a full copy of the report.

At present the archive is held by Archaeological Services WYAS although it is anticipated that it may eventually be lodged with the Archaeology Data Service (ADS). Brief details may also be forwarded for inclusion on the English Heritage Geophysical Survey Database after the contents of the report are deemed to be in the public domain (i.e. available for consultation in the North Yorkshire Historic Environment Record.

Appendix 4: Oasis form

OASIS Summary for archaeol11-539602

OASIS ID (UID)	archaeol11-539602
Project Name	Geophysical Survey at Light Valley Solar, Cable Route
Sitename	Light Valley Solar, Cable Route
Sitecode	LOW 25
Project Identifier(s)	
Activity type	Geophysical Survey, MAGNETOMETRY SURVEY
Planning Id	
Reason For Investigation	Planning: Pre application
Organisation Responsible for work	Archaeological Services WYAS
Project Dates	21-Apr-2025 - 12-Dec-2025
Location	Light Valley Solar, Cable Route NGR : SE 48440 29220 LL : 53.75709658875229, -1.26678271781267 12 Fig : 448440,429220
Administrative Areas	Country : England County/Local Authority : North Yorkshire Local Authority District : North Yorkshire Parish : Monk Fryston
Project Methodology	The cart-based survey was undertaken using an eight channel SenSYS MX V3 system containing eight FGM650 sensors. Readings are taken every 20MHz (between 0.05 and 0.1m). Data were recorded onto a device, using a Carlson GNSS Smart antenna, for centimetre accuracy. These readings were stored in the memory of the instrument and downloaded for processing and interpretation. DLMGPS and MAGNETO software, alongside bespoke in-house software was used to process and present the data. For hand-held data, the Site grid was laid out using a Trimble VRS differential Global Positioning System (Trimble R6 model). The survey was undertaken using Bartington Grad601 magnetic gradiometers. These were employed taking readings at 0.25m intervals on zig-zag traverses 1.0m apart within 30m by 30m grids, so that 3600 readings were recorded in each grid. These readings were stored in the memory of the instrument and later downloaded to computer for processing and interpretation. Bespoke in-house software was used to process and present the data.
Project Results	A geophysical (gradiometer) survey was undertaken within the cable route corridor of the Light Valley Solar Park, North Yorkshire. The cable route totals approximately 328 ha in which 295 ha has been surveyed. Archaeological and possible archaeological responses have been recorded. These comprise rectilinear enclosures, linear and ring ditches and pits. Uncertain anomalies recorded within the data generally appear to be agricultural or geological in origin. Former field boundaries have been recorded along with medieval/post-medieval ridge and furrow cultivation, modern ploughing and land drains. Magnetic disturbance within the dataset can be attributed to adjacent tracks, metal fencing within field boundaries, electricity pylons, overhead cables, and service pipes. Geological responses seen within the dataset reflect either the topography of the site, discrete pockets of natural variations, or former watercourses. Based on the geophysical survey, the archaeological potential of this Site is deemed to be high where there are areas of activity and low elsewhere.

Keywords	Ring Ditch - LATER PREHISTORIC - FISH Thesaurus of Monument Types Rectilinear Enclosure - UNCERTAIN - FISH Thesaurus of Monument Types Field System - LATER PREHISTORIC - FISH Thesaurus of Monument Types
Funder	Private or public corporation Island Green Power
HER	North Yorkshire HER - unRev - STANDARD
Person Responsible for work	Emma Brunning, Jake Freeman
HER Identifiers	
Archives	

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Annex I Cable Route Corridor Part 2 Geophysical Survey Report (AOC Archaeology)

Light Valley Cable Route
North Yorkshire

Archaeological Geophysical Survey

National Grid Reference: SE 57981 32544
AOC Project No: 40920
Date: 21 January 2026



AOC Archaeology Group

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Light Valley Cable Route, North Yorkshire

Archaeological Geophysical Survey

On Behalf of:	**Lanpro Services Ltd.** **The Chocolate Works** **Stanley Harrison House** **York** **YO23 1DE**
National Grid Reference (NGR):	**SE 57981 32544**
AOC Project No:	**40920**
OASIS ID	**aocarcha1-539916**
Prepared by:	**Joel Goodchild, Rob Legg, Thomas Currie**
Illustrations by:	**Joel Goodchild**
Date of survey:	**22nd April to 21st November 2025**
Surveyors:	**Joel Goodchild, Marguerite Hall, Victoria Huggett, John Conran, Dan Shiel, Rob Legg**

This document has been prepared in accordance with AOC standard operating procedures.

Author: Joel Goodchild	**Date: 21 January 2026**
Quality Checked by: Hannah Brown	**Date: 21 January 2026**
Report Stage: Initial Draft	**Date: 21 January 2026**

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Non-Technical Summary

AOC Archaeology Group was commissioned by Lanpro Services on behalf of Arup to undertake an archaeological geophysical survey, using the magnetic gradiometry method to investigate the potential for buried archaeological remains prior to a proposed development along the Light Valley Cable Route, North Yorkshire, nominally centred at NGR SE 57981 32544.

The red line boundary is located in the District of Selby, between Ferrybridge and Thorganby. It covers a linear route comprising 288ha, which passes 1.5km north of Selby. Located in the Vale of York, the landscape is flat and mostly made up of large arable fields interspersed with villages such as Hambleton and Wistow. Field boundaries and roads in the area preserve elements of the historic landscape such as common land and strip fields. The site can be split into three red line boundaries: the western red line boundary contains ten field packages located between the A1 motorway in the west and the York-Selby rail line; the central red line boundary is a continuous route between the York-Selby rail line and the River Ouse; the eastern red line boundary is a continuous route between the River Ouse and River Derwent.

Of the 288ha that comprises the route, 35.92ha was completed by AOC Archaeology Group. Some areas could not be surveyed due to dense vegetation/crop cover and unsuitable ground conditions.

The results of the survey are largely consistent with agricultural remains such as former field boundaries, ridge and furrow and drainage. The soil and geological environment of the red line boundary were generally conducive to the survey and yielded good results. Features that have the potential to be more significant have been identified and consist of a possible rectilinear enclosure and a ring ditch. These have the potential to relate to evidence for prehistoric, Roman and medieval settlement identified in the vicinity of the red line boundary.

1 Introduction

1.1 AOC Archaeology Group was commissioned by Lanpro Services on behalf of Arup to undertake an archaeological geophysical survey using magnetic gradiometry of Light Valley Cable Route, North Yorkshire. The survey was commenced on 22nd April 2025 and completed on 21st November 2025 as part of a wider scheme of archaeological assessment in association with the proposed development of the site. The planned survey area was 288ha, of which 35.92ha was completed by AOC Archaeology Group. 14.2ha were unsuitable for survey due to fields having recently been ploughed and long vegetation. A total of 2.7ha were not surveyed due to changes in the the red line boundary in areas which had already been subject to survey.

1.2 Archaeological geophysical survey uses non-intrusive and non-destructive techniques to determine the presence or absence of anomalies likely to be caused by archaeological features, structures or deposits, as far as is reasonably possible (CIfA 2014, updated 2020). It is therefore a common component of the process of evaluating the impact of development on the historic environment. It is also a key tool in archaeological research as it is non-destructive and able to cover large areas, to allow below ground interventions to be appropriately targeted.

1.3 This survey was carried out to provide information on the presence, character and extent of potential buried archaeological remains within the proposed development site. The significance of any such remains can only be determied with reference to further information; this report may therfore form part of an assessment of significance, but cannot stand alone as such.

2 Red line boundary Location and Description

2.1 The proposed development site (hereafter ‘the red line boundary’) is located in the District of Selby, between Ferrybridge and Thorganby, nominally centred at SE 57981 32544.

2.2 The red line boundary covers 288ha across 179 fields consisting mostly of arable land and spans the lower reaches of the Aire and Ouse river valleys (Figure 2). The survey area is generally flat and lies between 3m and 12m above Ordnance Datum (aOD).

2.3 The solid geology underlying the majority of the red line boundary consists of sandstone of the Sherwood Sandstone Group. At the western end of the route (west of Field 405), Roxby Formation calcareous mudstone is present, with Brotherton Formation dolomitic limestone across Fields 311-413.

2.4 The bedrock is overlain by superficial deposits of glacigenic origin, comprising broad bands of Hemingbrough Glaciolacustrine Formation silty clay, Breighton Sand Formation and Skipwith Sand Member gravelly clayey sand, with alluvium associated with the River Ouse (BGS 2026). The soils within the red line boundary consist of freely draining and naturally wet loamy and clayey soils and in the west (Soilscape 5, 18, 22) and naturally wet loamy, clayey and sandy soils in the east (Soilscapes 15, 18 and 21) (Soilscapes 2025).

2.5 Magnetic gradiometry typically provides good results over sedimentary geology, average-poor results over sandstone geology and variable results over mudstone/clays (David *et al.* 2008). In this instance,

the soil and geological environment of the red line boundary were generally conducive to the survey and yielded good results.

3 Archaeological Background

3.1 The archaeological background below is drawn from information contained in the Light Valley Solar - Preliminary Environmental Information Report (2025) produced by Ove Arup & Partners.

Prehistoric (500,000 BC – AD 43)

3.2 The beginning of this period was characterised by brief and intermittent occupations by small groups of hunter-gatherers who relied on flint, bone, and antler tools for subsistence (Noort & Davies, 1993; Research Frameworks Network, 2025). During the Last Glacial Maximum, around 27,000 years BP, the British-Irish ice sheet extended into the northern portion of the Study Area, likely passing through what is now Escrick (The University of Sheffield, 2017). Evidence from this time is scarce, limited to a single hollow containing burnt material with possible early prehistoric origins discovered within cable corridor 1F Section A during the Yorkshire Derwent Aqueduct Duplication Main mitigation works [MNY24076], though this feature was not definitively dated.

3.3 Following glacial retreat, the landscape transitioned from tundra to woodland, offering increased plant and animal resources which supported seasonal, migratory human activity along river corridors (Noort & Davies, 1993). Archaeological material from this phase is typically limited to lithic artefacts and palaeoenvironmental deposits, often exposed through soil erosion resulting from intensive agriculture (Research Frameworks Network, 2025). The British Geological Survey has recorded superficial alluvial deposits of Mesolithic date onwards across the Ouse and Aire valleys, which have the potential to preserve stratified archaeological remains including stone tools and organic matter. No confirmed Mesolithic sites exist within the Study Area, although a small scatter of flint and fire-cracked stones of uncertain date was recorded south-east of Lennerton Farm, Sherburn-in-Elmet [MNY37227]. The presence of woodland-supporting soils and waterlogged river valleys suggests a landscape suitable for transient activity.

3.4 With the gradual introduction of farming and animal domestication, land use within the study area changed. The lighter soils at the northern extent of the Study Area were extensively cleared of woodland for small-scale pastoral farming, while further south, the early landscape was marshy with a complex system of rivers and creeks (Natural England, 2025). As a result, the southern area is believed to have remained largely unpopulated. Neolithic evidence remains limited, partly due to the absence of natural flint or chert sources, which reduced both the quantity and size of lithic implements compared to other regions (Research Frameworks Network, 2025). A small scatter of flint was recorded in 1980 during field walking associated with the British Rail East Coast Main Line Diversion [MNY10410] but no artefacts were retained. Two stone hand axes were recovered from the Riccall area in the early 20th century [MNY12169], although their exact findspot was not recorded. A further Neolithic findspot is noted roughly 330 metres northwest of Gateforth Wood [MNY9915]. While no settlements have been definitively identified, the density of cropmarks of potential prehistoric date across the Study Area may indicate early agricultural and domestic activity.

3.5 Evidence for Bronze Age activity is also sparse, perhaps because of persistent wetland conditions which discouraged widespread settlement in the area (Historic England, 2020). Settlement is likely to have been confined to the west and north, where elevated ground offered more suitable conditions. A hand axe findspot approximately 850 metres to the west [MNY17660] and a ring ditch to the east of cable corridor 1F Section A are the only features recorded in the NYHER for this period.

3.6 The Bronze Age is marked by a significant shift in burial traditions, moving from collective inhumation and cremation towards single burials beneath barrows. When barrows are completely ploughed out, they often present as ring ditches, with the infilled former quarry ditch presenting as a circular or sub-circular feature. Several ring ditches have been identified around the cable corridor [MNY17137; MNY17140; MNY17143;

MNY17144] and along it [MNY9901; MNY9902; MNY9903]. The location of these features on slightly higher ground near the interface of mudstone and limestone increases the likelihood that these could be prehistoric in date.

Romano-British (AD 43 – AD 410)

3.7 Although the Humberhead Levels remained relatively sparsely populated into the Iron Age and Roman periods, evidence of agriculture, settlement, and funerary activity has emerged across the Study Area. Much of this data is derived from remote sensing techniques, particularly aerial photography and satellite imagery.

3.8 The region was once under the control of the Brigantes tribal group during the late Iron Age, until Roman forces annexed the territory around 70 CE. Subsequently, the Romans established a network of forts between the mid-1st and 2nd centuries CE to secure their presence in Britannia. Examples of Roman forts within the Study Area have been identified at 1km south-east of Roall Road [SM1017822] and at Castleford (Lagentium), roughly 6.5 km west of the Proposed Development.

3.9 Settlement during these periods typically favoured higher ground to the north and areas of higher ground made up of fluvio-glacial deposits within the mashes and wetlands. Two potential Iron Age roundhouses have been tentatively identified on aerial photography north-west of Skipwith [MNY37048] with likely contemporary field systems visible as cropmarks [MNY17704; MYO3546] and earthworks [MNY37386; MNY40274] to the east, within the Study Area. Geophysical survey at the north-east extent of the study area has identified a number of potential archaeological features which may be indicative of later prehistoric settlement (SUMO Geosurveys, 2024a).

3.10 Further west, another complex of enclosures and field systems has been recorded [MNY37043; MNY37044; MNY37045; MNY37047]. The rectangular or ‘co-axial’ field system layouts common to the later prehistoric and Romano-British periods are characterised by uniformly small, conjoined, square/rectangular, field plots and an adherence to a particular axial symmetry, however the longevity of this style of agriculture makes attributing a precise period to these features challenging (Historic England, 2018a).

3.11 Excavation along the Yorkshire Derwent Aqueduct Duplication Main identified two boundary ditches [MNY24078; MNY24079] that yielded Roman pottery. Similar features uncovered at Charity Plantation also suggest Romano-British origins [MNY12093].

3.12 To the south-east of Riccall, excavation has identified an Iron Age and Romano-British settlement [ENY6435] near a possible square barrow [MNY17704] to its immediate east. Investigations into a suspected Roman villa [MNY12173] yielded stone blocks, possibly foundation stones, and Romano-British pottery sherds, although no definitive structure was confirmed.

3.13 To the east of Solar Development Site 8, historic settlement features [MNY17258] and nearby enclosures, visible as cropmarks, may be of Iron Age or Romano-British date [MNY10344; MNY110345].

3.14 Geophysical surveys of Solar Development Site 4 have identified two possible farmsteads within another surveyed field [Feature 6], consisting of ring ditches indicative of roundhouse settlement. Additional anomalies—including pits and ditches—were recorded nearby [Feature 5]. A Roman gritstone coffin recovered from this general area was relocated to St Mary’s Church, Birkin [LB1167351]. While cremation dominated early Roman burial practices, inhumation became more common from the 2nd century CE, often occurring on settlement fringes beside roads (Historic England, 2018b).

3.15 Finally, a geophysical survey identified a previously undocumented concentration of features consisting of enclosures, trackways, ditches, pits, and a ring ditch within Solar Development Site 2 whose alignment

suggests settlement activity. Though the characteristics point to later prehistoric or Romano-British origins, an early medieval or medieval interpretation remains possible.

Medieval (AD 410 – AD 1540)

3.16 Within the Study Area, only a single findspot, a Saxon copper alloy disc brooch [MNY23523] has been definitively dated to the early medieval period. This was recovered from the area east of Section A of Cable Corridor 1F. The exact findspot location of the spectacular 'Escrick Ring (Accession ref: YORYM-715F42)' has never been confirmed, however, the ring was recovered from a field near Escrick and represents an unusually high-status object. It is believed to have been manufactured in the 5th or 6th century CE.

3.17 Geophysical survey in Solar Development Site 4 confirmed the presence of previously identified moats in Field 4.12 [MNY9907] and Field 4.5 [MNY9905], the latter of which is c.100m in width. Similarly, Site 1 includes a large rectangular enclosure with a clearly defined ditch. Further possible moated sites area recorded across the Study Area [MNY12079; MNY10348; MNY10347; MNY10292].

3.18 Monastic activity is evidenced within the Study Area, to the north of Thorpe Willoughby, c.350 m from the Section C of Cable Corridor 1. The moated monastic grange at Thorpe Willoughby [SM1017460] was originally a grange of the Benedictine abbey at Selby. Monastic granges of unknown affiliation have been tentatively identified using documentary resources only, including Milford Grange, adjacent to Solar Development Site 6 [MNY17151] and c.500 m north of Solar Development Site 4 [MNY9904]. Second edition OS mapping (1908) indicates that the area around Monk Fryston Hall may have been a monastic site [MNY9887], but no other evidence exists to support this. The presence of 'Monk' in the village's name is suggestive of monastic associations.

3.19 Medieval agricultural activity is evidenced through the survival of areas of early ridge and furrow and contemporary field systems. This is particularly well preserved in the north of the Study Area, outside of the wetlands and into the Vale of York, close to or within areas utilised for agriculture since the later prehistoric periods (MYO2515; MYO4876; MYO2468; MYO2469, MYO2470; MYO2490; MYO2491; MYO2515; MNY31990; MNY36985; MNY37357). Within Solar Development Site 1, a small medieval farmstead [MNY17722] was identified from historic mapping in Field 1.40, with geophysical survey detecting possible undated ridge and furrow across much of the Site.

Post medieval – Industrial Period (AD 1540 – 1901)

3.20 Settlement centres across the Study Area were largely defined by the end of the medieval period. Thomas Jeffreys 'Survey of the County of Yorkshire' map of 1775 depicts a highly stylised representation of the Study Area. The high-water table, and later, value of the drained land resulted in limited expansion with all settlements remaining small hamlets or villages. The historic cores of Monk Fryston, Hillam, Hambleton, and Escrick contain numerous nationally important examples of domestic properties from the 17th to 19th centuries.

3.21 Significant drainage activity across the Humberhead levels began in the 1620s when Dutch drainage engineers began large-scale river diversions and land drainage. They introduced the practice of 'warping' where farmland was inundated with seasonally impounded tidal waters to deposit fertile alluvial silt.

3.22 Drainage and warping continued into the 18th century and created today's characteristic flat treeless landscape drained by a network of drains and dykes. Land drains and drainage dykes are present within the Study Area [MNY37290; MNY37289; MNY26157; MNY26302; MNY26198; MNY26303; MNY26199] as well as a number of undated features with a potential drainage function [MNY12112; MNY10346]. A large number of ponds are also recorded across the Study Area (documented from early OS mapping), most notably across Solar Development Site 1 and its immediate environs.

3.23 1850 Ordnance Survey mapping records numerous farmsteads across the Study Area including several, now demolished, farm complexes and cottages within Solar Development Sites 1, 4 and 8. Within Solar Development Site 1, Pallion Farm was formerly situated in Fields 1.37 and 1.38. Two farm cottages, Low Cottage [MNY9906] and Middle Cottage were also recorded within Solar Development Site 4, demolished during the first half of the 20th century and, within Solar Development Site 8, the 'Ruddings' is located in Field 8.1.

Modern (1901 – present)

3.24 Military remains are a key feature of the Study Area and wider North Yorkshire region, through a long-established connection with the Royal Air Force. World War II bombing decoy control building 270m south of Scalm Park Cottages Immediately outside of the Study Area, the RAF had sites at Church Fenton and Burn including bomb storage, aircraft pens, barracks and hangers. An airfield [MNY10281] with adjacent aircraft factory was located at Sherburn-in-Elmet.

4 Aims

4.1 The aim of the geophysical survey was to identify anomalies that suggest the presence of archaeological remains in order to enhance the current understanding of the historical environment within the red line boundary.

4.2 Specifically, the aims of the gradiometer survey were:

- To locate, record and characterise any potential surviving sub-surface archaeological remains within the red line boundary, as part of a broader archaeological evaluation of the proposed cable route
- To help determine the next stage of works as per the client's instruction
- To produce a comprehensive site archive (Appendix 1) and report

5 Methodology

5.1 The geophysical survey was undertaken between 22/04/2025 and 23/11/2025.

5.2 All geophysical survey work was carried out in accordance with current good practice specified in the EAC guidelines document (Schmidt *et al.* 2015), as recommended by Historic England, and in the Chartered Institute for Archaeologists' *Standard and Guidance for Archaeological Geophysical Survey* (2014, updated 2020).

5.3 Parameters and survey methods were selected that were suitable for the prospective aims of the survey and in accordance with recommended professional good practice (Schmidt *et al*. 2015).

5.4 Digital photographs of every survey parcel were taken before, during and after geophysical survey to show any changes to field conditions following the programme of works. The photos were downloaded and stored off site, and relevant examples are included as Plates 1 to 19 in this report.

5.5 The gradiometer survey was carried out using survey methodologies including Bartington Grad601-2 fluxgate gradiometers (handheld and cart-mounted, see Appendix 2) and a Sensys MAGNETO® MXPDA push-cart magnetometer system.

Bartington Grad601-2 fluxgate gradiometer

5.6 The Bartington Grad601-2 fluxgate gradiometer (handheld) survey was conducted within a grid system, across grids measuring 30m by 30m, which were marked out using temporary markers at each grid node.

5.7 Grid nodes were set out and recorded using a Trimble R10 dGPS with an error no greater than +/- 0.05m. The GPS system uses the Trimble "VRS Now" service to provide instant access to real-time kinematic (RTK) corrections enabling an accuracy of < 2cm. It was connected via a SIM card run on the Vodafone network with good cellular signal in the red line boundarys, meaning a repeater was not required.

5.8 Data was collected in the field using zig-zag traverses, with a sample interval of 0.25m and a traverse interval of 1m.

5.9 A total of 11.19ha were surveyed using the Bartington Grad601-2 fluxgate gradiometer.

5.10 Before each session of use, each gradiometer was balanced around a single set up point within the red line boundary specifically chosen for use by all instruments used in the survey. This point is magnetically quiet and balancing the machine around this point, produces a more uniform dataset throughout and allows all data to be plotted with ease within a standard range as appropriate to the survey environment. Striping of the data may occur due to instrument drift; it is decided in the field if this is within a sensible and acceptable limit; if it is not, the grid(s) in question are re-collected.

5.11 Care was also taken to attempt to avoid metal obstacles present within the red line boundary, such as metal objects within and adjacent to the red line boundary as gradiometer survey is affected by 'above-ground ferrous disturbance' and avoiding these improves the overall data quality and results obtained.

5.12 The gradiometer data were downloaded using Bartington Grad601 PC Software v313 and processed using Geoscan Geoplot v4.0, the details of which can be found in Appendices 2 and 3. Data processing, storage and documentation were carried out in accordance with the good practice specifications detailed in the guidelines issued by the Archaeology Data Service (Schmidt and Ernenwein 2009).

5.13 Interpretations of the data were created as layers in ArcGIS Pro and the technical terminology used to describe the identified features can be found in Appendix 4.

Bartington Non-Magnetic Cart

5.14 Where a hand-pushed cart was most suitable for survey, a Bartington Non-Magnetic Cart was used. The cart system utilises six Grad-01 fluxgate gradiometer sensors mounted upon a carbon fibre frame at 1m intervals, along with data logging equipment and batteries (see Appendix 2). Before each session of use, the cart system was balanced around a single set up point within the red line boundary, specifically chosen for being magnetically quiet. Balancing the machine around this point produces a more uniform dataset throughout and allows all data to be plotted with ease on the same palette.

5.15 Data was collected using zig-zag traverses alongside a constant stream of GPS data collected through a Trimble R10 GPS, enabling the collected data to be spatially georeferenced without the need for a pre-determined grid system. The data was logged on a laptop mounted to the cart using Geomar MLGrad601 software.

5.16 A total of 17.2ha were surveyed using the Bartington cart.

5.17 Care was also taken to attempt to avoid metal obstacles present within the red line boundary, such as metal objects within and adjacent to the red line boundary as gradiometer survey is affected by 'above-ground ferrous disturbance' and avoiding these improves the overall data quality and results obtained.

5.18 The data was downloaded from MLGrad601 and converted into a .xyz file in Geomar MultiGrad601 before being processed in TerraSurveyor 4.0. The details of these processes can be found in Appendices 2 and 3.

5.19 Interpretations of the data were created in ArcGIS Pro and the technical terminology used to describe the identified features can be found in Appendix 4.

Sensys MAGNETO® MXPDA push-cart magnetometer system

5.20 The survey was carried out using a Sensys MAGNETO® MXPDA push-cart and ATV mounted magnetometer system. The cart utilises five/eight FGM650/3 fluxgate gradiometer sensors mounted 1m apart upon a frame along with data logging equipment and batteries (see Appendix 2).

5.21 Data was collected using zig-zag traverses alongside a constant stream of GPS data collected through a Trimble R10 GPS, enabling the collected data to be spatially georeferenced without the need for a pre-determined grid system. The data and measured tracks were collected through the data acquisition unit MXPDA and visualised through a tablet PC mounted to the cart.

5.22 A total of 6.82ha were surveyed using the Sensys cart.

5.23 Care was taken to attempt to avoid metal obstacles present within the red line boundary, such as metal objects within and adjacent to the red line boundary as gradiometer survey is affected by 'above-ground ferrous disturbance' and avoiding these improves the overall data quality and results obtained.

5.24 The data was downloaded via USB and converted using DLMGPS before being processed using Terrasurveyor 4.0 software. The details of these processed can be found in Appendices 2 and 3.

5.25 Interpretations of the data were created as layers in ArcGIS Pro and the technical terminology used to describe the identified features can be found in Appendix 4.

6 Results and Interpretation

6.1 The gradiometer survey results have been visualised as greyscale plots, with the processed data plotted at -1nT to 2nT as seen in Figures 5.1 - 5.49. An interpretation of the data can be seen in Figures 6.1 - 6.49 and an individual characterisation of the numbered identified anomalies of interest is given below.

6.2 Appendix 4 contains a guide to the interpretation categories employed and the logic used to assign anomalies to specific classes, as well as a short discussion of how past human activity results in these anomalies, however, some important points are noted below:

6.3 The classes have three sub-types (generally): anomalies (typically indicated by a solid colour polygon), spreads (a stippled polygon) and trends (a line with a colour matching the polygon colour). *Anomalies* refer to distinct changes in the survey data which suggest an abrupt boundary between materials below ground, such as a cut feature with a magnetically contrasting fill. *Spreads* of enhanced material refer to diffuse areas of altered magnetic contrast which suggest a localised spread of material with a magnetic contrast within the topsoil or ploughzone. Linear *trends* are less distinct and are typically visible as linear patterning in the overall texture of the data. A common example of these is the striping effect caused by recent ploughing.

6.4 Anomalies placed in the '*Uncertain'* class may have an archaeological origin, but other explanations are equally likely. Where any particular interpretation is *more* likely than others, the anomaly is assigned to that class.

6.5 The definite '*Archaeology'* class is only used for anomalies with no other possible explanation, either due to their diagnostic characteristics or because they are corroborated by other sources such as previous interventions within the red line boundary. Anomalies with magnetic characteristics or morphologies that suggest an archaeological origin will generally be assigned to the '*Possible Archaeology'* class.

6.6 The anomaly type '*Ferrous Spike'* is assigned to strong dipolar anomalies which cover a small spatial area and have a characteristic appearance in the XY traces of the survey data. These are strongly likely to be of recent origin in the form of magnetic or ferrous debris within the topsoil; 'spikes' of other origin will be assigned to their appropriate classification.

6.7 A distinction is made between modern *disturbance* from strongly ferrous materials within or adjacent to the red line boundary, such as the strong dipolar 'halos' produced by services like gas mains, and spreads of material within the topsoil causing noise that is assumed to have a recent origin. Generally speaking, '*Modern Disturbance'* occurs at a distance from a magnetic source, whereas *modern magnetic spreads/debris* are related to material directly at that location.

6.8 Generally, only anomalies (or groups thereof) of a likely archaeological or historical origin have been assigned an anomaly identifier on the interpretation figures. However, anomalies interpreted as resulting from other processes that are integral to the discussion of the results have also been assigned anomaly numbers.

6.9 In general, the superficial deposits across the majority of the survey are made up of sands, silty clays and alluvial deposits that provide mixed results in terms of their conduciveness for magnetic gradiometry. Across the scheme as a whole, relatively few anomalies relating to possible/probable archaeological features have been identified, with the majority of features likely relating to agricultural activity.

Definite/Probable Archaeology

6.10 Across the scheme, only one group of features have been confidently interpretated as being archaeological in origin.

6.11 A large rectilinear linear anomaly [**418A**], identified at the south-eastern extent of Field 418, is interpreted as a large enclosure or a field boundary.

Possible Archaeology

6.12 Anomalies relating to possible archaeological features have been identified in several fields across the scheme.

6.13 Ditches associated with possible field systems have been identified in fields 464, 324 and 93 [**464A, 324C**, **93A**].

6.14 Running south-southeast to north-northeast across the centre of Field 405 are parallel linear anomalies [**405A**] which may be caused by infilled ditches.

6.15 A circular group of discrete positive anomalies [**324A**] have been identified at the north-eastern extent of Field 324 may be indicative of infilled features.

6.16 A spread of discrete positive anomalies [**324B**] are visible at the north-eastern extent of the red line boundary in Field 324 which have been tentatively identified as having a possible archaeological origin. These are in close proximity to the circular group of anomalies [**324A**] and may be associated.

6.17 A positive linear anomaly [**324C**] is visible at the south-eastern extent of Field 324 which may be indicative of an infilled feature such as a ditch. While it appears on the same alignment as the parallel ditches in Field 405 [405A] and so may relate to the same feature. It should be noted that these anomalies exhibit a weaker magnetic response and as such have a more tentative interpretation.

Unclear Origins

6.18 Anomalies of unclear origin have been identified in fields across the scheme.

6.19 A positive linear anomaly [**407B**] is visible at the northern extent of the Field 407 outside the red line boundary.

6.20 Three discrete positive linear anomalies [**412A**] are visible outside the northern extent of the red line boundary in Field 412 and may relate to variation in the superficial geology.

6.21 A series of weak positive linear trends [**464B**] are visible running across the northern part of Field 464 the origin of which are unclear.

6.22 Two discrete linear anomalies [**323A**] of unknown origin have been identified in the southern portion of the field.

6.23 A discrete curvilinear anomaly [**93B**] has been identified in the northern extent of Field 93.

Historical Features

6.24 Anomalies relating to historical features have been identified in fields across the scheme. These relate to magnetic responses associated with former field boundaries that are depicted on historical Ordnance Survey mapping [**464D, 405B, 405C, 403A, 403B, 324D, 306A, 172C, 103A**].

Agricultural

6.25 Anomalies relating to probable field boundaries have been identified in several fields across the scheme. These primarily relate to probable ditches associated with these boundaries [**172A, 172B, 407A**, **418B, 418C, 464B, 464C, 324A, 324C**, **93A, 93B**].

6.26 Linear anomalies representing historic ploughing have been identified across the red line boundary. These anomalies are primarily indicative of ridge-and-furrow, the orientation of which varies across is generally consistent with the limits of former fields depicted on historical mapping.

Non – Archaeology

6.27 Strong magnetic disturbance due to the presence of services, and above-ground and below-ground electrical infrastructure, is evident in many of the red line boundaries. This is particularly noticeable in the case of the disturbance associated with high voltage power lines, pylons and below-ground services running through fields 103, 306, 282 and 93.

6.28 Magnetic anomalies likely relating to variation in superficial geology are visible in fields 412, 418, 414, 250, and 324.

Detailed Discussion of Results

The detailed results below are set out by field, from southwest to northeast. Some of the numbered parcels have not been selected for survey as they coincide with hedges, ditches, waterways, etc.

The figure numbers referred to in Table 1 and 2 below refer to the 1:1250 detailed plots Figures 5.1 to 5.49 and 6.1 to 6.49. The anomaly IDs are displayed on the detailed interpretation Figures 6.1 to 6.49.

Table 1 Detailed Results of Geophysical Survey: Indicative Cable Route

Field No	Definite / Probable Archaeology	Possible Archaeology	Unclear Origin	Agricultural & Historical	Non-Archaeological
397 **Figures:** **5.1** **6.1**	None identified.	None identified.	None identified.	None identified.	The red line boundary is characterised by a spread of magnetic disturbance and isolated ferrous anomalies.
407 **Figures:** **5.2** **6.2**	None identified.	None identified.	A positive linear anomaly [**407B**] is visible at the northern extent of the field outside the red line boundary.	A series of positive linear anomalies [**407A]** are visible at the southern extent of the field outside of the red line boundary. This may indicate a former trackway or boundary feature Positive linear anomalies indicative of ridge and furrow ploughing are visible	Spreads of magnetic disturbance and ferrous anomalies are visible within the red line boundary. Isolated ferrous anomalies are also apparent in the southern portion of the field.

Field No	Definite / Probable Archaeology	Possible Archaeology	Unclear Origin	Agricultural & Historical	Non-Archaeological
				aligned northwest-southeast within the red line boundary.	
411 **Figures:** **5.3** **6.3**	None identified.	None identified.	None identified.	Positive linear anomalies likely indicative of ridge and furrow cultivation are visible aligned northwest-southeast within the red line boundary. Weak linear trends aligned northwest-southeast and northeast-southwest across the red line boundary are consistent with field drains.	A spread of magnetic disturbance and isolated ferrous anomalies have been identified in the red line boundary.
412 **Figures:** **5.4** **6.4**	None identified.	None identified.	A discrete positive linear anomaly [**412B**] is visible in the northern extent of the red line boundary and may relate to variation in the superficial geology.	Positive linear anomalies indicative of field drains ploughing are visible roughly aligned northwest-southeast and northeast-southwest within the red line boundary.	Isolated ferrous anomalies have been identified in the red line boundary. Variation in superficial geology is visible as magnetic variation at the northern extent of the red line boundary.
418	A rectilinear	None identified.	None identified.	A linear positive	Isolated ferrous anomalies

Field No	Definite / Probable Archaeology	Possible Archaeology	Unclear Origin	Agricultural & Historical	Non-Archaeological
Figures: **5.5** **6.5**	positive anomaly [**418A**] may represent an enclosure or former field boundary.			anomaly **418C**] may represent a former field boundary of unknown date but is not visible on historic OS mapping A discrete positive anomaly [**418B]** may represent the continuation of a field boundary. Weak linear trends aligned broadly NW-SE across the red line boundary are consistent with field drains.	have been identified in the red line boundary. Variation in superficial geology is visible as magnetic variation in the western part of the field.
414 **Figures:** **5.6** **6.6**	None identified.	None identified.	None identified.	Weak linear trends aligned broadly northwest-southeast across the red line boundary are consistent with field drains.	Isolated ferrous anomalies have been identified in the red line boundary. Variation in superficial geology is visible as magnetic variation in the western part of the field.
250 **Figures:** **5.7** **6.7**	None identified.	None identified.	None identified.	None identified.	Isolated ferrous anomalies and areas of magnetic disturbance have been identified in the red line boundary. Variation in superficial

Field No	Definite / Probable Archaeology	Possible Archaeology	Unclear Origin	Agricultural & Historical	Non-Archaeological
					geology is visible as magnetic variation in the north-western extent of the field.
466 **Figures:** **5.8-5.9** **6.8-6.9**	None identified.	None identified.	None identified.	None identified.	Magnetic disturbance associated with a probable service has been identified in the northern extent of the field.
467 **Figures:** **5.8-6.9** **5.8-6.9**	None identified.	None identified.	None identified.	None identified.	Magnetic disturbance associated with a probable service has been identified in the northern extent of the field.
464 **Figures:** **5.10** **6.10**	None identified.	Positive linear anomalies [**464A**] indicative of possible former field boundaries are visible crossing the field.	None identified.	Weak positive linear trends [**464B**] are visible running across the southern part of the field. The origin of these features is unclear. A pair of parallel linear anomalies [**464C**] are visible at the western extent of the red line boundary. These likely relate to ploughing or a field drain. Positive linear	Magnetic disturbance is visible along the northern edge of the field and is likely associated with the fenceline. A discrete ferrous anomaly has been identified at the northern extent of the red line boundary.

Field No	Definite / Probable Archaeology	Possible Archaeology	Unclear Origin	Agricultural & Historical	Non-Archaeological
				anomalies likely indicative of ridge and furrow cultivation are visible aligned north-south at the southern extent of the red line boundary. A positive linear anomaly [**464D**] aligns with a former field boundary visible on historic OS mapping running east-west across the red line boundary.	
465 **Figures:** **5.11-5.13** **6.11-6.13**	None identified.	None identified.	None identified.	Positive linear anomalies likely indicative of ridge and furrow cultivation are visible aligned north-south at the southern extent of the red line boundary. Weak linear trends aligned broadly northeast-southwest across the red line boundary are consistent with field drains.	Isolated ferrous anomalies have been identified in the red line boundary.

Field No	Definite / Probable Archaeology	Possible Archaeology	Unclear Origin	Agricultural & Historical	Non-Archaeological
				A positive linear anomalies [**465A**] is visible in the red line boundary and is aligned with a former field boundary visible on historical OS mapping.	
405 **Figures:** **5.14-5.16** **6.14-6.16**	None identified.	Running south-southeast to north-northwest across the centre of the red line boundary are parallel linear anomalies [**405A**] that may be consistent with the presence of infilled ditches.	None identified.	Positive linear anomalies [**405B, 405C**] are visible in the red line boundary and are aligned with former field boundaries visible on historical OS mapping. Weak linear trends aligned broadly northeast-southwest across the red line boundary are consistent with field drains.	Isolated ferrous anomalies have been identified across the red line boundary. A ferrous spread has been identified at the eastern extent of the red line boundary. Several linear striations across most of the red line boundaries are likely to relate to modern ploughing.
403 **Figures:** **5.17-5.18** **6.17-6.18**	None identified.	None identified.	None identified.	Positive linear anomalies [**403A, 403B**] are visible in the red line boundary and are aligned with former field boundaries visible on historical OS mapping. Weak linear trends at	Isolated ferrous anomalies have been identified in the red line boundary. A small ferrous spread has been identified in the south of the red line boundary and part of a more extensive spread is present across the northern

Field No	Definite / Probable Archaeology	Possible Archaeology	Unclear Origin	Agricultural & Historical	Non-Archaeological
				the southern extent of the red line boundary are consistent with field drains.	tip of this area.
282 **Figures:** **5.19** **6.19**	None identified.	None identified.	None identified.	Positive linear anomalies are aligned northeast-southwest and are likely associated with cultivation.	A buried service has been detected along the northern edge of the field, with surrounding magnetic disturbance. Magnetic disturbance also occurs surrounding an extant pylon. The strength of the magnetic readings alongside these features has introduced some data artefacts in the surrounding area.
306 **Figures:** **5.20-5.24** **6.20-6.24**	None identified.	None identified.	None identified.	A positive linear anomaly [**306A**] is visible in the red line boundary and is aligned with a former field boundary visible on historical OS mapping. Weak linear trends aligned on several orientations broadly north-south across the red line boundary are consistent with field	Magnetic disturbance has been identified in the north of the red line boundary associated with a pylon. A series of strong, localized ferrous anomalies are most likely to be caused by modern debris in the topsoil.

Field No	Definite / Probable Archaeology	Possible Archaeology	Unclear Origin	Agricultural & Historical	Non-Archaeological
				drains.	
323 **Figures:** **5.25-5.28** **6.25-6.28**	None identified.	None identified.	Discrete anomalies [**323A**] have been identified in the southern part of the red line boundary.	Weak linear trends aligned broadly northeast-southwest across the red line boundary are consistent with field drains.	Isolated ferrous anomalies have been identified in the red line boundary.
325, 326 **Figures:** **5.29-5.32** **6.29-6.32**	None identified.	None identified.	None identified.	Weak linear trends aligned broadly east-west across the red line boundary are consistent with field drains.	Isolated ferrous anomalies have been identified across both fields along with areas of magnetic disturbance.
324 **Figures:** **5.33-5.37** **6.33-6.37**	None identified.	A circular group of discrete positive anomalies [**324A**] have been identified at the north-eastern extent of the red line boundary that may be indicative of infilled features. A spread of discrete positive anomalies [**324B**] are visible at the north-eastern extent of the red line boundary.	None identified.	Positive linear anomalies indicative of cultivation are visible aligned north-south in the northern extent of the red line boundary. A positive linear anomaly [**324C**] is visible at the south-eastern extent of the red line boundary which may be indicative of an infilled feature such as a ditch. A positive linear anomaly [**324D**] is visible in the red line	Isolated ferrous anomalies have been identified in the red line boundary. An area of magnetic disturbance has been identified at the north-eastern extent of the red line boundary associated with an entrance to the field. Positive anomalies in the south-eastern extent of the red line boundary relate to changes in the superficial geology.

Field No	Definite / Probable Archaeology	Possible Archaeology	Unclear Origin	Agricultural & Historical	Non-Archaeological
				boundary and is aligned with a former field boundary visible on historical OS mapping. Weak linear trends aligned broadly north-south are visible in the northern extent of the red line boundary. These are consistent with field drains.	
230 Figures: 5.38-5.39 6.38-6.39	None identified.	None identified.	None identified.	None identified.	Isolated ferrous anomalies have been identified in the red line boundary.
172 Figures: 5.40-5.41 6.40-6.41	None identified.	None identified.	None identified.	Positive linear and rectilinear anomalies [**172A**] indicative of infilled features such as ditches are visible in the red line boundary and may represent former field boundaries. This interpretation is supported by the similarity in form of these anomalies and those interpreted as a	Discrete ferrous anomalies have been identified in the red line boundary. Areas of magnetic disturbance have been identified at the eastern and western extents of the red line boundary and are likely associated with metal fencing.

Field No	Definite / Probable Archaeology	Possible Archaeology	Unclear Origin	Agricultural & Historical	Non-Archaeological
				former post-medieval field boundary based on supporting evidence. Three parallel positive linear anomalies [**172B**] indicative of infilled features such as ditches are visible outside the northern side of the RLB but appear to continue red line boundary within it. A positive discontinuous linear anomaly [**172C**] is visible in the red line boundary and is aligned with a former field boundary visible on historical OS mapping.	
129 **Figures:** **5.42-5.44** **6.42-6.44**	None identified.	None identified.	None identified.	Weak linear trends aligned broadly northwest-southeast in the southern extent of the red line boundary are consistent with field drains.	Isolated ferrous anomalies have been identified in the red line boundary, along with some broader spreads of ferrous material.
103 **Figures:**	None identified.	None identified.	None identified.	A positive linear anomaly [**103A**] is	Spreads of ferrous material and magnetic disturbance

Field No	Definite / Probable Archaeology	Possible Archaeology	Unclear Origin	Agricultural & Historical	Non-Archaeological
5.45 **6.45**				visible in the red line boundaries and is aligned with a former field boundary visible on historical OS mapping.	have been detected across the red line boundary. Magnetic disturbance was encountered across the southern edge of the area and may be associated with a buried service located beyond the extent of the red line boundary
98 **Figures:** **5.46** **6.46**	None identified.	None identified.	None identified.	None identified.	Spreads of ferrous material and magnetic disturbance have been detected across the red line boundary. A buried service has been detected running northwest-southeast across it.
96 **Figures:** **5.47** **6.47**	None identified.	None identified.	None identified.	None identified.	Isolated ferrous anomalies have been identified across the red line boundary. A spread of magnetic disturbance is visible in the west of the red line boundary.
93, 94 **Figures:** **5.48-5.49** **6.48-6.49**	None identified.	None identified.	A discrete positive curvilinear anomaly [**93B**] is visible in the northern extent of the red line	Weak linear trends aligned broadly northwest-southeast and east-west across	Magnetic disturbance associated with a probable service has been identified running along the eastern

Field No	Definite / Probable Archaeology	Possible Archaeology	Unclear Origin	Agricultural & Historical	Non-Archaeological
			boundary.	the red line boundary are consistent with field drains. A positive linear anomaly [**93A**] is visible running across the center of the red line boundary, which may be indicative of an infilled feature such as a ditch.	edge of the red line boundary (beyond the RLB). Isolated ferrous anomalies have been identified across the red line boundary.

7 Conclusion

7.1 This report covers 35.92ha of gradiometer survey across land comprising the Light Valley Cable Route. The magnetic background of the red line boundary was generally quiet and provided sufficient contrast for anomalies that exhibit strong to medium enhancement to be detected across each of the red line boundaries.

7.2 The results of the survey predominantly relate to probable agricultural features, reflecting the rural character of the red line boundary over a long period of time. The large rectilinear anomaly identified in Field 418 is of probable archaeological origin and likely denotes a Roman-period enclosure. Several other anomalies were identified as having a possible archaeology origin, though many of these lack the magnetic signature or patterning to be conclusively identified as probable archaeological features. As such, it is possible that that these are caused by geological changes in the substrata or agricultural activity.

7.3 In assessing the results of the geophysical survey against the specific aims set out in Section 4:

- The survey has succeeded in locating, recording and characterising surviving sub-surface remains within the Site, though more remains may be present that are not suitable for detection using magnetic gradiometry.
- The survey will help in determining the next stage of works; it has provided evidence that remains of an uncertain origin are most likely present on site, and has provided a number of targets for further investigation.
- The survey has resulted in a comprehensive report and archive.

8 Statement of Indemnity

8.1 Although the results and interpretation detailed in this report have been produced as accurately as possible, it should be noted that the conclusions offered are a subjective assessment of collected datasets.

8.2 The success of a geophysical survey in identifying archaeological remains can be heavily influenced by several factors, including geology, seasonality, field conditions and the properties of the features being detected. Therefore, the geophysical interpretation may only reveal certain archaeological features and not produce a complete plan of all the archaeological remains within a red line boundary.

9 Archive Deposition

9.1 In accordance with professional standard practice an online OASIS database record will be completed for submission to the HER and Archaeological Data Service (ADS) (Appendix 2).

9.2 One digital and hard copy of the report and data will be submitted to the relevant Historic Environment Record (HER) at the Client's discretion.

9.3 A digital copy of the report and data will also be submitted to the ADS at the Client's discretion.

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*denotes a reference that occurs in Appendix 2 rather than the main body of this report.

11 Plates



Plate 1: North-east facing photograph of Field 98 prior to survey



Plate 2: North facing photograph of Field 98 during survey



Plate 3: North facing photograph of Field 324 prior to survey



Plate 4: North-east facing photograph of Field 103 prior to survey



Plate 5: North facing photograph of Field 326 prior to survey



Plate 6: East facing photograph of Field 306 during survey



Plate 7: East facing photograph of Field 172 during survey



Plate 8: East facing photograph of Field 405 during survey



Plate 9: North facing photograph of Field 129 prior to survey



Plate 10: South-west facing photograph of Field 172 during survey



Plate 11: South-west facing photograph of Field 282 prior to survey



Plate 12: South facing photograph of Field 414 prior to survey



Plate 13: South facing photograph of Field 412 prior to survey



Plate 14: South-east facing photograph of Field 98 prior to survey



Plate 15: North facing photograph of Field 466 prior to survey



Plate 16: North facing photograph of Field 467 prior to survey



Plate 17: North facing photograph of Field 468 prior to survey



Plate 18: North-east facing photograph of Field 468 during survey



Plate 19: North facing photograph of Field 323 during survey

12 Figures

LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure	Location Overview
1	

Legend

Light Valley Cable Route



System:	Coordinate System: British National Grid Projection: Transverse Mercator Datum: OSGB 1936			Scale:	1:70,000
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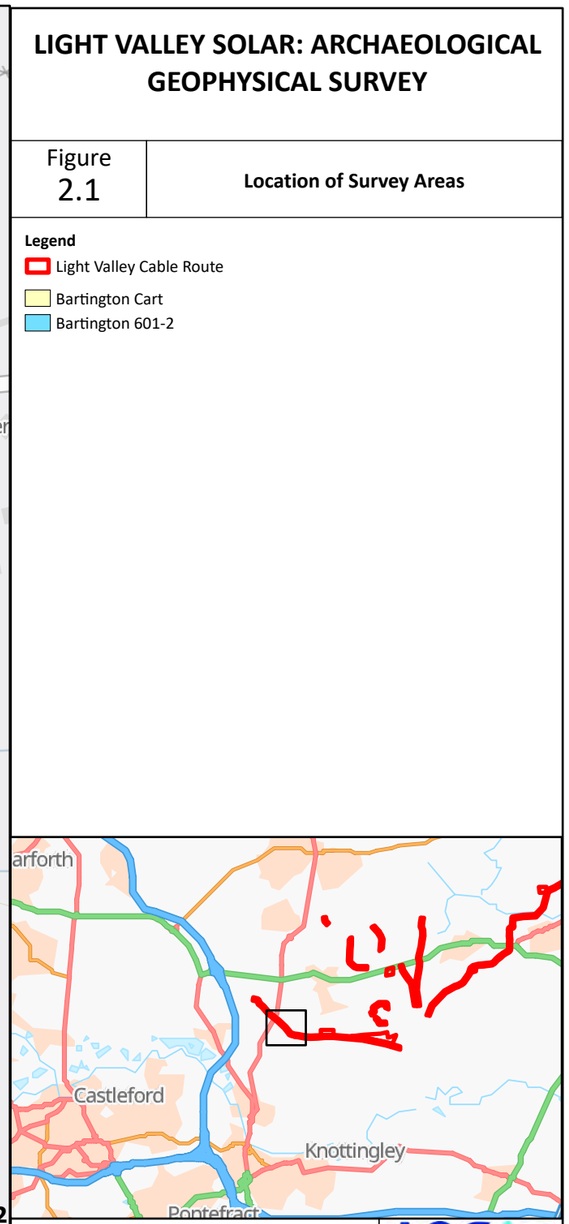
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 2.1 — **Location of Survey Areas**

Legend

- Light Valley Cable Route
- Bartington Cart
- Bartington 601-2



0 — N — 200 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:4,000

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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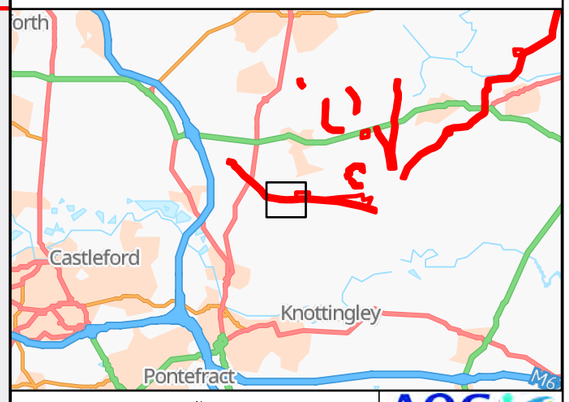
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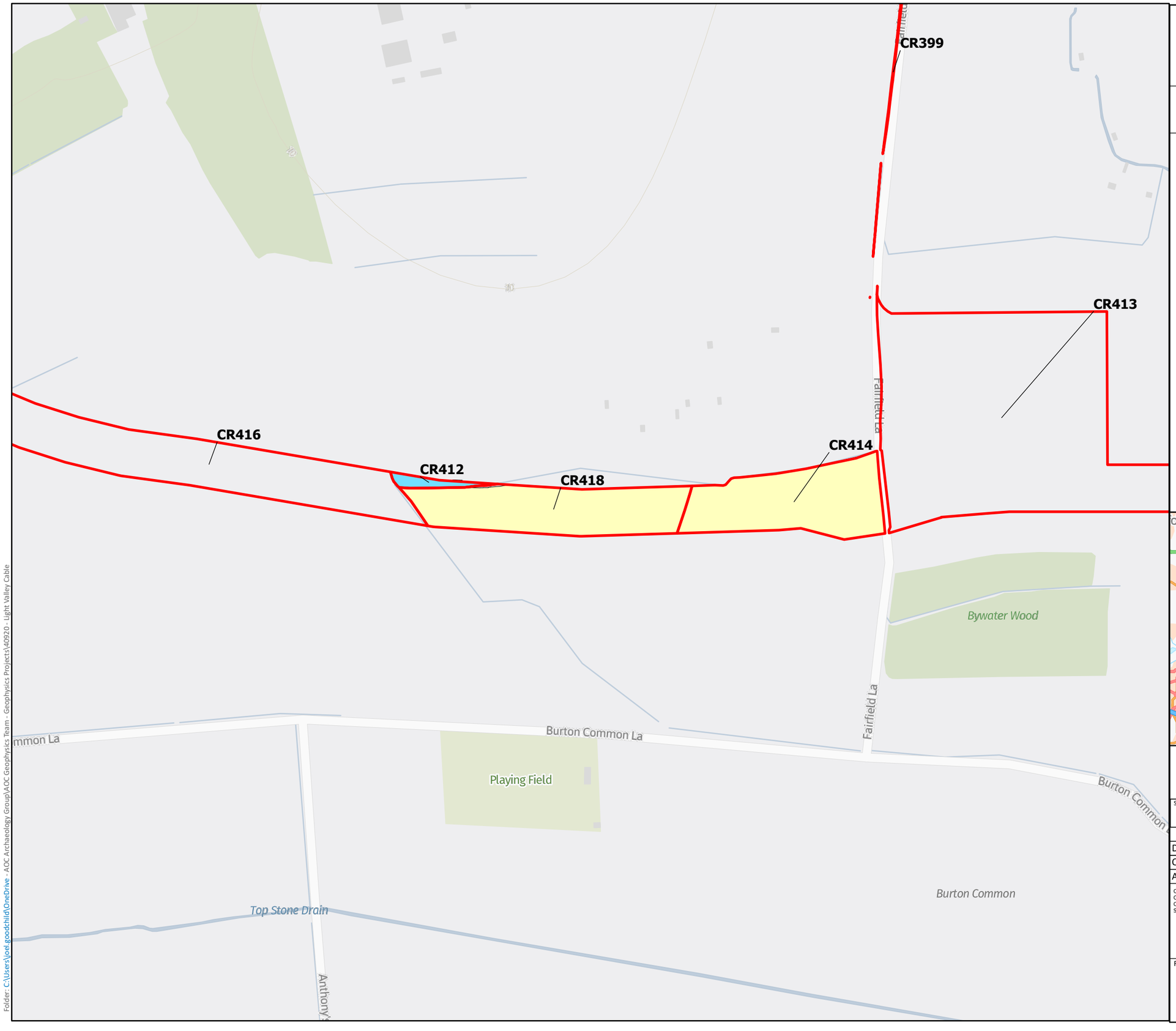
LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 2.2	Location of Survey Areas

Legend

- Light Valley Cable Route
- Bartington Cart
- Bartington 601-2





0 200 m N

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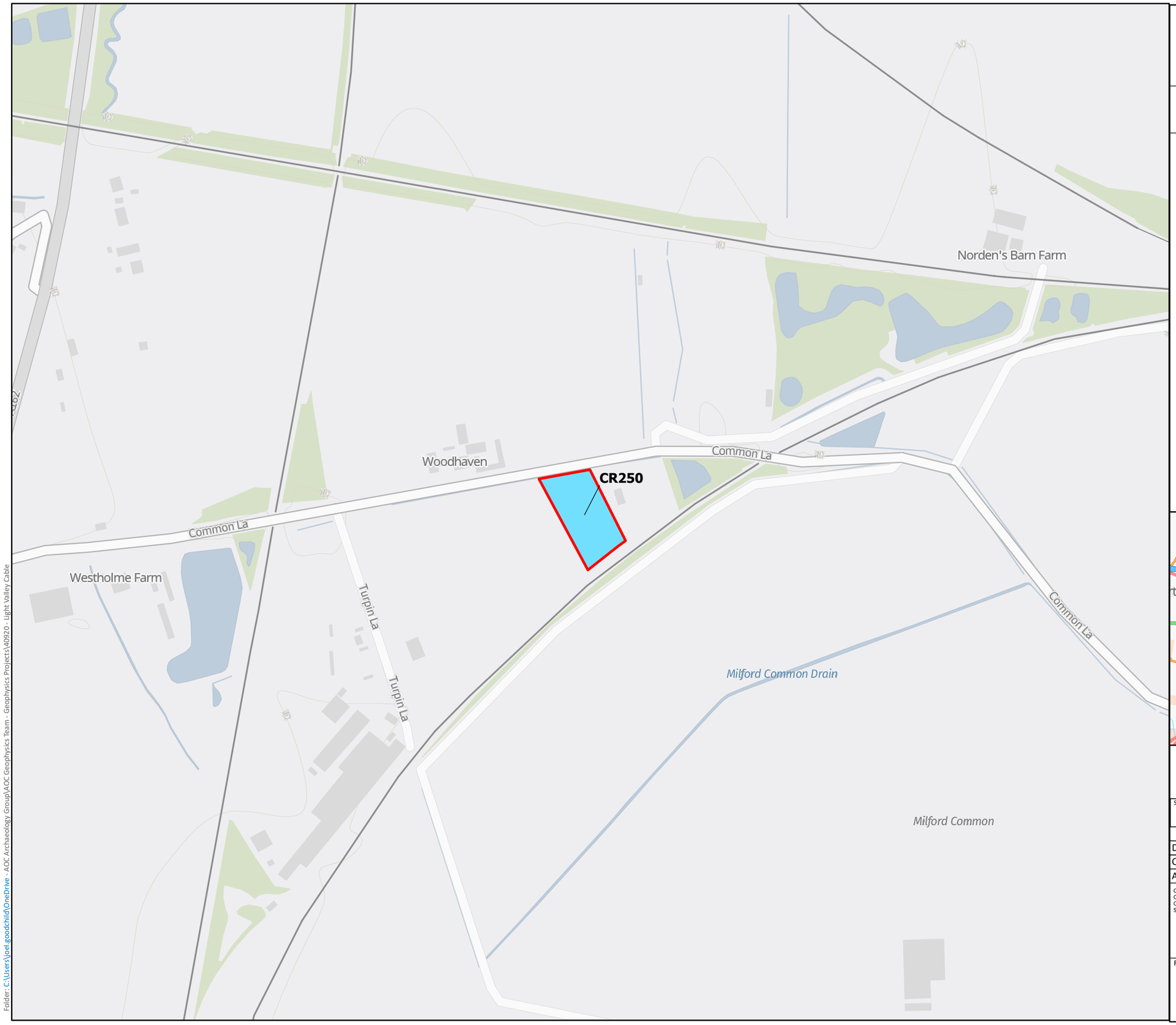
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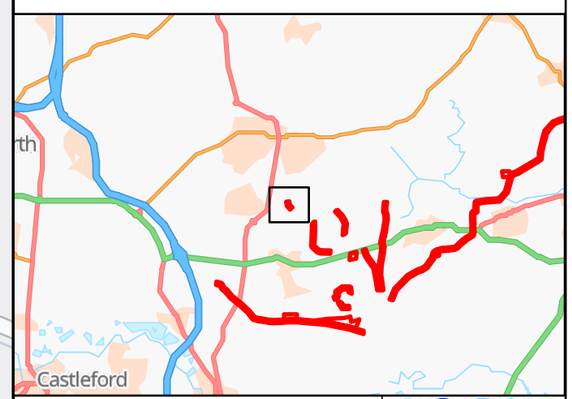
LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 2.3	Location of Survey Areas

Legend

- Light Valley Cable Route
- Bartington 601-2





0 200 m

N

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Projection: Transverse Mercator
Datum: OSGB 1936

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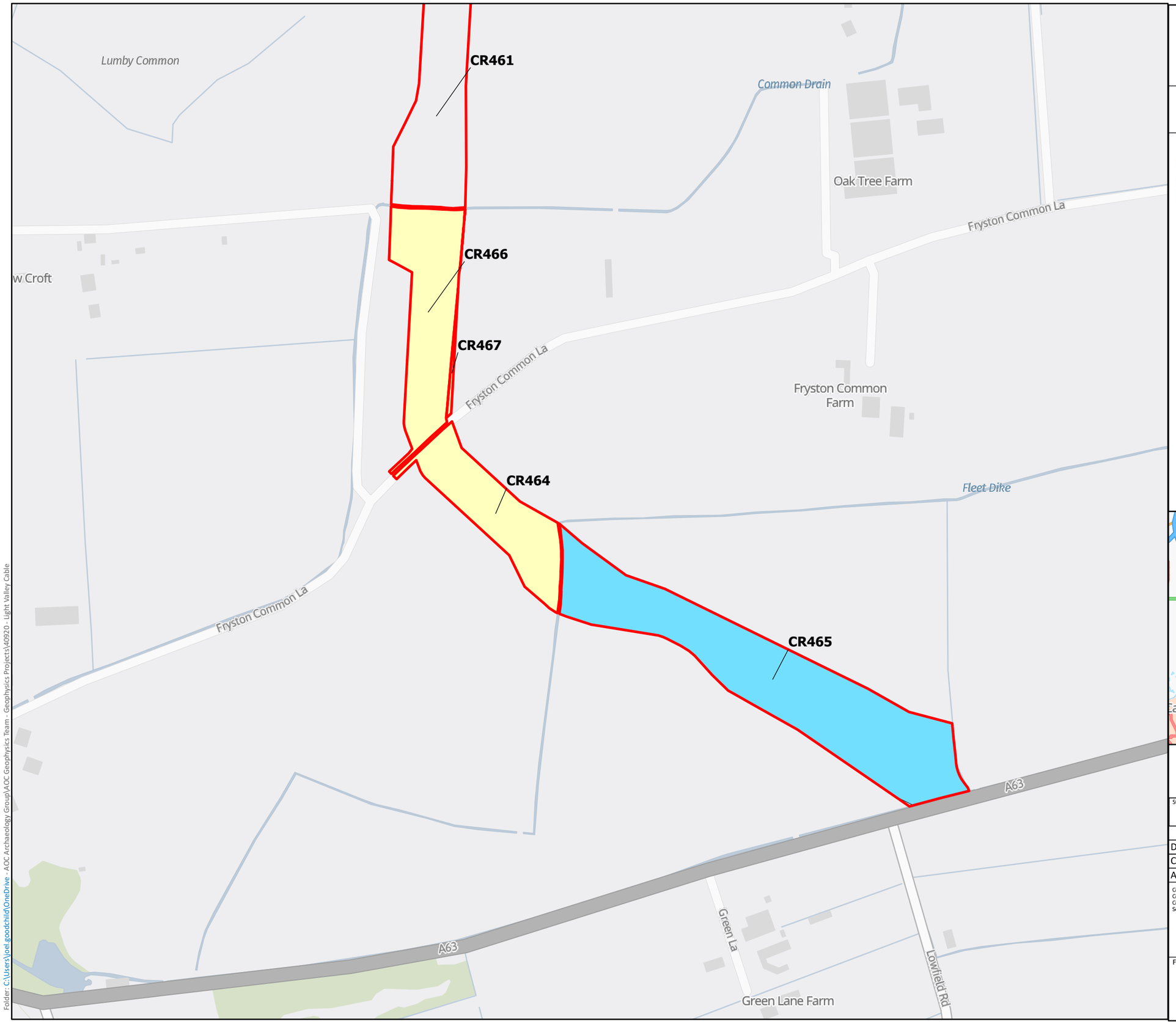
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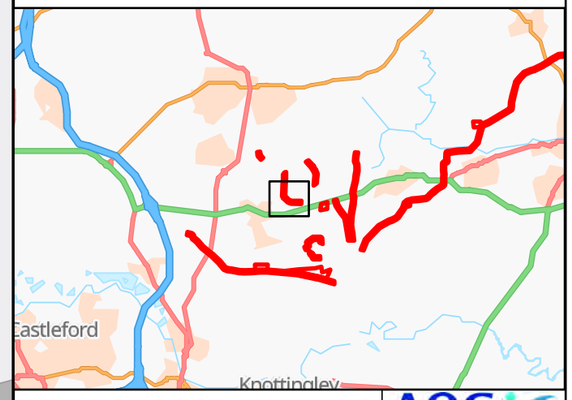
LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 2.4	Location of Survey Areas

Legend

- Light Valley Cable Route
- Bartington Cart
- Bartington 601-2





0 200 m

N

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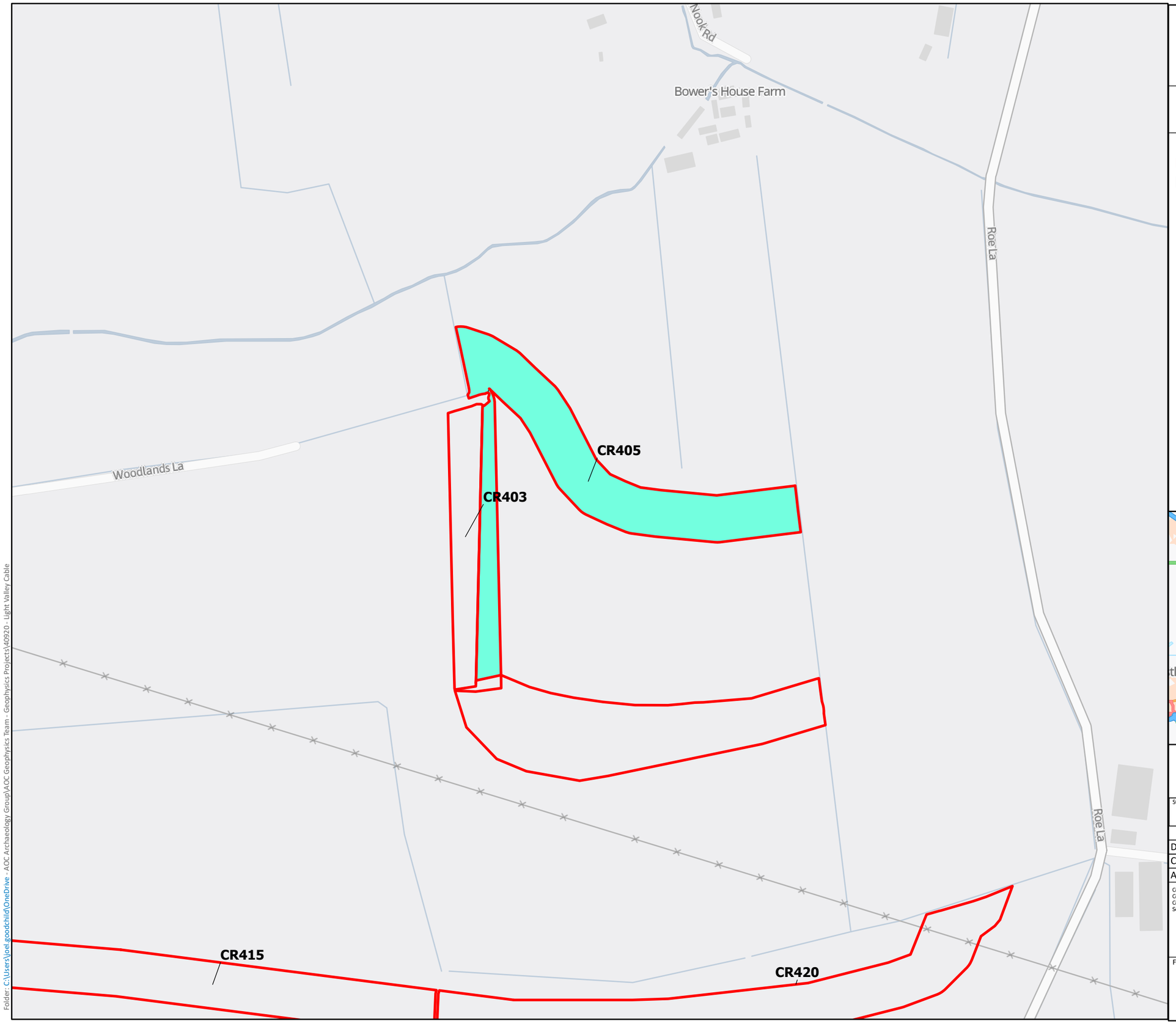
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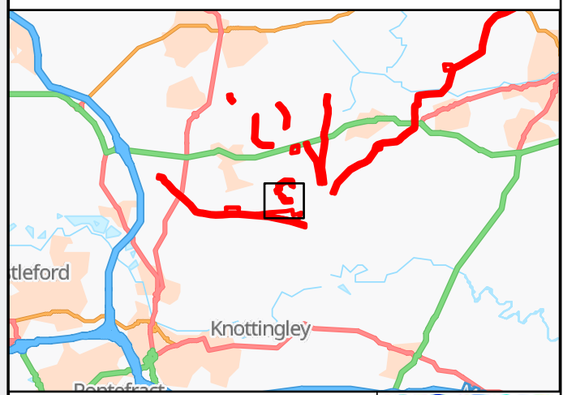
LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 2.5	Location of Survey Areas

Legend

- Light Valley Cable Route
- Sensys Cart





0 200 m N

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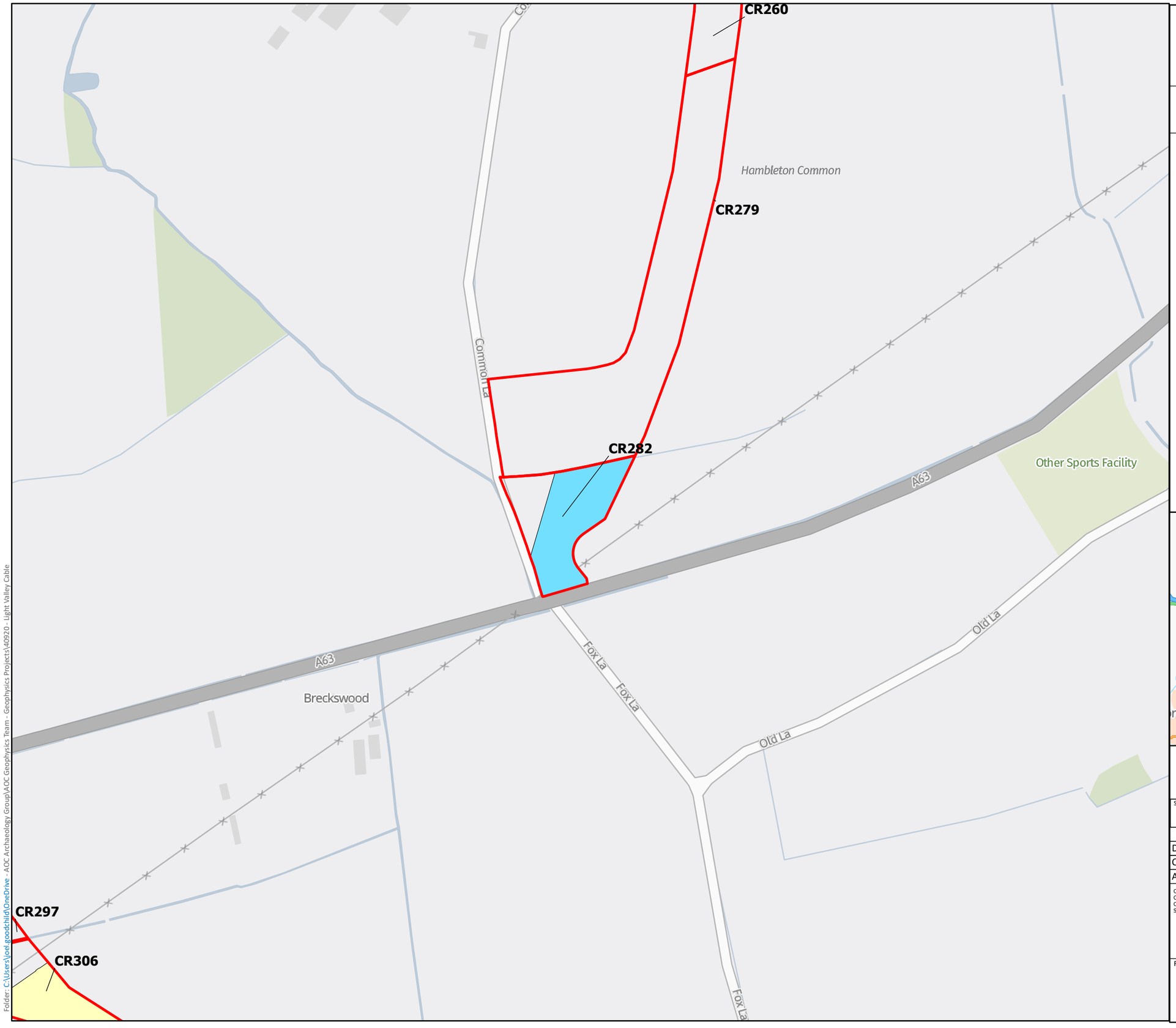
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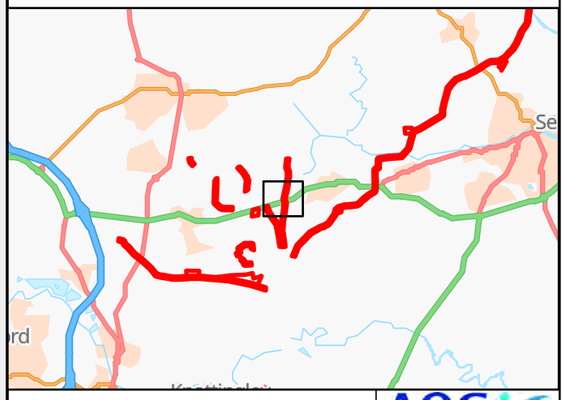
Figure 2.6

Location of Survey Areas



Legend

- Light Valley Cable Route
- Bartington Cart
- Bartington 601-2



0 200 m

N

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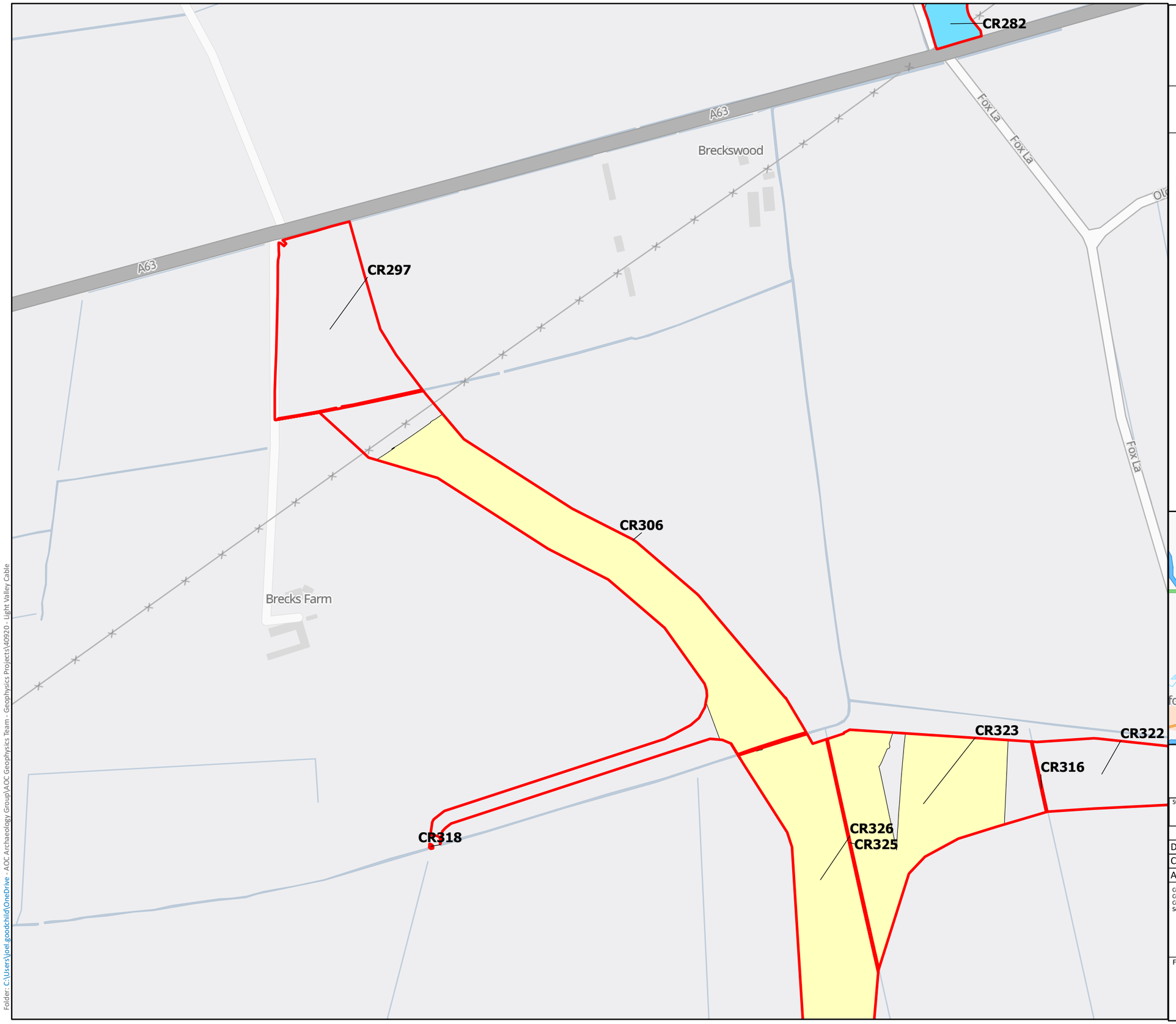
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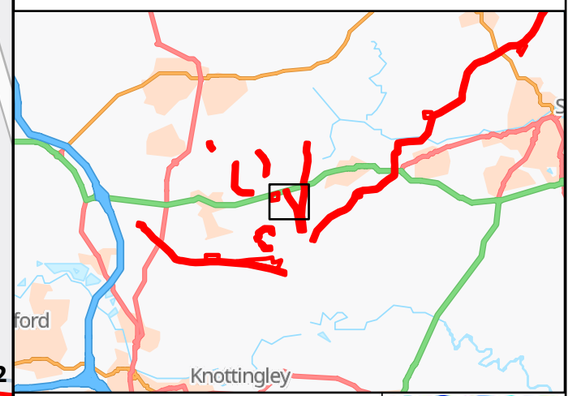
Figure 2.7

Location of Survey Areas

Legend

- Light Valley Cable Route
- Bartington Cart
- Bartington 601-2





0 200 m N

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Figure 2.8

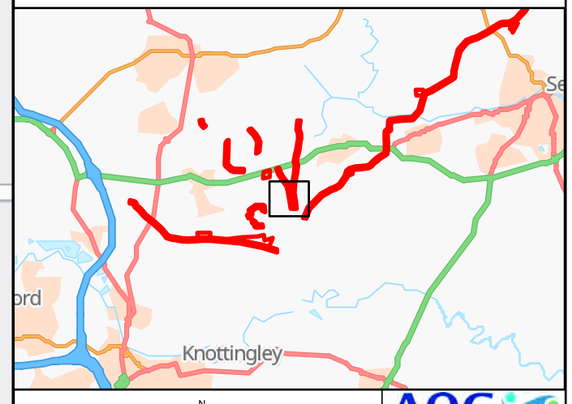
Location of Survey Areas

Legend

- Light Valley Cable Route
- Sensys Cart
- Bartington Cart

CR306
CR323
CR322
CR324
CR316
CR325
CR318
CR326
CR336 CR345
CR338

Brecks Farm
Sandkim Farm
Maspin Grange Farm
Hillam Common La
Hillam Common La
Fox La
Roe La
Maspin Moor



0 N 200 m

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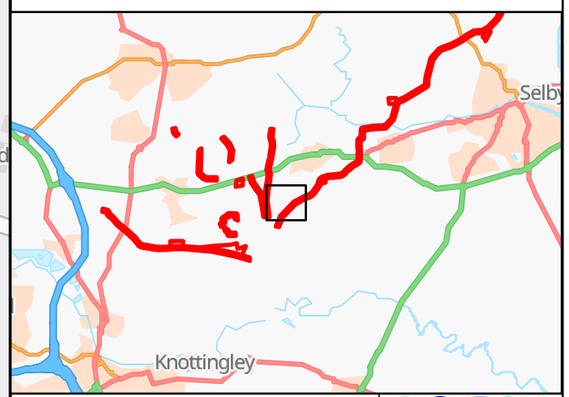
Figure 2.9

Location of Survey Areas

Legend

- Light Valley Cable Route
- Sensys Cart
- Bartington Cart

CR319
CR323
CR322
CR316
CR324
CR317
CR344
Fox La
Fox La
Maspin Grange Farm
Hillam Common La
Hillam Rd
Hillam Rd
Hagg House
Whiteland
Selby
Knottingley



0 N 200 m

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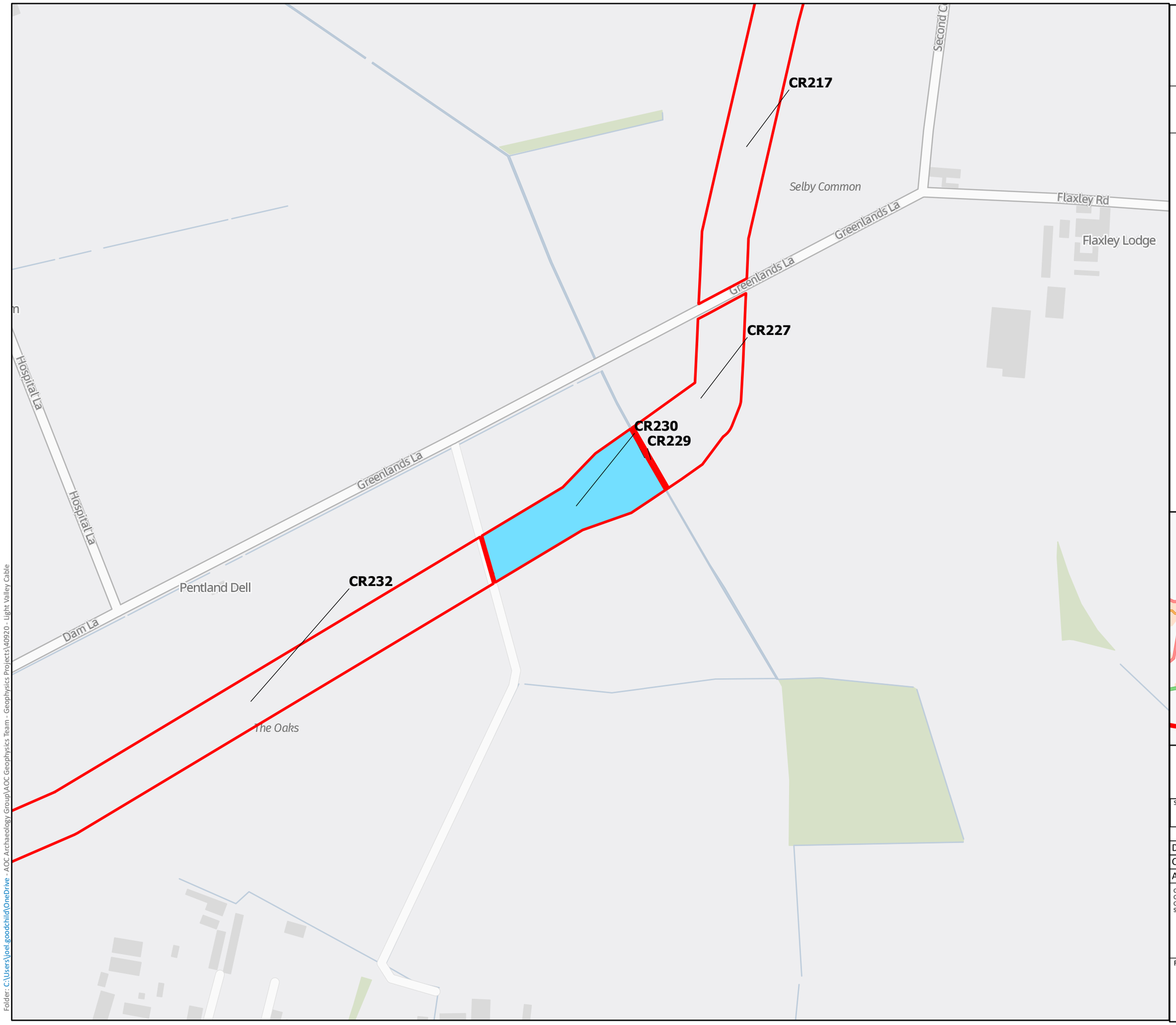
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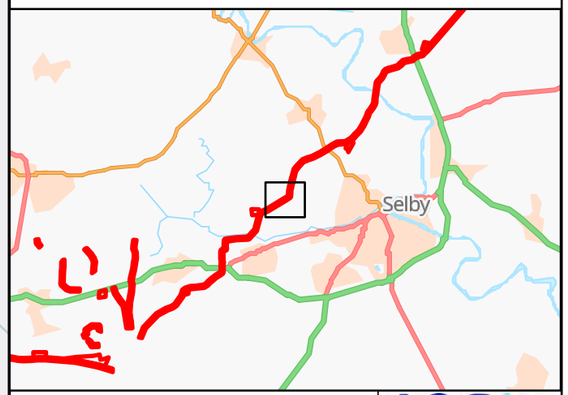
Figure 2.10

Location of Survey Areas



Legend

- Light Valley Cable Route
- Bartington 601-2



0 200 m N

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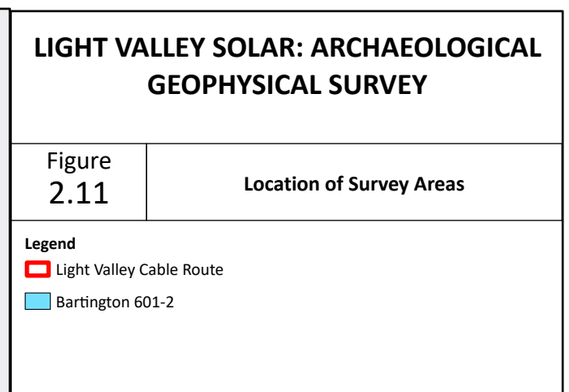
LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 2.11

Location of Survey Areas

Legend

- Light Valley Cable Route
- Bartington 601-2



0 200 m

N

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Datum: OSGB 1936

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Figure 2.12

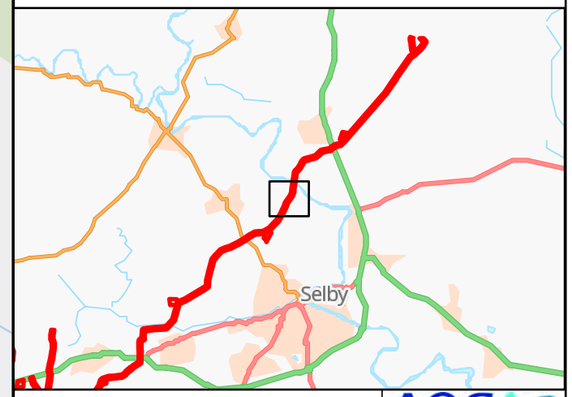
Location of Survey Areas

Legend

- Light Valley Cable Route
- Bartington Cart

CR133
CR126
CR142
CR130
CR129
CR135
CR140
CR137
CR143
CR145
CR146
CR152
CR157
CR164

Lordship La
Mulberry Farm
Lordship La
Carman Carr La



0 200 m N

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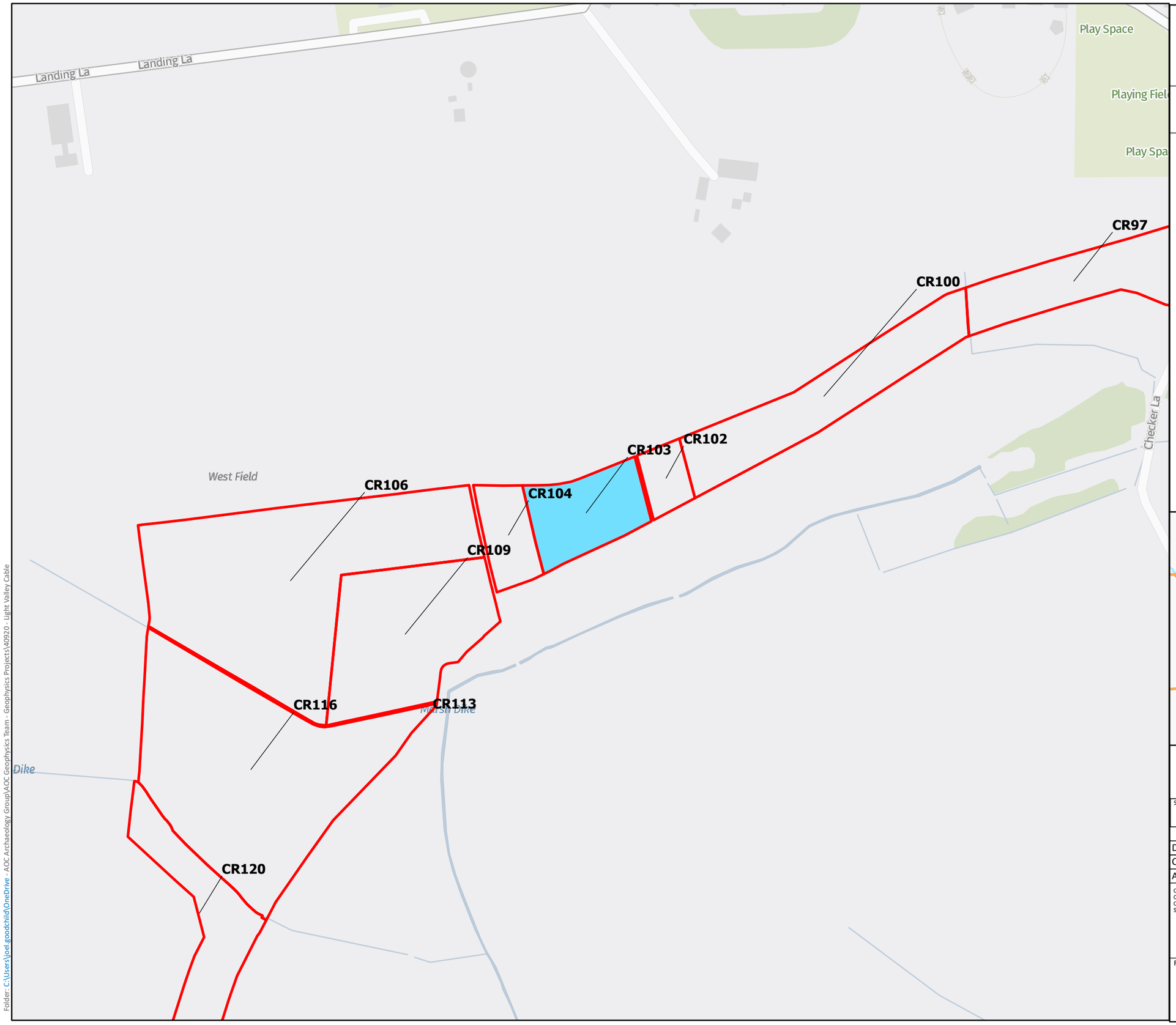
LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

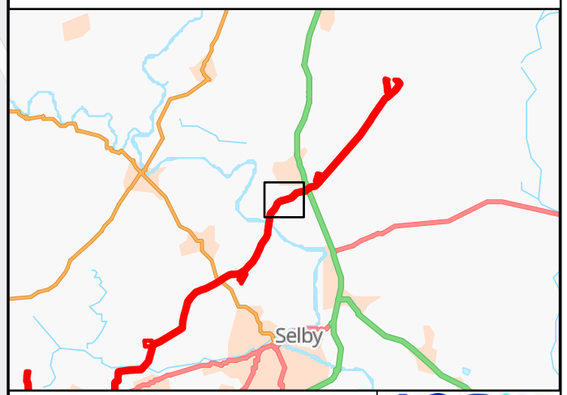
Figure 2.13

Location of Survey Areas

Legend

- Light Valley Cable Route
- Bartington 601-2





0 N 200 m

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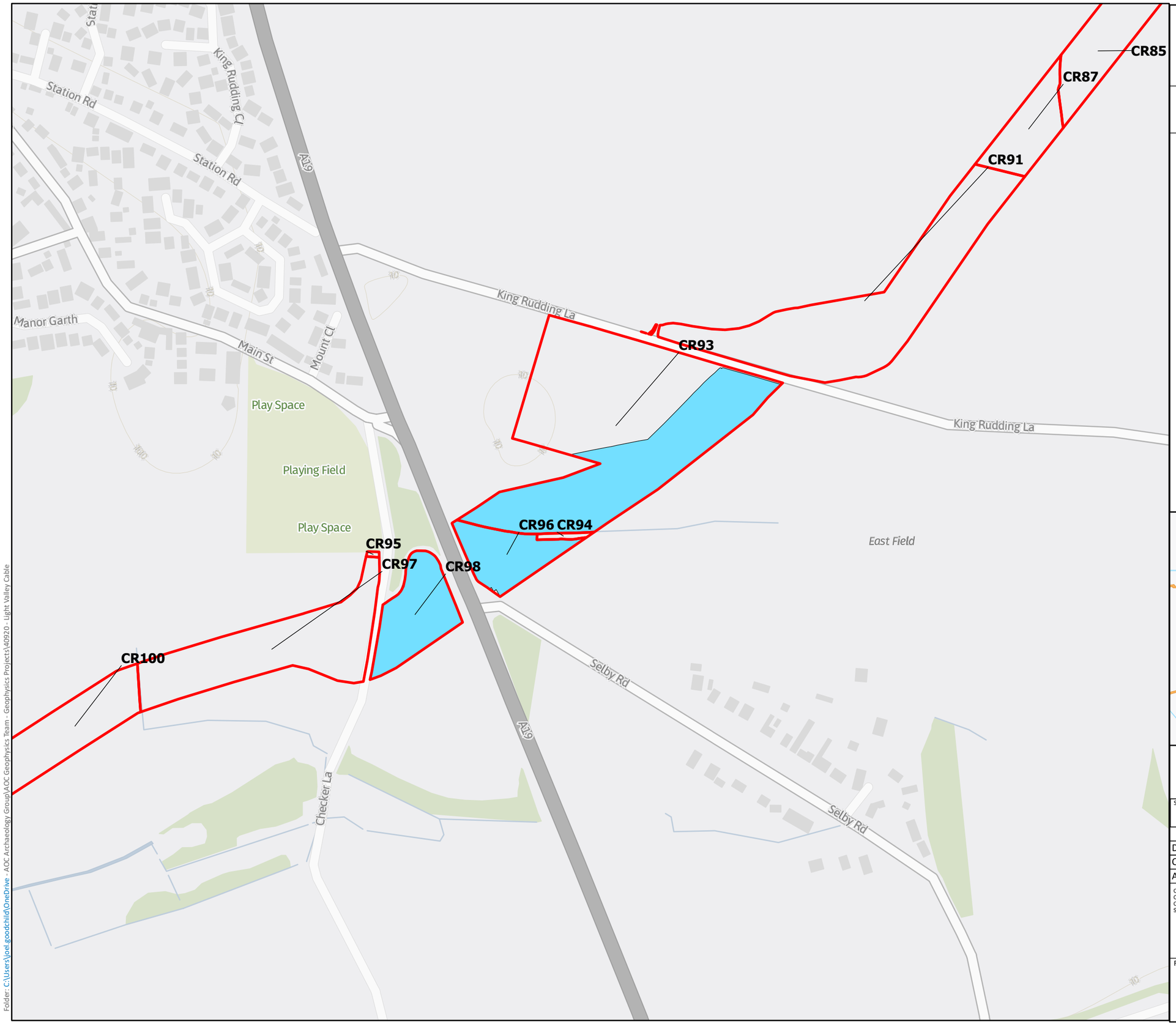
LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

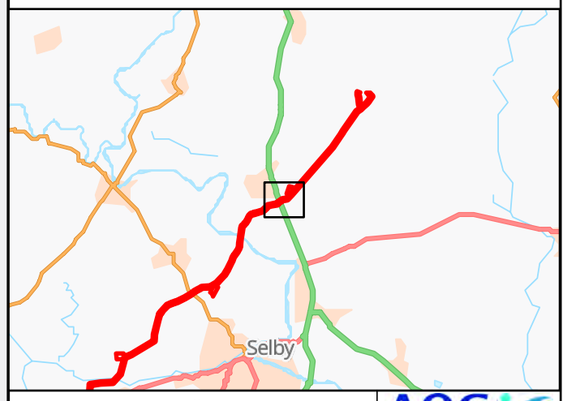
Figure 2.14

Location of Survey Areas

Legend

- Light Valley Cable Route
- Bartington 601-2





0 200 m

N

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:4,000

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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Approved by:	CS	Date:	12/01/2026 15:21	AOC Project No:	40920

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

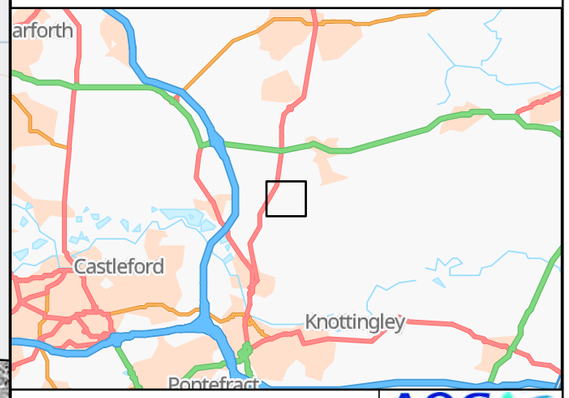
Figure 3.1	Summary Greyscale Images

Legend

- Light Valley Cable Route
- Surveyed
- Unsuitable

2nT

-1nT



0 N 200 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:4,000

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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Approved by:	CS	Date:	21/01/2026 18:40	AOC Project No:	40920

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 3.2

Summary Greyscale Images

Legend

- Light Valley Cable Route
- Surveyed
- Unsuitable

2nT

-1nT

CR399

CR413

CR414

CR416

CR412

CR418

Fairfield La

Bywater Wood

Burton Common La

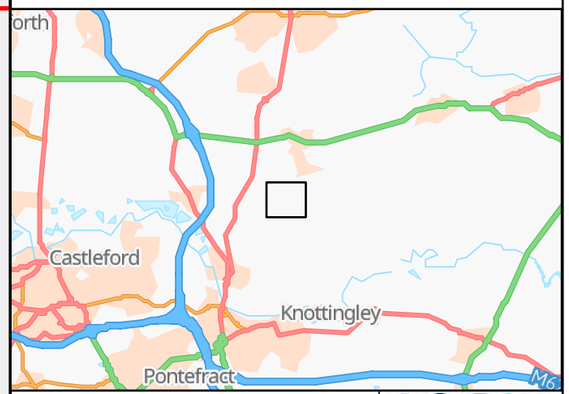
Playing Field

Burton Common

Top Stone Drain

Anthony's

Fairfield La



0 N 200 m

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:4,000

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

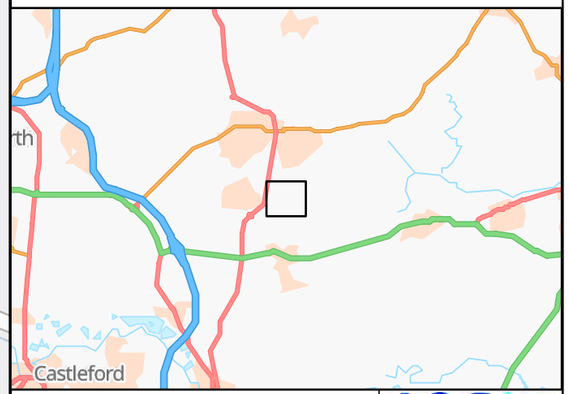
Figure 3.3	Summary Greyscale Images

Legend

Light Valley Cable Route

2nT

-1nT



0 200 m

N

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System: Coordinate System: British National Grid Projection: Transverse Mercator Datum: OSGB 1936	Scale: 1:4,000 Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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Approved by:	**CS**	Date:	**21/01/2026 18:40**	AOC Project No:	**40920**

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 3.4

Summary Greyscale Images

Legend

- Light Valley Cable Route
- Unsuitable

2nT

-1nT

CR461
CR466
CR467
CR464
CR465

Lumby Common
Common Drain
Oak Tree Farm
Fryston Common La
w Croft
Fryston Common Farm
Fleet Dike
A63
Green La
Lowfield Rd
Green Lane Farm
Castleford
Knottingley

0 200 m N

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:4,000

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 3.5

Summary Greyscale Images

Bower's House Farm

Nook Rd

Roe La

Woodlands La

CR405

CR403

CR415

CR420

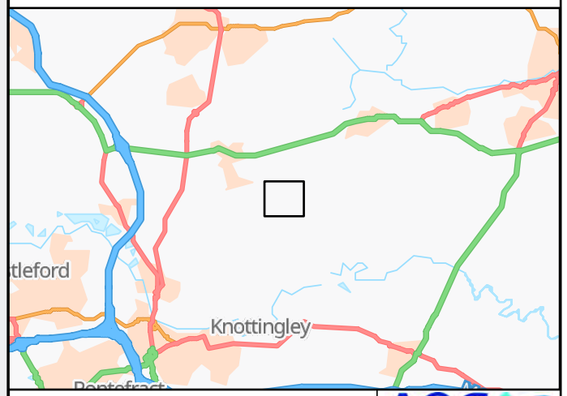
Legend

Light Valley Cable Route

Unsuitable

2nT

-1nT



0 200 m

N

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:4,000

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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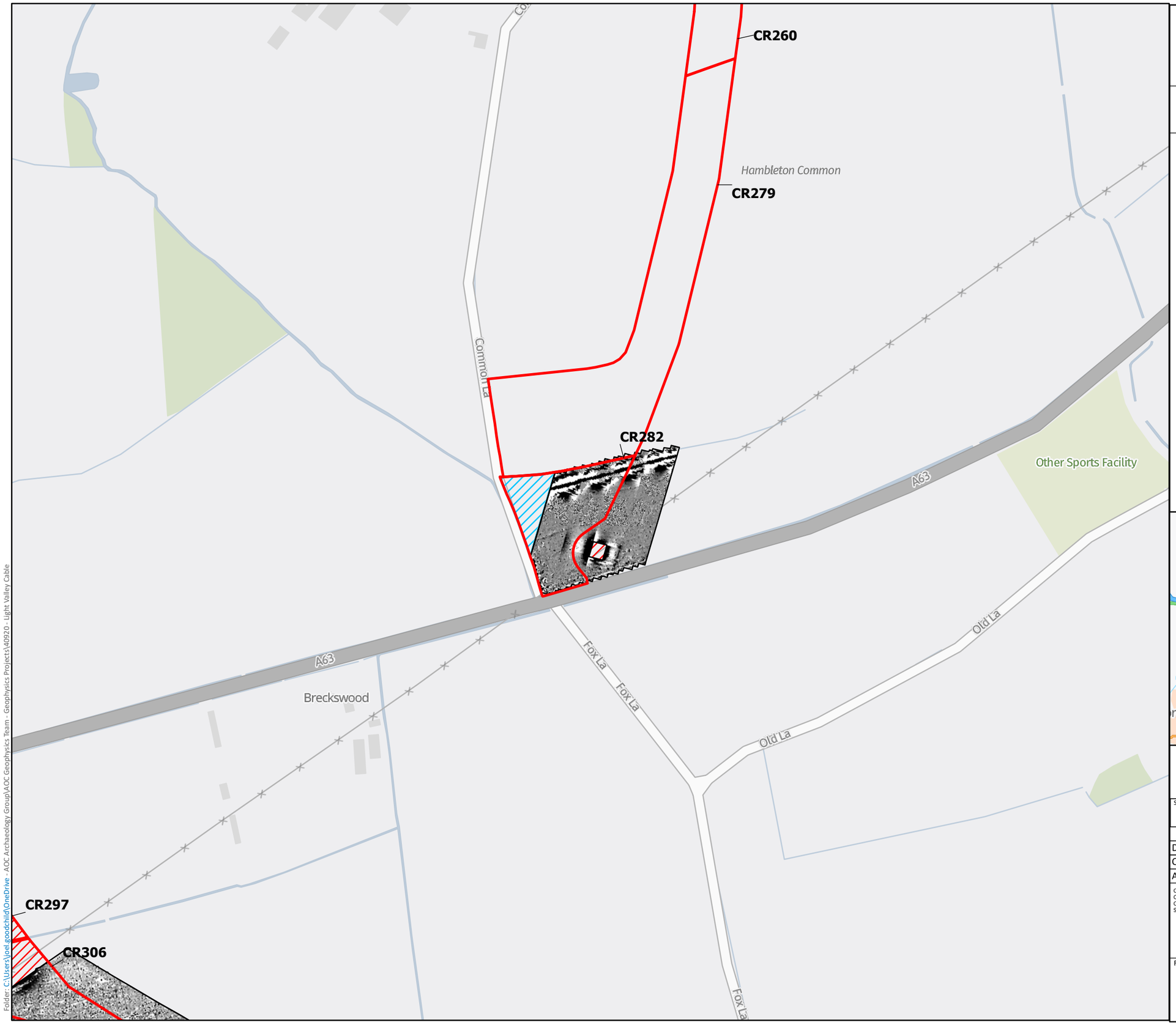
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 3.6

Summary Greyscale Images

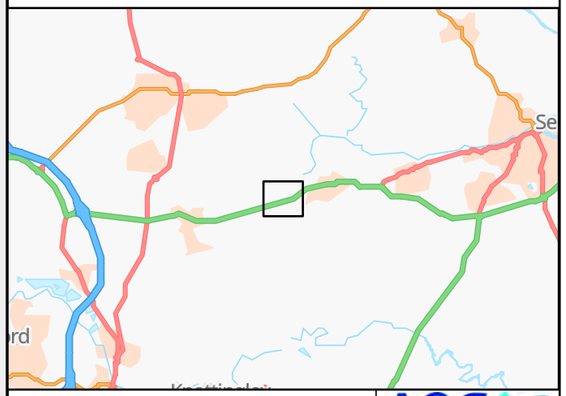


Legend

- Light Valley Cable Route
- Outstanding
- Unsuitable

2nT

-1nT



0 200 m

N

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:4,000

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 3.7

Summary Greyscale Images

Legend

- Light Valley Cable Route
- Outstanding
- Unsuitable

2nT

-1nT

CR282

CR297

CR306

CR318

CR322

CR323

CR325

CR326

CR316

A63

Brecks Farm

Brecks Farm

Fox La

Fox La

Fox La

Knottingley

0 200 m

N

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:4,000

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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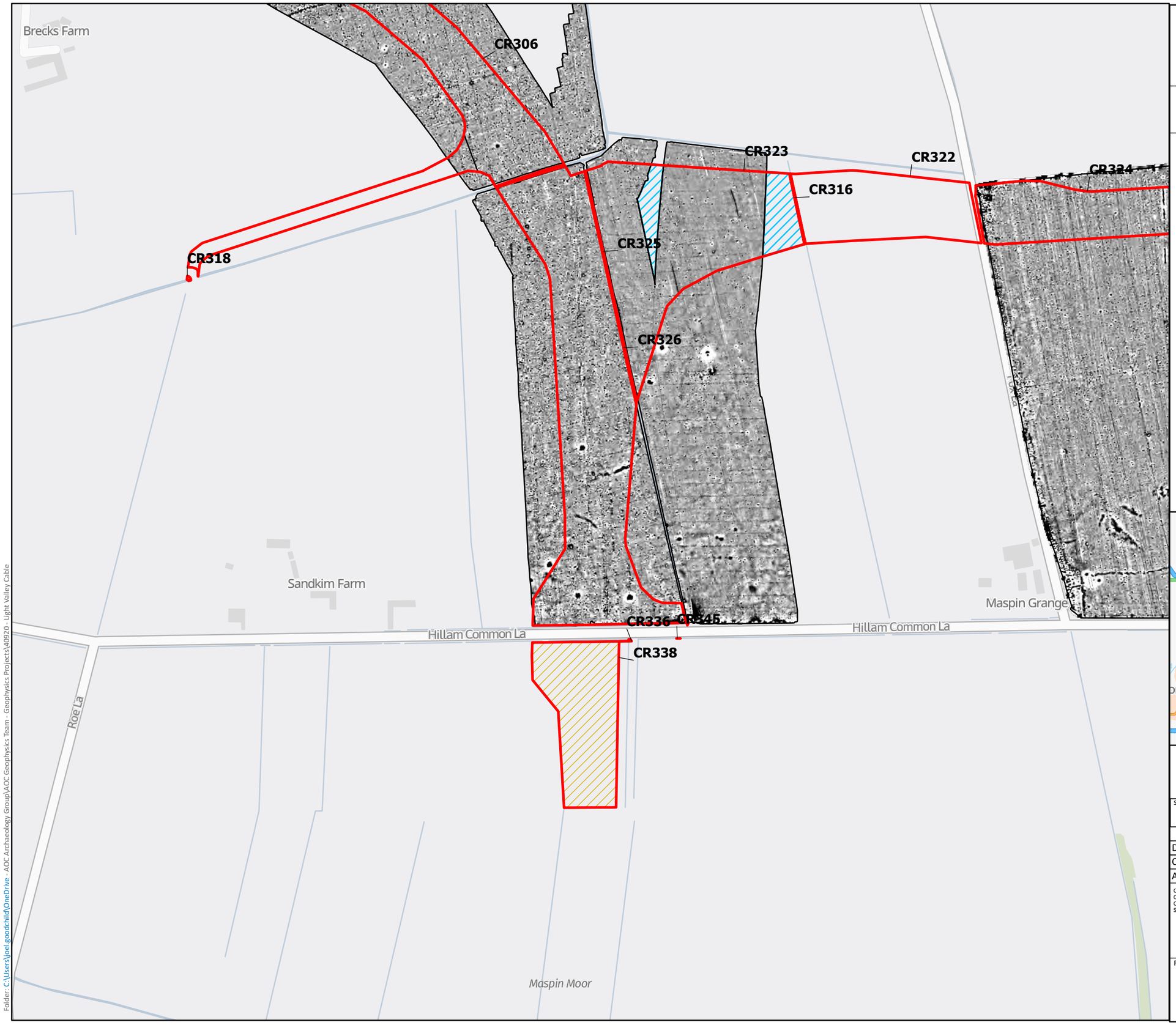
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 3.8

Summary Greyscale Images

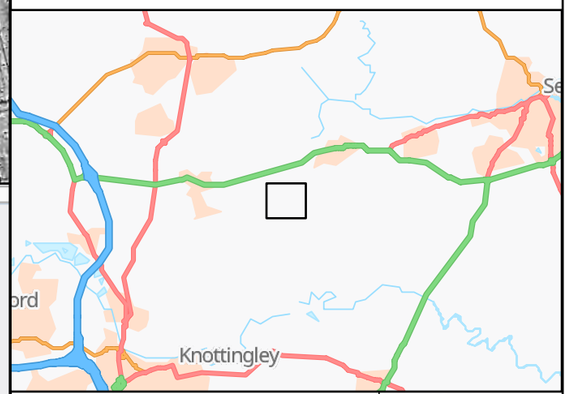


Legend

- Light Valley Cable Route
- No Access
- Outstanding

2nT

-1nT



0 N 200 m

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Scale:	1:4,000
Page Size:	@ A3

Drawing Number: 05/40920/GEO/P8/

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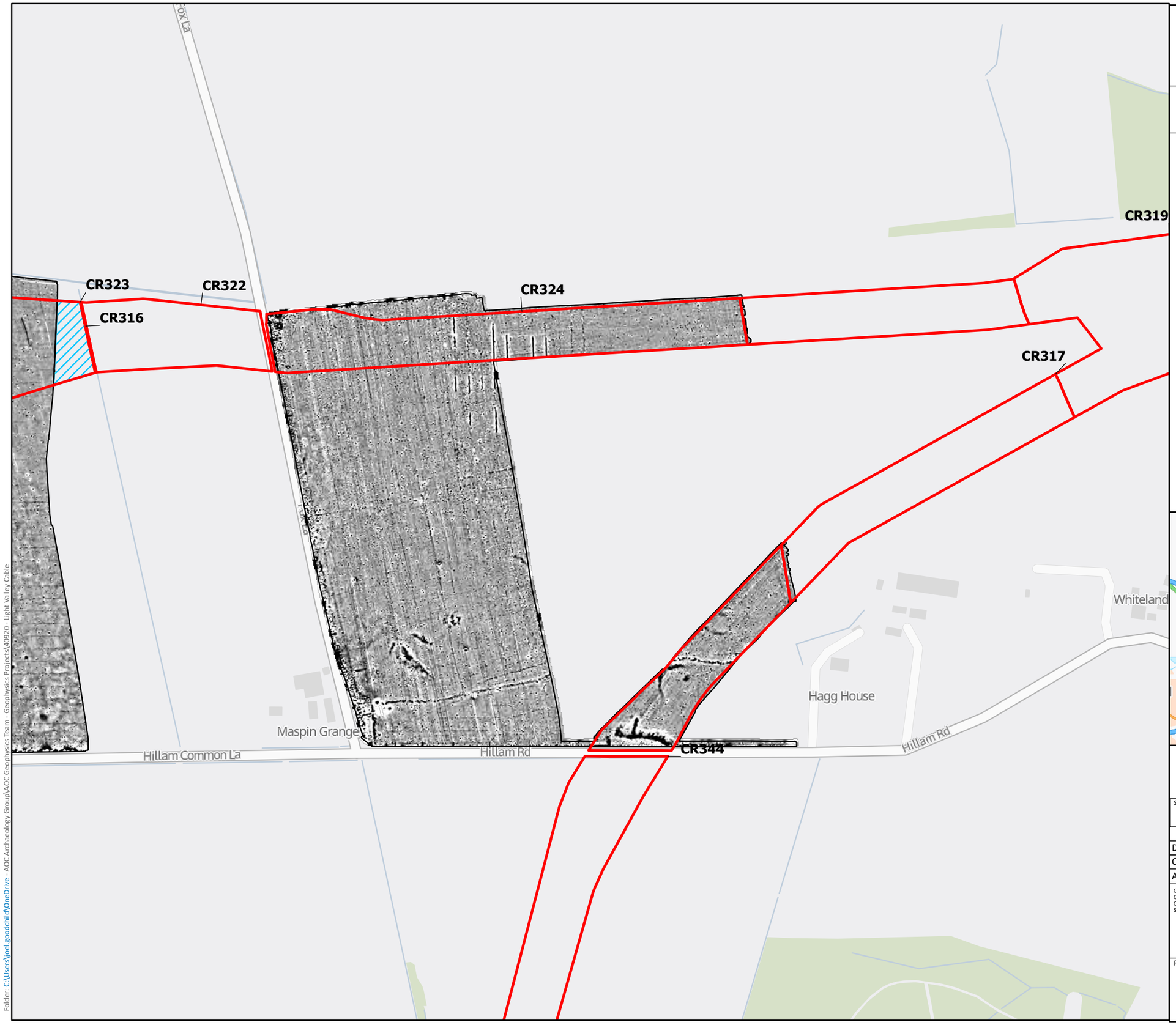
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 3.9

Summary Greyscale Images

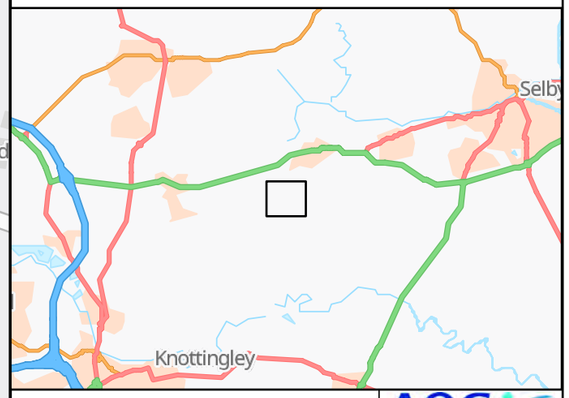


Legend

- Light Valley Cable Route
- Outstanding

2nT

-1nT



0 200 m

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System:	Coordinate System: British National Grid Projection: Transverse Mercator Datum: OSGB 1936
Scale:	1:4,000
Page Size:	@ A3

Drawing Number: 05/40920/GEO/P8/

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 3.10

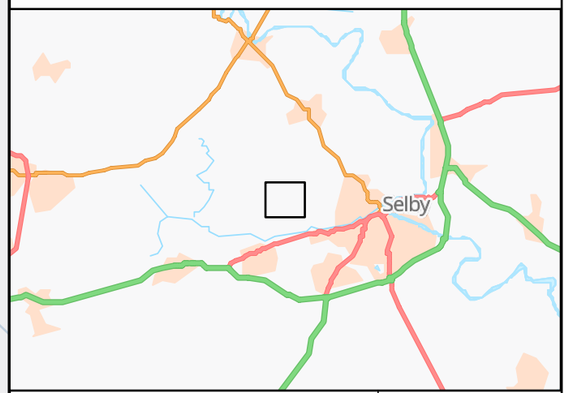
Summary Greyscale Images

Legend

Light Valley Cable Route

2nT

-1nT



0 200 m

N

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:4,000

Page Size: @ A3

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 3.11

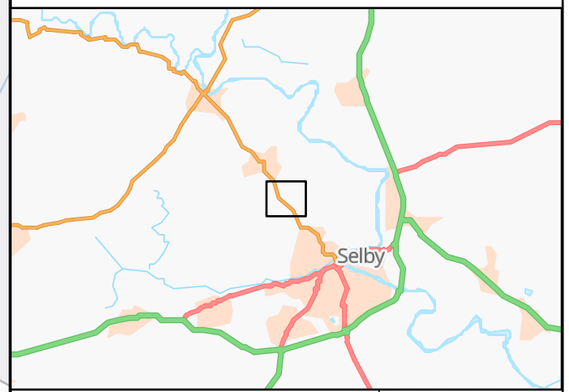
Summary Greyscale Images

Legend

Light Valley Cable Route

2nT

-1nT



0 N 200 m

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 3.12

Summary Greyscale Images

Legend

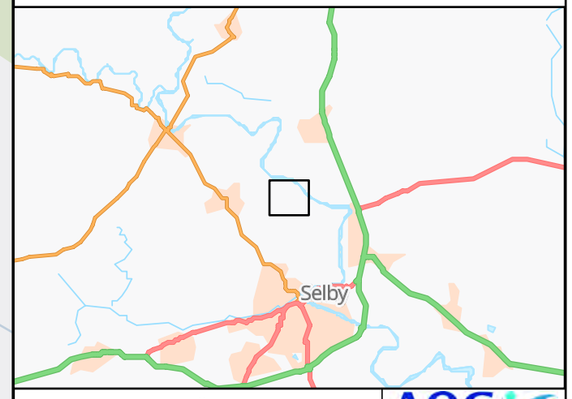
Light Valley Cable Route

2nT

-1nT

CR133
CR142
CR126
CR130
CR129
CR135
CR140
CR137
CR143
CR145
CR146
CR152
CR164
CR157

Lordship La
Mulberry Farm
Lordship La
Carman Carr La
Selby



0 200 m N

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:4,000

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 3.13

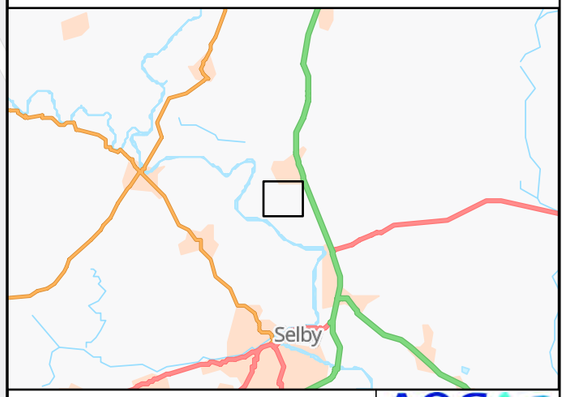
Summary Greyscale Images

Legend

Light Valley Cable Route

2nT

-1nT



0 N 200 m

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:4,000

Page Size: @ A3

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 3.14

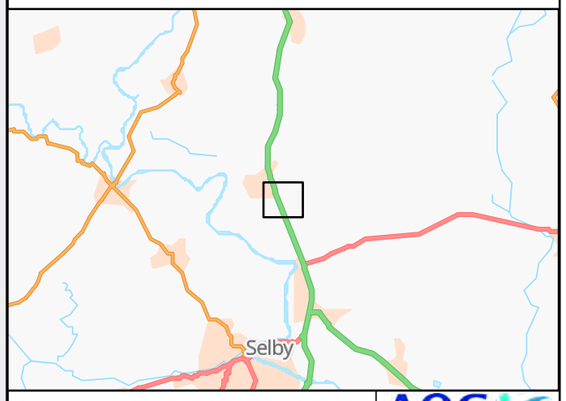
Summary Greyscale Images

Legend

- Light Valley Cable Route
- Outstanding
- Unsuitable

2nT

-1nT



0 N 200 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:4,000

Page Size: @ A3

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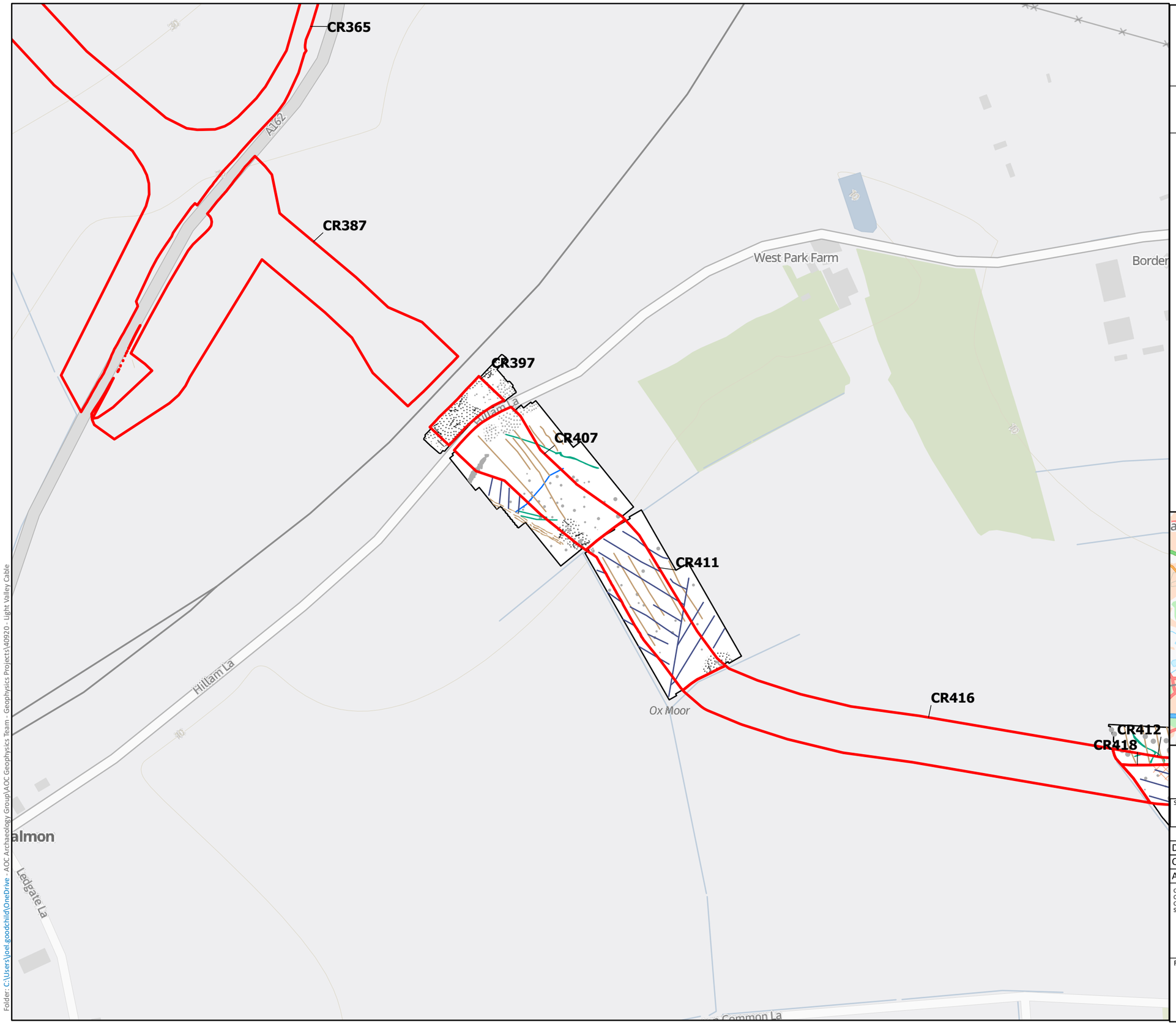
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

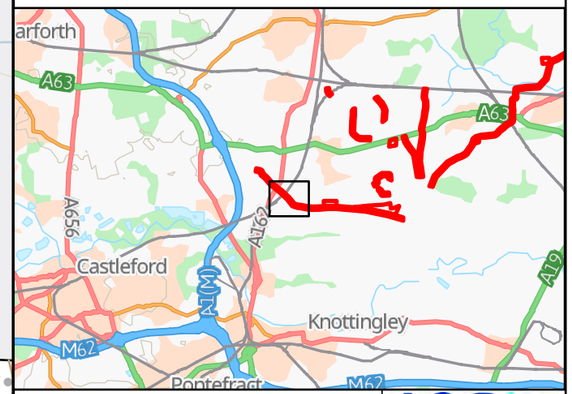
Figure 4.1

Summary Interpretation



Legend

- Light Valley Cable Route
- Ferrous Anomalies/Iron Spike
- Linear Trend (Historic Feature)
- Linear Trend (Unclear Origin)
- Linear Trend (Agricultural, Ridge and Furrow)
- Linear Trend (Drainage)
- Anomaly (Unclear Origin)
- Anomaly (Agricultural)
- Spread (Geology/Natural)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Spread (Ferrous/Iron Spike)
- Survey Outline
- Surveyed
- Unsuitable



0 200 m N

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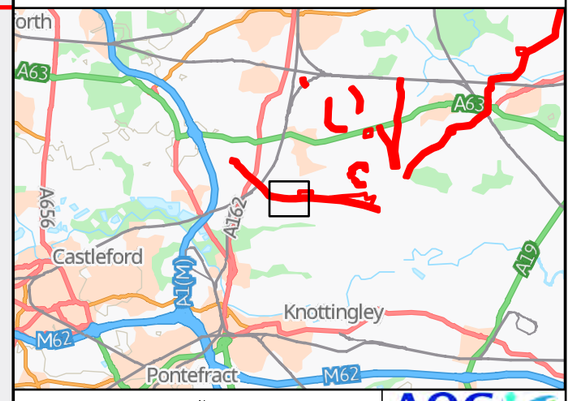
Figure 4.2

Summary Interpretation

Legend

- Light Valley Cable Route
- Ferrous Anomalies/Iron Spike
- Linear Trend (Possible Archaeology)
- Linear Trend (Agricultural, Ploughing)
- Linear Trend (Agricultural, Ridge and Furrow)
- Linear Trend (Drainage)
- Anomaly (Probable Archaeology)
- Anomaly (Possible Archaeology)
- Anomaly (Unclear Origin)
- Anomaly (Agricultural)
- Anomaly (Geology/Natural)
- Spread (Geology/Natural)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Survey Outline
- Surveyed
- Unsuitable

CR399
CR413
CR414
CR416
CR412
CR418
Fairfield La
Bywater Wood
Burton Common La
Playing Field
Burton Common
Top Stone Drain
Anthony's



0 200 m

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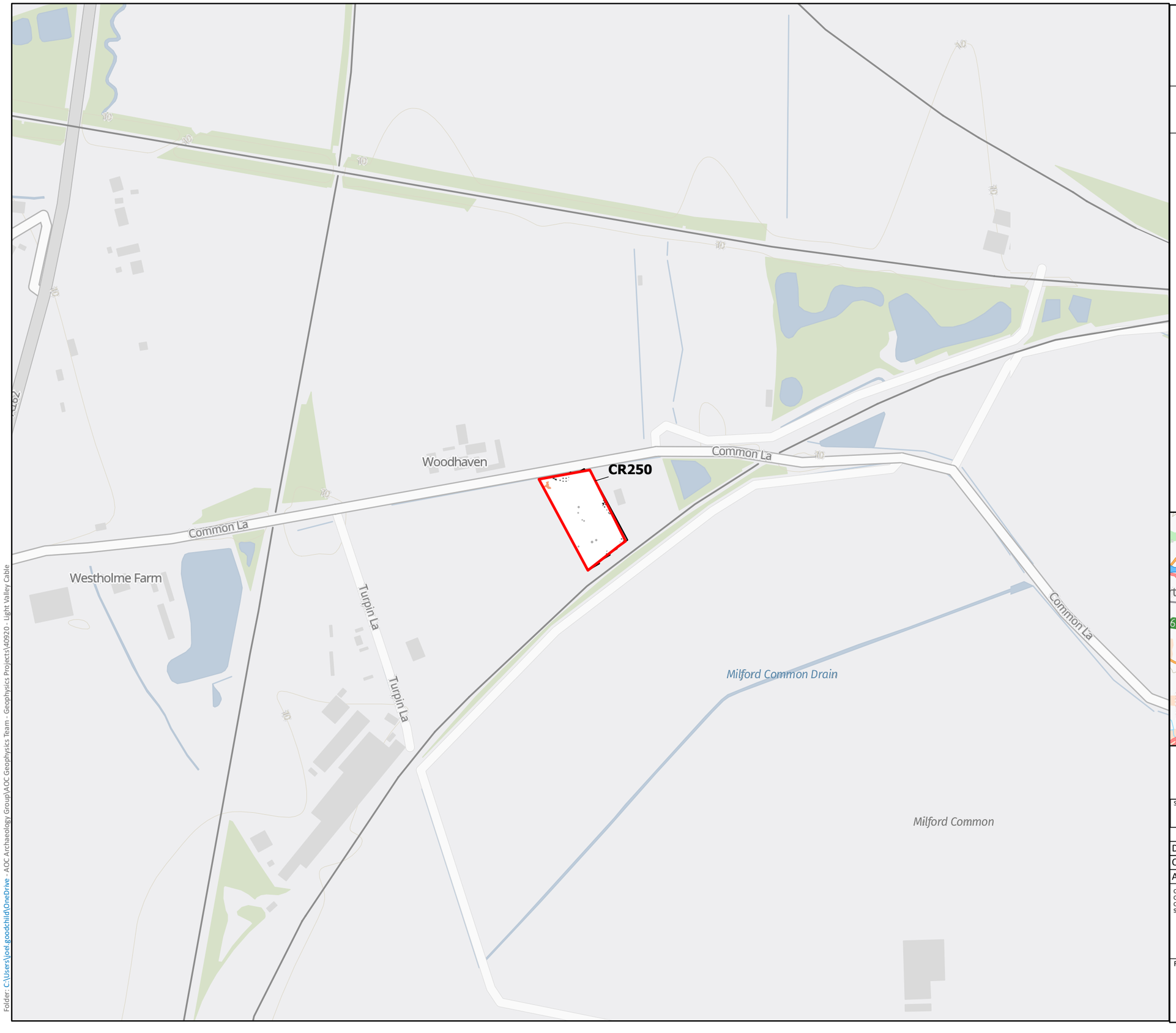
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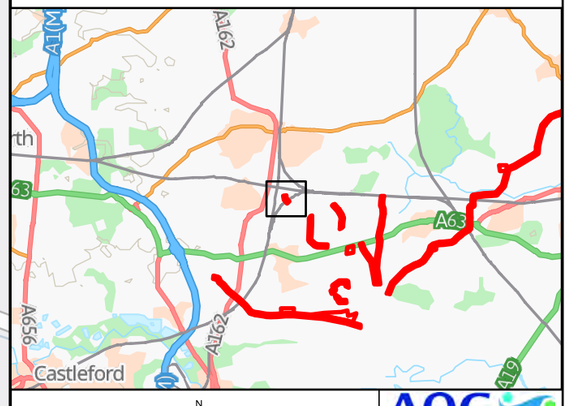
Figure 4.3

Summary Interpretation

Legend

- Light Valley Cable Route
- Anomaly (Geology/Natural)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Survey Outline





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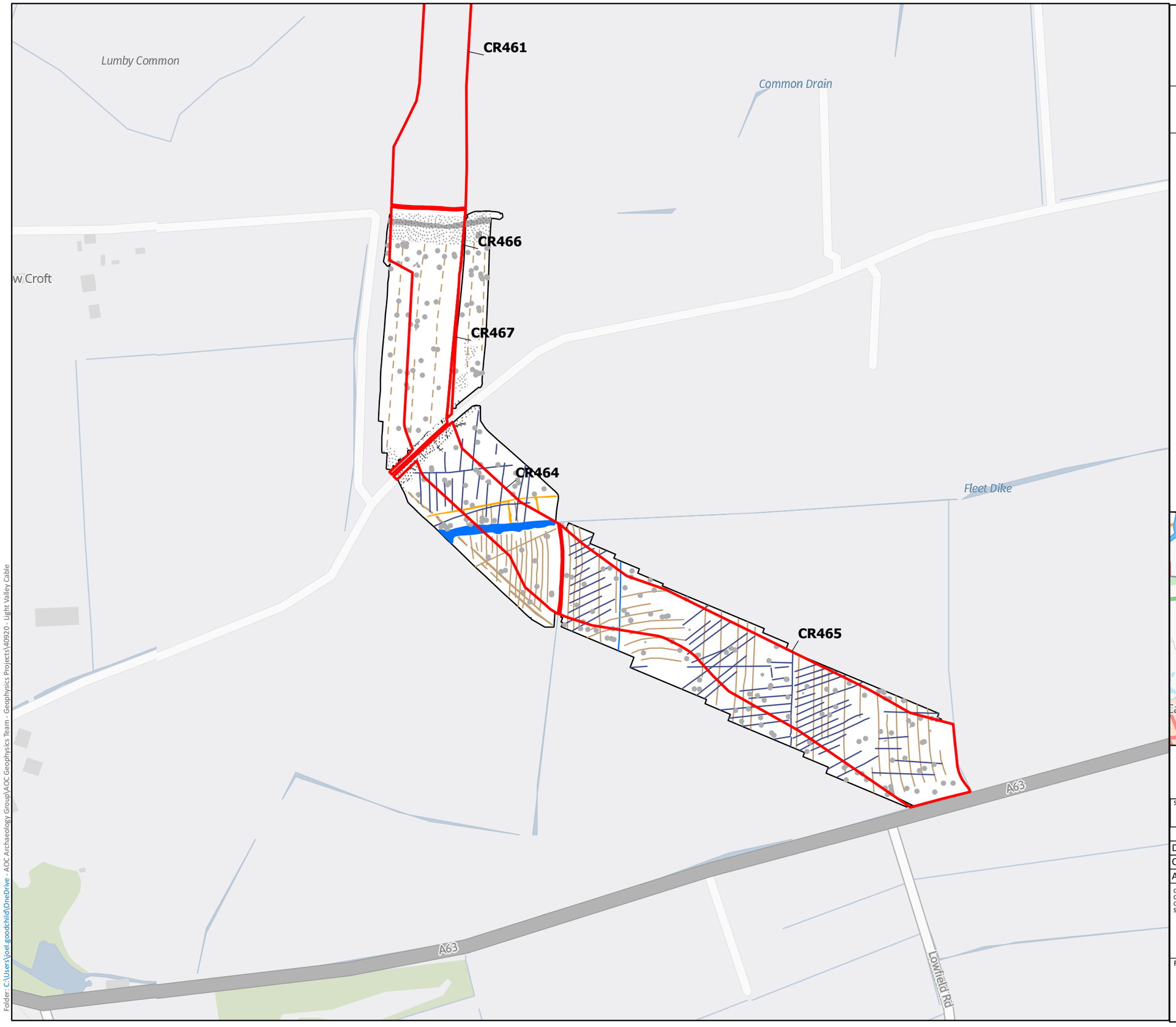
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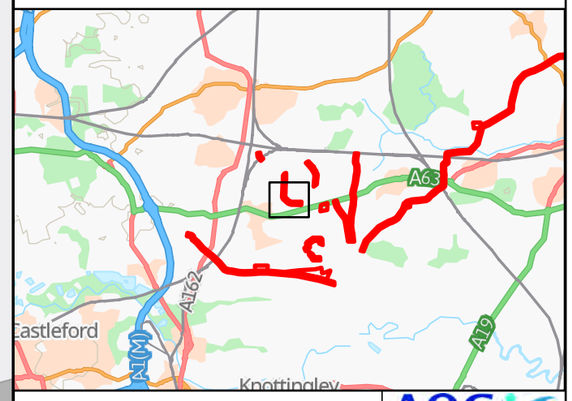
Figure 4.4

Summary Interpretation



Legend

- Light Valley Cable Route
- Ferrous Anomalies/Iron Spike
- Linear Trend (Historic Feature)
- Linear Trend (Agricultural, Ploughing)
- Linear Trend (Agricultural, Ridge and Furrow)
- Linear Trend (Drainage)
- Anomaly (Possible Archaeology)
- Anomaly (Historic Feature)
- Anomaly (Agricultural)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Spread (Ferrous/Iron Spike)
- Survey Outline
- Unsuitable



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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 4.5

Summary Interpretation

Legend

- Light Valley Cable Route
- Ferrous Anomalies/Iron Spike
- Linear Trend (Agricultural, Ploughing)
- Linear Trend (Drainage)
- Anomaly (Possible Archaeology)
- Anomaly (Historic Feature)
- Spread (Geology/Natural)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Spread (Ferrous/Iron Spike)
- Survey Outline
- Unsuitable

CR405

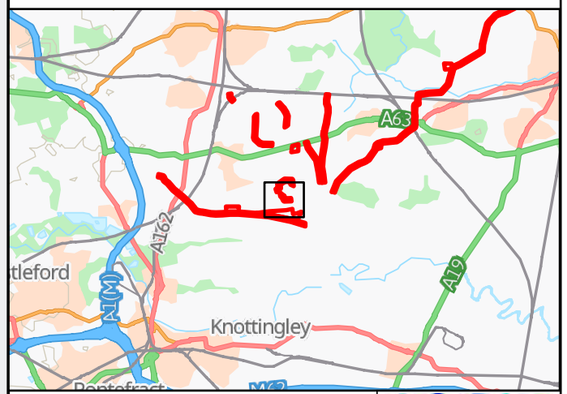
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CR415

CR420

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Roe La



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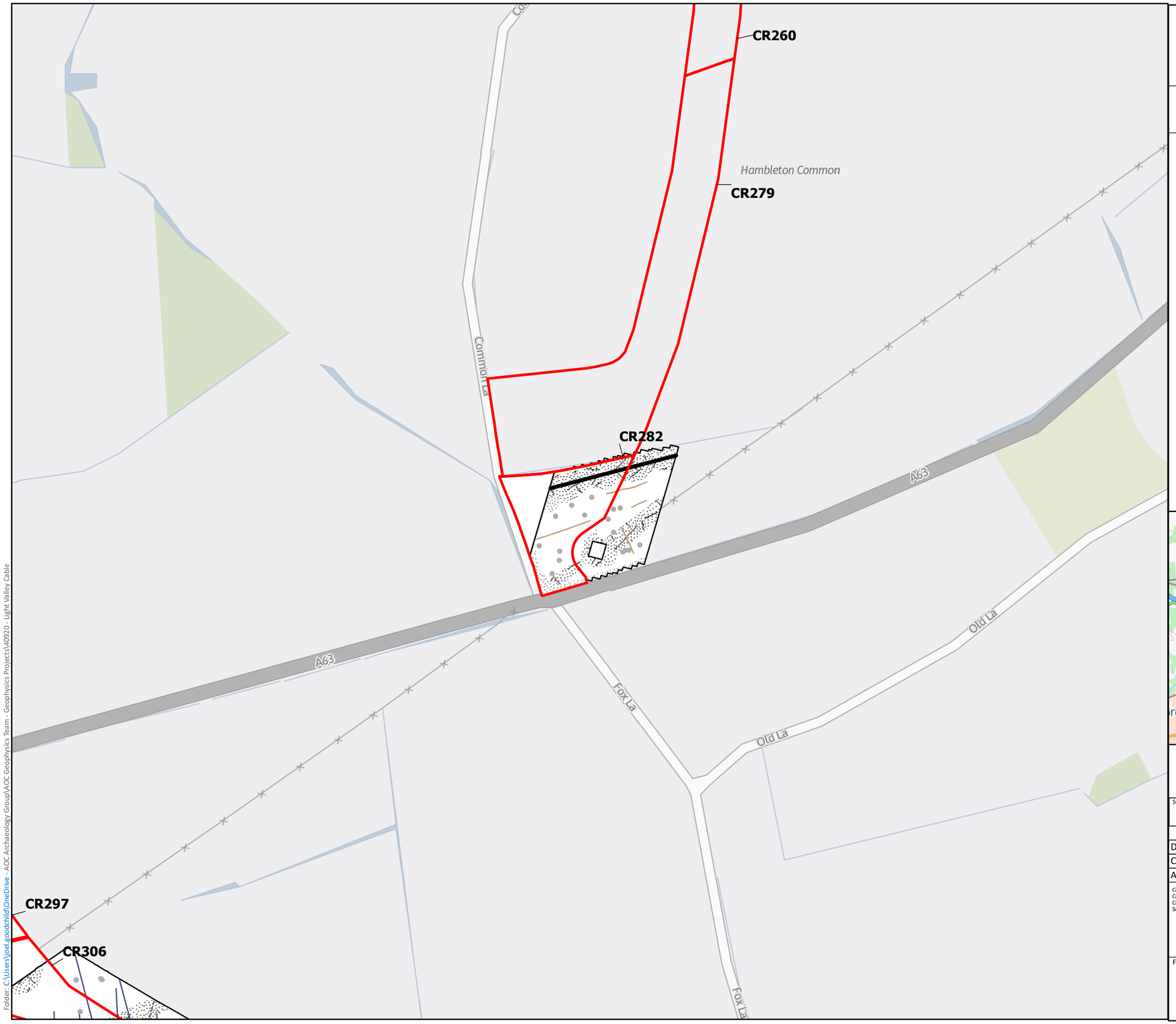
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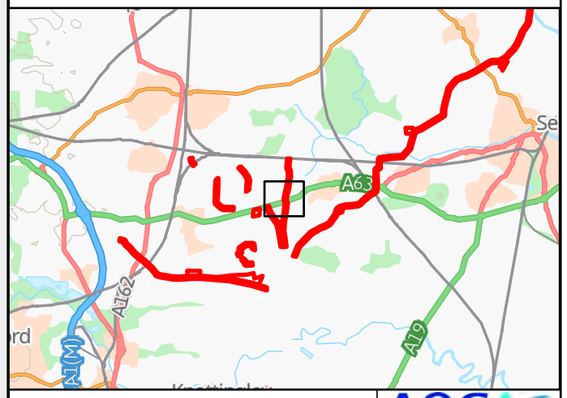
Figure 4.6

Summary Interpretation



Legend

- Light Valley Cable Route
- Ferrous Anomalies/Iron Spike
- Linear Trend (Agricultural, Ridge and Furrow)
- Linear Trend (Drainage)
- Linear Trend (Service)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Spread (Ferrous/Iron Spike)
- Survey Outline
- Outstanding
- Unsuitable



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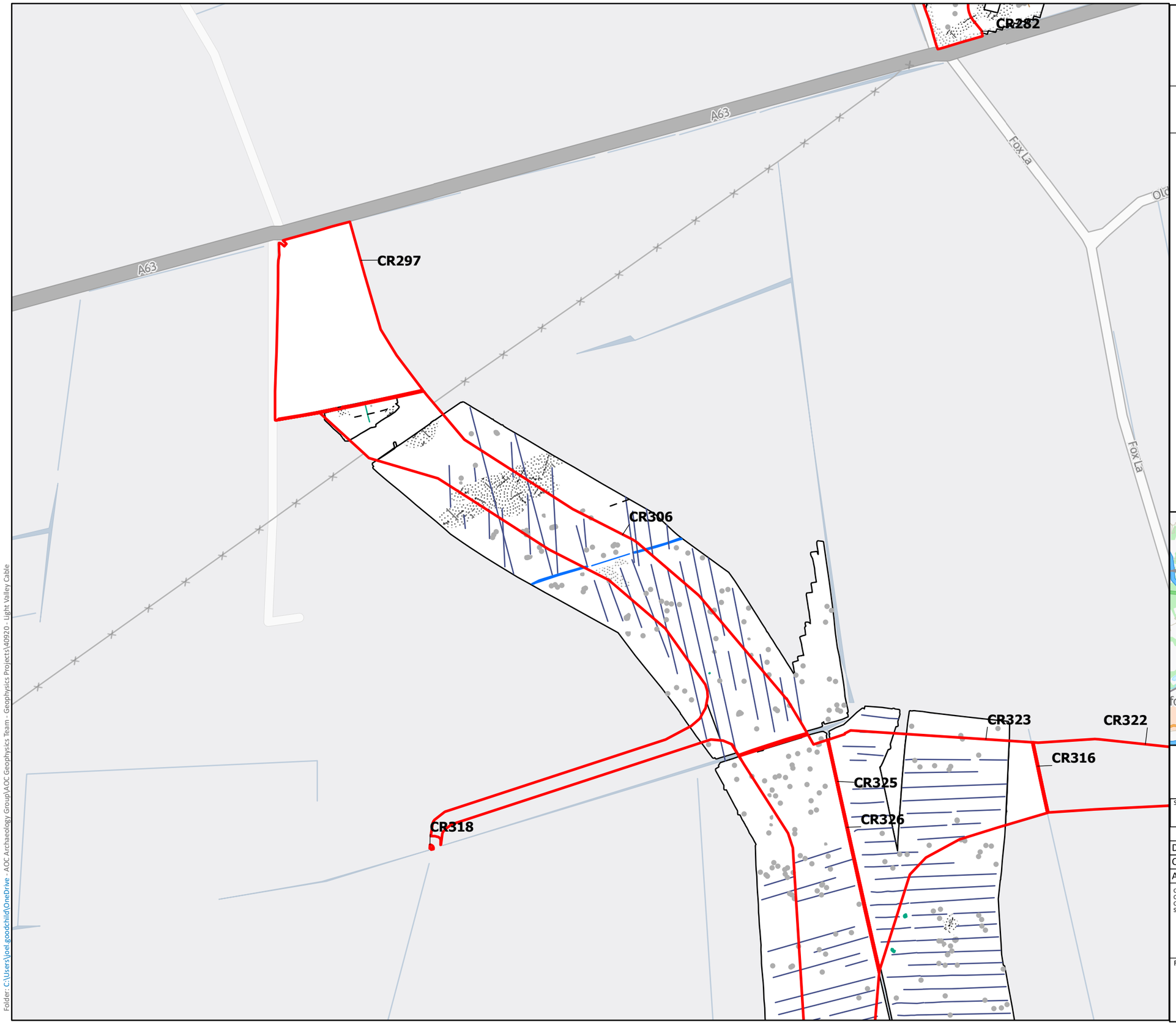
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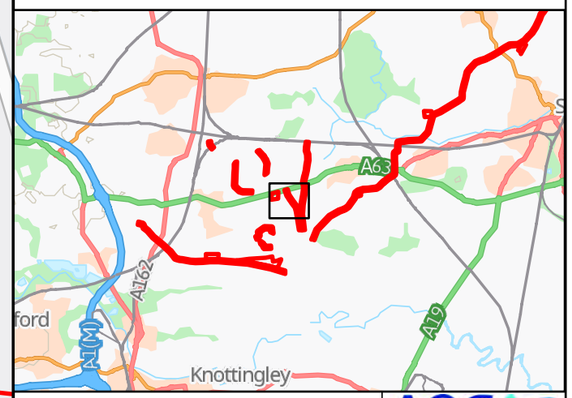
Figure 4.7

Summary Interpretation



Legend

- Light Valley Cable Route
- Ferrous Anomalies/Iron Spike
- Linear Trend (Historic Feature)
- Linear Trend (Unclear Origin)
- Linear Trend (Agricultural, Ridge and Furrow)
- Linear Trend (Drainage)
- Linear Trend (Magnetic Distrubance)
- Anomaly (Historic Feature)
- Anomaly (Unclear Origin)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Spread (Ferrous/Iron Spike)
- Survey Outline
- Outstanding
- Unsuitable



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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 4.8

Summary Interpretation

Legend

- Light Valley Cable Route
- Ferrous Anomalies/Iron Spike
- Linear Trend (Agricultural, Ploughing)
- Linear Trend (Drainage)
- Anomaly (Possible Archaeology)
- Anomaly (Historic Feature)
- Anomaly (Unclear Origin)
- Anomaly (Geology/Natural)
- Spread (Geology/Natural)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Spread (Ferrous/Iron Spike)
- Survey Outline
- No Access
- Outstanding

CR306
CR318
CR323
CR322
CR324
CR316
CR325
CR326
CR336
CR345
CR338
Hillam Common La
Roe La
Fox La
Maspin Moor
A63
A162
M62
A19
Knottingley

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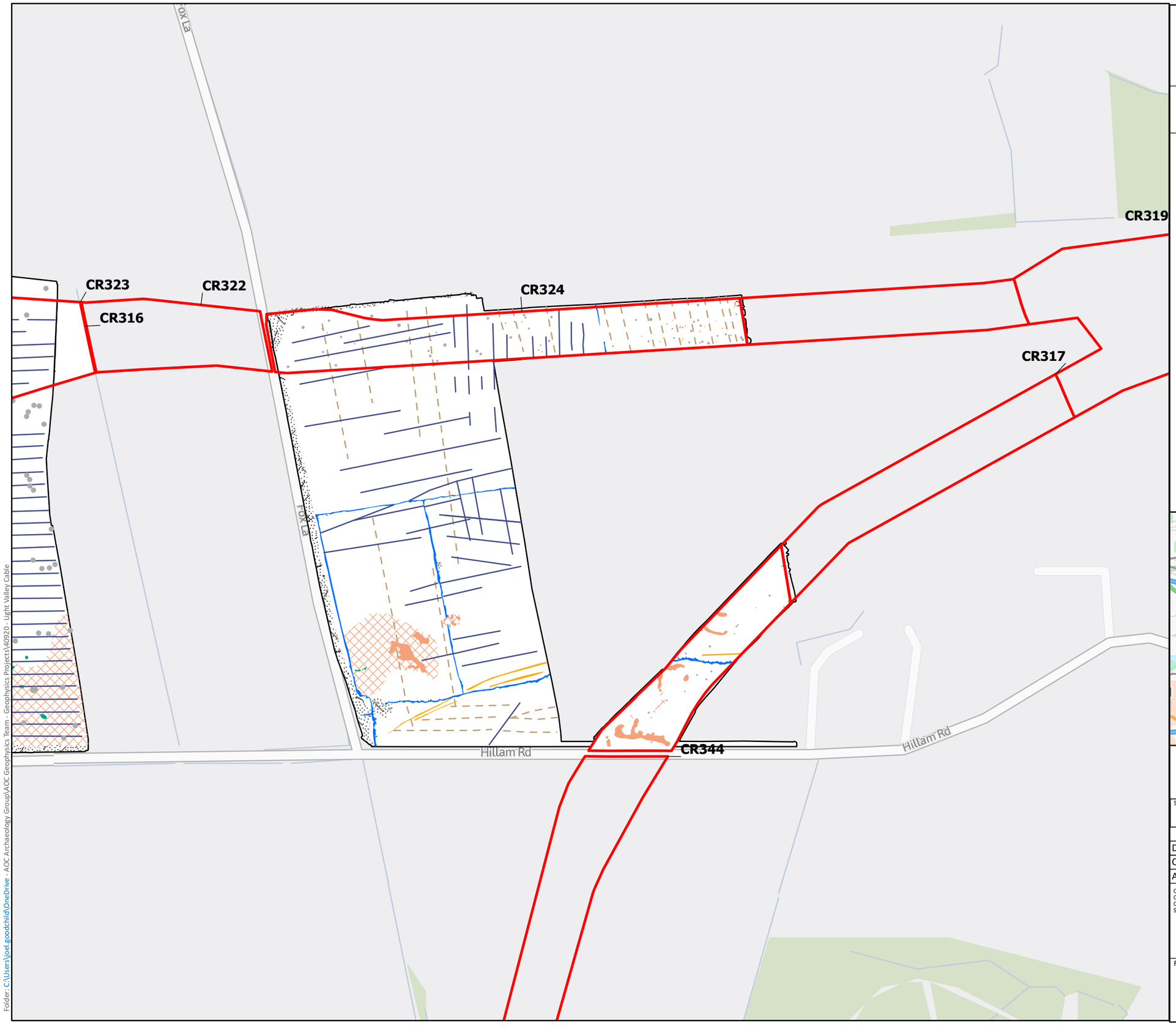
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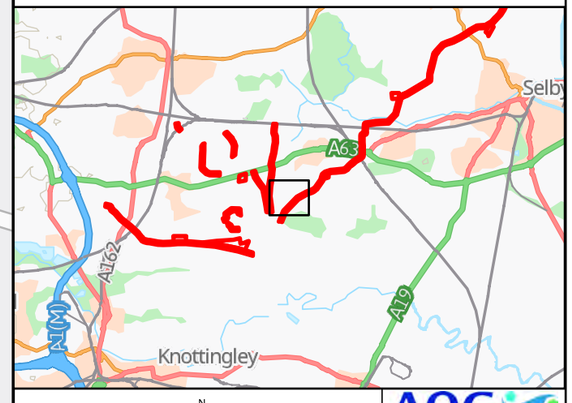
LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 4.9	Summary Interpretation



Legend

- Light Valley Cable Route
- Ferrous Anomalies/Iron Spike
- Linear Trend (Possible Archaeology)
- Linear Trend (Agricultural, Ploughing)
- Linear Trend (Drainage)
- Anomaly (Probable Archaeology)
- Anomaly (Possible Archaeology)
- Anomaly (Historic Feature)
- Anomaly (Unclear Origin)
- Anomaly (Geology/Natural)
- Spread (Geology/Natural)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Survey Outline
- Outstanding



0 200 m

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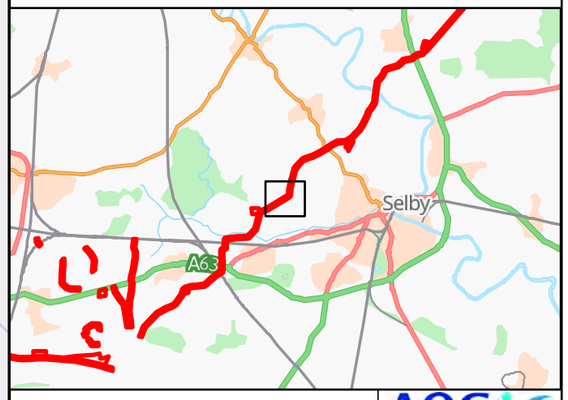
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Figure 4.10

Summary Interpretation

Legend

- Light Valley Cable Route
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Survey Outline



CR217
CR227
CR230
CR229
CR232
Selby Common
Flaxley Rd
Flaxley Lodge
Greenlands La
Greenlands La
Hospital La
Hospital La
Dam La
Pentland Dell
The Oaks

0 200 m N

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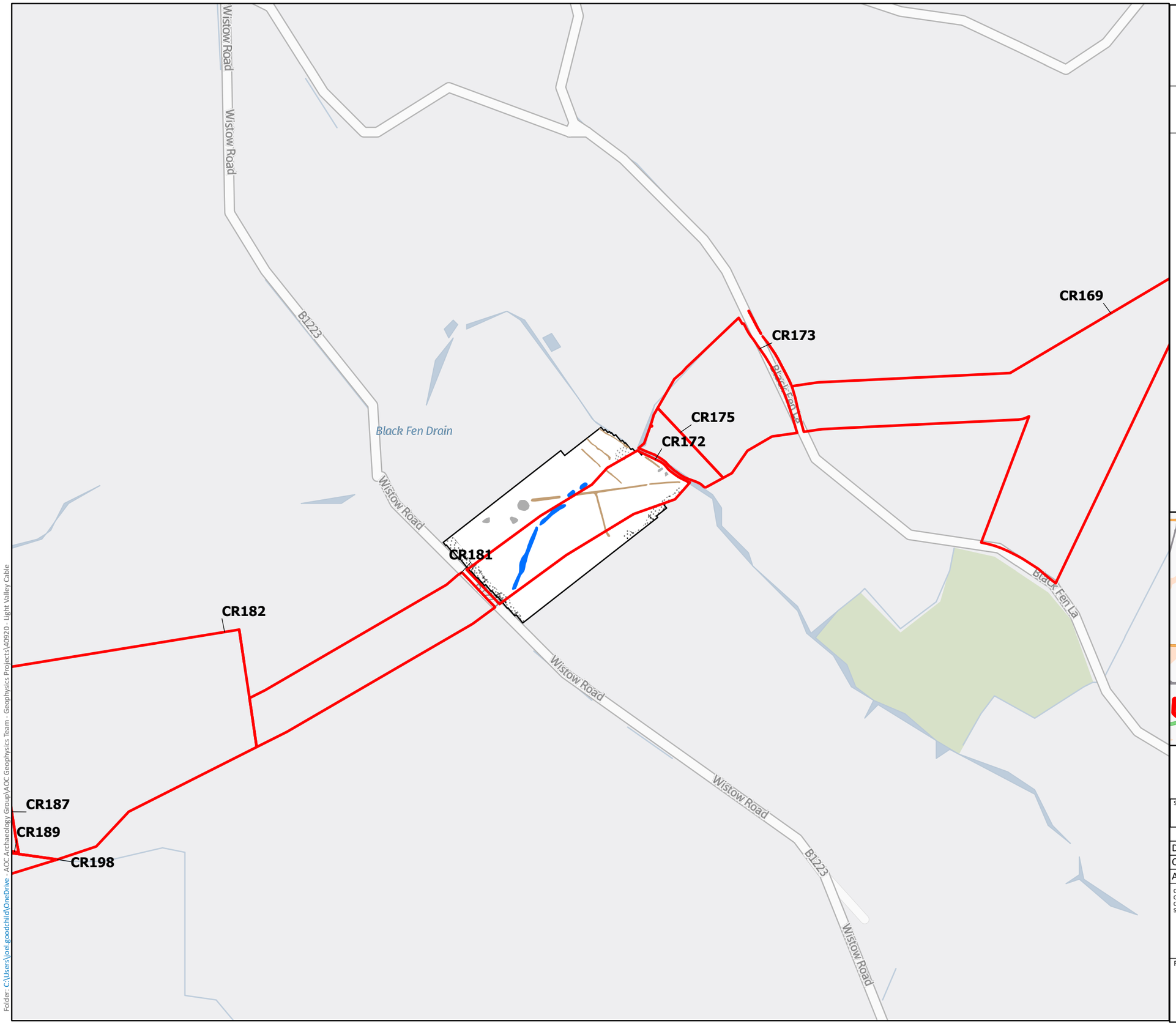
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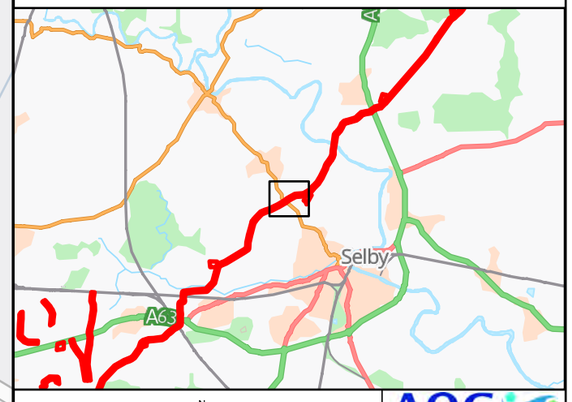
Figure 4.11

Summary Interpretation



Legend

- Light Valley Cable Route
- Anomaly (Historic Feature)
- Anomaly (Agricultural)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Spread (Ferrous/Iron Spike)
- Survey Outline



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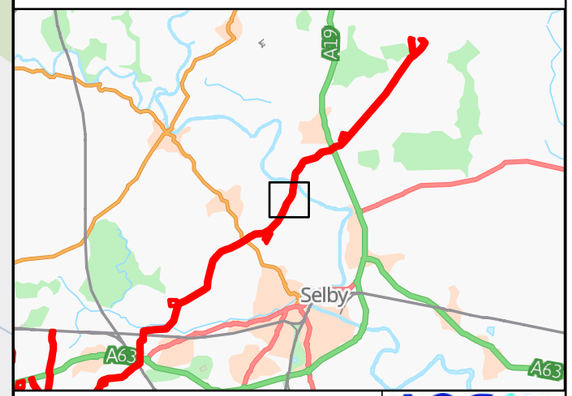
Figure 4.12

Summary Interpretation

CR133
CR142
CR126
CR130
CR129
CR135
CR140
CR137
CR143
CR145
CR146
CR152
CR164
CR157
Lordship La
Mulberry Farm
Lordship La
Lordship La
Carman Carr La

Legend

- Light Valley Cable Route
- Ferrous Anomalies/Iron Spike
- Linear Trend (Drainage)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Spread (Ferrous/Iron Spike)
- Survey Outline



0 200 m N

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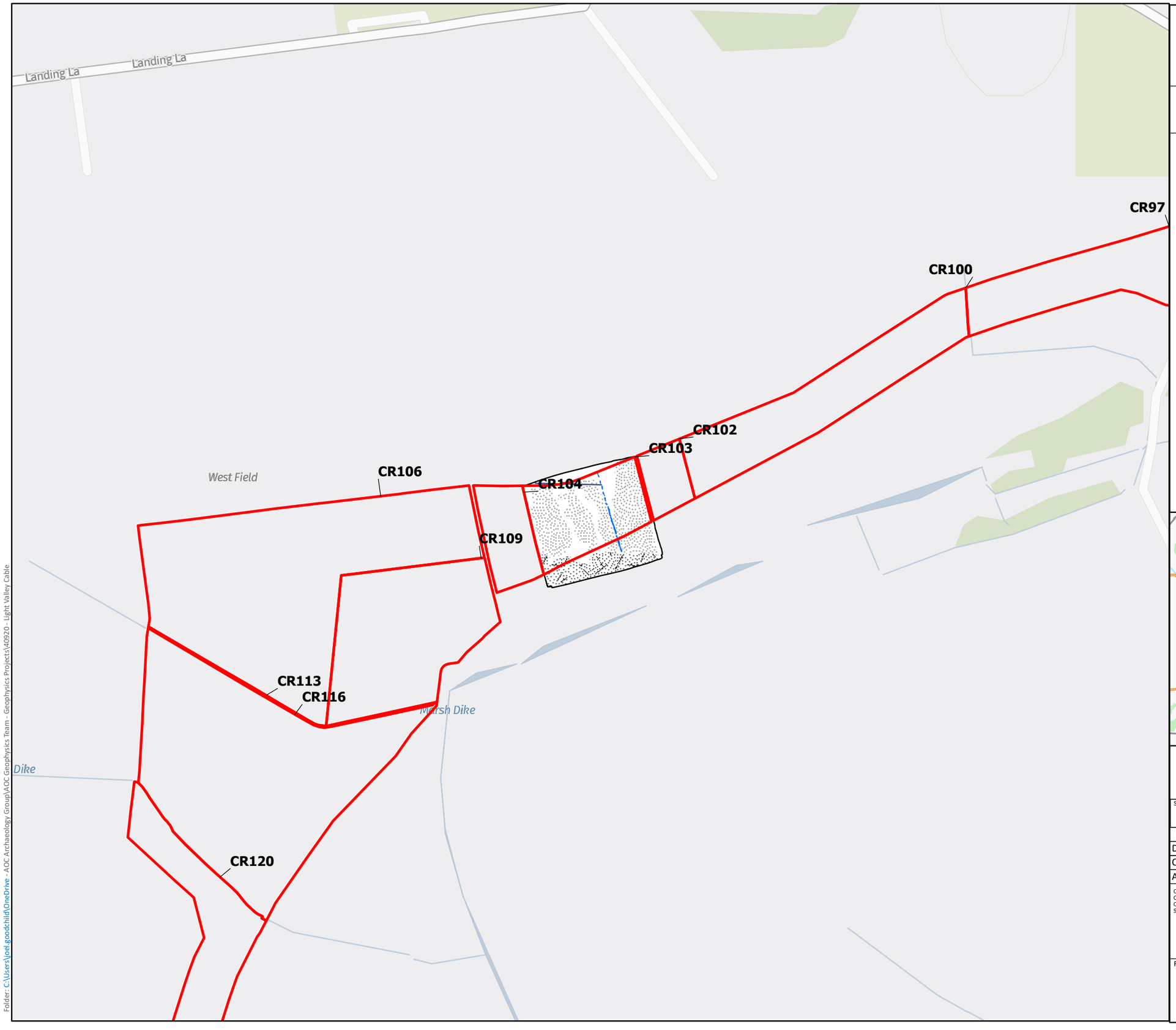
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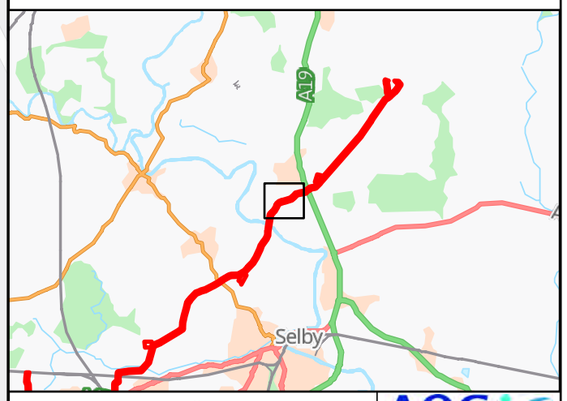
Figure 4.13

Summary Interpretation



Legend

- Light Valley Cable Route
- Linear Trend (Drainage)
- Anomaly (Historic Feature)
- Spread (Magnetic Disturbance)
- Spread (Ferrous/Iron Spike)
- Survey Outline



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Approved by:	**CS**	Date:	**20/01/2026 18:52**	AOC Project No:	**40920**

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FOR

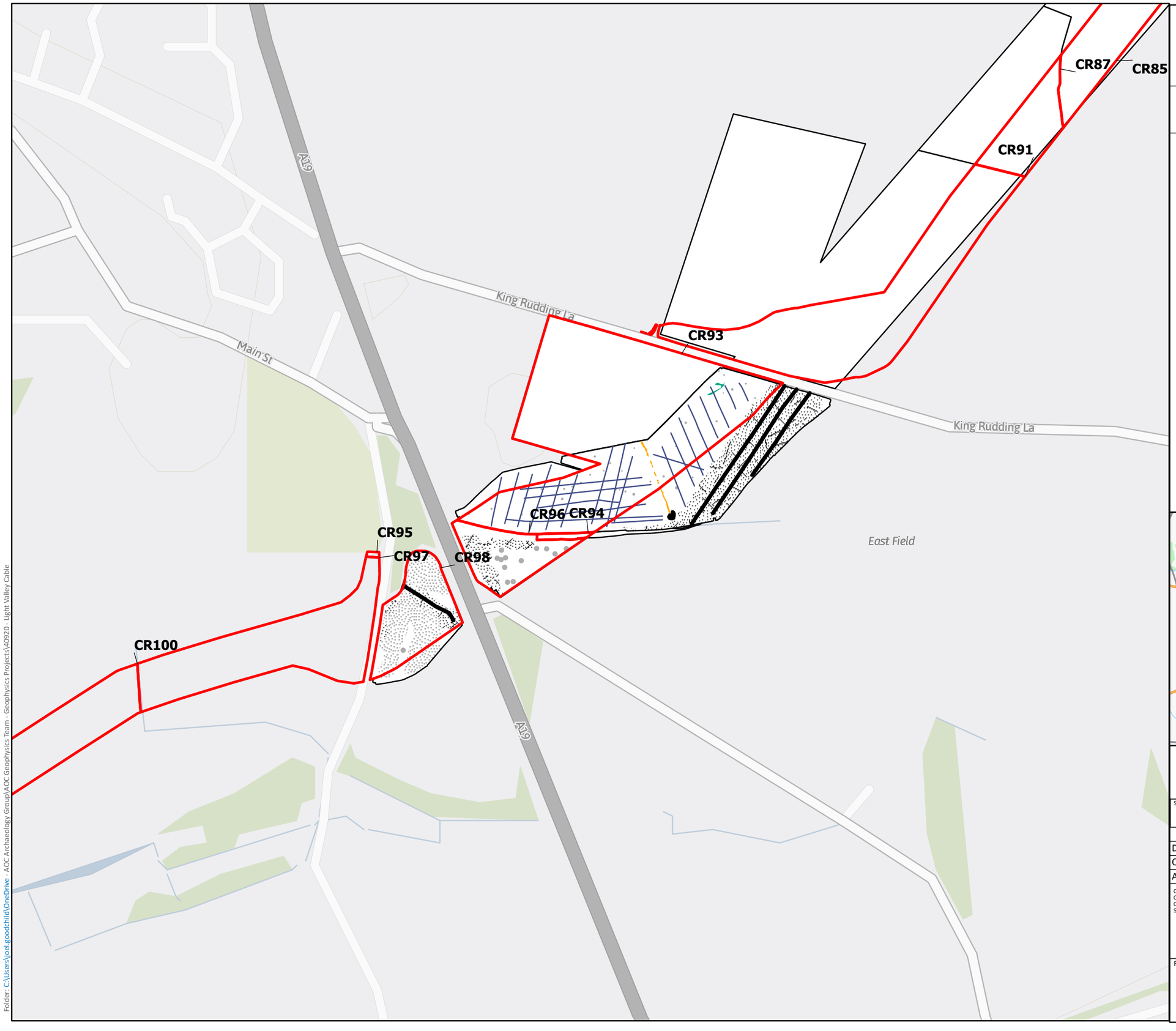
Lanpro

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

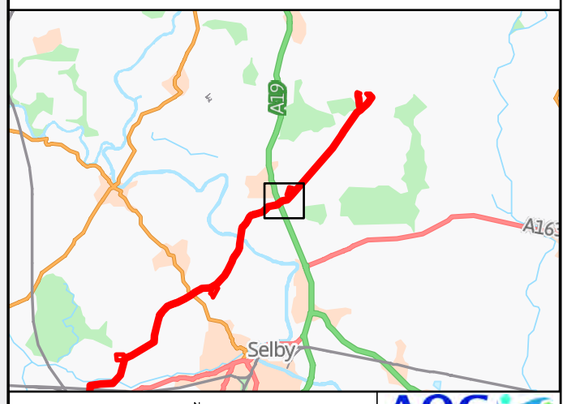
Figure 4.14

Summary Interpretation



Legend

- Light Valley Cable Route
- Ferrous Anomalies/Iron Spike
- Linear Trend (Drainage)
- Linear Trend (Service)
- Anomaly (Possible Archaeology)
- Anomaly (Unclear Origin)
- Anomaly (Magnetic Disturbance)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Spread (Ferrous/Iron Spike)
- Survey Outline
- Outstanding
- Unsuitable



0 200 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:4,000

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	20/01/2026 18:52	Version:	1.0
Checked by:	CS	Date:	20/01/2026 18:52	Status:	DRAFT
Approved by:	CS	Date:	20/01/2026 18:52	AOC Project No:	40920

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 5.1	**Processed Gradiometer Data: Greyscale Image: CR397, CR407**

Legend

Red Line Boundary

Status

Surveyed

2nT

-1nT

449500

CR387

CR397

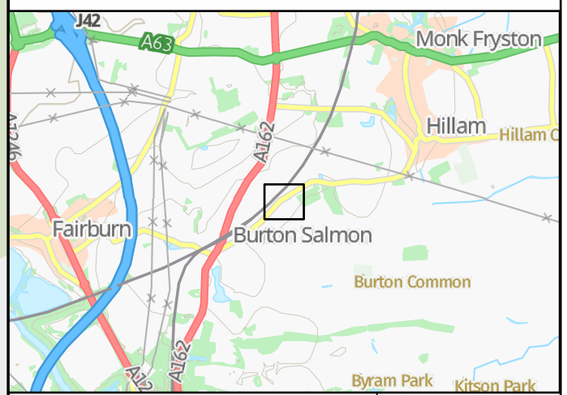
CR407

CR411

Hillam La

Hillam La

Hillam La



0 40 m

N

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	**JG**	Date:	**21/01/2026 18:34**	Version:	**1.0**
Checked by:	**CS**	Date:	**21/01/2026 18:34**	Status:	**DRAFT**
Approved by:	**CS**	Date:	**21/01/2026 18:34**	AOC Project No:	**40920**

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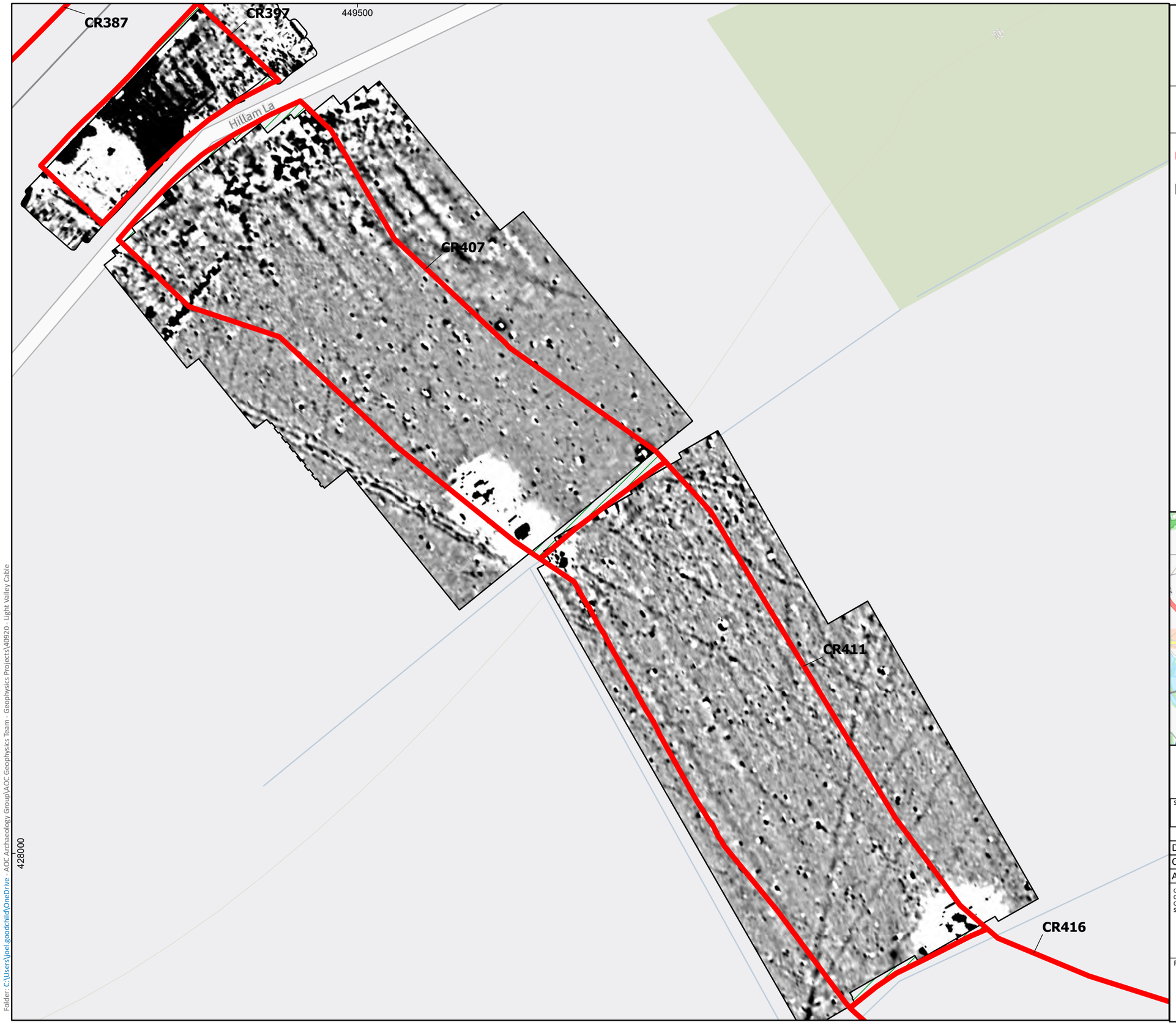
FOR

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 5.2	Processed Gradiometer Data: Greyscale Image: CR397, CR407, CR411



Legend

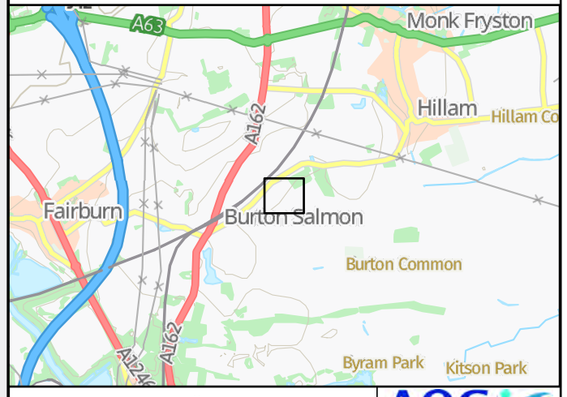
Red Line Boundary

Status

Surveyed

2nT

-1nT



N

0 40 m

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System:	Coordinate System: British National Grid Projection: Transverse Mercator Datum: OSGB 1936	Scale:	1:1,250
		Page Size:	@ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	**JG**	Date:	**21/01/2026 18:34**	Version:	**1.0**
Checked by:	**CS**	Date:	**21/01/2026 18:34**	Status:	**DRAFT**
Approved by:	**CS**	Date:	**21/01/2026 18:34**	AOC Project No:	**40920**

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 5.3	**Processed Gradiometer Data: Greyscale Image: CR407, CR411**

Legend

Red Line Boundary

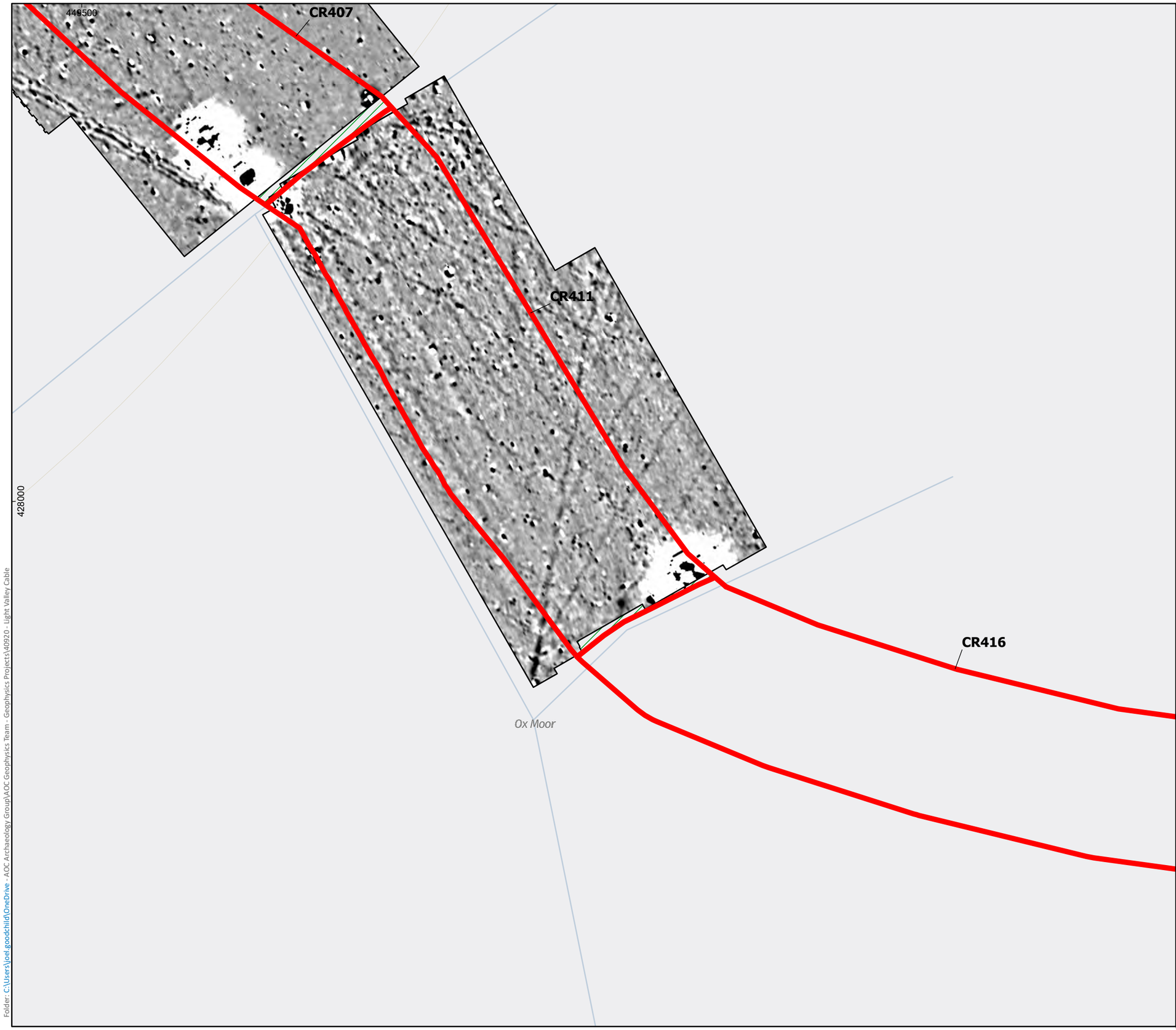
Status

Surveyed

2nT

-1nT





0 N 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	**JG**	Date:	**21/01/2026 18:34**	Version:	**1.0**
Checked by:	**CS**	Date:	**21/01/2026 18:34**	Status:	**DRAFT**
Approved by:	**CS**	Date:	**21/01/2026 18:34**	AOC Project No:	**40920**

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 5.4	**Processed Gradiometer Data: Greyscale Image: CR407, CR411**

428000

CR416

CR412

CR418

Legend

Red Line Boundary

Status

Surveyed

Unsuitable

2nT

-1nT



0 N 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	**JG**	Date:	**21/01/2026 18:34**	Version:	**1.0**
Checked by:	**CS**	Date:	**21/01/2026 18:34**	Status:	**DRAFT**
Approved by:	**CS**	Date:	**21/01/2026 18:34**	AOC Project No:	**40920**

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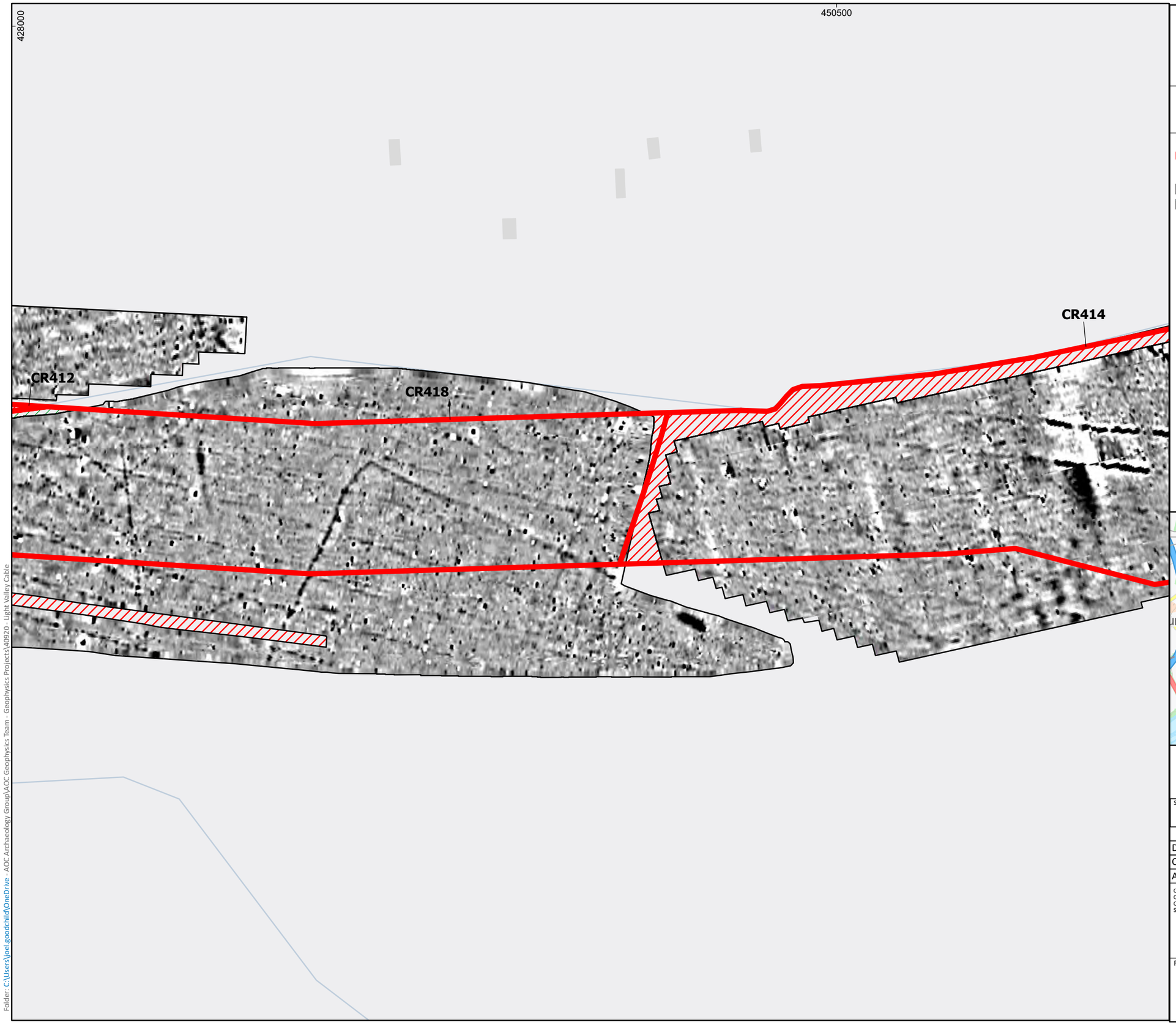
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 5.5	**Processed Gradiometer Data: Greyscale Image: CR418, CR414**



Legend

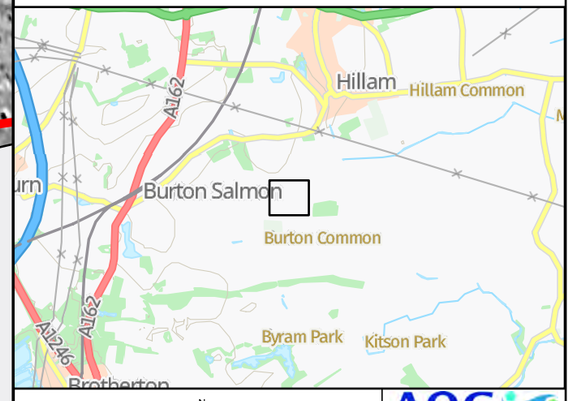
- Red Line Boundary

Status

- Surveyed
- Unsuitable

2nT

-1nT



0 40 m

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System: Coordinate System: British National Grid Projection: Transverse Mercator Datum: OSGB 1936	Scale: 1:1,250 Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	**JG**	Date:	**21/01/2026 18:34**	Version:	**1.0**
Checked by:	**CS**	Date:	**21/01/2026 18:34**	Status:	**DRAFT**
Approved by:	**CS**	Date:	**21/01/2026 18:34**	AOC Project No:	**40920**

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 5.6	Processed Gradiometer Data: Greyscale Image: CR418, CR414

450500

428000

CR413

CR414

CR418

Fairfield La

Legend

Red Line Boundary

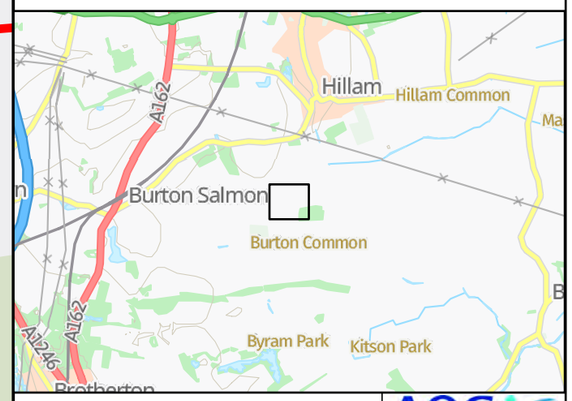
Status

Surveyed

Unsuitable

2nT

-1nT



0 N 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	21/01/2026 18:34	Version:	1.0
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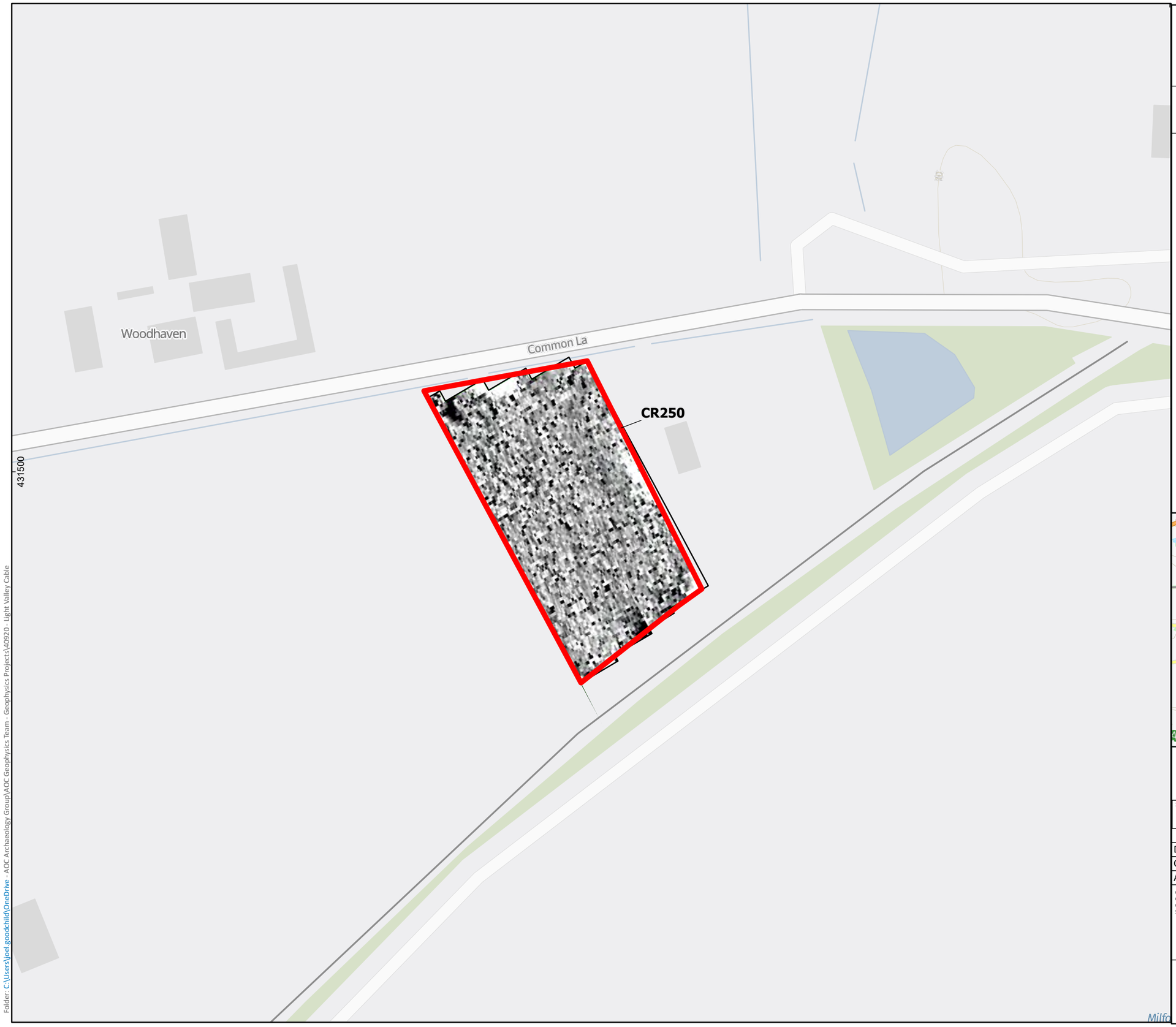
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 5.7	**Processed Gradiometer Data: Greyscale Image: CR250**

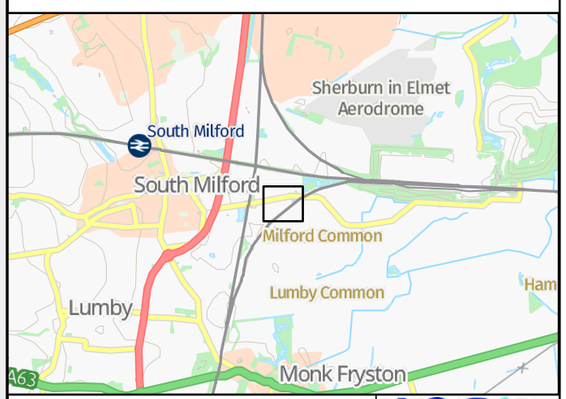
Legend

Red Line Boundary



2nT

-1nT



0 N 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	**JG**	Date:	**21/01/2026 18:34**	Version:	**1.0**
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Figure 5.8	Processed Gradiometer Data: Greyscale Image: CR466, CR467

451500

430500

CR461

CR466

CR467

CR464

Ingthorne La

Ingthorne La

Fryston Common La

Legend

Red Line Boundary

2nT

-1nT

0 N 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	21/01/2026 18:34	Version:	1.0
Checked by:	CS	Date:	21/01/2026 18:34	Status:	DRAFT
Approved by:	CS	Date:	21/01/2026 18:34	AOC Project No:	40920

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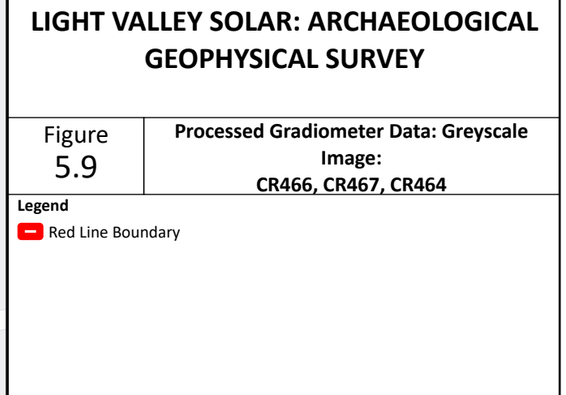
Figure 5.9	**Processed Gradiometer Data: Greyscale Image: CR466, CR467, CR464**

Legend

- Red Line Boundary

2nT

-1nT





0 40 m

N

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System:	Coordinate System: British National Grid Projection: Transverse Mercator Datum: OSGB 1936	Scale:	1:1,250
		Page Size:	@ A3

Drawing Number: 05/40920/GEO/P8/

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Approved by:	**CS**	Date:	**21/01/2026 18:34**	AOC Project No:	**40920**

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 5.10	Processed Gradiometer Data: Greyscale Image: CR464, CR465

Legend

Red Line Boundary

2nT

-1nT

451500

CR466

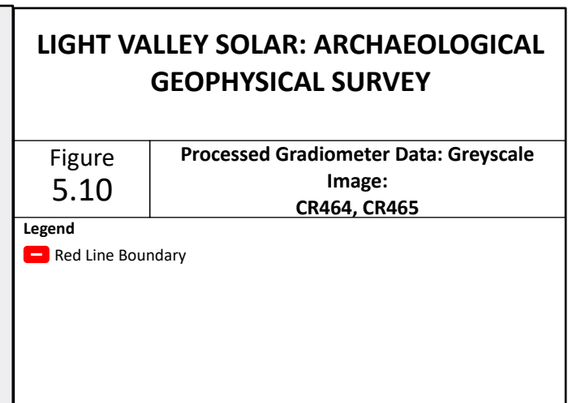
CR467

CR464

CR465

Fryston Com

430000



0 40 m

N

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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Approved by:	**CS**	Date:	**21/01/2026 18:34**	AOC Project No:	**40920**

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 5.11

Processed Gradiometer Data: Greyscale Image: CR465

Legend

Red Line Boundary

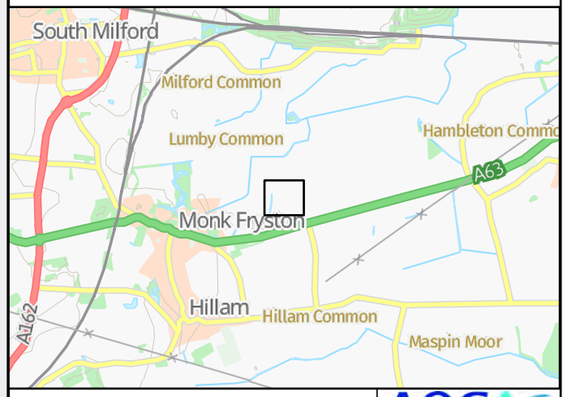
2nT

-1nT

CR464

CR465

430000



0 N 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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Checked by:	CS	Date:	21/01/2026 18:34	Status:	DRAFT
Approved by:	CS	Date:	21/01/2026 18:34	AOC Project No:	40920

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 5.12	**Processed Gradiometer Data: Greyscale Image: CR465**

Legend

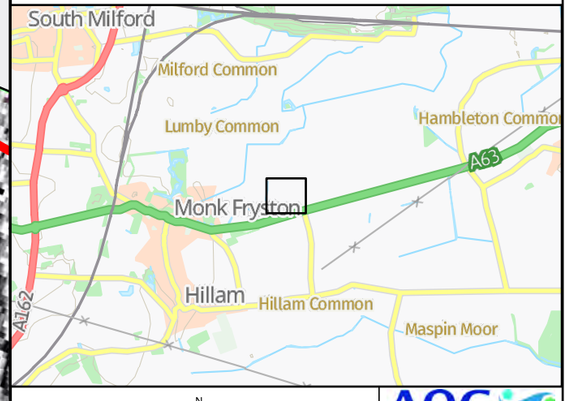
Red Line Boundary

Status

Unsuitable

2nT

-1nT



0 N 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	**JG**	Date:	**21/01/2026 18:34**	Version:	**1.0**
Checked by:	**CS**	Date:	**21/01/2026 18:34**	Status:	**DRAFT**
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Figure 5.13	Processed Gradiometer Data: Greyscale Image: CR465



Legend

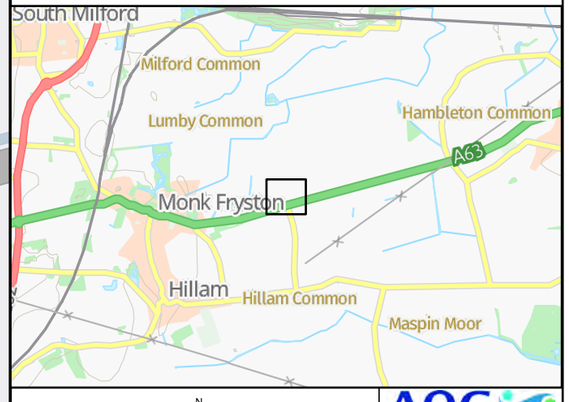
Red Line Boundary

Status

Unsuitable

2nT

-1nT



N

0 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 5.14	**Processed Gradiometer Data: Greyscale Image: CR403, CR405**

Legend

Red Line Boundary

Status

Unsuitable

2nT

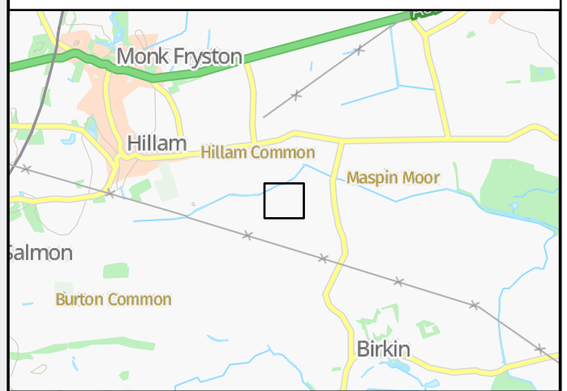
-1nT

452500

428500

CR403

CR405



0 N 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	**JG**	Date:	**21/01/2026 18:34**	Version:	**1.0**
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452500

CR405

CR403

LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 5.15	Processed Gradiometer Data: Greyscale Image: CR405

Legend

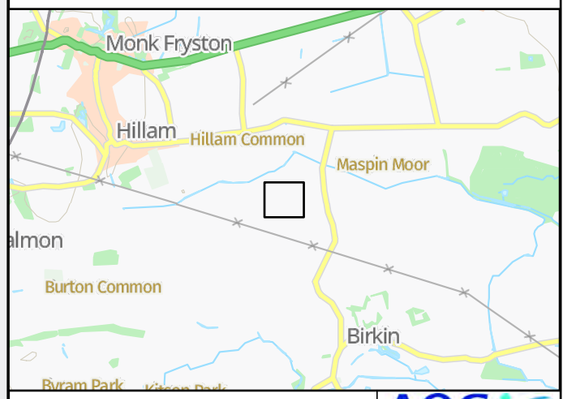
Red Line Boundary

Status

Unsuitable

2nT

-1nT



0 N 40 m

AOC Archaeology Group

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	21/01/2026 18:34	Version:	1.0
Checked by:	CS	Date:	21/01/2026 18:34	Status:	DRAFT
Approved by:	CS	Date:	21/01/2026 18:34	AOC Project No:	40920

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452500

CR405

LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

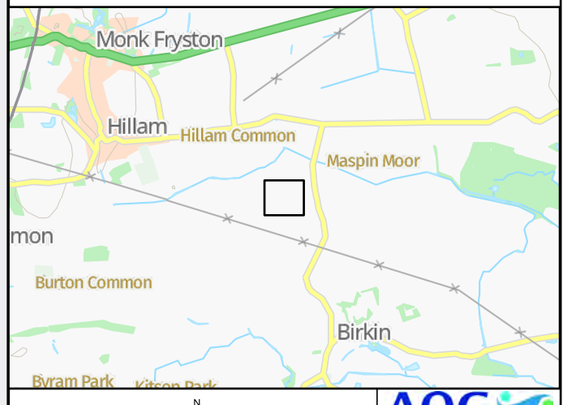
Figure 5.16	Processed Gradiometer Data: Greyscale Image: CR405

Legend

Red Line Boundary

2nT

-1nT



N

0 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	**JG**	Date:	**21/01/2026 18:34**	Version:	**1.0**
Checked by:	**CS**	Date:	**21/01/2026 18:34**	Status:	**DRAFT**
Approved by:	**CS**	Date:	**21/01/2026 18:34**	AOC Project No:	**40920**

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452500

CR405

CR403

LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 5.17	Processed Gradiometer Data: Greyscale Image: CR403, CR405

Legend

Red Line Boundary

Status

Unsuitable

2nT

-1nT



0 40 m

N

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System:	Coordinate System: British National Grid Projection: Transverse Mercator Datum: OSGB 1936	Scale:	1:1,250
		Page Size:	@ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	**JG**	Date:	**21/01/2026 18:34**	Version:	**1.0**
Checked by:	**CS**	Date:	**21/01/2026 18:34**	Status:	**DRAFT**
Approved by:	**CS**	Date:	**21/01/2026 18:34**	AOC Project No:	**40920**

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 5.18

Processed Gradiometer Data: Greyscale Image: CR403, CR405

Legend

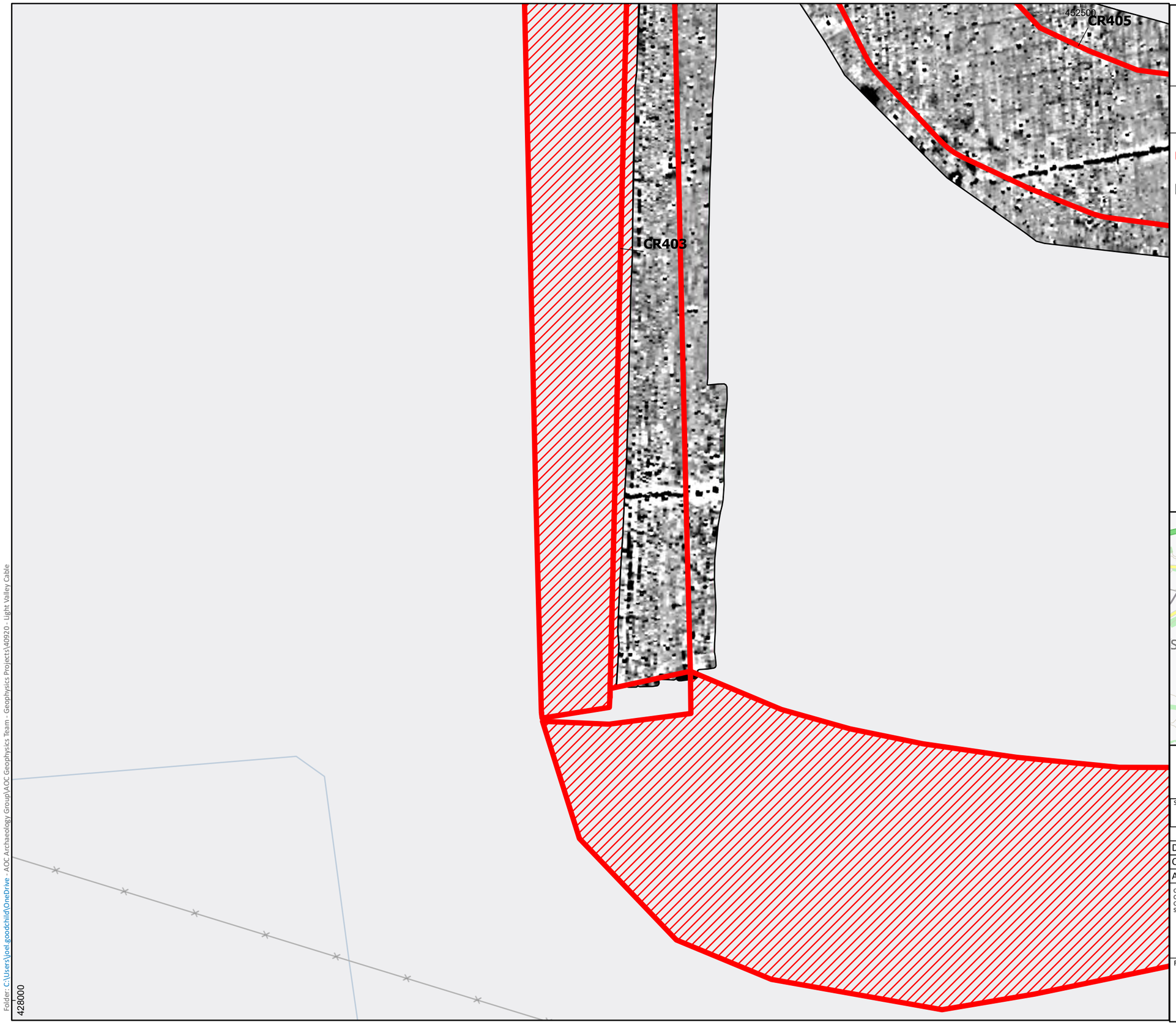
Red Line Boundary

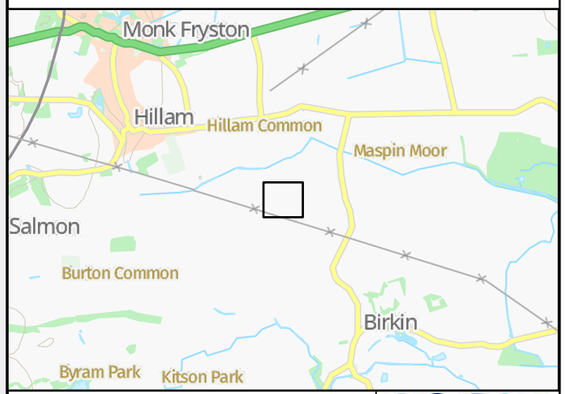
Status

Unsuitable

2nT

-1nT





0 40 m

N

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System: Coordinate System: British National Grid Projection: Transverse Mercator Datum: OSGB 1936	Scale: 1:1,250 Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	**JG**	Date:	**21/01/2026 18:34**	Version:	**1.0**
Checked by:	**CS**	Date:	**21/01/2026 18:34**	Status:	**DRAFT**
Approved by:	**CS**	Date:	**21/01/2026 18:34**	AOC Project No:	**40920**

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453500

CR279

CR282

Common La

A63

Fox La

LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 5.19	Processed Gradiometer Data: Greyscale Image: CR282

Legend

Red Line Boundary

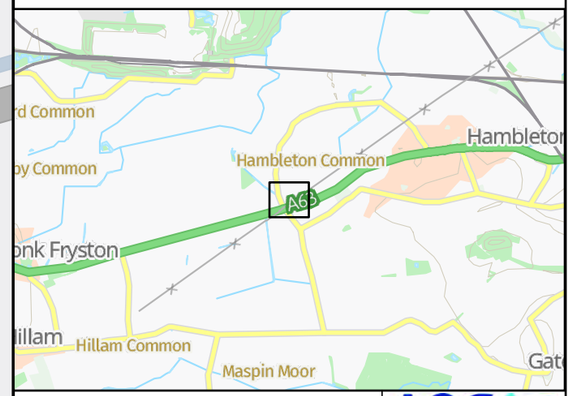
Status

Outstanding

Unsuitable

2nT

-1nT



0 N 40 m

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System: Coordinate System: British National Grid Projection: Transverse Mercator Datum: OSGB 1936	Scale: 1:1,250 Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	21/01/2026 18:34	Version:	1.0
Checked by:	CS	Date:	21/01/2026 18:34	Status:	DRAFT
Approved by:	CS	Date:	21/01/2026 18:34	AOC Project No:	40920

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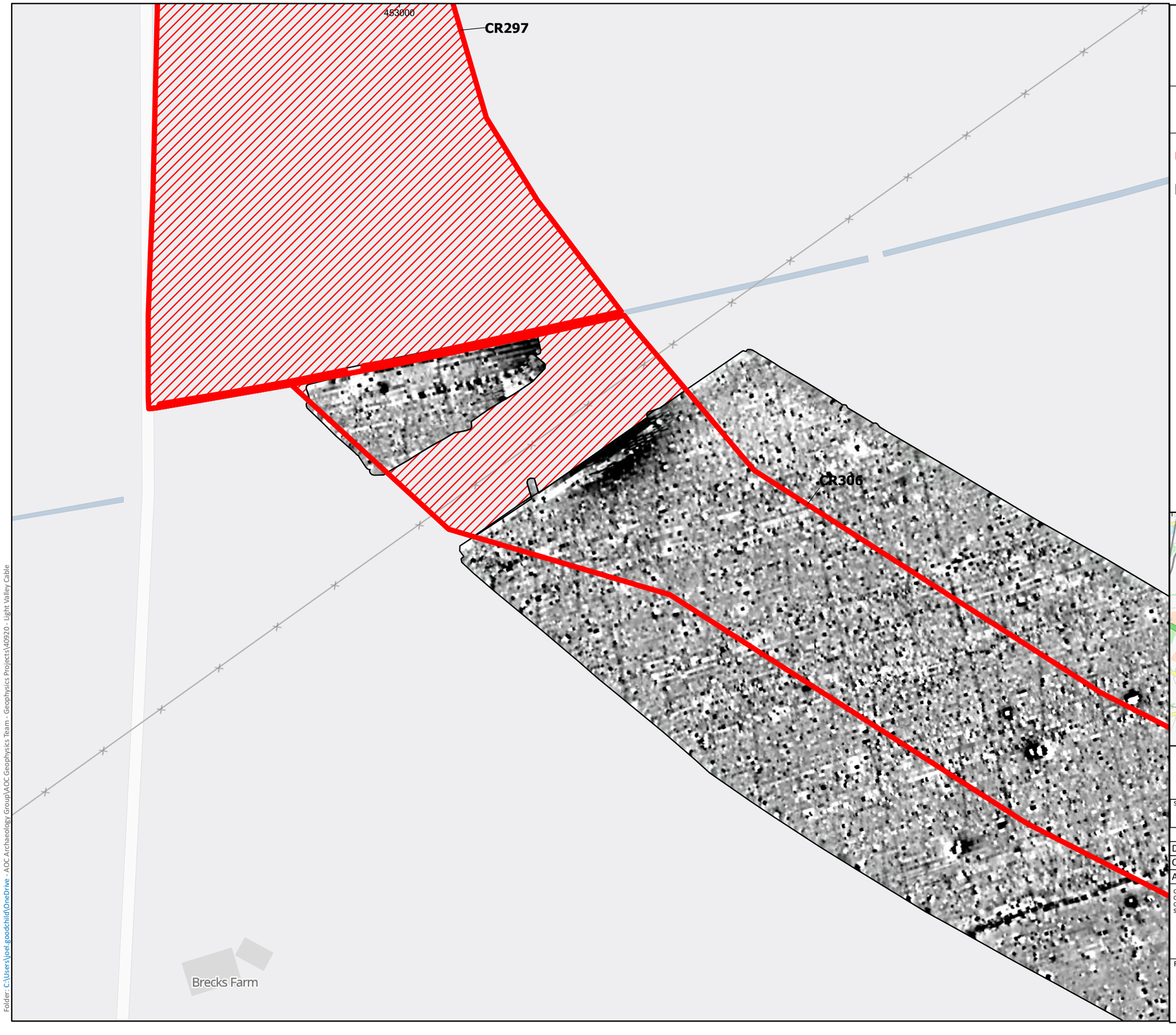
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 5.20

Processed Gradiometer Data: Greyscale Image: CR306



Legend

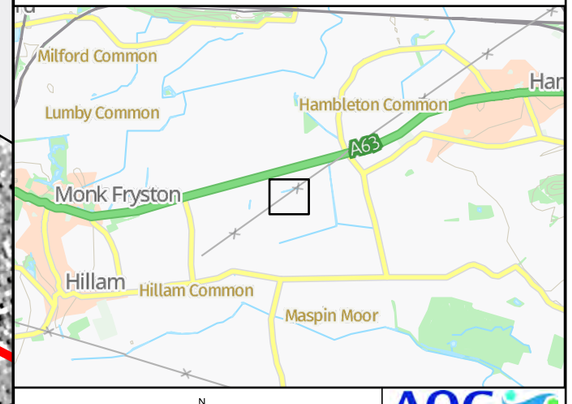
Red Line Boundary

Status

Unsuitable

2nT

-1nT



0 40 m

N

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	**JG**	Date:	**21/01/2026 18:34**	Version:	**1.0**
Checked by:	**CS**	Date:	**21/01/2026 18:34**	Status:	**DRAFT**
Approved by:	**CS**	Date:	**21/01/2026 18:34**	AOC Project No:	**40920**

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 5.21	Processed Gradiometer Data: Greyscale Image: CR306

CR297

CR306

Legend

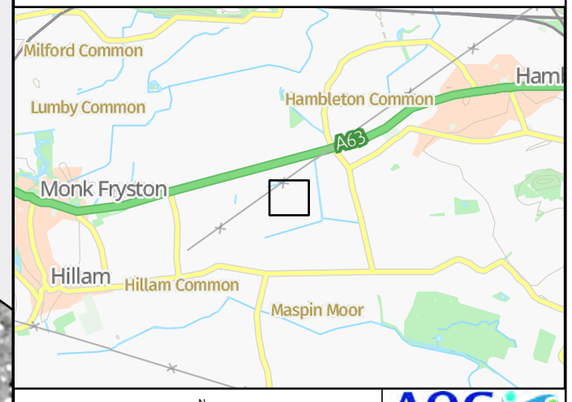
Red Line Boundary

Status

Unsuitable

2nT

-1nT



0 N 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	21/01/2026 18:34	Version:	1.0
Checked by:	CS	Date:	21/01/2026 18:34	Status:	DRAFT
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 5.22	Processed Gradiometer Data: Greyscale Image: CR306

Legend

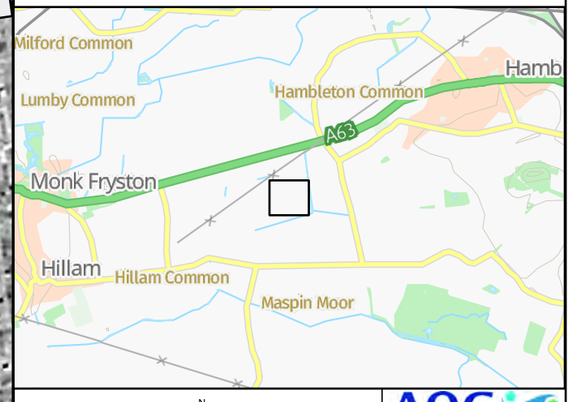
Red Line Boundary

2nT

-1nT

CR306

CR326



0 N 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	21/01/2026 18:34	Version:	1.0
Checked by:	CS	Date:	21/01/2026 18:34	Status:	DRAFT
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 5.23	Processed Gradiometer Data: Greyscale Image: CR306

453500

429500

CR306

CR323

CR326

CR325

Legend

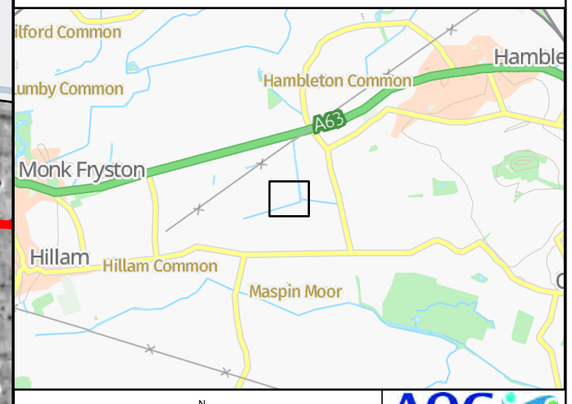
Red Line Boundary

Status

Outstanding

2nT

-1nT



0 40 m

N

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	21/01/2026 18:34	Version:	1.0
Checked by:	CS	Date:	21/01/2026 18:34	Status:	DRAFT
Approved by:	CS	Date:	21/01/2026 18:34	AOC Project No:	40920

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 5.24	**Processed Gradiometer Data: Greyscale Image: CR306**

Legend

Red Line Boundary

Status

Outstanding

2nT

-1nT

453500

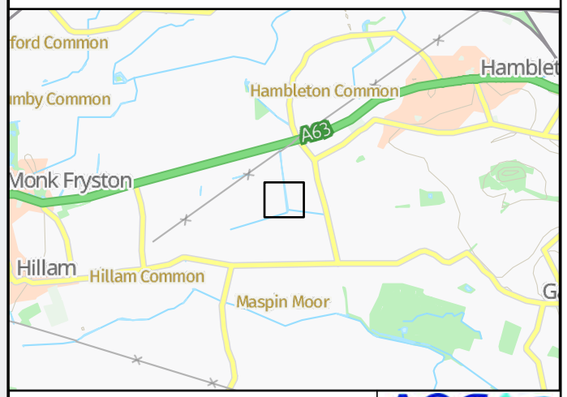
429500

CR306

CR326

CR325

CR323



0 40 m

N

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	21/01/2026 18:34	Version:	1.0
Checked by:	CS	Date:	21/01/2026 18:34	Status:	DRAFT
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 5.25	Processed Gradiometer Data: Greyscale Image: CR323, CR325, CR326



Legend

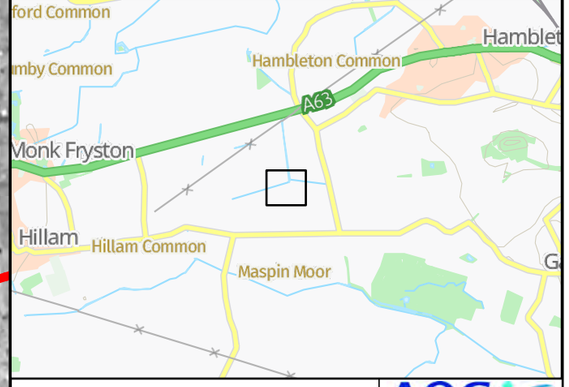
Red Line Boundary

Status

Outstanding

2nT

-1nT



0 N 40 m

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System: Coordinate System: British National Grid Projection: Transverse Mercator Datum: OSGB 1936	Scale: 1:1,250 Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	21/01/2026 18:34	Version:	1.0
Checked by:	CS	Date:	21/01/2026 18:34	Status:	DRAFT
Approved by:	CS	Date:	21/01/2026 18:34	AOC Project No:	40920

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 5.26	Processed Gradiometer Data: Greyscale Image: CR323, CR325, CR326

CR306

453500

CR323

CR325

CR326

Legend

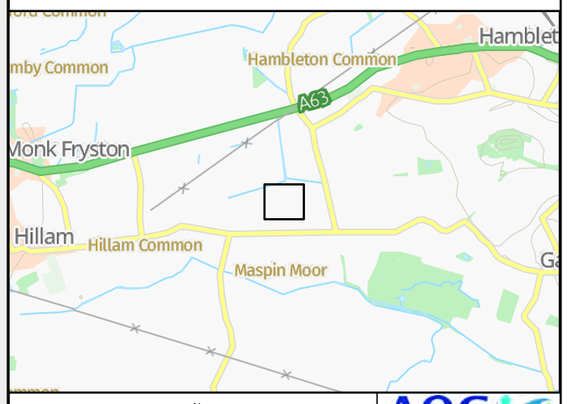
Red Line Boundary

Status

Outstanding

2nT

-1nT



0 N 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	21/01/2026 18:34	Version:	1.0
Checked by:	CS	Date:	21/01/2026 18:34	Status:	DRAFT
Approved by:	CS	Date:	21/01/2026 18:34	AOC Project No:	40920

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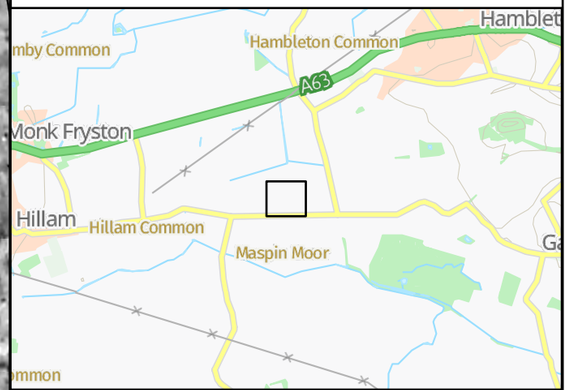
Figure 5.27	Processed Gradiometer Data: Greyscale Image: CR323, CR325, CR326

Legend

Red Line Boundary

2nT

-1nT



0 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	21/01/2026 18:34	Version:	1.0
Checked by:	CS	Date:	21/01/2026 18:34	Status:	DRAFT
Approved by:	CS	Date:	21/01/2026 18:34	AOC Project No:	40920

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Figure 5.28	Processed Gradiometer Data: Greyscale Image: CR323, CR325, CR326



Legend

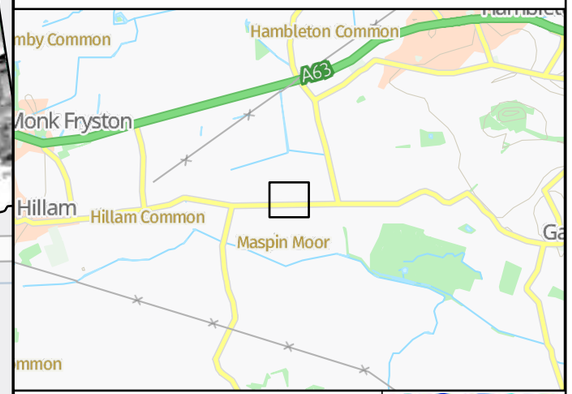
Red Line Boundary

Status

No Access

2nT

-1nT



0 40 m

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System:	Coordinate System: British National Grid Projection: Transverse Mercator Datum: OSGB 1936	Scale:	1:1,250
		Page Size:	@ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	21/01/2026 18:34	Version:	1.0
Checked by:	CS	Date:	21/01/2026 18:34	Status:	DRAFT
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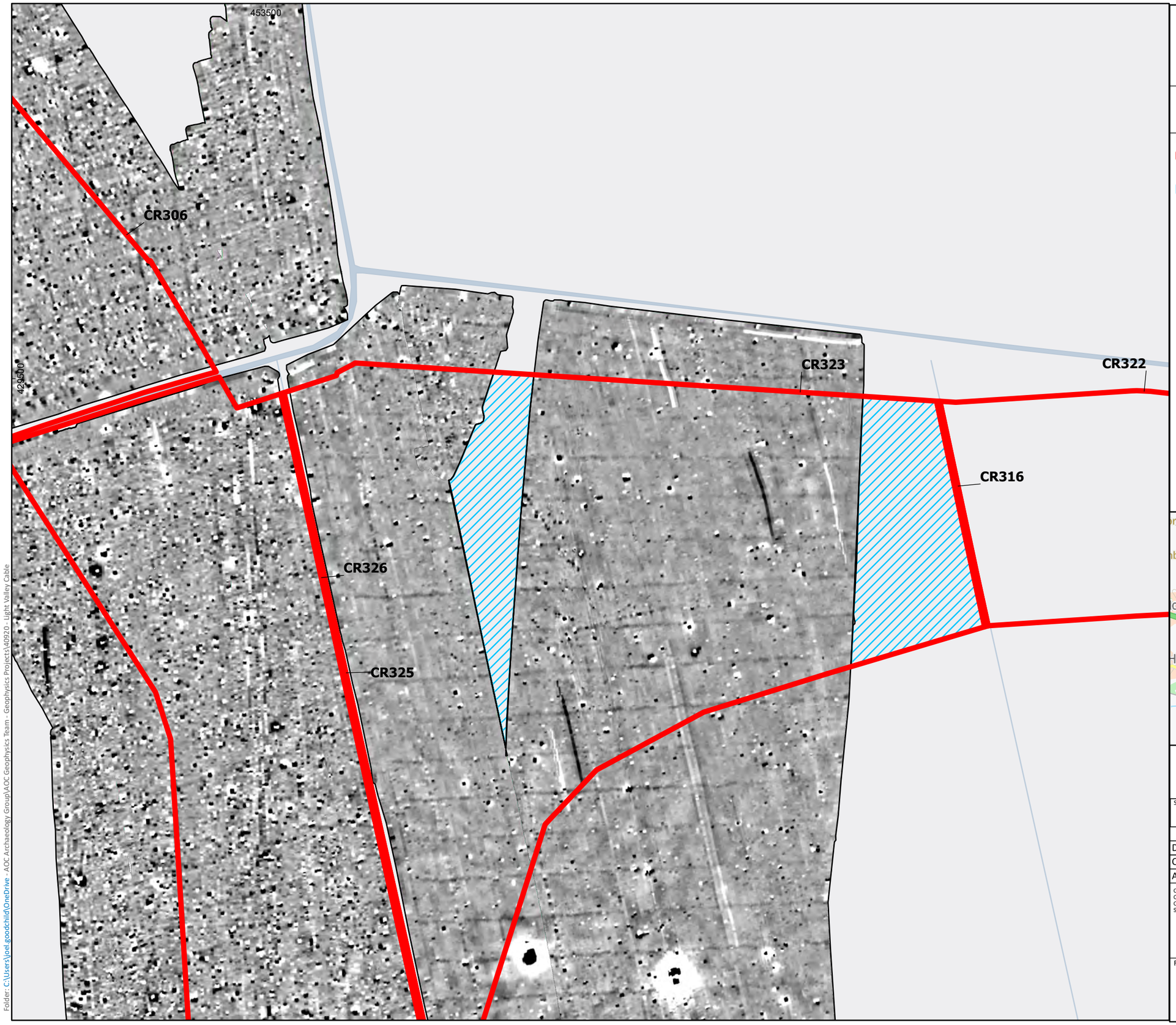
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 5.29	Processed Gradiometer Data: Greyscale Image: CR323, CR325, CR326



Legend

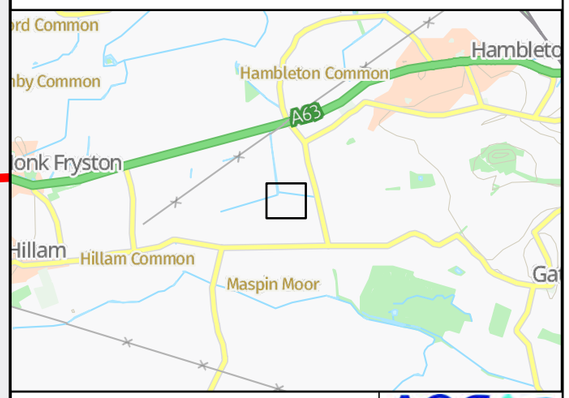
Red Line Boundary

Status

Outstanding

2nT

-1nT



0 40 m

N

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System:	Coordinate System: British National Grid Projection: Transverse Mercator Datum: OSGB 1936	Scale:	1:1,250
		Page Size:	@ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	21/01/2026 18:34	Version:	1.0
Checked by:	CS	Date:	21/01/2026 18:34	Status:	DRAFT
Approved by:	CS	Date:	21/01/2026 18:34	AOC Project No:	40920

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453500

CR316

CR322

CR323

CR325

CR326

LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 5.30	Processed Gradiometer Data: Greyscale Image: CR323, CR325, CR326

Legend

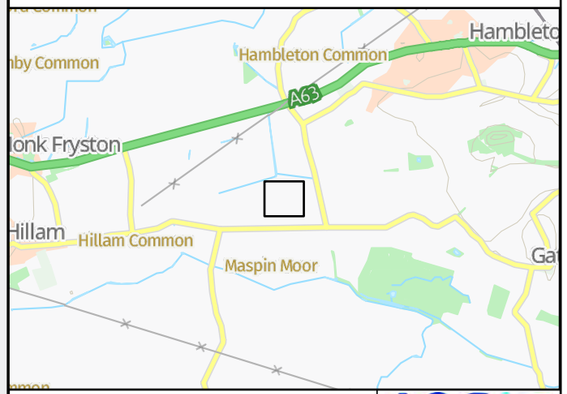
Red Line Boundary

Status

Outstanding

2nT

-1nT



0 N 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

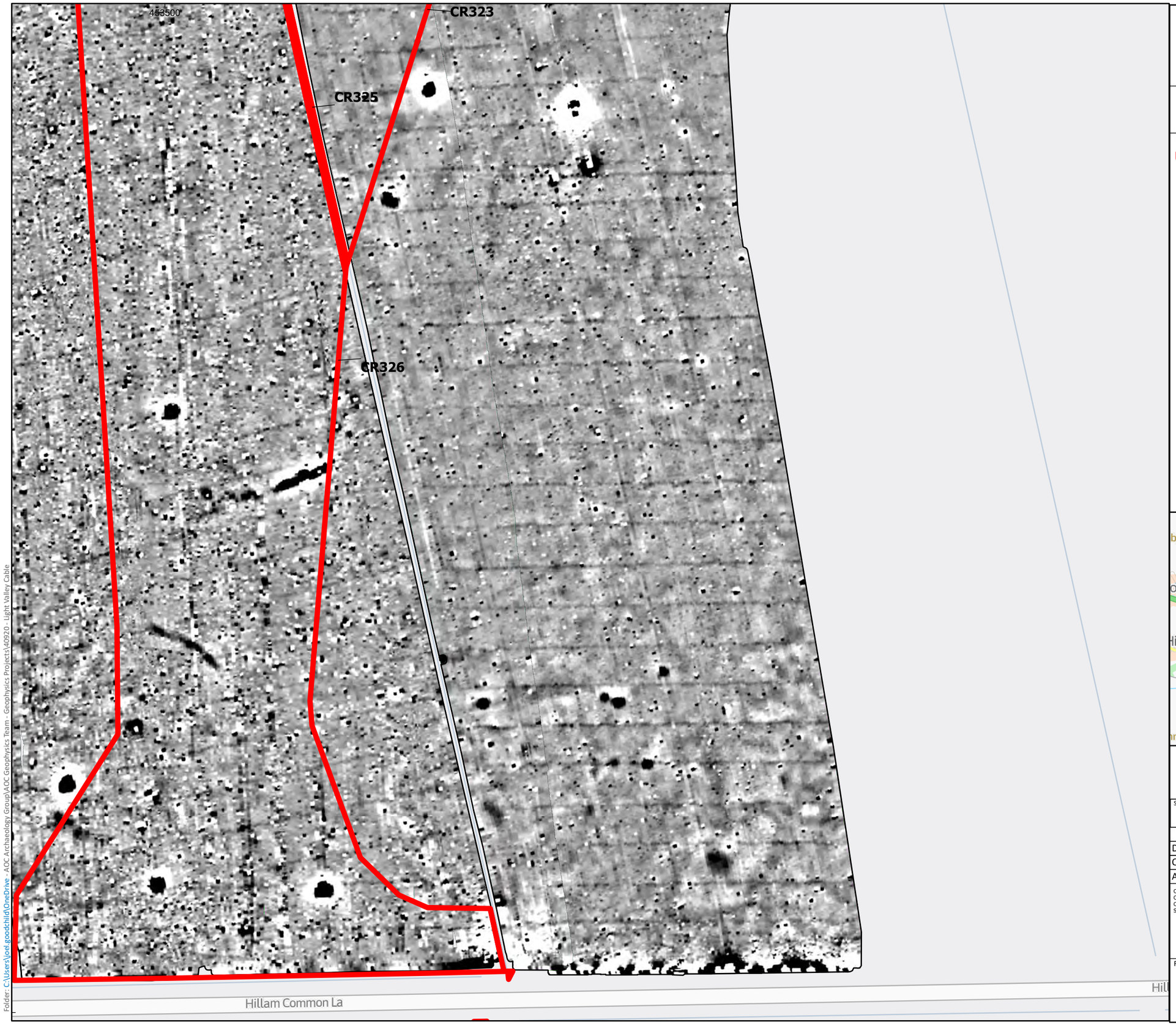
Drawn by:	JG	Date:	21/01/2026 18:34	Version:	1.0
Checked by:	CS	Date:	21/01/2026 18:34	Status:	DRAFT
Approved by:	CS	Date:	21/01/2026 18:34	AOC Project No:	40920

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

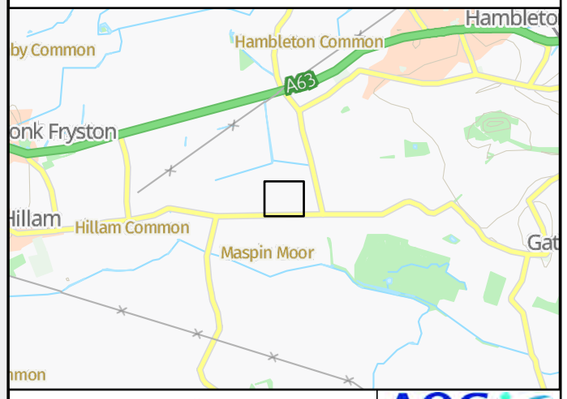
Figure 5.31	Processed Gradiometer Data: Greyscale Image: CR323, CR325, CR326

Legend

Red Line Boundary

2nT

-1nT



0 40 m

AOC Archaeology Group

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System:	Coordinate System: British National Grid Projection: Transverse Mercator Datum: OSGB 1936
Scale:	1:1,250
Page Size:	@ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	21/01/2026 18:34	Version:	1.0
Checked by:	CS	Date:	21/01/2026 18:34	Status:	DRAFT
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 5.32	Processed Gradiometer Data: Greyscale Image: CR323, CR325, CR326

Legend

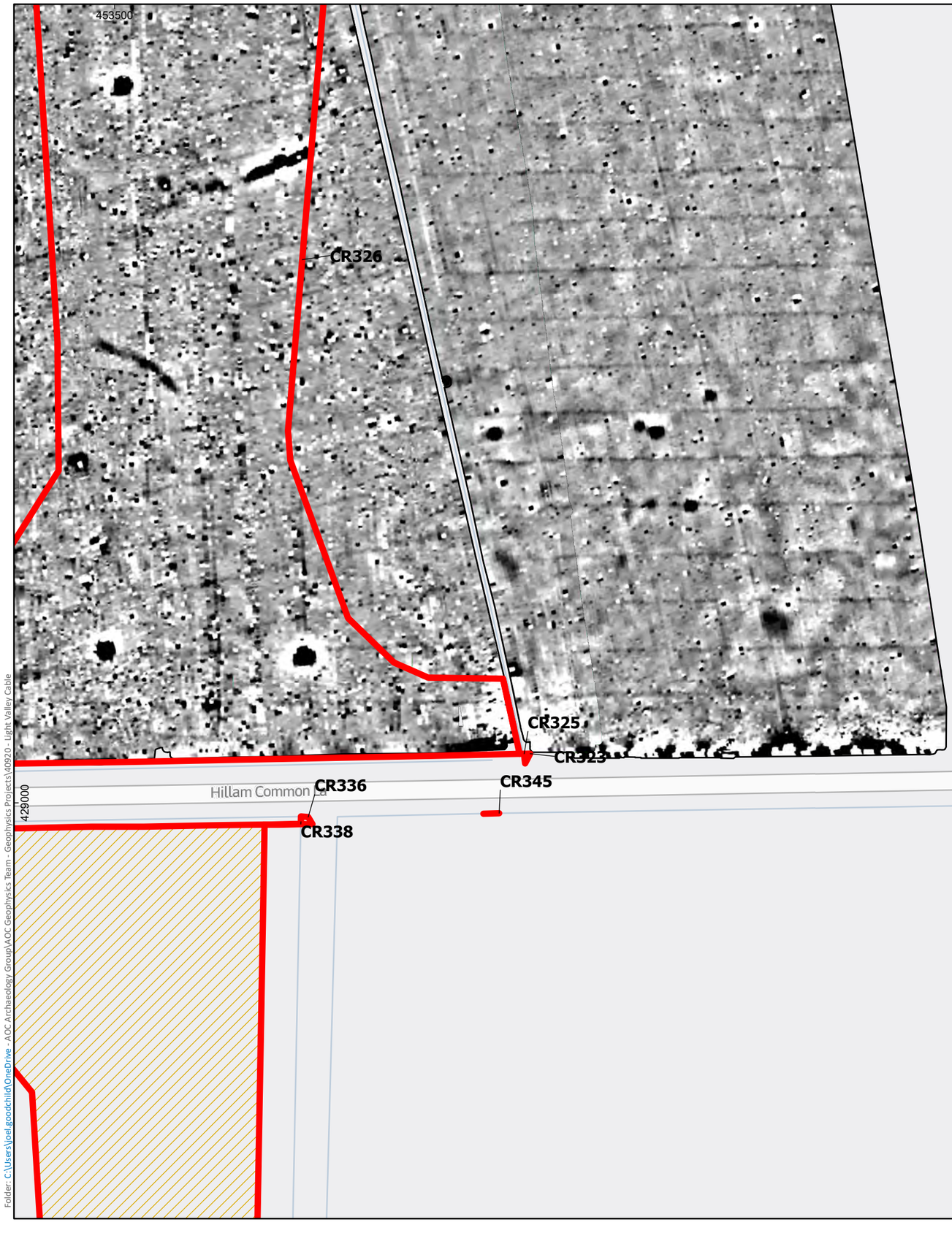
Red Line Boundary

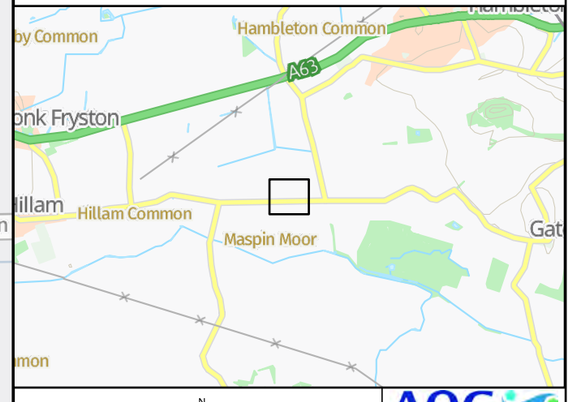
Status

No Access

2nT

-1nT





0 N 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	21/01/2026 18:34	Version:	1.0
Checked by:	CS	Date:	21/01/2026 18:34	Status:	DRAFT
Approved by:	CS	Date:	21/01/2026 18:34	AOC Project No:	40920

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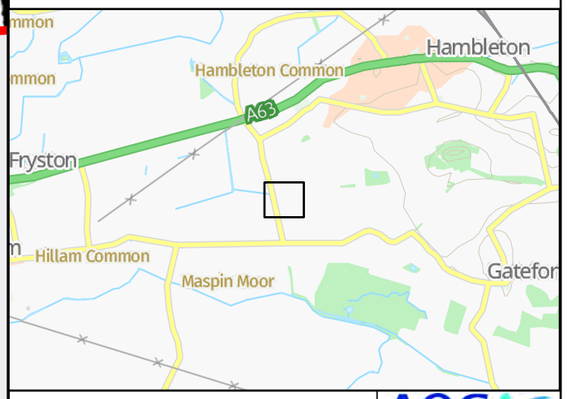
LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 5.33	Processed Gradiometer Data: Greyscale Image: CR324

Legend

Red Line Boundary





0 40 m

N

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System:	Coordinate System: British National Grid Projection: Transverse Mercator Datum: OSGB 1936	Scale:	1:1,250
		Page Size:	@ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	**JG**	Date:	**21/01/2026 18:34**	Version:	**1.0**
Checked by:	**CS**	Date:	**21/01/2026 18:34**	Status:	**DRAFT**
Approved by:	**CS**	Date:	**21/01/2026 18:34**	AOC Project No:	**40920**

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454000

429500

CR324

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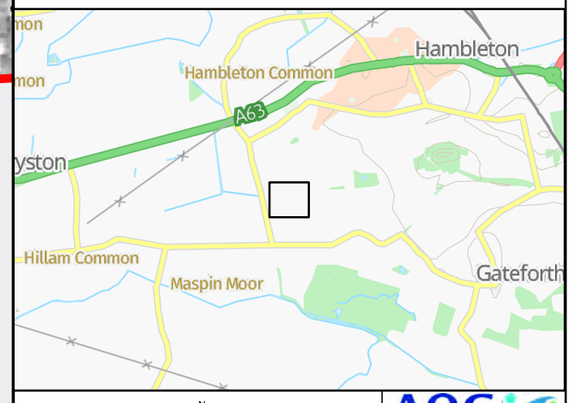
Figure 5.34	Processed Gradiometer Data: Greyscale Image: CR324

Legend

Red Line Boundary

2nT

-1nT



0 N 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	21/01/2026 18:34	Version:	1.0
Checked by:	CS	Date:	21/01/2026 18:34	Status:	DRAFT
Approved by:	CS	Date:	21/01/2026 18:34	AOC Project No:	40920

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Figure 5.35	Processed Gradiometer Data: Greyscale Image: CR324

454500

429500

CR324

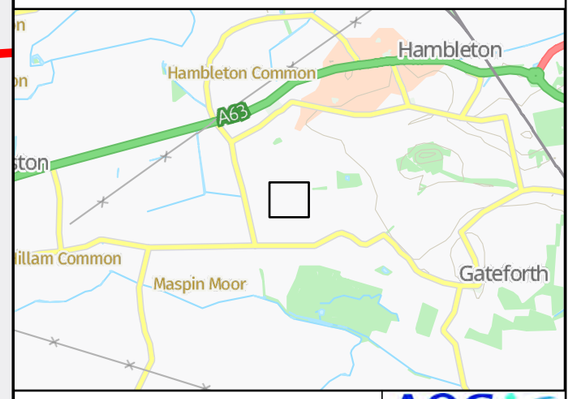
CR317

Legend

Red Line Boundary

2nT

-1nT



0 N 40 m

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System: Coordinate System: British National Grid Projection: Transverse Mercator Datum: OSGB 1936	Scale: 1:1,250 Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	21/01/2026 18:34	Version:	1.0
Checked by:	CS	Date:	21/01/2026 18:34	Status:	DRAFT
Approved by:	CS	Date:	21/01/2026 18:34	AOC Project No:	40920

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 5.36	Processed Gradiometer Data: Greyscale Image: CR324

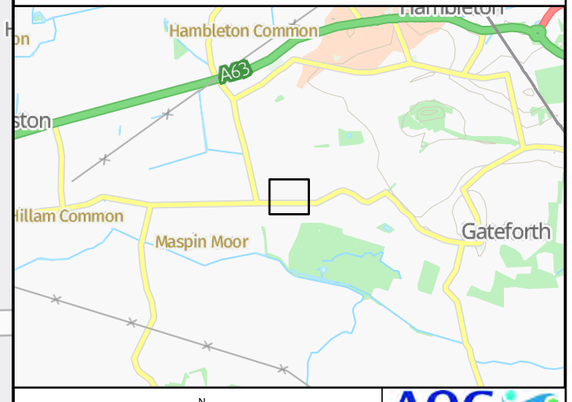
Legend

Red Line Boundary

2nT

-1nT





0 N 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	**JG**	Date:	**21/01/2026 18:34**	Version:	**1.0**
Checked by:	**CS**	Date:	**21/01/2026 18:34**	Status:	**DRAFT**
Approved by:	**CS**	Date:	**21/01/2026 18:34**	AOC Project No:	**40920**

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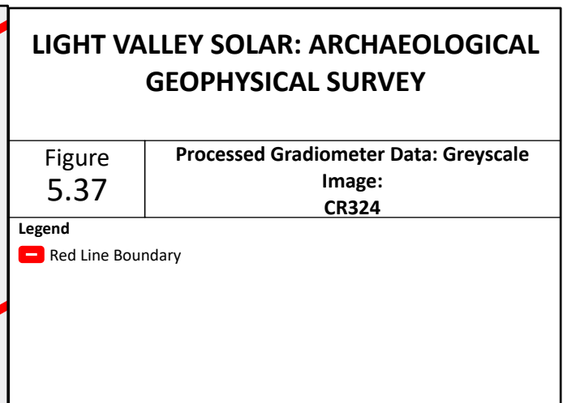
Figure 5.37	Processed Gradiometer Data: Greyscale Image: CR324

Legend

Red Line Boundary

2nT

-1nT



0 40 m

N

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System:	Coordinate System: British National Grid Projection: Transverse Mercator Datum: OSGB 1936	Scale: 1:1,250 Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	21/01/2026 18:34	Version:	1.0
Checked by:	CS	Date:	21/01/2026 18:34	Status:	DRAFT
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454500

CR317

CR324

CR344

Hillam Rd

Hagg House

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 5.38	Processed Gradiometer Data: Greyscale Image: CR230

Legend

Red Line Boundary

458500

Greenlands La

CR227

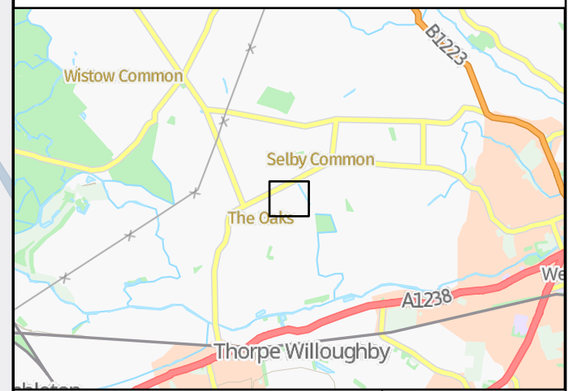
CR230

CR229

CR232

2nT

-1nT



0 N 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	21/01/2026 18:34	Version:	1.0
Checked by:	CS	Date:	21/01/2026 18:34	Status:	DRAFT
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 5.39	Processed Gradiometer Data: Greyscale Image: CR230

458500

433000

Greenlands La

CR227

CR230

CR229

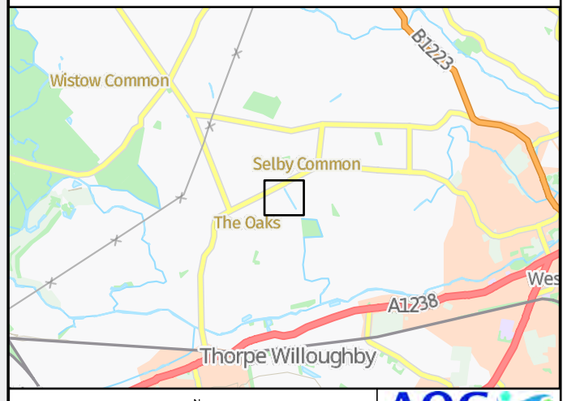
CR232

Legend

Red Line Boundary

2nT

-1nT



0 N 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	21/01/2026 18:34	Version:	1.0
Checked by:	CS	Date:	21/01/2026 18:34	Status:	DRAFT
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 5.40	Processed Gradiometer Data: Greyscale Image: CR172

Legend

Red Line Boundary

2nT

-1nT





0 N 40 m

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System:	Coordinate System: British National Grid Projection: Transverse Mercator Datum: OSGB 1936
Scale:	1:1,250
Page Size:	@ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	**JG**	Date:	**21/01/2026 18:34**	Version:	**1.0**
Checked by:	**CS**	Date:	**21/01/2026 18:34**	Status:	**DRAFT**
Approved by:	**CS**	Date:	**21/01/2026 18:34**	AOC Project No:	**40920**

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Figure 5.41	Processed Gradiometer Data: Greyscale Image: CR172

460000

434500

CR173

CR175

CR172

CR181

Wistow Road

Wistow Road

Wistow Road

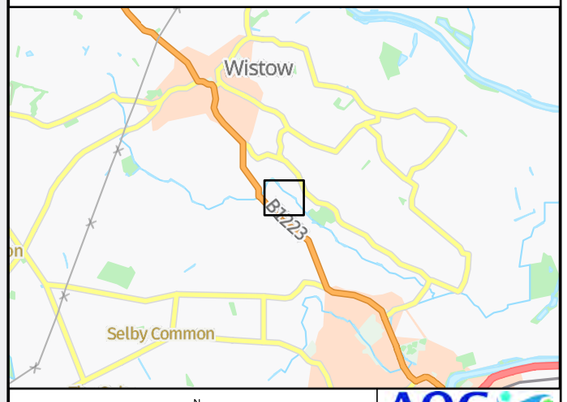
B1223

Legend

Red Line Boundary

2nT

-1nT



0 N 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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461000

435500

CR129

CR135

CR140

CR137

CR143

CR145

CR146

LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 5.42	Processed Gradiometer Data: Greyscale Image: CR136, CR129

Legend

Red Line Boundary

2nT

-1nT



N

0 40 m

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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Checked by:	CS	Date:	21/01/2026 18:34	Status:	DRAFT
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Figure 5.43	Processed Gradiometer Data: Greyscale Image: CR129

CR130

CR129

CR135

CR140

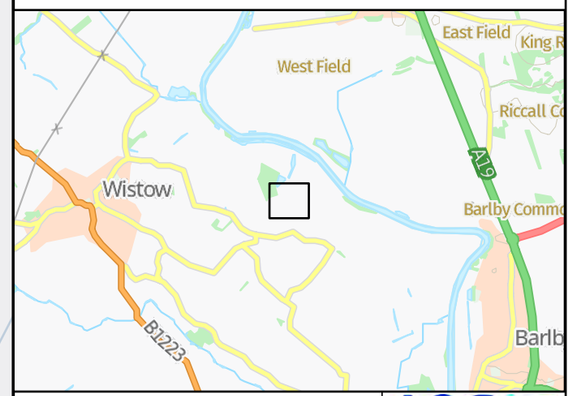
CR137

Legend

Red Line Boundary

2nT

-1nT



0 N 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	21/01/2026 18:34	Version:	1.0
Checked by:	CS	Date:	21/01/2026 18:34	Status:	DRAFT
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Figure 5.44	Processed Gradiometer Data: Greyscale Image: CR129

CR130

CR129

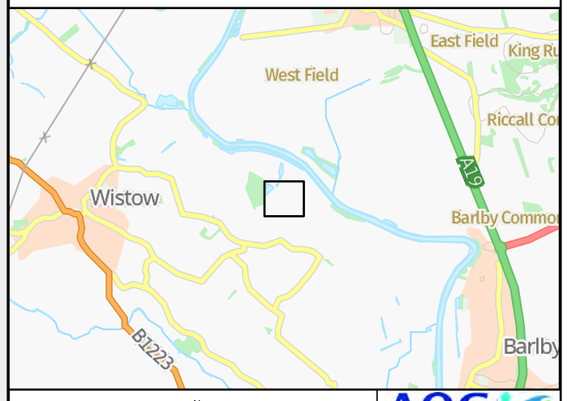
CR135

Legend

Red Line Boundary

2nT

-1nT



0 N 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	21/01/2026 18:34	Version:	1.0
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Approved by:	CS	Date:	21/01/2026 18:34	AOC Project No:	40920

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Figure 5.45	Processed Gradiometer Data: Greyscale Image: CR103

462000

437000

CR100

CR102

CR103

CR104

CR106

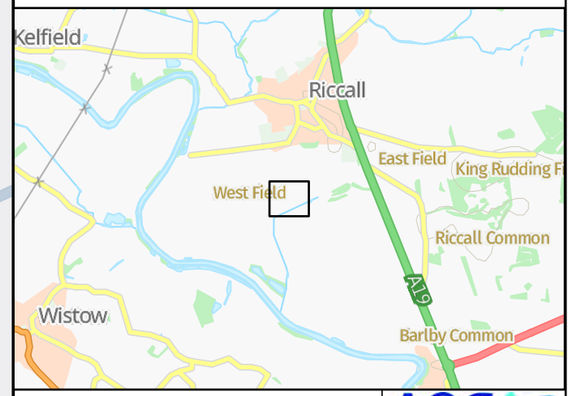
CR109

Legend

Red Line Boundary

2nT

-1nT



0 40 m

N

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	21/01/2026 18:34	Version:	1.0
Checked by:	CS	Date:	21/01/2026 18:34	Status:	DRAFT
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462500

Playing Field

Play Space

A19

A19

CR93

CR96

CR94

CR95

CR97

CR98

Checker La

Se

LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 5.46	Processed Gradiometer Data: Greyscale Image: CR98

Legend

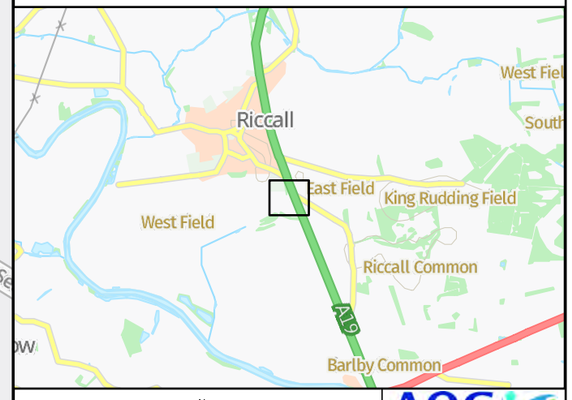
Red Line Boundary

Status

Unsuitable

2nT

-1nT



0 N 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	21/01/2026 18:34	Version:	1.0
Checked by:	CS	Date:	21/01/2026 18:34	Status:	DRAFT
Approved by:	CS	Date:	21/01/2026 18:34	AOC Project No:	40920

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462500

Main St

A19

CR96

CR94

CR95

CR97

CR98

A19

Selby Rd

LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 5.47	Processed Gradiometer Data: Greyscale Image: CR93, CR94, CR96

Legend

- Red Line Boundary

Status

- Outstanding
- Unsuitable

2nT

-1nT



0 40 m

N

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure	Processed Gradiometer Data: Greyscale Image: CR93, CR94, CR96
5.48	



Legend

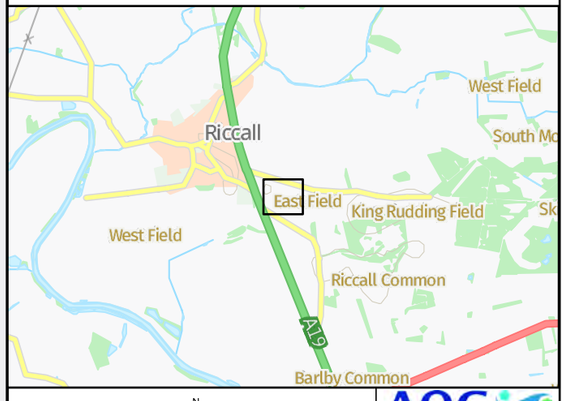
- Red Line Boundary

Status

- Outstanding
- Unsuitable

2nT

-1nT



0 N 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	**JG**	Date:	**21/01/2026 18:34**	Version:	**1.0**
Checked by:	**CS**	Date:	**21/01/2026 18:34**	Status:	**DRAFT**
Approved by:	**CS**	Date:	**21/01/2026 18:34**	AOC Project No:	**40920**

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 5.49	Processed Gradiometer Data: Greyscale Image: CR93, CR94, CR96

463000

437500

CR87

CR91

CR93

CR94

CR96

iding La

King Rudding La

East Field

Legend

Red Line Boundary

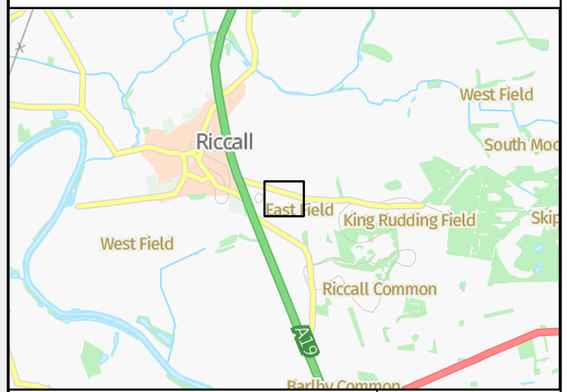
Status

Outstanding

Unsuitable

2nT

-1nT



0 N 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	21/01/2026 18:34	Version:	1.0
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Approved by:	CS	Date:	21/01/2026 18:34	AOC Project No:	40920

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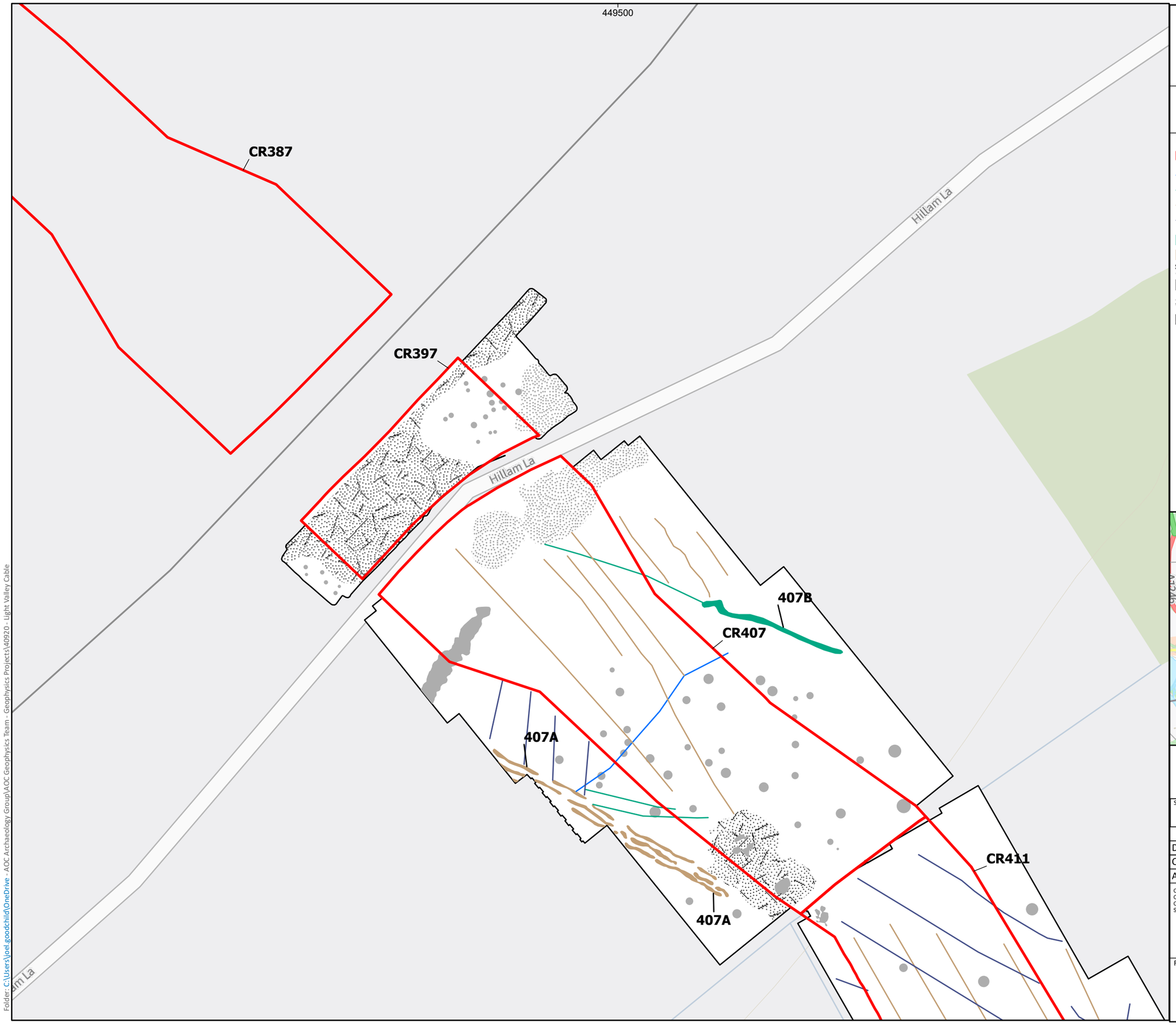
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.1

Interpretation of Gradiometer Data: CR397, CR407

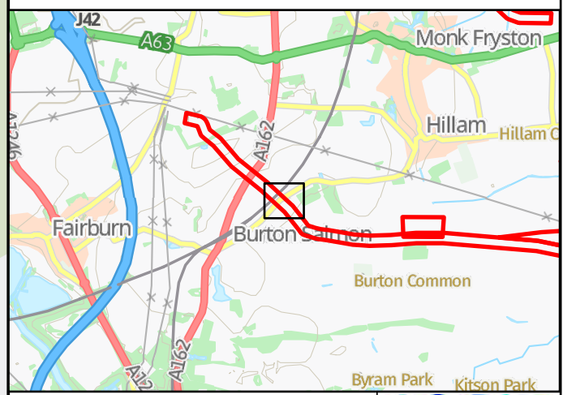


Legend

- Red Line Boundary
- Linear Trend (Historic Feature)
- Linear Trend (Unclear Origin)
- Linear Trend (Agricultural, Ridge and Furrow)
- Linear Trend (Drainage)
- Anomaly (Unclear Origin)
- Anomaly (Agricultural)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Spread (Ferrous/Iron Spike)
- Surveyed

2nT

-1nT



0 N 40 m

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Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	20/01/2026 19:24	Version:	1.0
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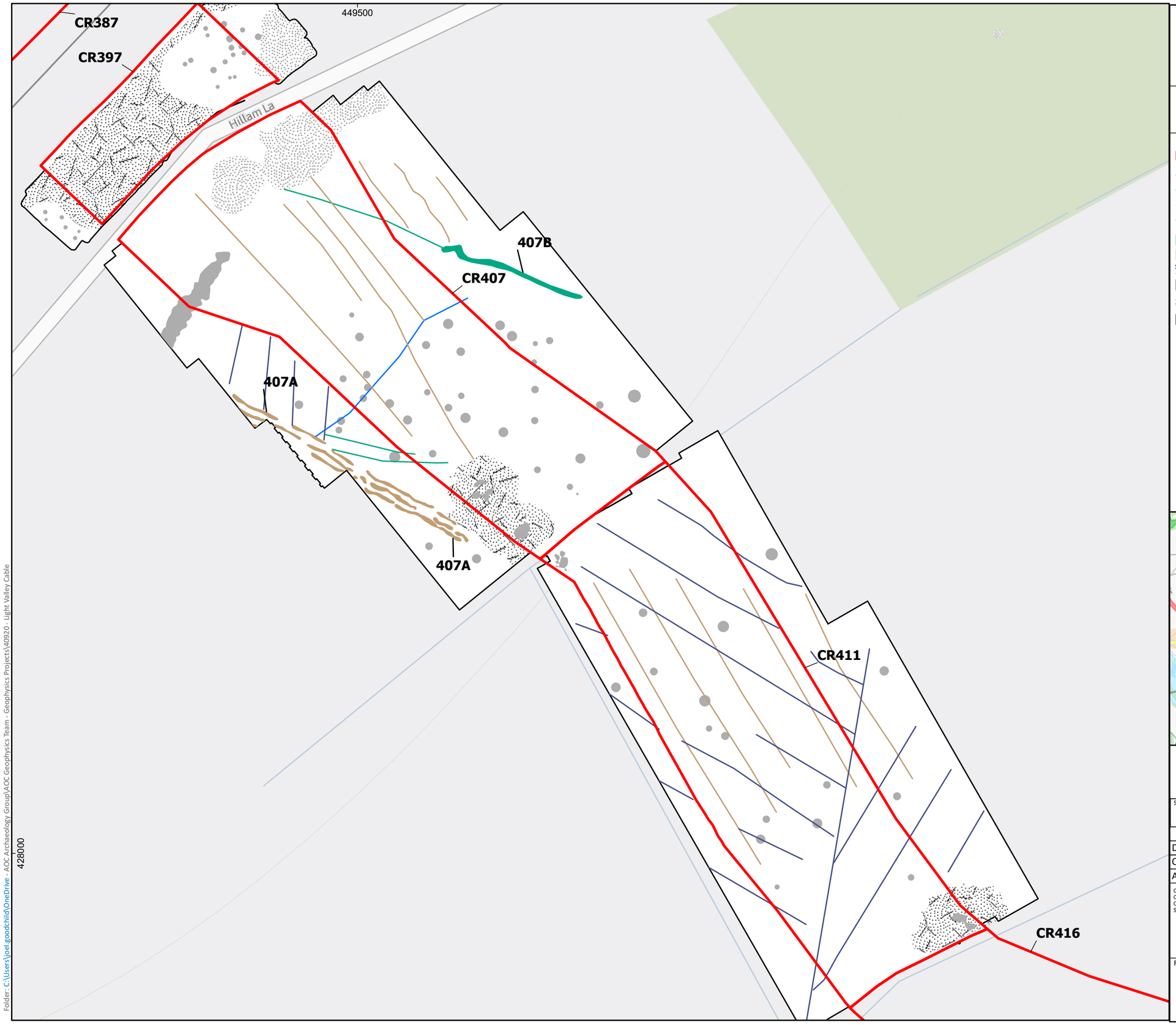
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.2

Interpretation of Gradiometer Data: CR397, CR407, CR411

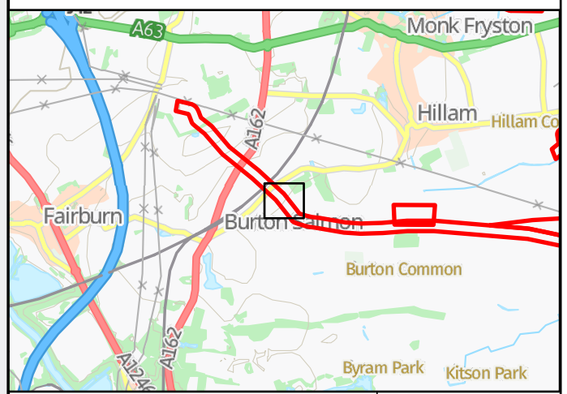


Legend

- Red Line Boundary
- Linear Trend (Historic Feature)
- Linear Trend (Unclear Origin)
- Linear Trend (Agricultural, Ridge and Furrow)
- Linear Trend (Drainage)
- Anomaly (Unclear Origin)
- Anomaly (Agricultural)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Spread (Ferrous/Iron Spike)
- Surveyed

2nT

-1nT



0 40 m

N

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System: Coordinate System: British National Grid
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Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

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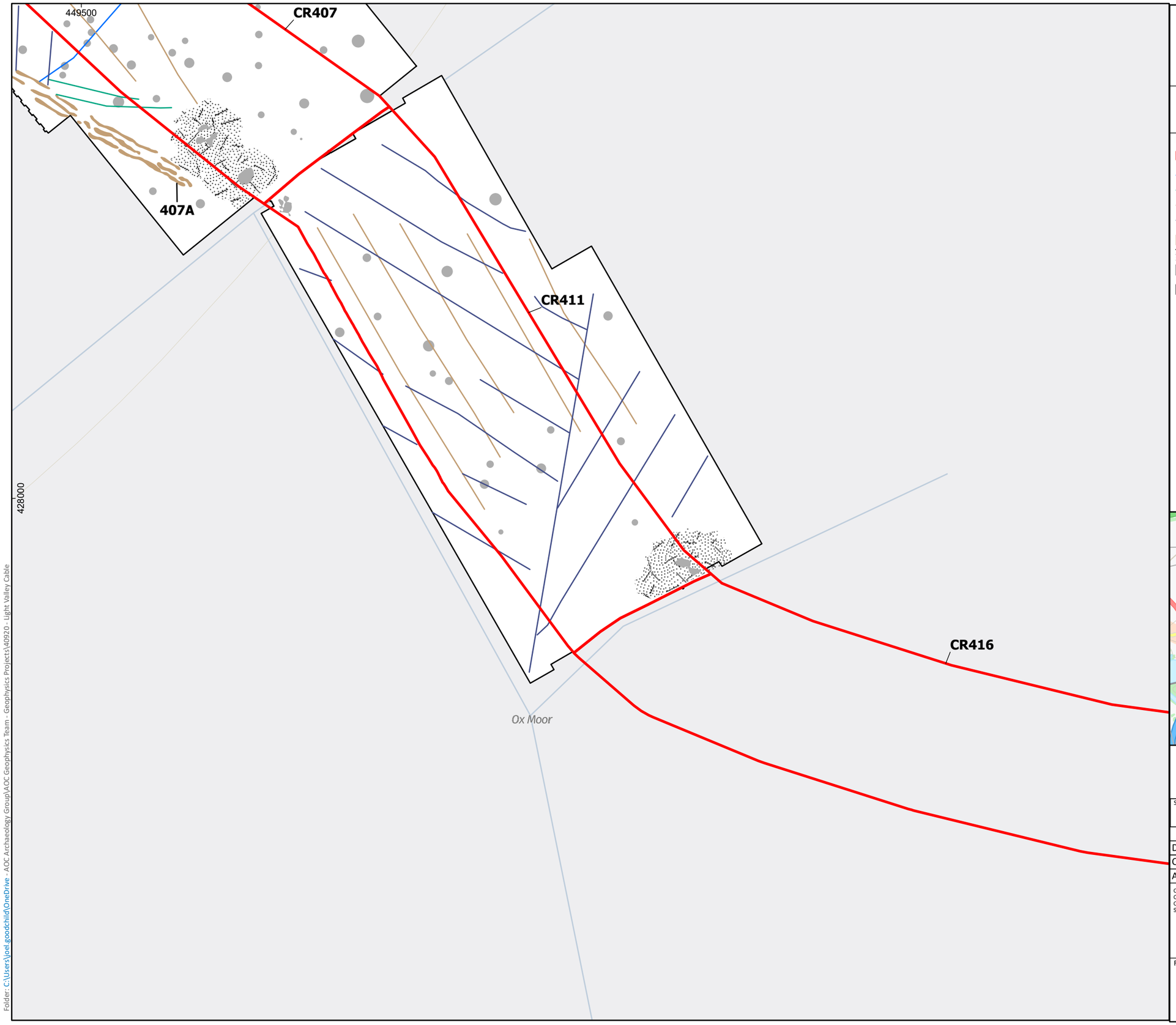
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.3

Interpretation of Gradiometer Data: CR407, CR411

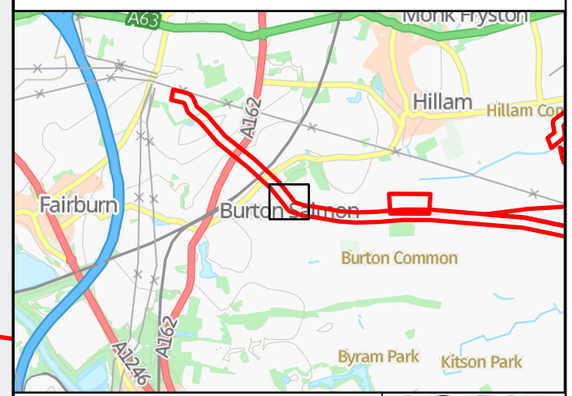


Legend

- Red Line Boundary
- Linear Trend (Historic Feature)
- Linear Trend (Unclear Origin)
- Linear Trend (Agricultural, Ridge and Furrow)
- Linear Trend (Drainage)
- Anomaly (Agricultural)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Surveyed

2nT

-1nT



0 N 40 m

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.4

Interpretation of Gradiometer Data: CR407, CR411

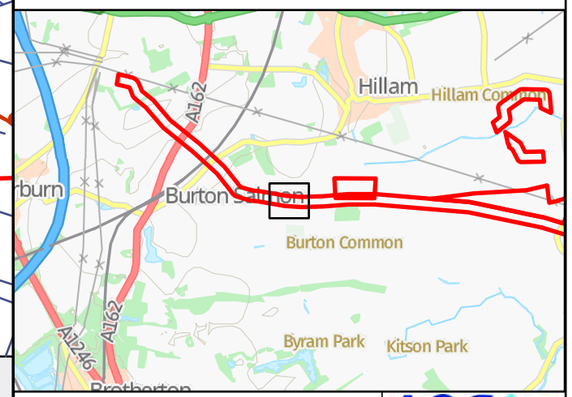
428000

CR416
CR412
412A
CR418
418B
418A
418A
418C

Legend

- Red Line Boundary
- Ferrous Anomalies/Iron Spike
- Linear Trend (Possible Archaeology)
- Linear Trend (Agricultural, Ploughing)
- Linear Trend (Agricultural, Ridge and Furrow)
- Linear Trend (Drainage)
- Anomaly (Probable Archaeology)
- Anomaly (Unclear Origin)
- Anomaly (Agricultural)
- Anomaly (Geology/Natural)
- Spread (Geology/Natural)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Surveyed
- Unsuitable

2nT
-1nT



0 N 40 m

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250
Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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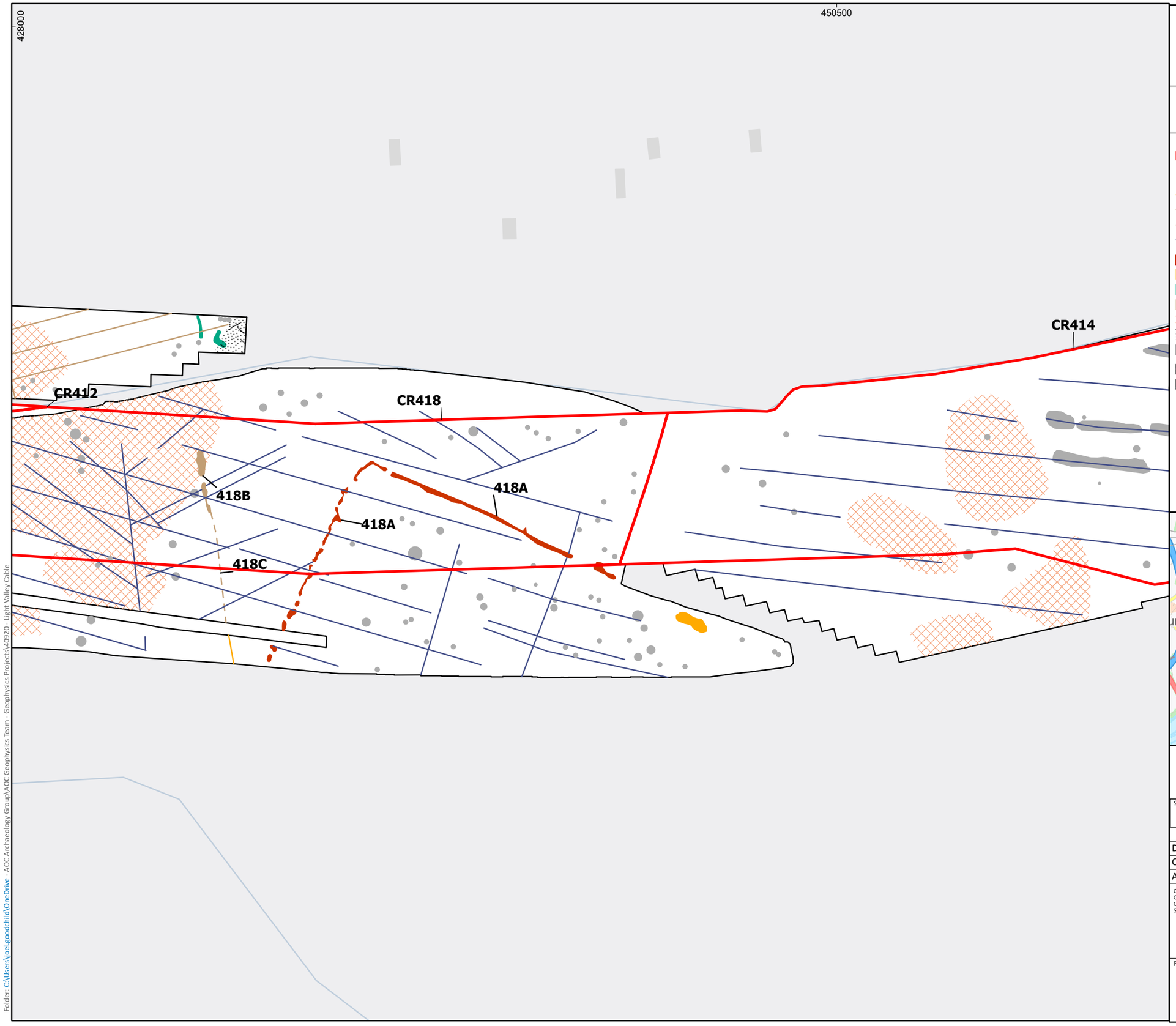
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.5

Interpretation of Gradiometer Data: CR418, CR414

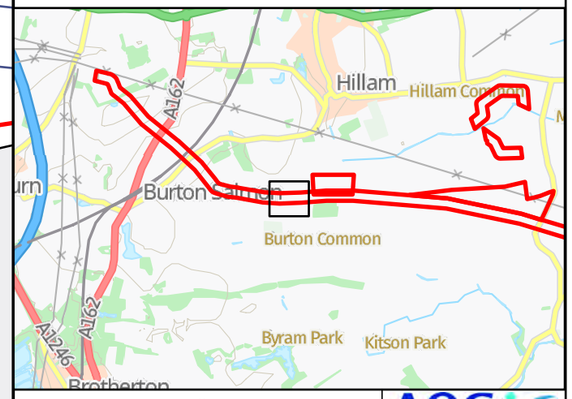


Legend

- Red Line Boundary
- Ferrous Anomalies/Iron Spike
- Linear Trend (Possible Archaeology)
- Linear Trend (Agricultural, Ploughing)
- Linear Trend (Agricultural, Ridge and Furrow)
- Linear Trend (Drainage)
- Anomaly (Probable Archaeology)
- Anomaly (Possible Archaeology)
- Anomaly (Unclear Origin)
- Anomaly (Agricultural)
- Spread (Geology/Natural)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Surveyed
- Unsuitable

2nT

-1nT



0 N 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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Checked by:	**CS**	Date:	**20/01/2026 19:24**	Status:	**DRAFT**
Approved by:	**CS**	Date:	**20/01/2026 19:24**	AOC Project No:	**40920**

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Figure 6.6	Interpretation of Gradiometer Data: CR418, CR414

450500

428000

CR413

CR414

CR418

418A

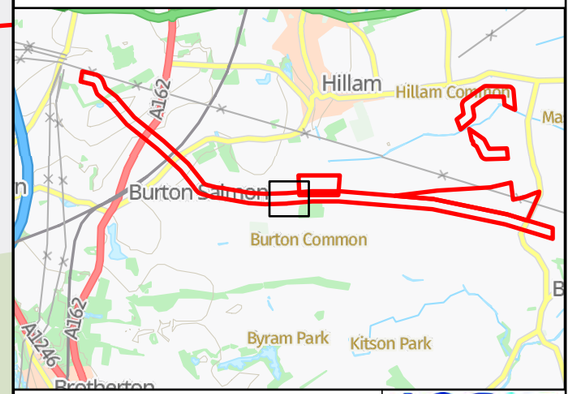
Fairfield La

Legend

- Red Line Boundary
- Ferrous Anomalies/Iron Spike
- Linear Trend (Drainage)
- Anomaly (Probable Archaeology)
- Anomaly (Possible Archaeology)
- Spread (Geology/Natural)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Surveyed
- Unsuitable

2nT

-1nT



0 N 40 m

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Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

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Figure 6.7

Interpretation of Gradiometer Data: CR250

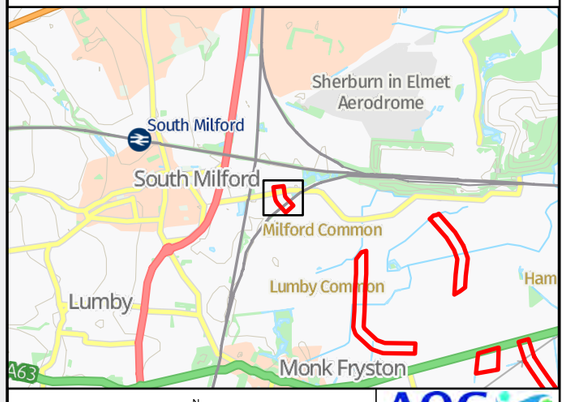


Legend

- Red Line Boundary
- Anomaly (Geology/Natural)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)

2nT

-1nT



0 N 40 m

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System:	Coordinate System: British National Grid Projection: Transverse Mercator Datum: OSGB 1936
Scale:	1:1,250
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Drawing Number: 05/40920/GEO/P8/

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Approved by:	**CS**	Date:	**20/01/2026 19:24**	AOC Project No:	**40920**

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451500

430500

CR461

CR466

CR467

CR464

LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.8

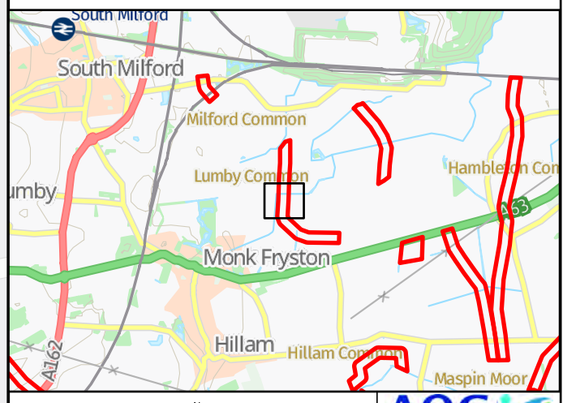
Interpretation of Gradiometer Data: CR466, CR467

Legend

- Red Line Boundary
- Ferrous Anomalies/Iron Spike
- Linear Trend (Agricultural, Ploughing)
- Linear Trend (Drainage)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Spread (Ferrous/Iron Spike)

2nT

-1nT



0 40 m

N

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	20/01/2026 19:24	Version:	1.0
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.9

Interpretation of Gradiometer Data: CR466, CR467, CR464

451600

CR467

CR466

CR464

464A

464C

464D

464B

464C

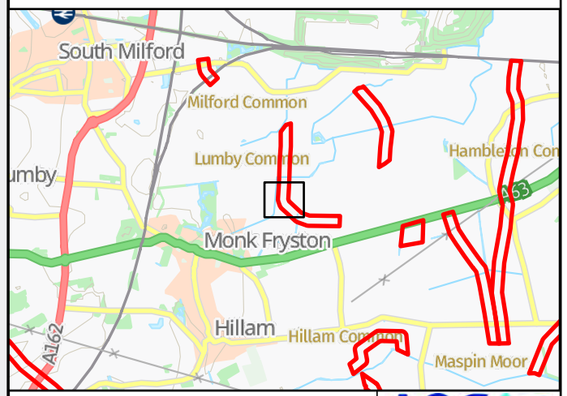
CR465

Legend

- Red Line Boundary
- Ferrous Anomalies/Iron Spike
- Linear Trend (Agricultural, Ploughing)
- Linear Trend (Agricultural, Ridge and Furrow)
- Linear Trend (Drainage)
- Anomaly (Possible Archaeology)
- Anomaly (Historic Feature)
- Anomaly (Agricultural)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Spread (Ferrous/Iron Spike)

2nT

-1nT



0 40 m

N

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	20/01/2026 19:24	Version:	1.0
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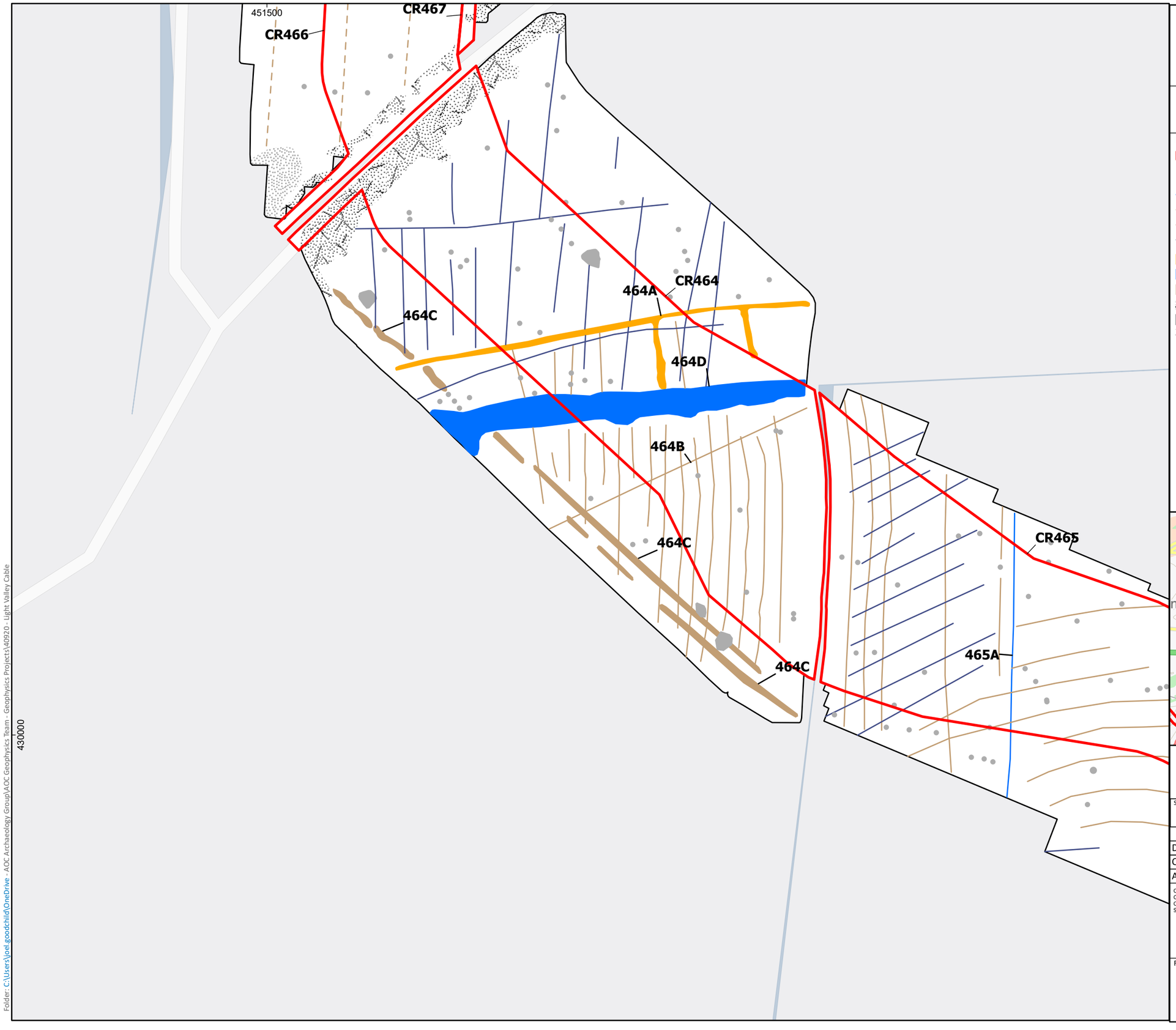
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.10

Interpretation of Gradiometer Data: CR464, CR465

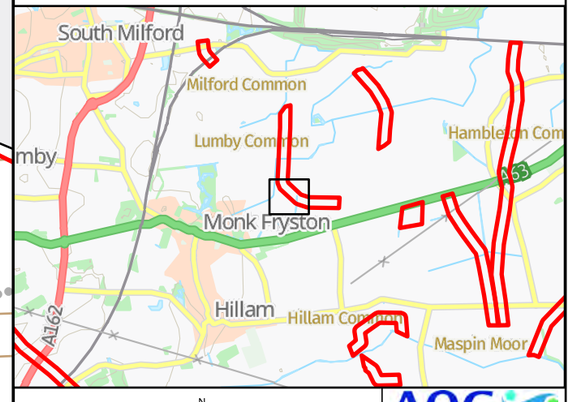


Legend

- Red Line Boundary
- Ferrous Anomalies/Iron Spike
- Linear Trend (Historic Feature)
- Linear Trend (Agricultural, Ploughing)
- Linear Trend (Agricultural, Ridge and Furrow)
- Linear Trend (Drainage)
- Anomaly (Possible Archaeology)
- Anomaly (Historic Feature)
- Anomaly (Agricultural)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Spread (Ferrous/Iron Spike)

2nT

-1nT



0 N 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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Checked by:	**CS**	Date:	**20/01/2026 19:24**	Status:	**DRAFT**
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.11

Interpretation of Gradiometer Data: CR465

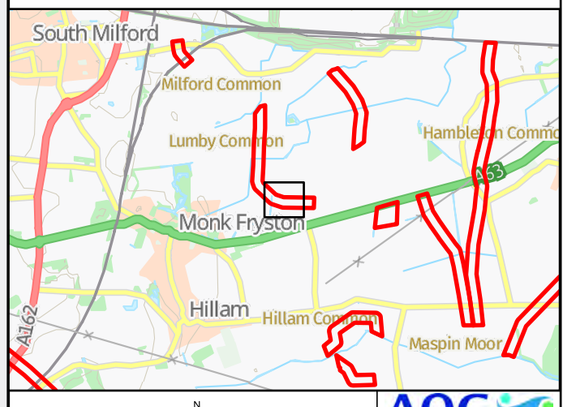


Legend

- Red Line Boundary
- Ferrous Anomalies/Iron Spike
- Linear Trend (Historic Feature)
- Linear Trend (Agricultural, Ridge and Furrow)
- Linear Trend (Drainage)
- Anomaly (Possible Archaeology)
- Anomaly (Historic Feature)
- Anomaly (Agricultural)
- Anomaly (Ferrous/Iron Spike)

2nT

-1nT



0 N 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

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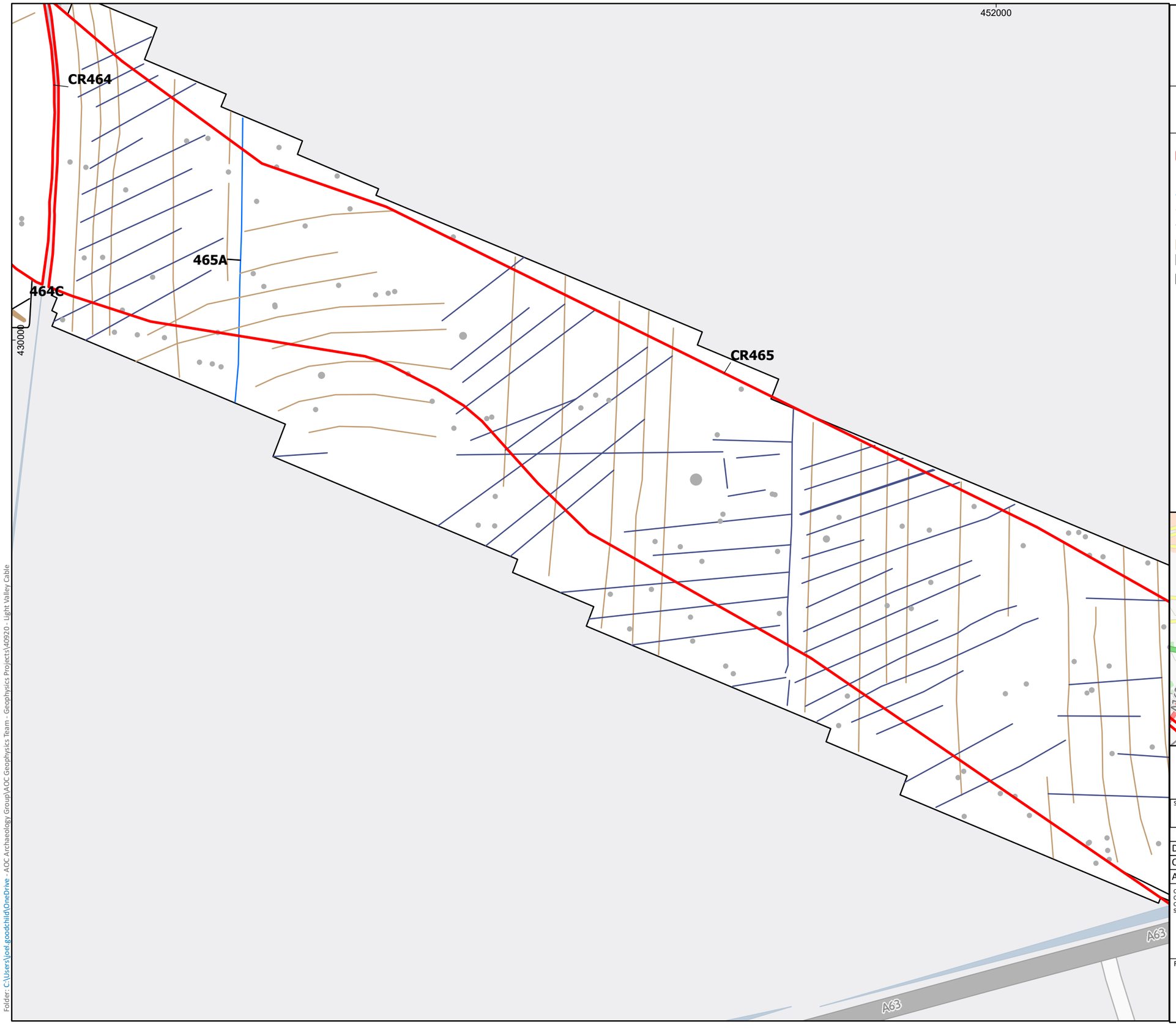
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.12

Interpretation of Gradiometer Data: CR465

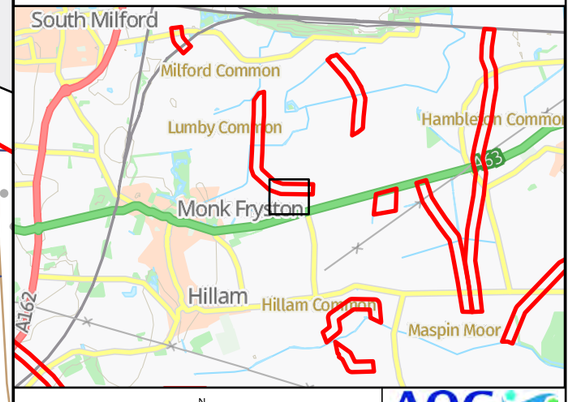


Legend

- Red Line Boundary
- Ferrous Anomalies/Iron Spike
- Linear Trend (Historic Feature)
- Linear Trend (Agricultural, Ridge and Furrow)
- Linear Trend (Drainage)
- Anomaly (Agricultural)
- Anomaly (Ferrous/Iron Spike)
- Unsuitable

2nT

-1nT



0 N 40 m

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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Approved by:	**CS**	Date:	**20/01/2026 19:24**	AOC Project No:	**40920**

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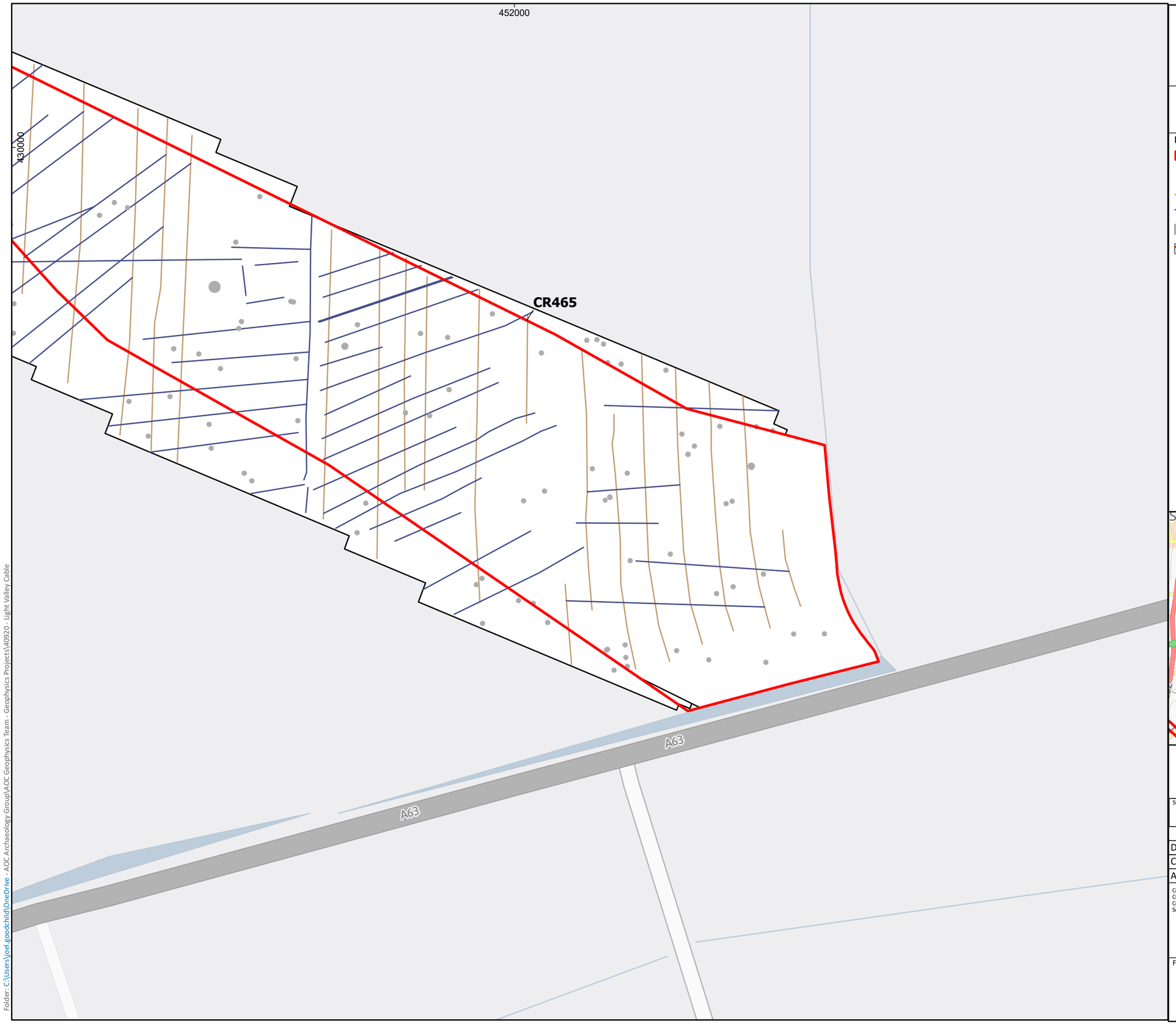
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.13	**Interpretation of Gradiometer Data: CR465**

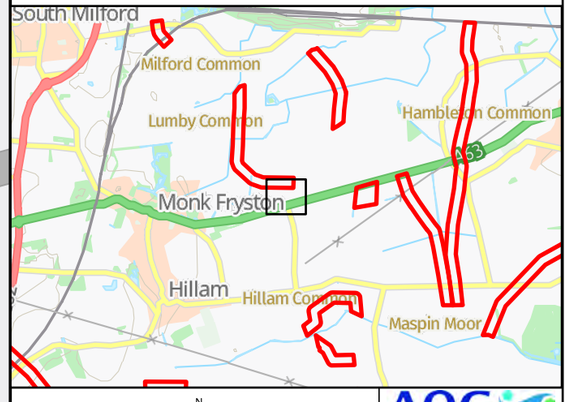


Legend

- Red Line Boundary
- Ferrous Anomalies/Iron Spike
- Linear Trend (Agricultural, Ridge and Furrow)
- Linear Trend (Drainage)
- Anomaly (Ferrous/Iron Spike)
- Unsuitable

2nT

-1nT



0 N 40 m

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Scale:	1:1,250
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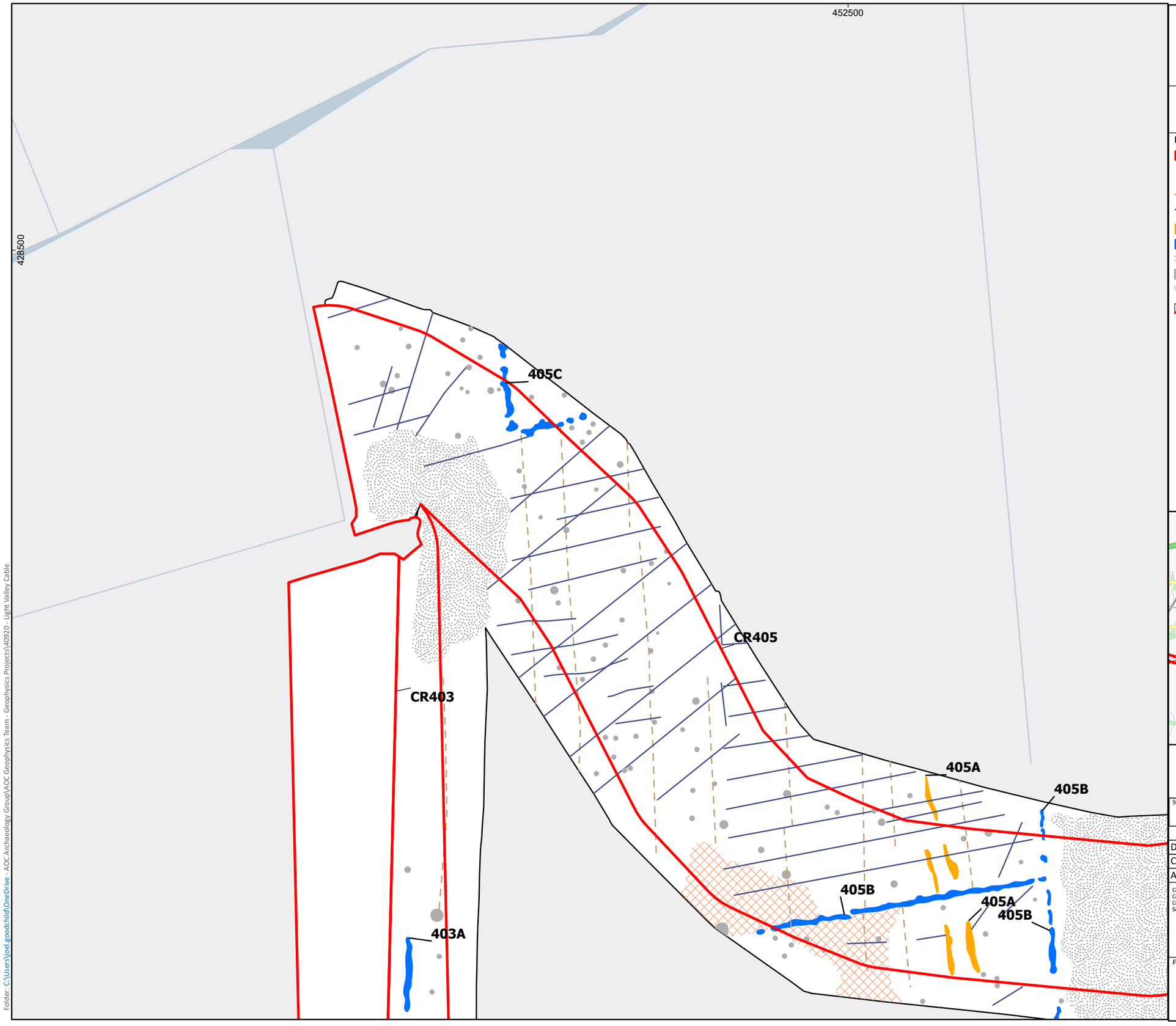
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.14

Interpretation of Gradiometer Data: CR403, CR405

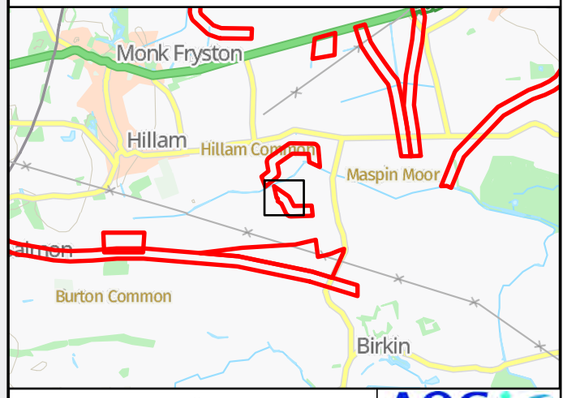


Legend

- Red Line Boundary
- Ferrous Anomalies/Iron Spike
- Linear Trend (Agricultural, Ploughing)
- Linear Trend (Drainage)
- Anomaly (Possible Archaeology)
- Anomaly (Historic Feature)
- Spread (Geology/Natural)
- Anomaly (Ferrous/Iron Spike)
- Spread (Ferrous/Iron Spike)
- Unsuitable

2nT

-1nT



0 40 m

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Scale:	1:1,250
Page Size:	@ A3

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452500

405C

CR405

405A

405B

405B

405A

405B

CR403

403A

403B

403B

LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.15

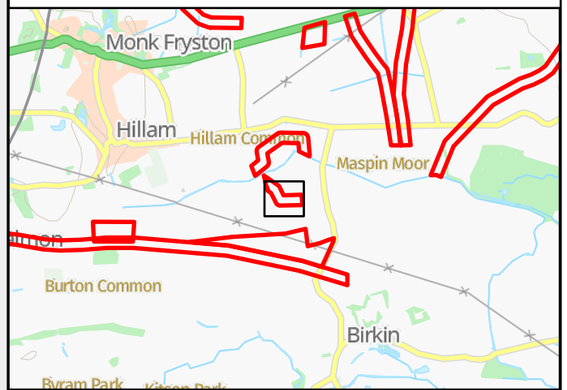
Interpretation of Gradiometer Data: CR405

Legend

- Red Line Boundary
- Ferrous Anomalies/Iron Spike
- Linear Trend (Agricultural, Ploughing)
- Linear Trend (Drainage)
- Anomaly (Possible Archaeology)
- Anomaly (Historic Feature)
- Spread (Geology/Natural)
- Anomaly (Ferrous/Iron Spike)
- Spread (Ferrous/Iron Spike)
- Unsuitable

2nT

-1nT



0 N 40 m

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Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

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452500

405A

405B

CR405

405B

405A

405B

LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.16

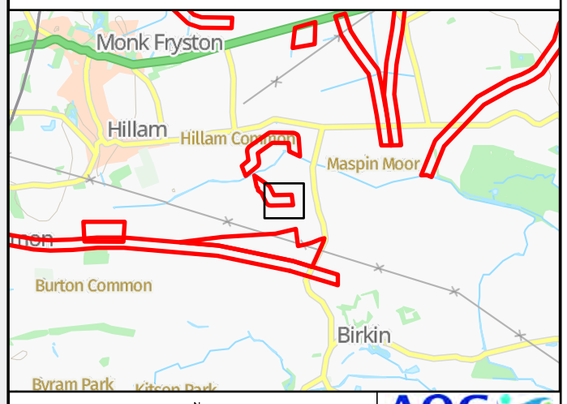
Interpretation of Gradiometer Data: CR405

Legend

- Red Line Boundary
- Ferrous Anomalies/Iron Spike
- Linear Trend (Agricultural, Ploughing)
- Linear Trend (Drainage)
- Anomaly (Possible Archaeology)
- Anomaly (Historic Feature)
- Spread (Geology/Natural)
- Anomaly (Ferrous/Iron Spike)
- Spread (Ferrous/Iron Spike)

2nT

-1nT



0 N 40 m

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Datum: OSGB 1936

Scale: 1:1,250

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.17

Interpretation of Gradiometer Data: CR403, CR405

452500

405C

CR405

405A

CR403

405B

403A

403B

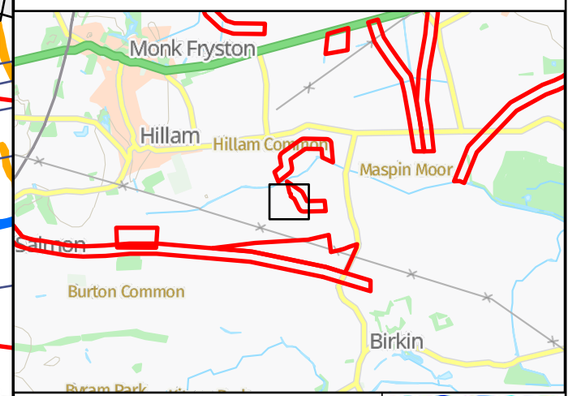
403B

Legend

- Red Line Boundary
- Ferrous Anomalies/Iron Spike
- Linear Trend (Agricultural, Ploughing)
- Linear Trend (Drainage)
- Anomaly (Possible Archaeology)
- Anomaly (Historic Feature)
- Spread (Geology/Natural)
- Anomaly (Ferrous/Iron Spike)
- Spread (Ferrous/Iron Spike)
- Unsuitable

2nT

-1nT



0 N 40 m

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Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

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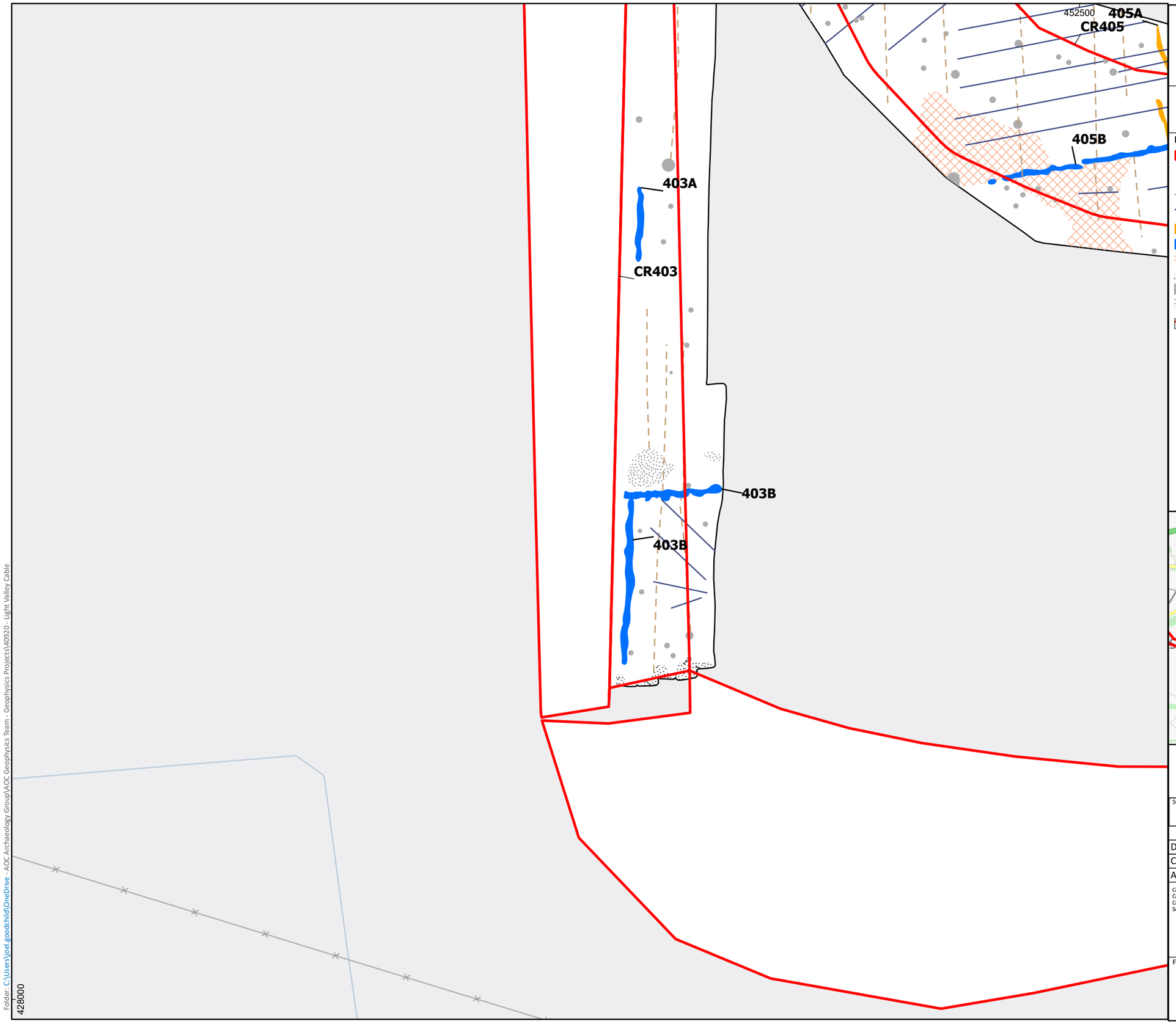
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.18

Interpretation of Gradiometer Data: CR403, CR405



Legend

- Red Line Boundary
- Ferrous Anomalies/Iron Spike
- Linear Trend (Agricultural, Ploughing)
- Linear Trend (Drainage)
- Anomaly (Possible Archaeology)
- Anomaly (Historic Feature)
- Spread (Geology/Natural)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Spread (Ferrous/Iron Spike)
- Unsuitable

2nT

-1nT



N

0 40 m

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

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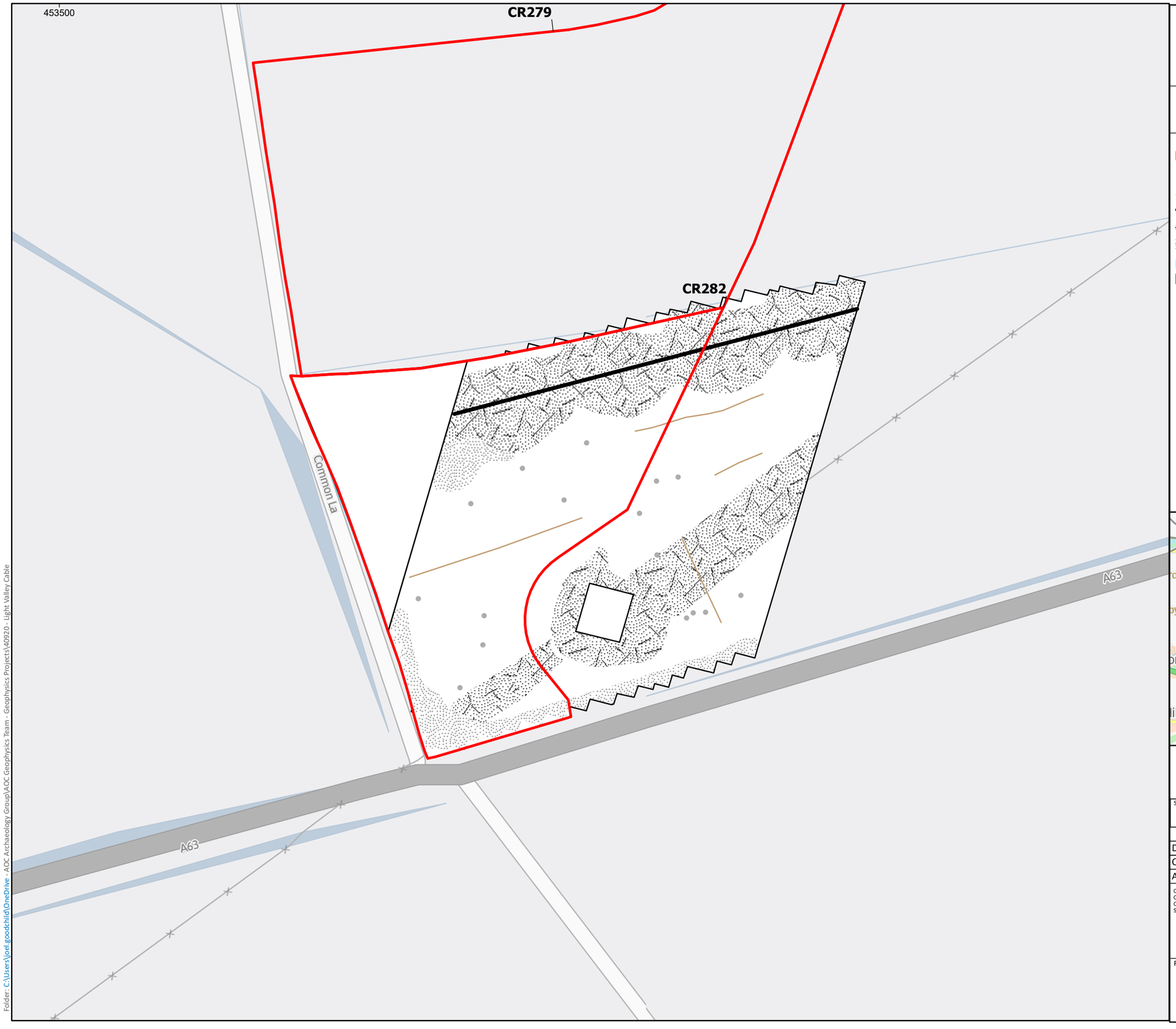
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.19

Interpretation of Gradiometer Data: CR282

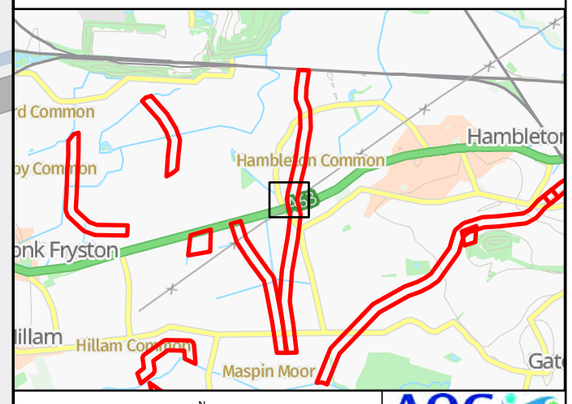


Legend

- Red Line Boundary
- Ferrous Anomalies/Iron Spike
- Linear Trend (Agricultural, Ridge and Furrow)
- Linear Trend (Service)
- Spread (Magnetic Disturbance)
- Spread (Ferrous/Iron Spike)
- Outstanding
- Unsuitable

2nT

-1nT



0 40 m

N

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Figure 6.20

Interpretation of Gradiometer Data: CR306

453000

CR297

CR306

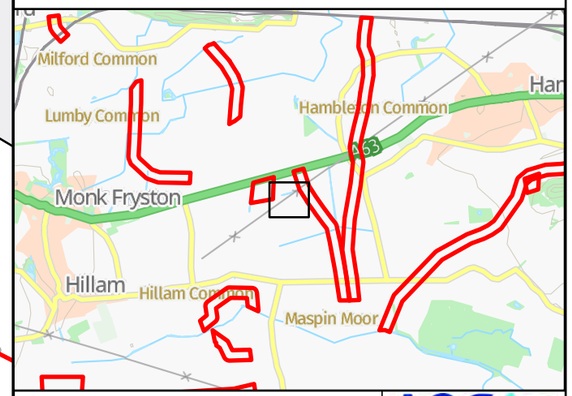
306A

Legend

- Red Line Boundary
- Ferrous Anomalies/Iron Spike
- Linear Trend (Historic Feature)
- Linear Trend (Unclear Origin)
- Linear Trend (Drainage)
- Linear Trend (Magnetic Distrubance)
- Anomaly (Historic Feature)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Unsuitable

2nT

-1nT



0 40 m

N

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.21

Interpretation of Gradiometer Data: CR306

CR297

CR306

306A

306A

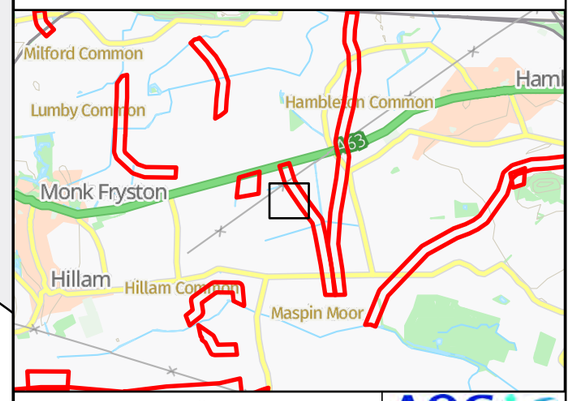
306A

Legend

- Red Line Boundary
- Ferrous Anomalies/Iron Spike
- Linear Trend (Historic Feature)
- Linear Trend (Unclear Origin)
- Linear Trend (Drainage)
- Linear Trend (Magnetic Distrubance)
- Anomaly (Historic Feature)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Spread (Ferrous/Iron Spike)
- Unsuitable

2nT

-1nT



0 N 40 m

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Datum: OSGB 1936

Scale: 1:1,250

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Figure 6.22

Interpretation of Gradiometer Data: CR306

306A

306A

306A

CR306

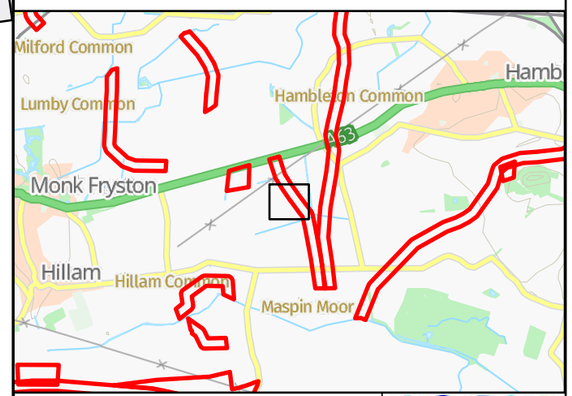
CR326

Legend

- Red Line Boundary
- Ferrous Anomalies/Iron Spike
- Linear Trend (Historic Feature)
- Linear Trend (Drainage)
- Linear Trend (Magnetic Distrubance)
- Anomaly (Historic Feature)
- Anomaly (Unclear Origin)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Spread (Ferrous/Iron Spike)

2nT

-1nT



0 N 40 m

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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Checked by:	**CS**	Date:	**20/01/2026 19:24**	Status:	**DRAFT**
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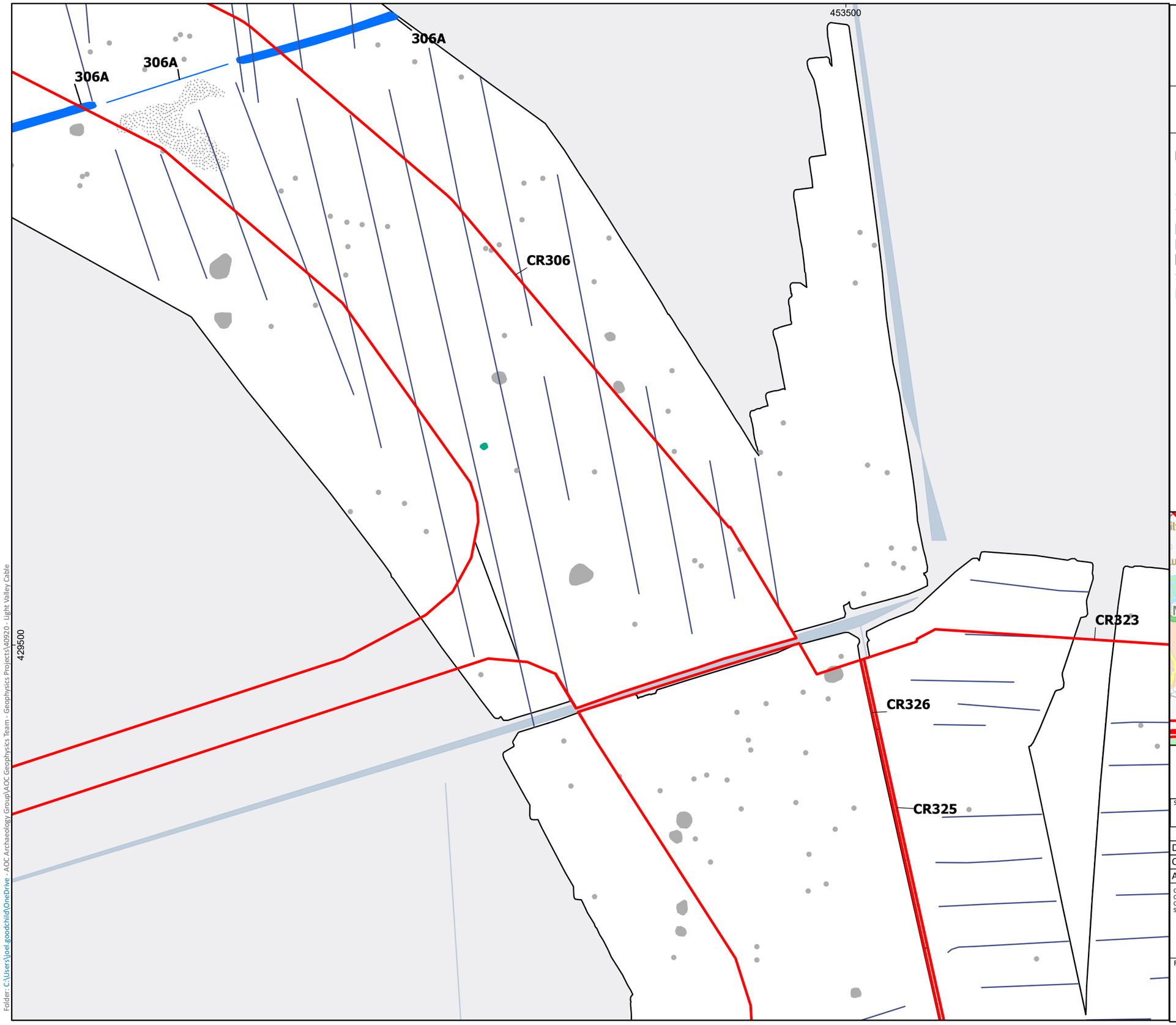
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.23

Interpretation of Gradiometer Data: CR306



Legend

- Red Line Boundary
- Ferrous Anomalies/Iron Spike
- Linear Trend (Historic Feature)
- Linear Trend (Drainage)
- Anomaly (Historic Feature)
- Anomaly (Unclear Origin)
- Anomaly (Ferrous/Iron Spike)
- Spread (Ferrous/Iron Spike)
- Outstanding

2nT

-1nT

0 N 40 m

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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Checked by:	CS	Date:	20/01/2026 19:24	Status:	DRAFT
Approved by:	CS	Date:	20/01/2026 19:24	AOC Project No:	40920

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.24

Interpretation of Gradiometer Data: CR306

453500

306A

CR306

CR326

CR325

CR323

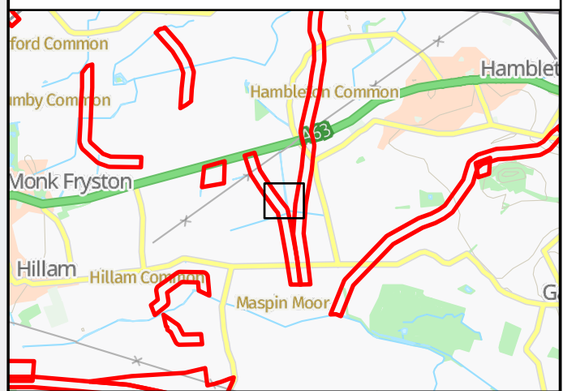
429500

Legend

- Red Line Boundary
- Ferrous Anomalies/Iron Spike
- Linear Trend (Drainage)
- Anomaly (Historic Feature)
- Anomaly (Unclear Origin)
- Anomaly (Ferrous/Iron Spike)
- Outstanding

2nT

-1nT



0 N 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	20/01/2026 19:24	Version:	1.0
Checked by:	CS	Date:	20/01/2026 19:24	Status:	DRAFT
Approved by:	CS	Date:	20/01/2026 19:24	AOC Project No:	40920

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.25

Interpretation of Gradiometer Data: CR323, CR325, CR326

453500

429500

CR306

CR323

CR326

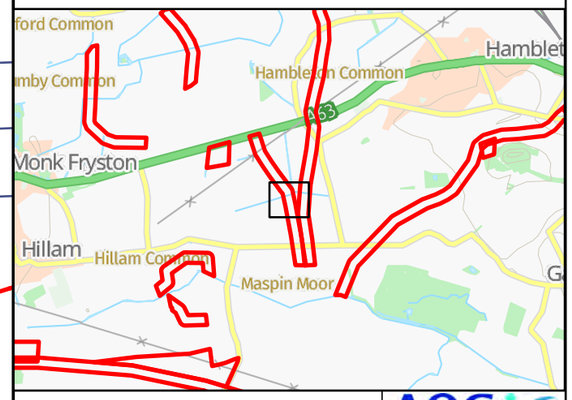
CR325

Legend

- Red Line Boundary
- Ferrous Anomalies/Iron Spike
- Linear Trend (Drainage)
- Anomaly (Unclear Origin)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Outstanding

2nT

-1nT



0 N 40 m

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	20/01/2026 19:24	Version:	1.0
Checked by:	CS	Date:	20/01/2026 19:24	Status:	DRAFT
Approved by:	CS	Date:	20/01/2026 19:24	AOC Project No:	40920

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.26

Interpretation of Gradiometer Data: CR323, CR325, CR326

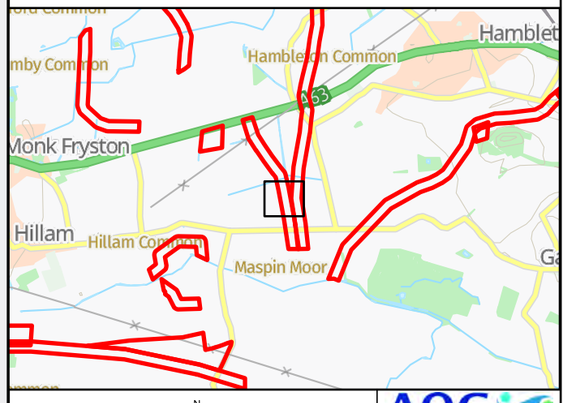


Legend

- Red Line Boundary
- Ferrous Anomalies/Iron Spike
- Linear Trend (Drainage)
- Anomaly (Unclear Origin)
- Spread (Geology/Natural)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Spread (Ferrous/Iron Spike)
- Outstanding

2nT

-1nT



0 N 40 m

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	20/01/2026 19:24	Version:	1.0
Checked by:	CS	Date:	20/01/2026 19:24	Status:	DRAFT
Approved by:	CS	Date:	20/01/2026 19:24	AOC Project No:	40920

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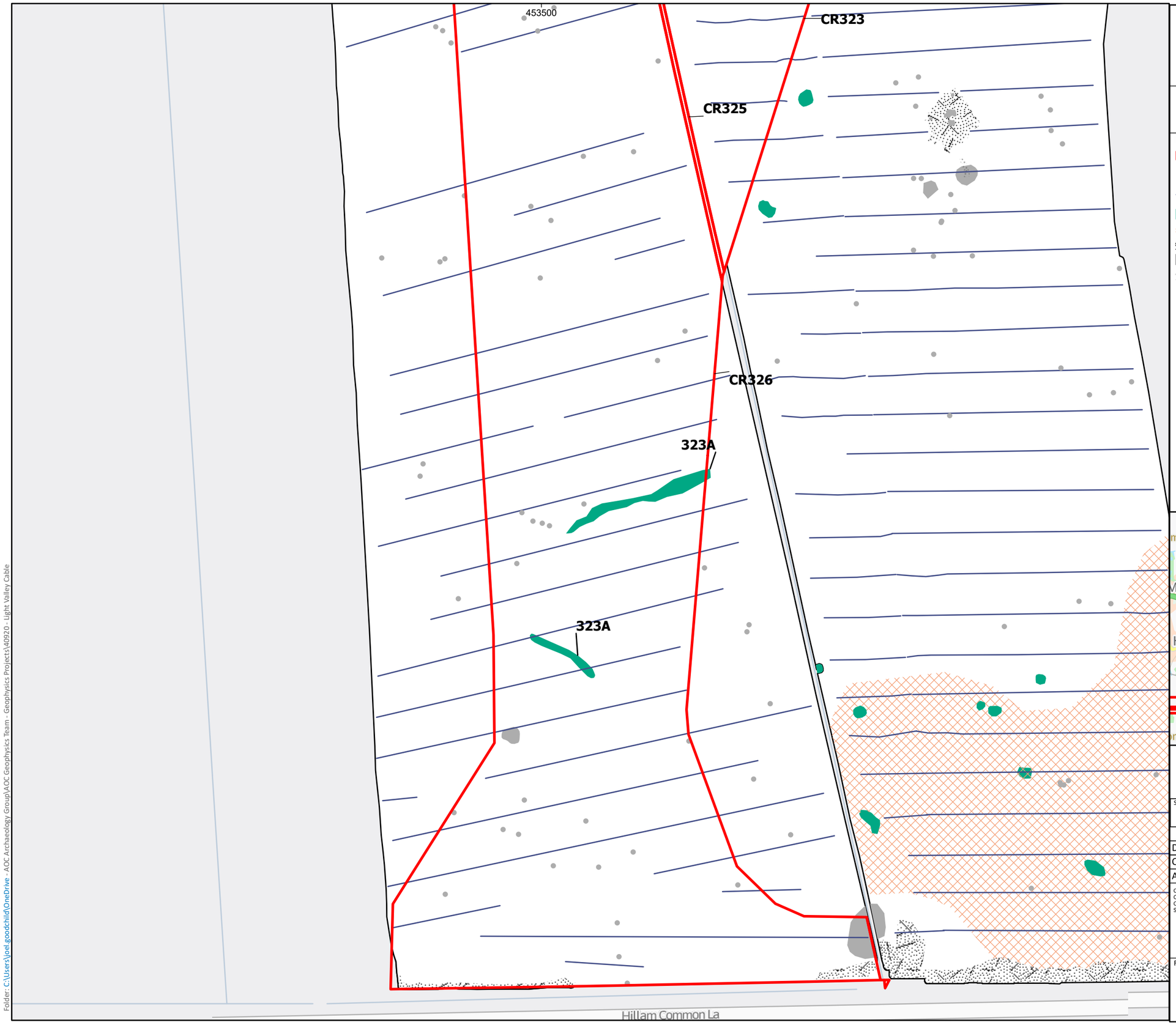
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.27

Interpretation of Gradiometer Data: CR323, CR325, CR326

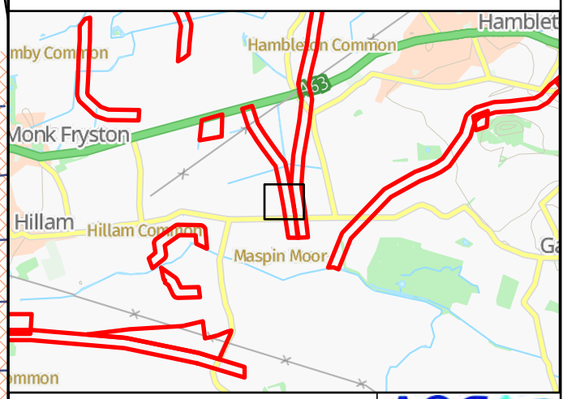


Legend

- Red Line Boundary
- Ferrous Anomalies/Iron Spike
- Linear Trend (Drainage)
- Anomaly (Unclear Origin)
- Spread (Geology/Natural)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Spread (Ferrous/Iron Spike)

2nT

-1nT



0 40 m

N

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Scale:	1:1,250
Page Size:	@ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	20/01/2026 19:24	Version:	1.0
Checked by:	CS	Date:	20/01/2026 19:24	Status:	DRAFT
Approved by:	CS	Date:	20/01/2026 19:24	AOC Project No:	40920

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.28

Interpretation of Gradiometer Data: CR323, CR325, CR326

453500

429000

323A

323A

CR326

CR323

CR325

CR345

CR336

CR338

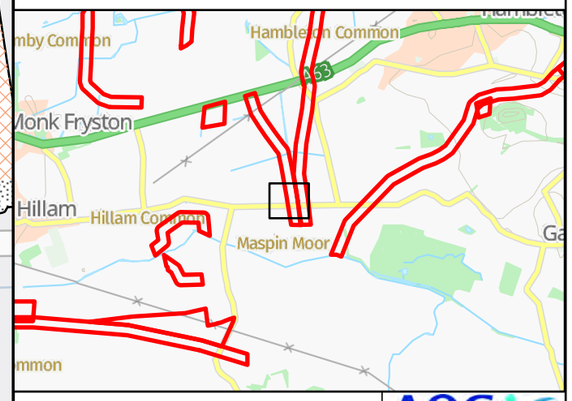
Hillam Common

Legend

- Red Line Boundary
- Ferrous Anomalies/Iron Spike
- Linear Trend (Drainage)
- Anomaly (Unclear Origin)
- Spread (Geology/Natural)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- No Access

2nT

-1nT



0 40 m

N

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.29

Interpretation of Gradiometer Data: CR323, CR325, CR326

453500

429500

CR306

CR323

CR322

CR316

CR326

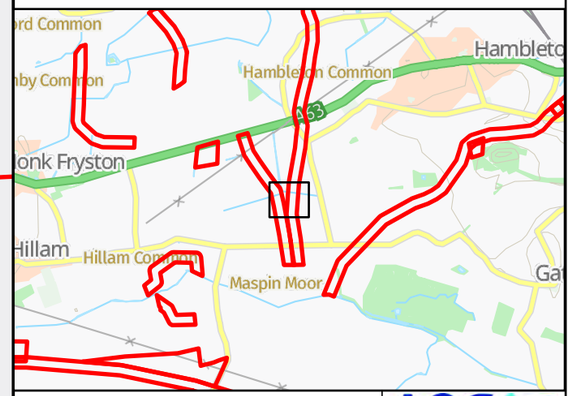
CR325

Legend

- Red Line Boundary
- Ferrous Anomalies/Iron Spike
- Linear Trend (Drainage)
- Anomaly (Unclear Origin)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Spread (Ferrous/Iron Spike)
- Outstanding

2nT

-1nT



0 40 m

N

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	20/01/2026 19:24	Version:	1.0
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.30

Interpretation of Gradiometer Data: CR323, CR325, CR326

453500

CR322

CR316

CR323

CR325

CR326

323A

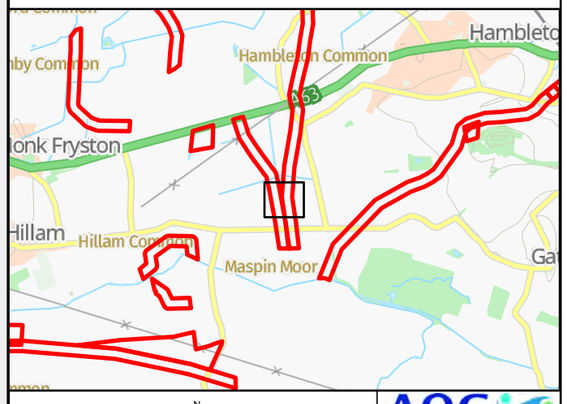
323A

Legend

- Red Line Boundary
- Ferrous Anomalies/Iron Spike
- Linear Trend (Drainage)
- Anomaly (Unclear Origin)
- Spread (Geology/Natural)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Spread (Ferrous/Iron Spike)
- Outstanding

2nT

-1nT



0 N 40 m

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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Checked by:	CS	Date:	20/01/2026 19:24	Status:	DRAFT
Approved by:	CS	Date:	20/01/2026 19:24	AOC Project No:	40920

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.31

Interpretation of Gradiometer Data: CR323, CR325, CR326

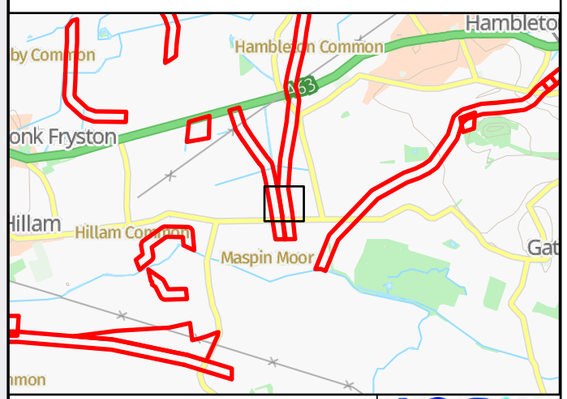


Legend

- Red Line Boundary
- Ferrous Anomalies/Iron Spike
- Linear Trend (Drainage)
- Anomaly (Unclear Origin)
- Spread (Geology/Natural)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Spread (Ferrous/Iron Spike)

2nT

-1nT



0 40 m

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	20/01/2026 19:24	Version:	1.0
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453500

323A

CR326

323A

CR323

CR325

CR345

Hillam Common

CR336

CR338

429000

LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.32

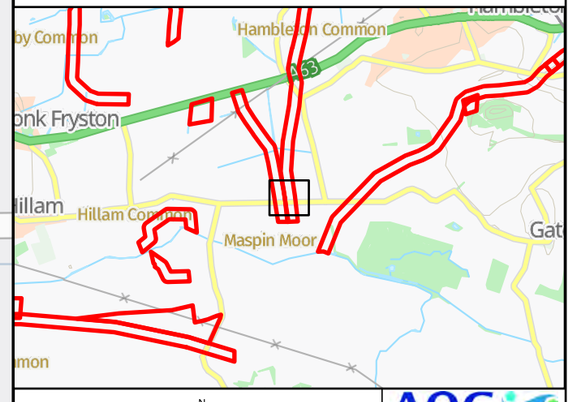
Interpretation of Gradiometer Data: CR323, CR325, CR326

Legend

- Red Line Boundary
- Ferrous Anomalies/Iron Spike
- Linear Trend (Drainage)
- Anomaly (Unclear Origin)
- Spread (Geology/Natural)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- No Access

2nT

-1nT



N

0 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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Checked by:	**CS**	Date:	**20/01/2026 19:24**	Status:	**DRAFT**
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.33

Interpretation of Gradiometer Data: CR324

454000

429500

CR322

CR324

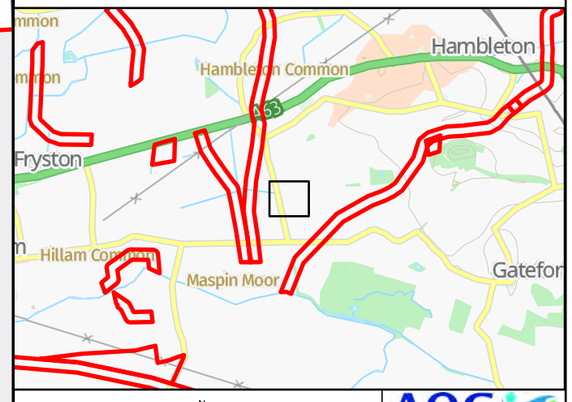
Fox La

Legend

- Red Line Boundary
- Linear Trend (Agricultural, Ploughing)
- Linear Trend (Drainage)
- Anomaly (Historic Feature)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)

2nT

-1nT



0 N 40 m

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	**JG**	Date:	**20/01/2026 19:24**	Version:	**1.0**
Checked by:	**CS**	Date:	**20/01/2026 19:24**	Status:	**DRAFT**
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.34

Interpretation of Gradiometer Data: CR324

454000

429500

CR324

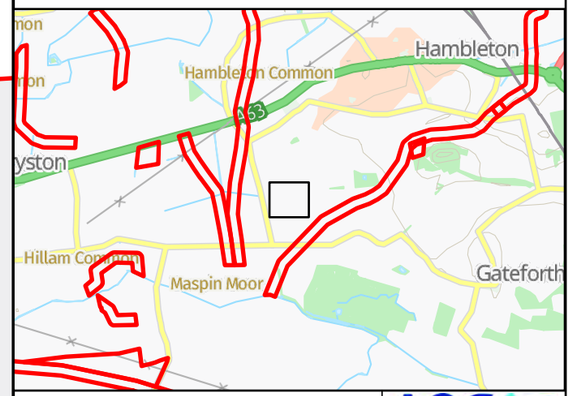
324B

Legend

- Red Line Boundary
- Linear Trend (Agricultural, Ploughing)
- Linear Trend (Drainage)
- Anomaly (Possible Archaeology)
- Anomaly (Historic Feature)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)

2nT

-1nT



0 N 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	**JG**	Date:	**20/01/2026 19:24**	Version:	**1.0**
Checked by:	**CS**	Date:	**20/01/2026 19:24**	Status:	**DRAFT**
Approved by:	**CS**	Date:	**20/01/2026 19:24**	AOC Project No:	**40920**

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454500

429500

CR317

CR324

324A

324B

324B

LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.35

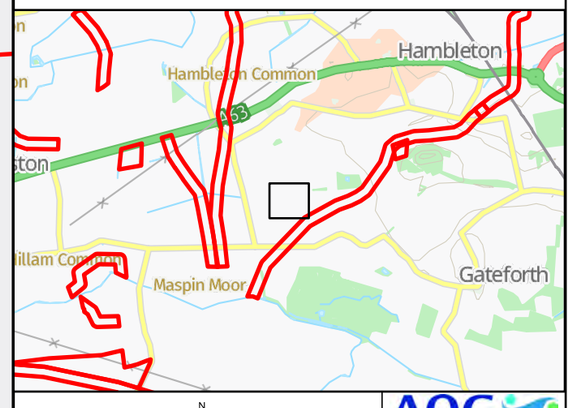
Interpretation of Gradiometer Data: CR324

Legend

- Red Line Boundary
- Linear Trend (Agricultural, Ploughing)
- Linear Trend (Drainage)
- Anomaly (Probable Archaeology)
- Anomaly (Possible Archaeology)
- Anomaly (Historic Feature)
- Anomaly (Ferrous/Iron Spike)

2nT

-1nT



0 N 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	**JG**	Date:	**20/01/2026 19:24**	Version:	**1.0**
Checked by:	**CS**	Date:	**20/01/2026 19:24**	Status:	**DRAFT**
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.36

Interpretation of Gradiometer Data: CR324

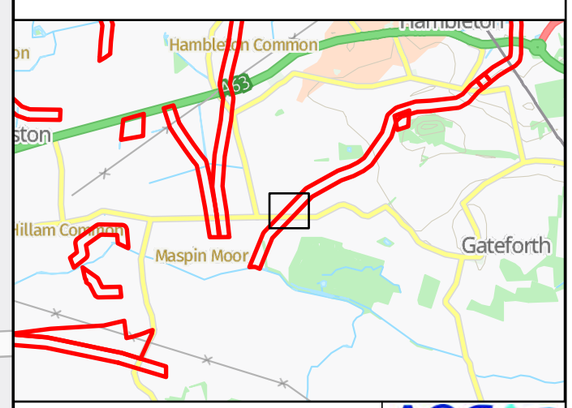


Legend

- Red Line Boundary
- Linear Trend (Possible Archaeology)
- Linear Trend (Agricultural, Ploughing)
- Linear Trend (Drainage)
- Anomaly (Possible Archaeology)
- Anomaly (Historic Feature)
- Anomaly (Geology/Natural)
- Spread (Geology/Natural)
- Anomaly (Ferrous/Iron Spike)

2nT

-1nT



0 N 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	20/01/2026 19:24	Version:	1.0
Checked by:	CS	Date:	20/01/2026 19:24	Status:	DRAFT
Approved by:	CS	Date:	20/01/2026 19:24	AOC Project No:	40920

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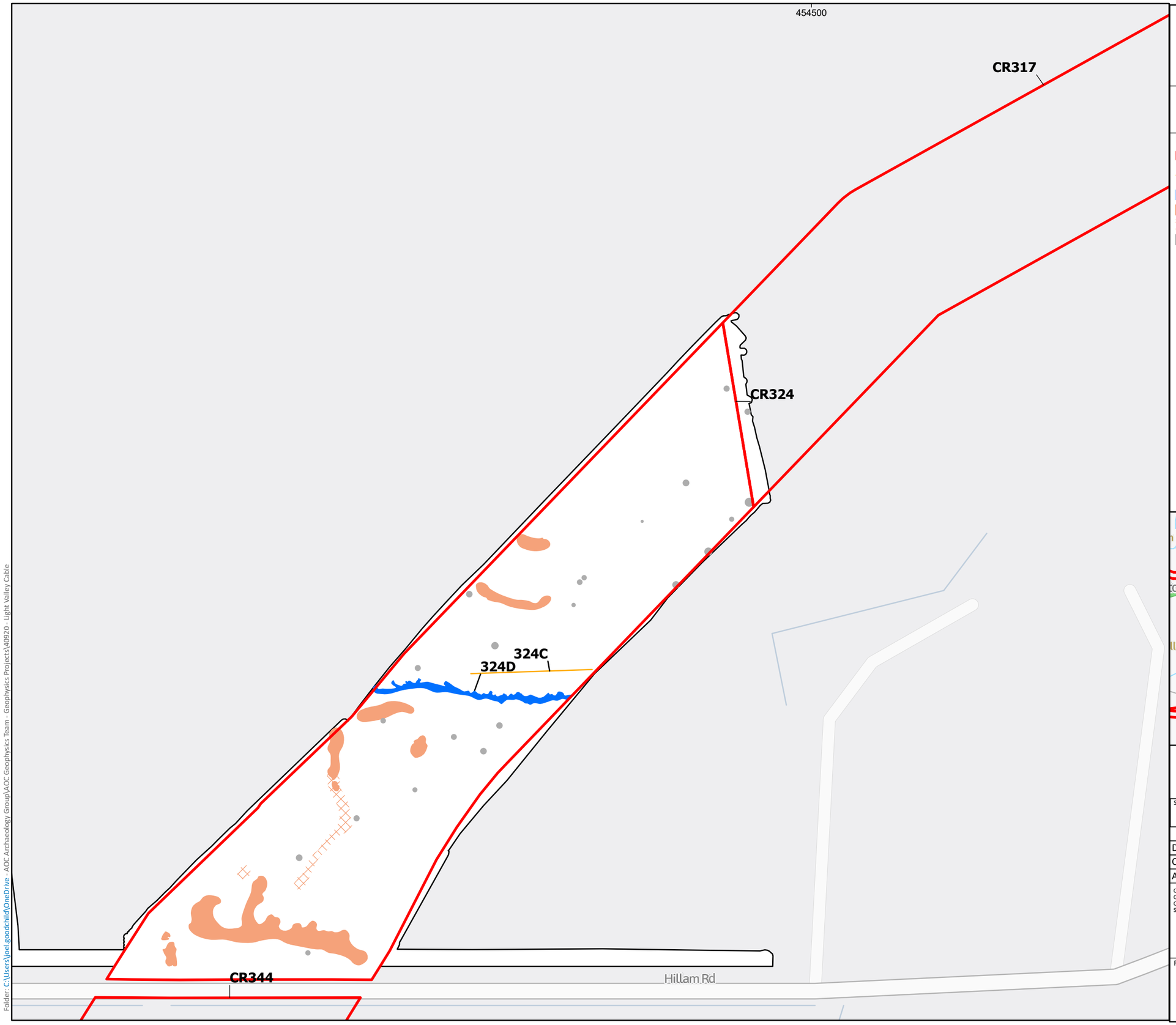
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.37

Interpretation of Gradiometer Data: CR324

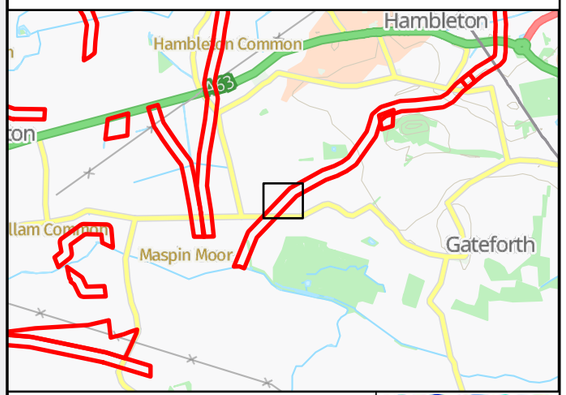


Legend

- Red Line Boundary
- Linear Trend (Possible Archaeology)
- Anomaly (Historic Feature)
- Anomaly (Geology/Natural)
- Spread (Geology/Natural)
- Anomaly (Ferrous/Iron Spike)

2nT

-1nT



N

0 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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Checked by:	CS	Date:	20/01/2026 19:24	Status:	DRAFT
Approved by:	CS	Date:	20/01/2026 19:24	AOC Project No:	40920

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.38

Interpretation of Gradiometer Data: CR230

458500

Greenlands La

CR227

CR230

CR229

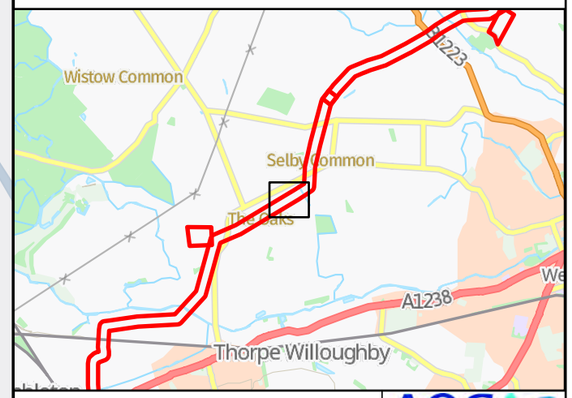
CR232

Legend

- Red Line Boundary
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)

2nT

-1nT



0 40 m

N

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Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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458500

433000

Greenlands La

CR227

CR230

CR229

CR232

LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.39

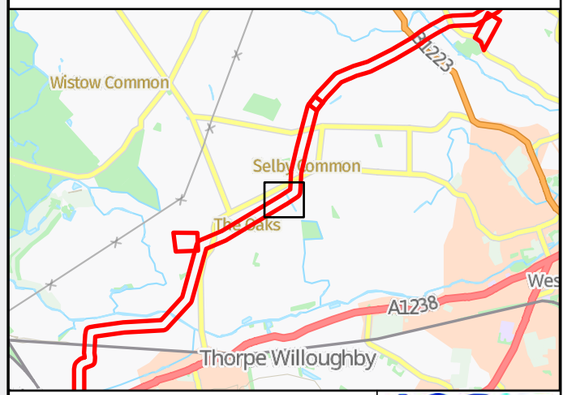
Interpretation of Gradiometer Data: CR230

Legend

- Red Line Boundary
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)

2nT

-1nT



0 N 40 m

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	**JG**	Date:	**20/01/2026 19:24**	Version:	**1.0**
Checked by:	**CS**	Date:	**20/01/2026 19:24**	Status:	**DRAFT**
Approved by:	**CS**	Date:	**20/01/2026 19:24**	AOC Project No:	**40920**

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.40

Interpretation of Gradiometer Data: CR172

460000

434500

Black Fen Drain

B1223

Wistow Road

CR173

CR175

CR172

CR181

172A

172B

172C

Legend

- Red Line Boundary
- Anomaly (Historic Feature)
- Anomaly (Agricultural)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Spread (Ferrous/Iron Spike)

2nT

-1nT



0 N 40 m

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.41

Interpretation of Gradiometer Data: CR172

460000

434500

CR173

CR175

CR172

CR181

172A

172B

172C

Wistow Road

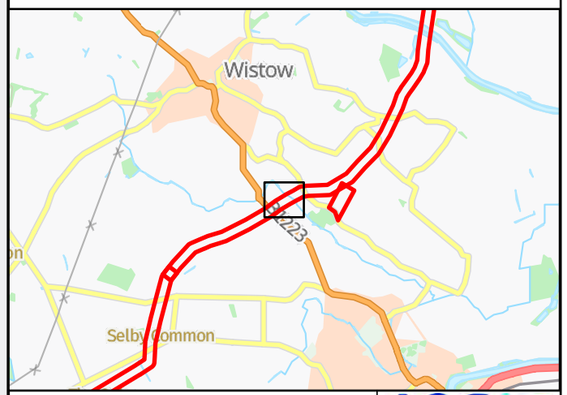
B1223

Legend

- Red Line Boundary
- Anomaly (Historic Feature)
- Anomaly (Agricultural)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Spread (Ferrous/Iron Spike)

2nT

-1nT



0 40 m N

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Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

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461000

435500

CR129

CR135

CR140

CR137

CR143

CR145

CR146

LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.42

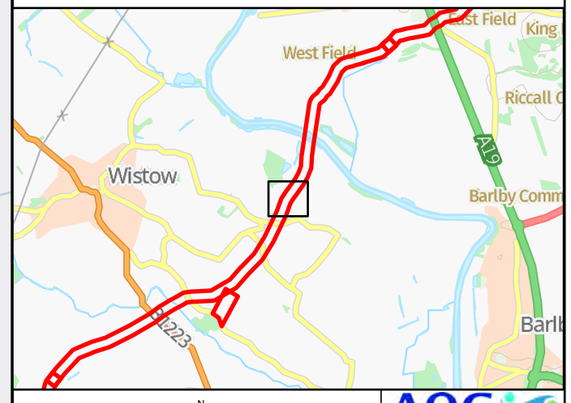
Interpretation of Gradiometer Data: CR136, CR129

Legend

- Red Line Boundary
- Ferrous Anomalies/Iron Spike
- Linear Trend (Drainage)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Spread (Ferrous/Iron Spike)

2nT

-1nT



0 N 40 m

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.43

Interpretation of Gradiometer Data: CR129

CR130

CR129

CR135

CR140

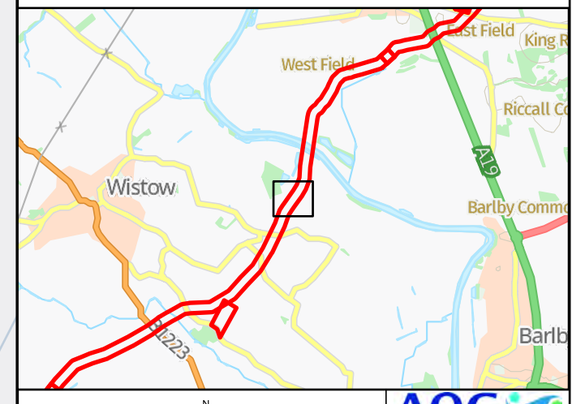
CR137

Legend

- Red Line Boundary
- Ferrous Anomalies/Iron Spike
- Linear Trend (Drainage)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Spread (Ferrous/Iron Spike)

2nT

-1nT



0 N 40 m

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.44

Interpretation of Gradiometer Data: CR129

CR130

CR129

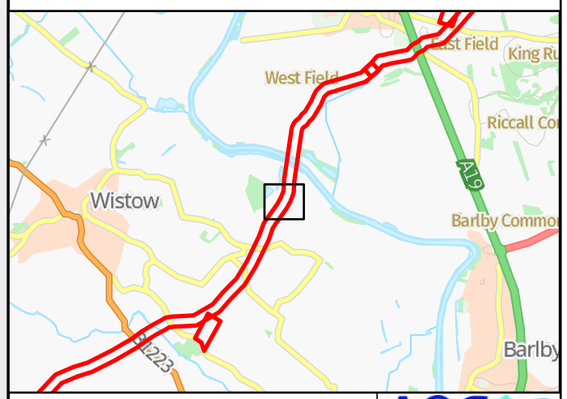
CR135

Legend

- Red Line Boundary
- Ferrous Anomalies/Iron Spike
- Linear Trend (Drainage)
- Anomaly (Ferrous/Iron Spike)
- Spread (Ferrous/Iron Spike)

2nT

-1nT



0 N 40 m

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Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

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Drawn by:	JG	Date:	20/01/2026 19:24	Version:	1.0
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.45

Interpretation of Gradiometer Data: CR103

462000

437000

CR100

CR102

CR103

CR104

CR106

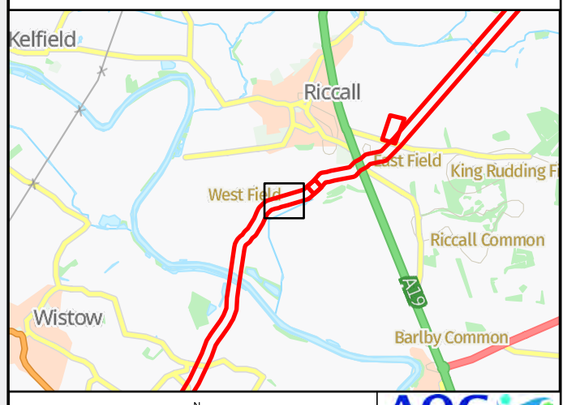
CR109

Legend

- Red Line Boundary
- Linear Trend (Drainage)
- Anomaly (Historic Feature)
- Spread (Magnetic Disturbance)
- Spread (Ferrous/Iron Spike)

2nT

-1nT



0 N 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	**JG**	Date:	**20/01/2026 19:24**	Version:	**1.0**
Checked by:	**CS**	Date:	**20/01/2026 19:24**	Status:	**DRAFT**
Approved by:	**CS**	Date:	**20/01/2026 19:24**	AOC Project No:	**40920**

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.46

Interpretation of Gradiometer Data: CR98

462500

CR93

CR96

CR94

CR95

CR97

CR98

A19

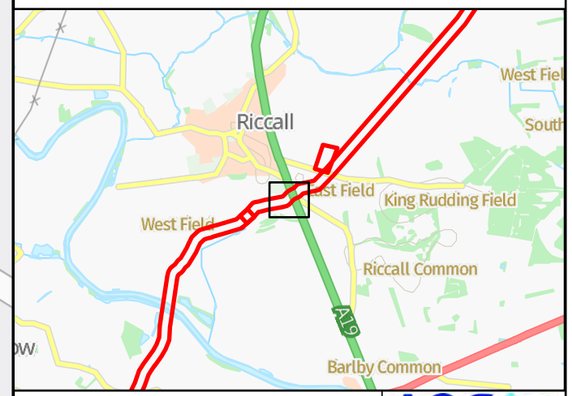
A19

Legend

- Red Line Boundary
- Ferrous Anomalies/Iron Spike
- Linear Trend (Drainage)
- Linear Trend (Service)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Spread (Ferrous/Iron Spike)
- Unsuitable

2nT

-1nT



0 40 m

N

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	**JG**	Date:	**20/01/2026 19:24**	Version:	**1.0**
Checked by:	**CS**	Date:	**20/01/2026 19:24**	Status:	**DRAFT**
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462500

93B

93A

CR93

93A

CR96

CR94

CR95

CR97

CR98

A19

A19

LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.47

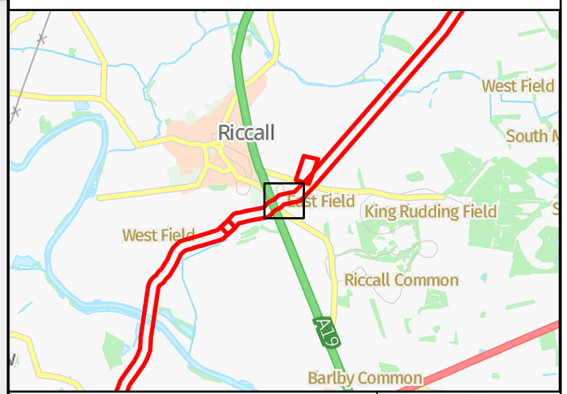
Interpretation of Gradiometer Data: CR93, CR94, CR96

Legend

- Red Line Boundary
- Ferrous Anomalies/Iron Spike
- Linear Trend (Drainage)
- Linear Trend (Service)
- Anomaly (Possible Archaeology)
- Anomaly (Unclear Origin)
- Anomaly (Magnetic Disturbance)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Spread (Ferrous/Iron Spike)
- Outstanding
- Unsuitable

2nT

-1nT



N

0 40 m

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Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

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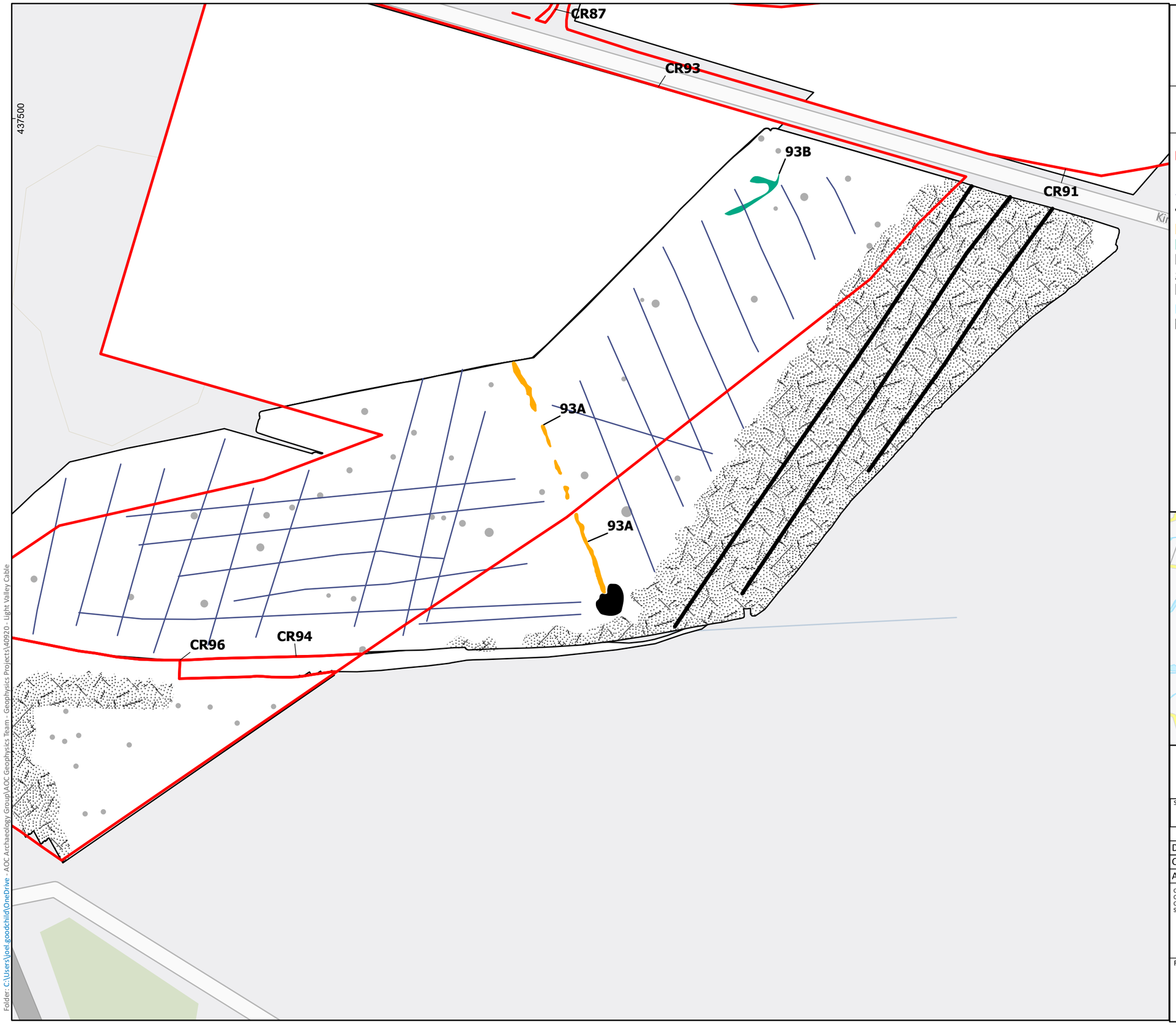
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.48

Interpretation of Gradiometer Data: CR93, CR94, CR96

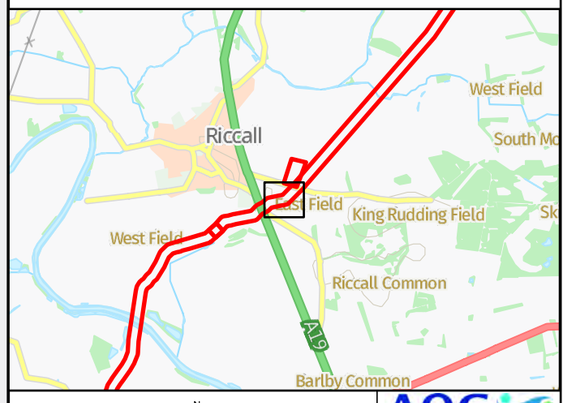


Legend

- Red Line Boundary
- Ferrous Anomalies/Iron Spike
- Linear Trend (Drainage)
- Linear Trend (Service)
- Anomaly (Possible Archaeology)
- Anomaly (Unclear Origin)
- Anomaly (Magnetic Disturbance)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Outstanding
- Unsuitable

2nT

-1nT



0 N 40 m

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Datum: OSGB 1936

Scale: 1:1,250

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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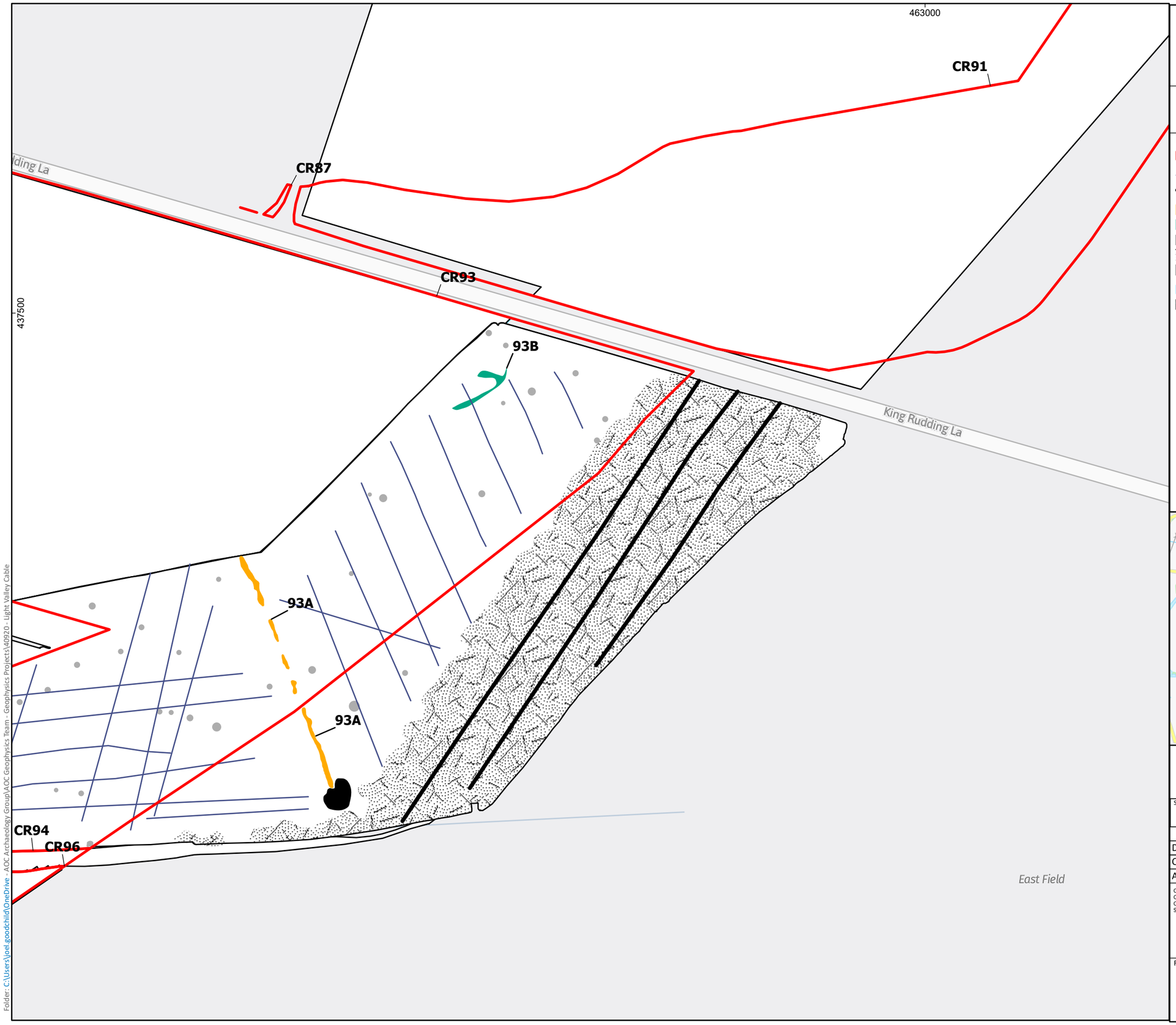
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 6.49

Interpretation of Gradiometer Data: CR93, CR94, CR96

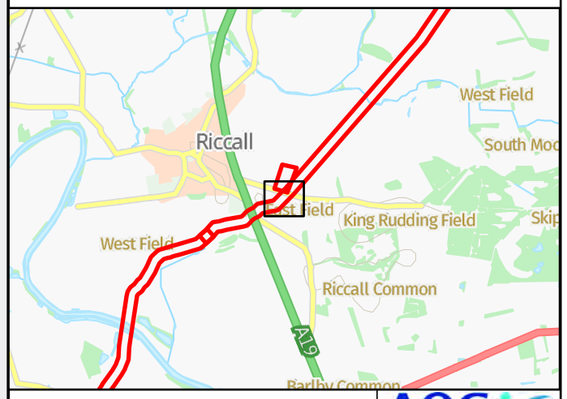


Legend

- Red Line Boundary
- Linear Trend (Drainage)
- Linear Trend (Service)
- Anomaly (Possible Archaeology)
- Anomaly (Unclear Origin)
- Anomaly (Magnetic Disturbance)
- Spread (Magnetic Disturbance)
- Anomaly (Ferrous/Iron Spike)
- Outstanding
- Unsuitable

2nT

-1nT



0 40 m

N

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Scale:	1:1,250
Page Size:	@ A3

Drawing Number: 05/40920/GEO/P8/

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Figure	Processed Gradiometer Data: XY Trace: CR397, CR407
7.1	

Legend

Red Line Boundary

50nT

-50nT

449500

CR387

CR397

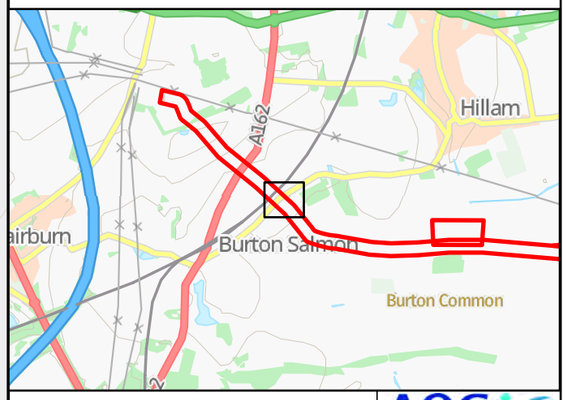
CR407

CR411

Hillam La

Hillam La

Hillam La



0 N 40 m

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,000

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

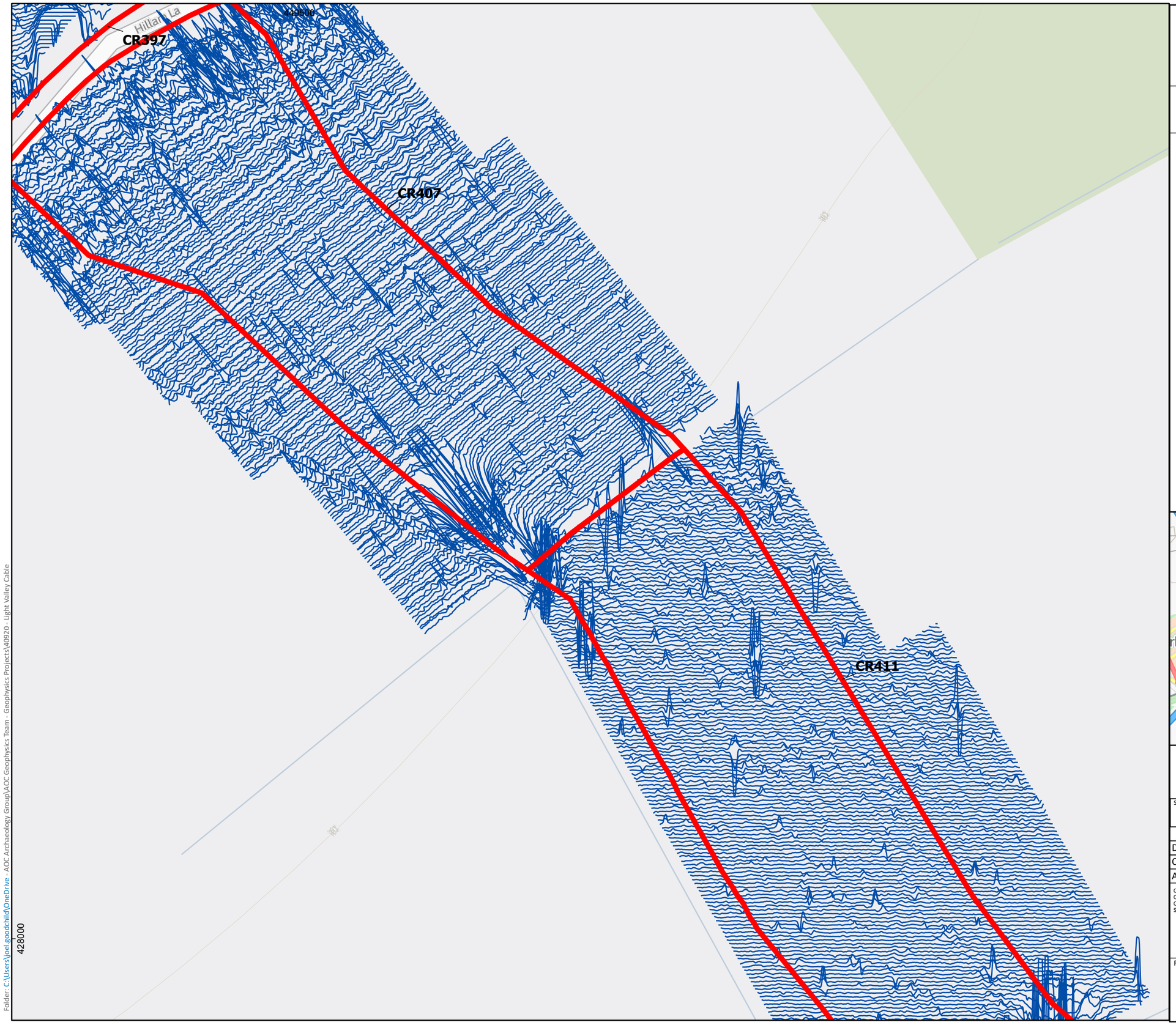
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Checked by:	CS	Date:	12/01/2026 15:04	Status:	DRAFT
Approved by:	CS	Date:	12/01/2026 15:04	AOC Project No:	40920

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

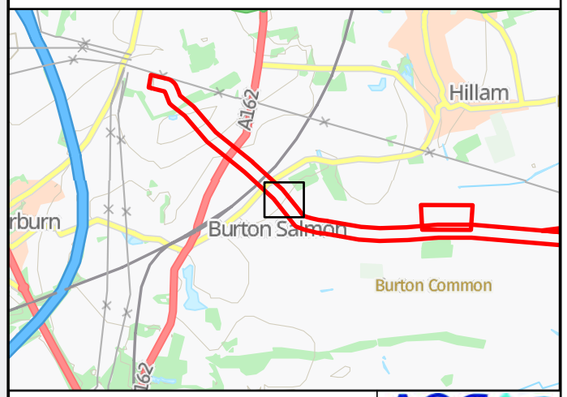
Figure 7.2	Processed Gradiometer Data: XY Trace: CR397, CR407, CR411

Legend

Red Line Boundary

50nT

-50nT



0 N 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,000

Page Size: @ A3

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Checked by:	CS	Date:	12/01/2026 15:04	Status:	DRAFT
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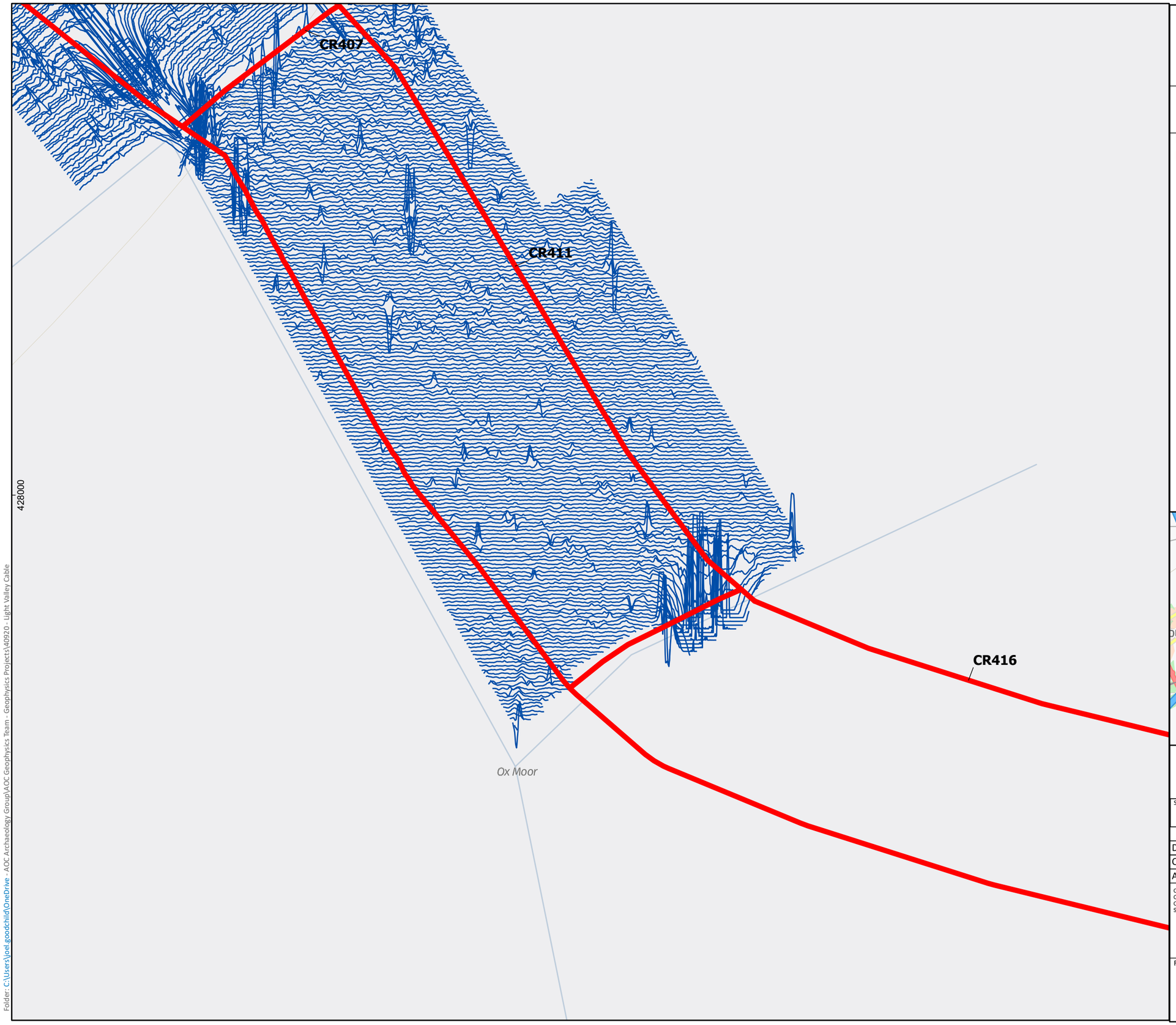
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 7.3

Processed Gradiometer Data: XY Trace: CR407, CR411

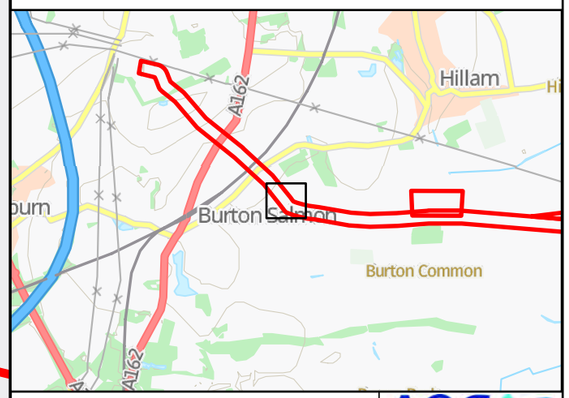


Legend

Red Line Boundary

50nT

-50nT



0 40 m

N

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Scale:	1:1,000
Page Size:	@ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	12/01/2026 15:04	Version:	1.0
Checked by:	CS	Date:	12/01/2026 15:04	Status:	DRAFT
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 7.4

Processed Gradiometer Data: XY Trace: CR407, CR411

Legend

Red Line Boundary

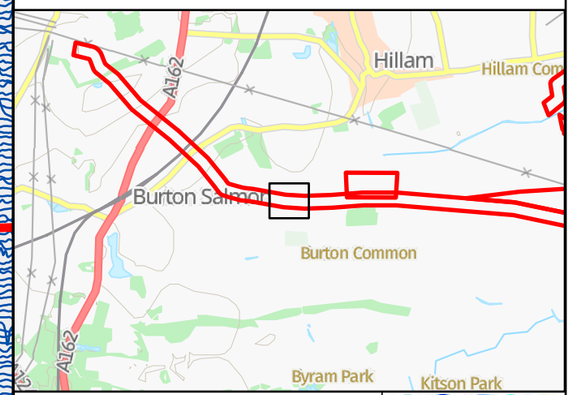
50nT

-50nT

CR416

CR412

CR418



0 N 40 m

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Datum: OSGB 1936

Scale: 1:1,000

Page Size: @ A3

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Checked by:	**CS**	Date:	**12/01/2026 15:04**	Status:	**DRAFT**
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450500

CR418

CR414

LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

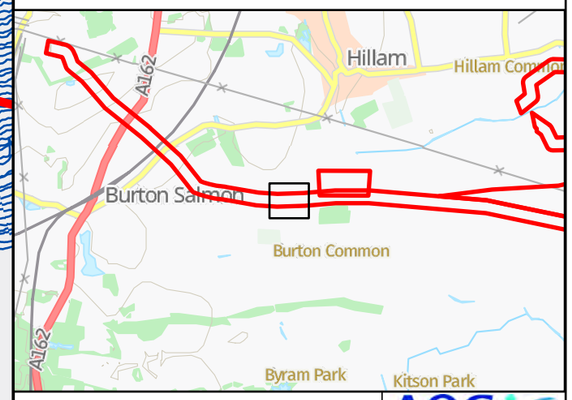
Figure 7.5	Processed Gradiometer Data: XY Trace: CR418, CR414

Legend

Red Line Boundary

50nT

-50nT



0 N 40 m

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,000

Page Size: @ A3

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Drawn by:	**JG**	Date:	**12/01/2026 15:04**	Version:	**1.0**
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450500

CR413

CR414

CR418

Fairfield La

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

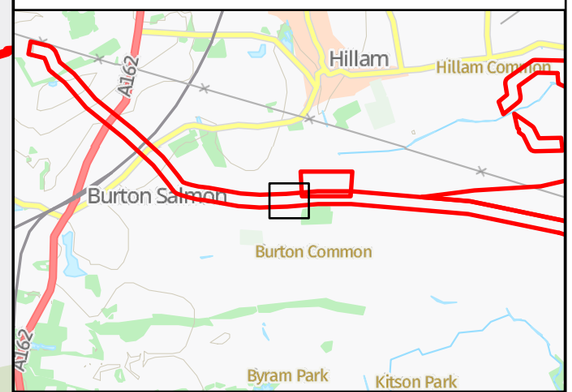
Figure 7.6	Processed Gradiometer Data: XY Trace: CR418, CR414

Legend

Red Line Boundary

50nT

-50nT



0 N 40 m

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Datum: OSGB 1936

Scale: 1:1,000

Page Size: @ A3

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Approved by:	CS	Date:	12/01/2026 15:04	AOC Project No:	40920

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Figure 7.7	**Processed Gradiometer Data: XY Trace: CR250**

Legend

Red Line Boundary

50nT

-50nT

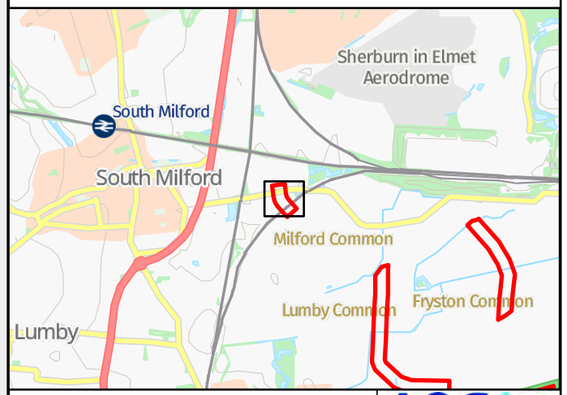
CR250

Woodhaven

Common La

Common La

431500



0 40 m

N

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,000

Page Size: @ A3

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Figure 7.8

Processed Gradiometer Data: XY Trace: CR466, CR467

451500

430500

CR461

CR466

CR467

Ingthorne La

Ingthorne La

Fryston Common La

Legend

Red Line Boundary

50nT

-50nT

0 40 m

N

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Datum: OSGB 1936

Scale: 1:1,000

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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Figure 7.9

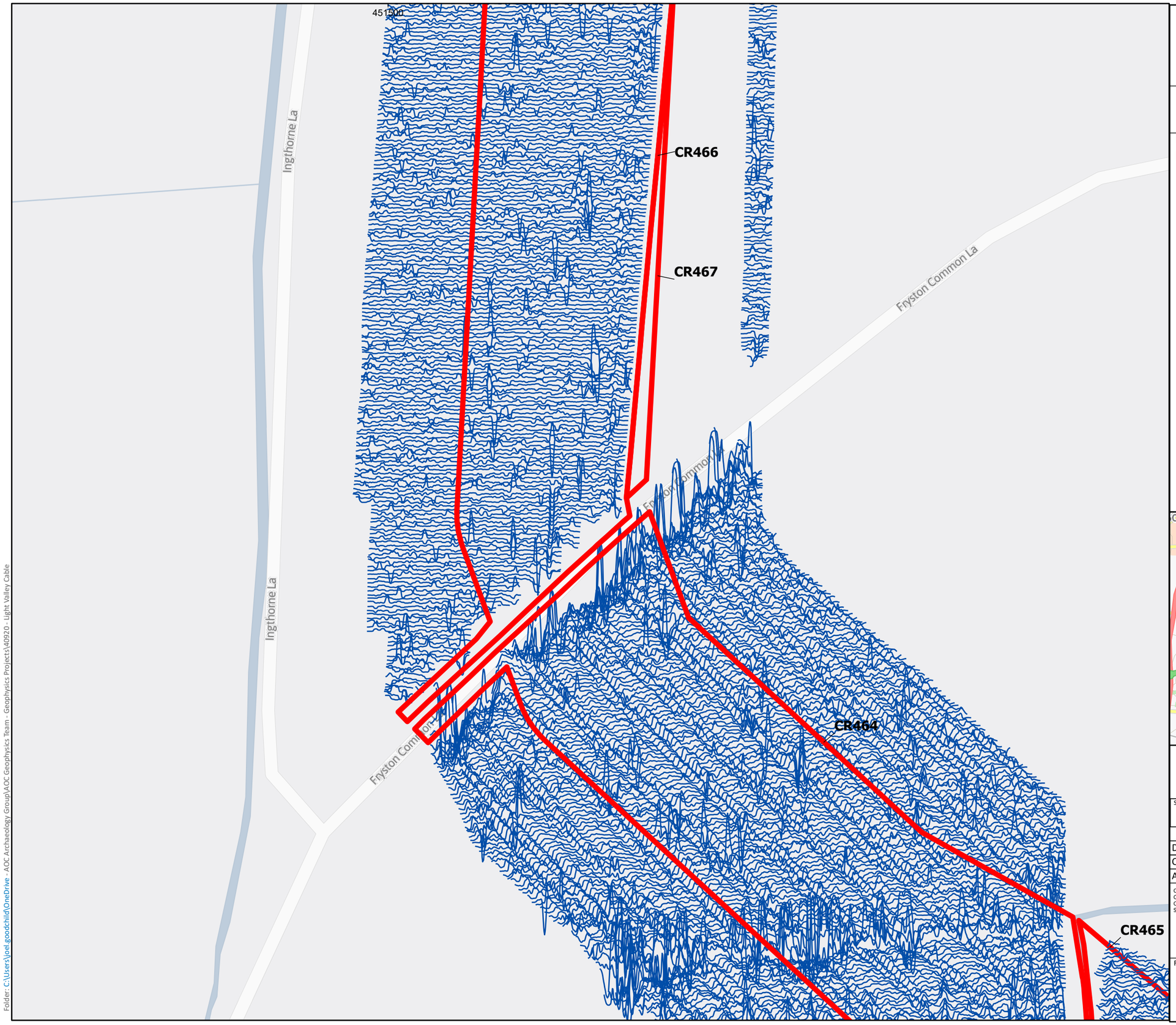
Processed Gradiometer Data: XY Trace: CR466, CR467, CR464

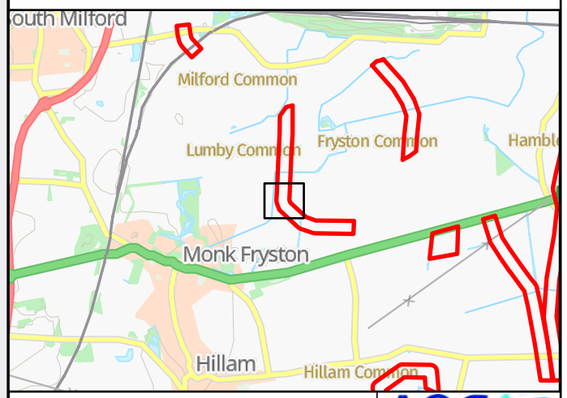
Legend

Red Line Boundary

50nT

-50nT





0 N 40 m

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 7.10

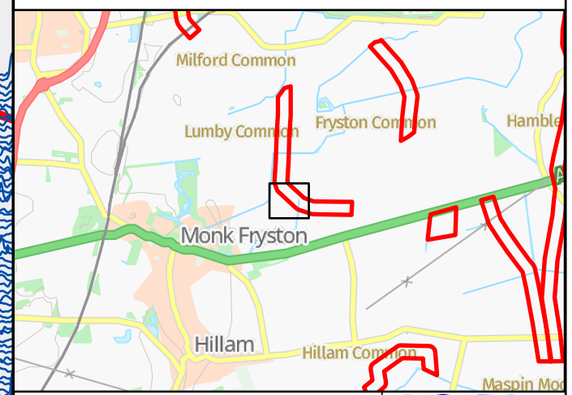
Processed Gradiometer Data: XY Trace: CR464, CR465

Legend

Red Line Boundary

50nT

-50nT



0 N 40 m

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Scale: 1:1,000

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Figure 7.11

Processed Gradiometer Data: XY Trace: CR465

CR464

CR465

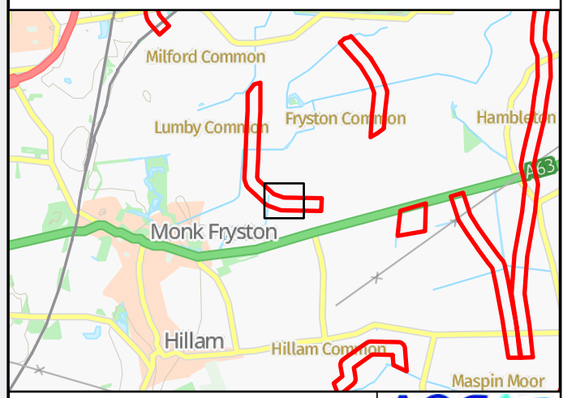
430000

Legend

Red Line Boundary

50nT

-50nT



0 40 m

N

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,000

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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Figure	Processed Gradiometer Data: XY Trace: CR465
7.12	

Legend

Red Line Boundary

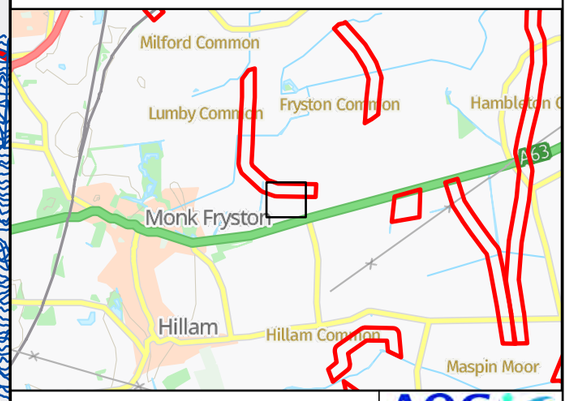
50nT

-50nT

CR465

452000

430000



0 N 40 m

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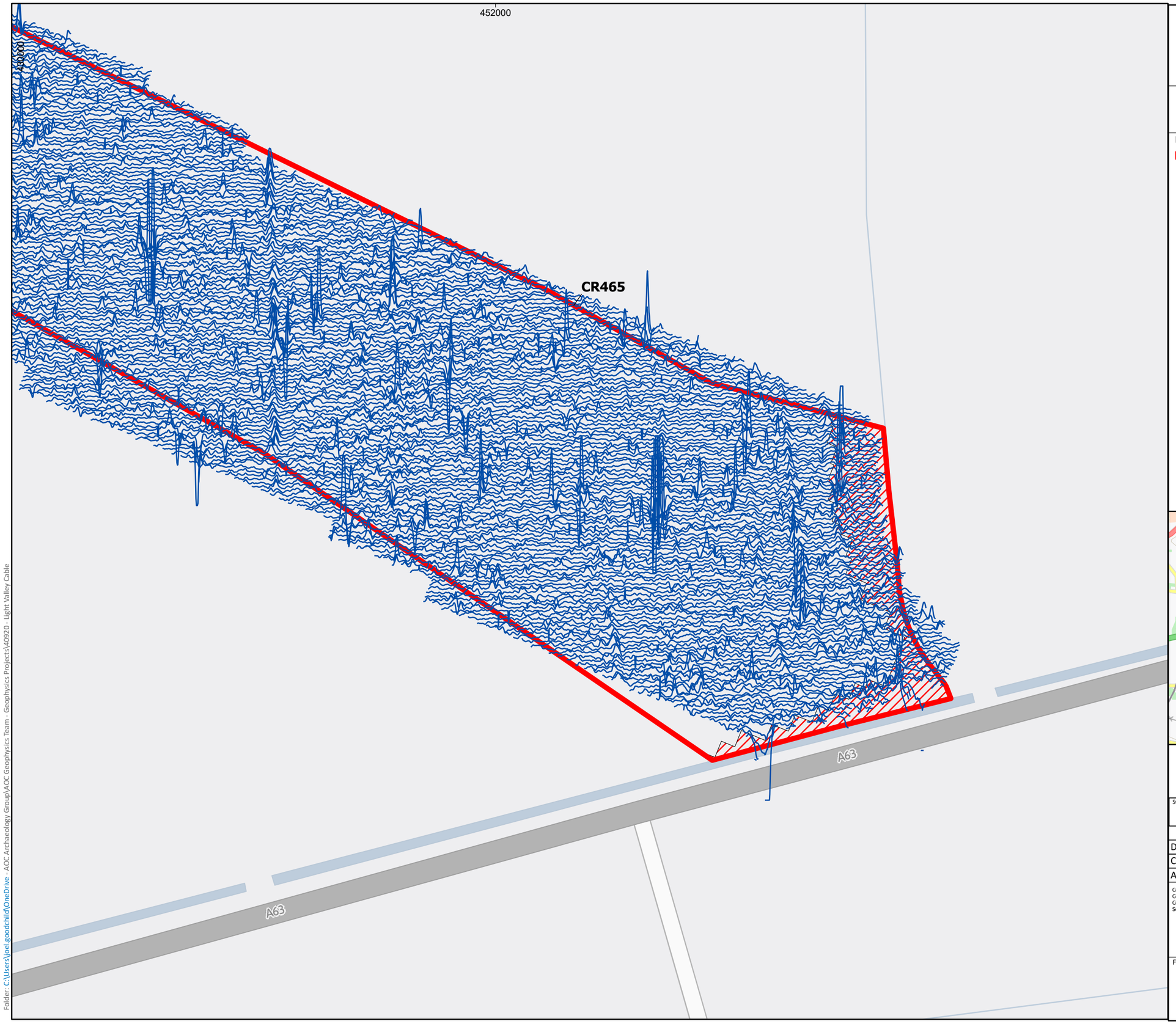
Figure 7.13	**Processed Gradiometer Data: XY Trace: CR465**

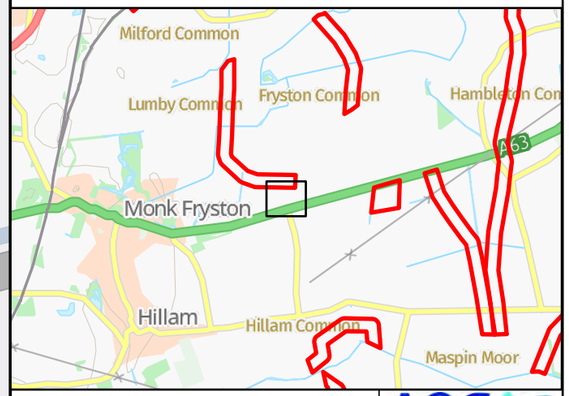
Legend

Red Line Boundary

50nT

-50nT





0 N 40 m

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452500

428500

CR405

CR403

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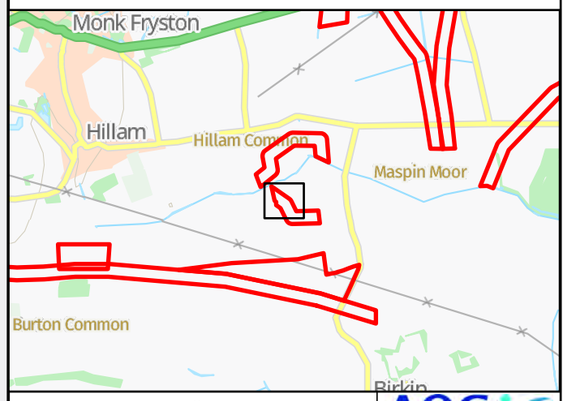
Figure 7.14	**Processed Gradiometer Data: XY Trace: CR403, CR405**

Legend

Red Line Boundary

50nT

-50nT



0 N 40 m

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Datum: OSGB 1936

Scale: 1:1,000

Page Size: @ A3

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452500

CR405

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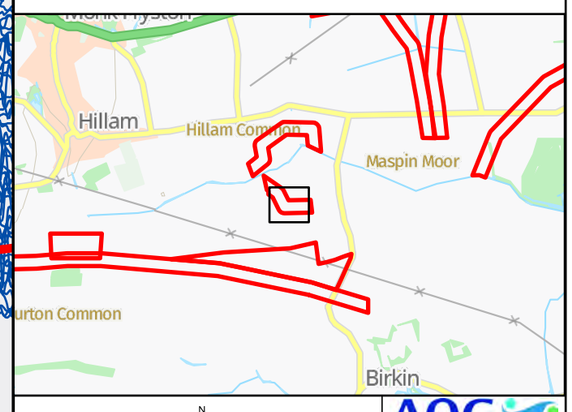
Figure 7.15	Processed Gradiometer Data: XY Trace: CR405

Legend

Red Line Boundary

50nT

-50nT



0 N 40 m

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,000

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	**JG**	Date:	**12/01/2026 15:04**	Version:	**1.0**
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452500

CR405

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Figure 7.16

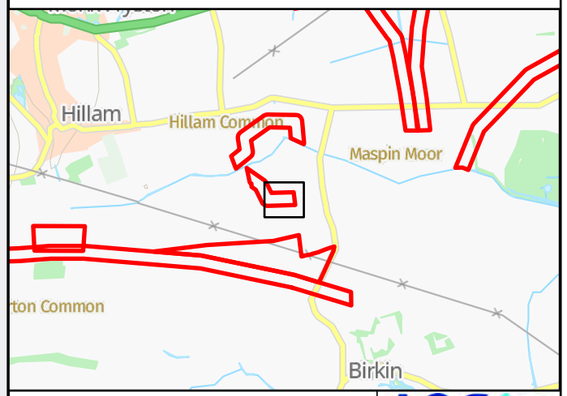
Processed Gradiometer Data: XY Trace: CR405

Legend

Red Line Boundary

50nT

-50nT



0 40 m

N

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Figure 7.17	Processed Gradiometer Data: XY Trace: CR403, CR405

Legend

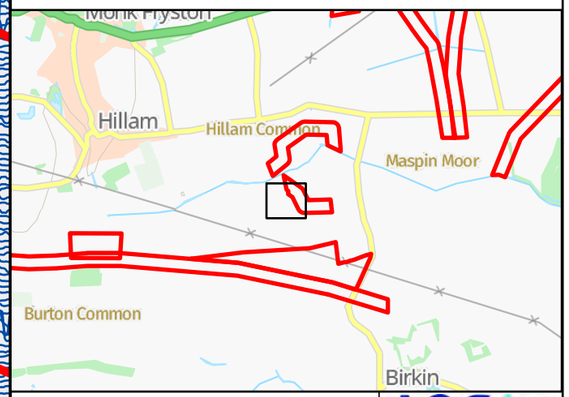
Red Line Boundary

CR405

CR403

50nT

-50nT



0 N 40 m

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 7.18

Processed Gradiometer Data: XY Trace: CR403, CR405

Legend

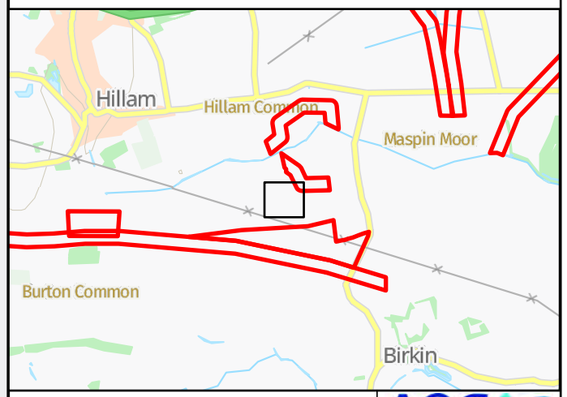
Red Line Boundary

CR403

CR405

50nT

-50nT



0 N 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,000

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	12/01/2026 15:04	Version:	1.0
Checked by:	CS	Date:	12/01/2026 15:04	Status:	DRAFT
Approved by:	CS	Date:	12/01/2026 15:04	AOC Project No:	40920

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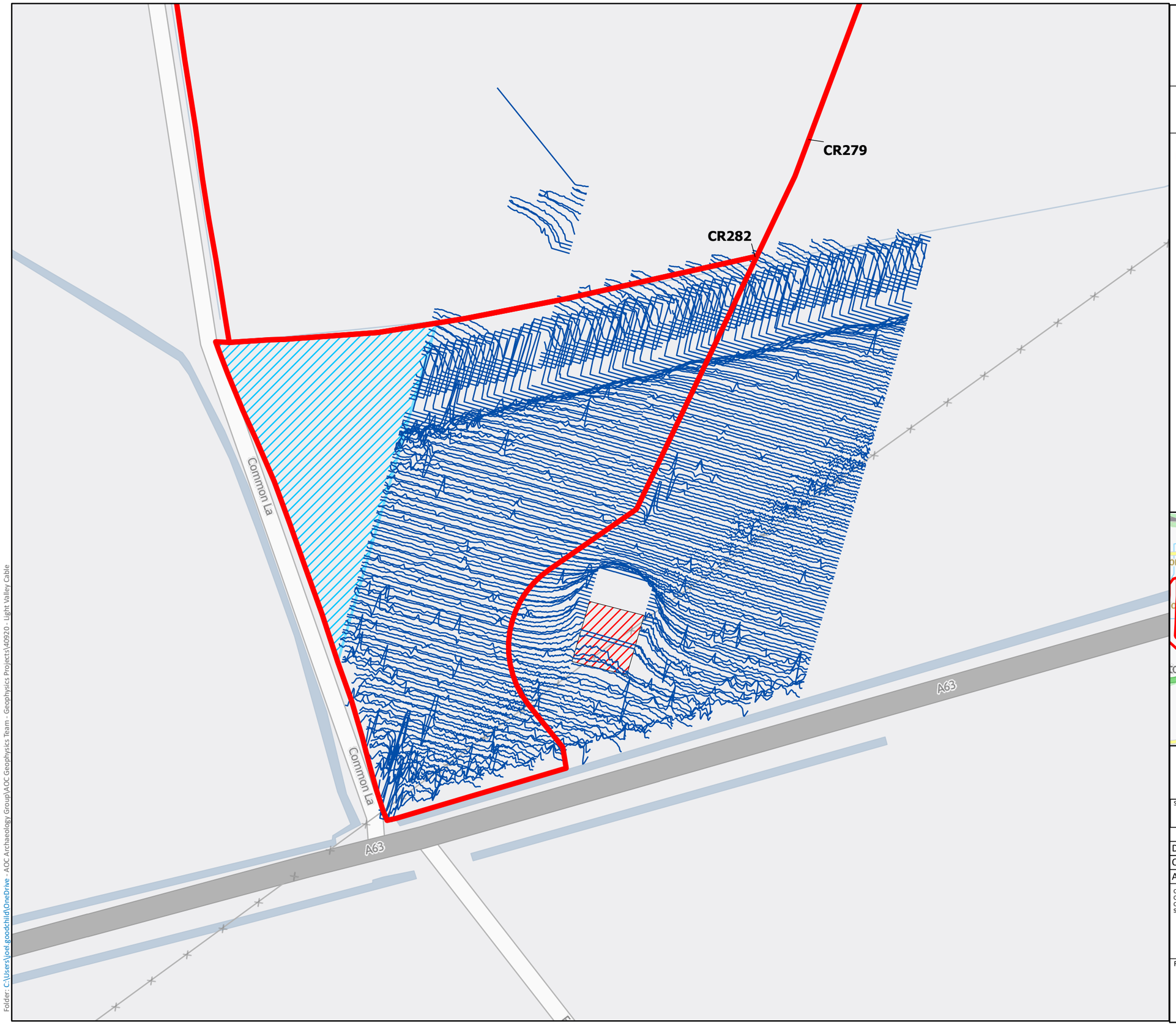
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 7.19

Processed Gradiometer Data: XY Trace: CR282

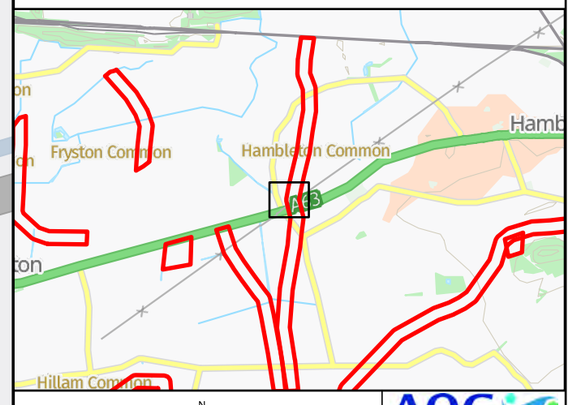


Legend

Red Line Boundary

50nT

-50nT



0 N 40 m

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,000

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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Checked by:	**CS**	Date:	**12/01/2026 15:04**	Status:	**DRAFT**
Approved by:	**CS**	Date:	**12/01/2026 15:04**	AOC Project No:	**40920**

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 7.20

Processed Gradiometer Data: XY Trace: CR306

453000

CR297

CR306

Legend

Red Line Boundary

50nT

-50nT

ord Common

Fryston Common

Hambleton Common

A63

onk Fryston

Hillam

Hillam Common

Maspin Moor

0 40 m

N

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,000

Page Size: @ A3

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CR297

CR306

LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 7.21

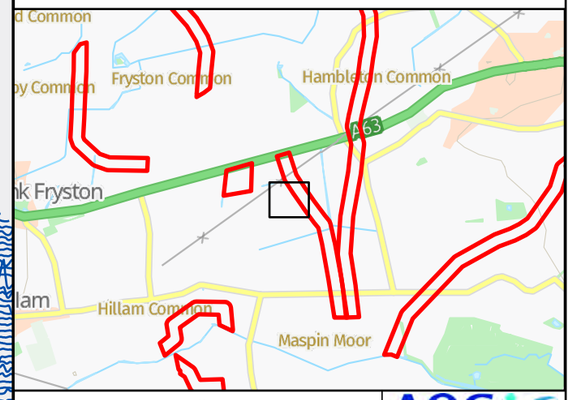
Processed Gradiometer Data: XY Trace: CR306

Legend

Red Line Boundary

50nT

-50nT



0 40 m

N

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,000

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

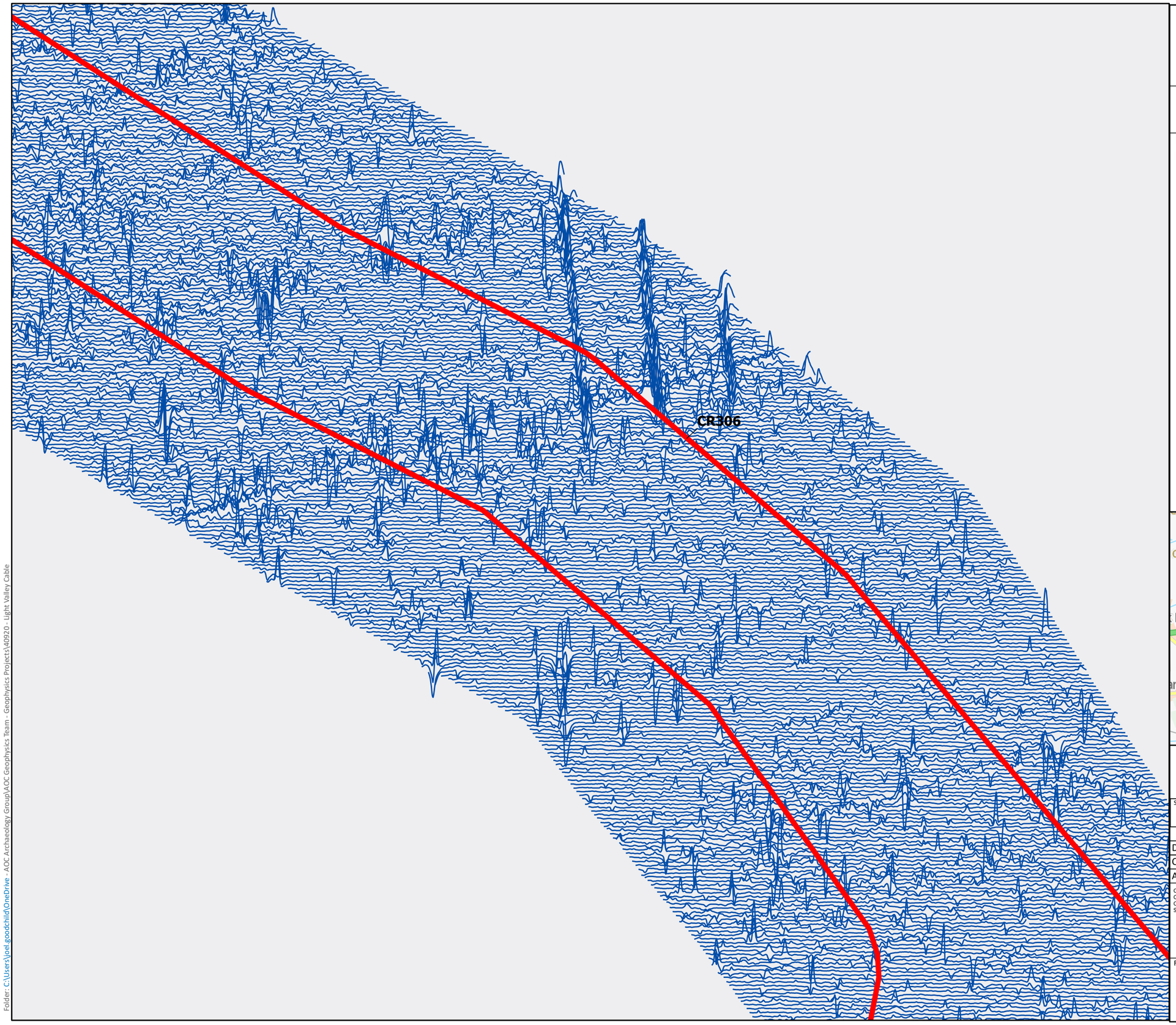
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Checked by:	**CS**	Date:	**12/01/2026 15:04**	Status:	**DRAFT**
Approved by:	**CS**	Date:	**12/01/2026 15:04**	AOC Project No:	**40920**

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 7.22

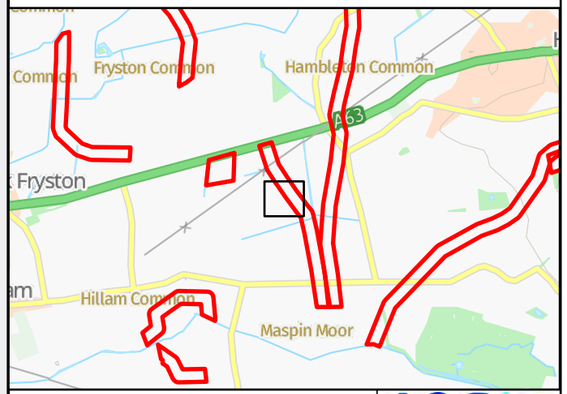
Processed Gradiometer Data: XY Trace: CR306

Legend

Red Line Boundary

50nT

-50nT



0 N 40 m

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Datum: OSGB 1936

Scale: 1:1,000

Page Size: @ A3

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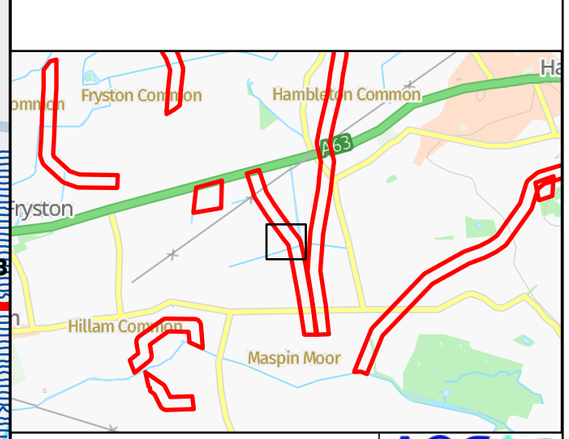
Figure 7.23	Processed Gradiometer Data: XY Trace: CR306

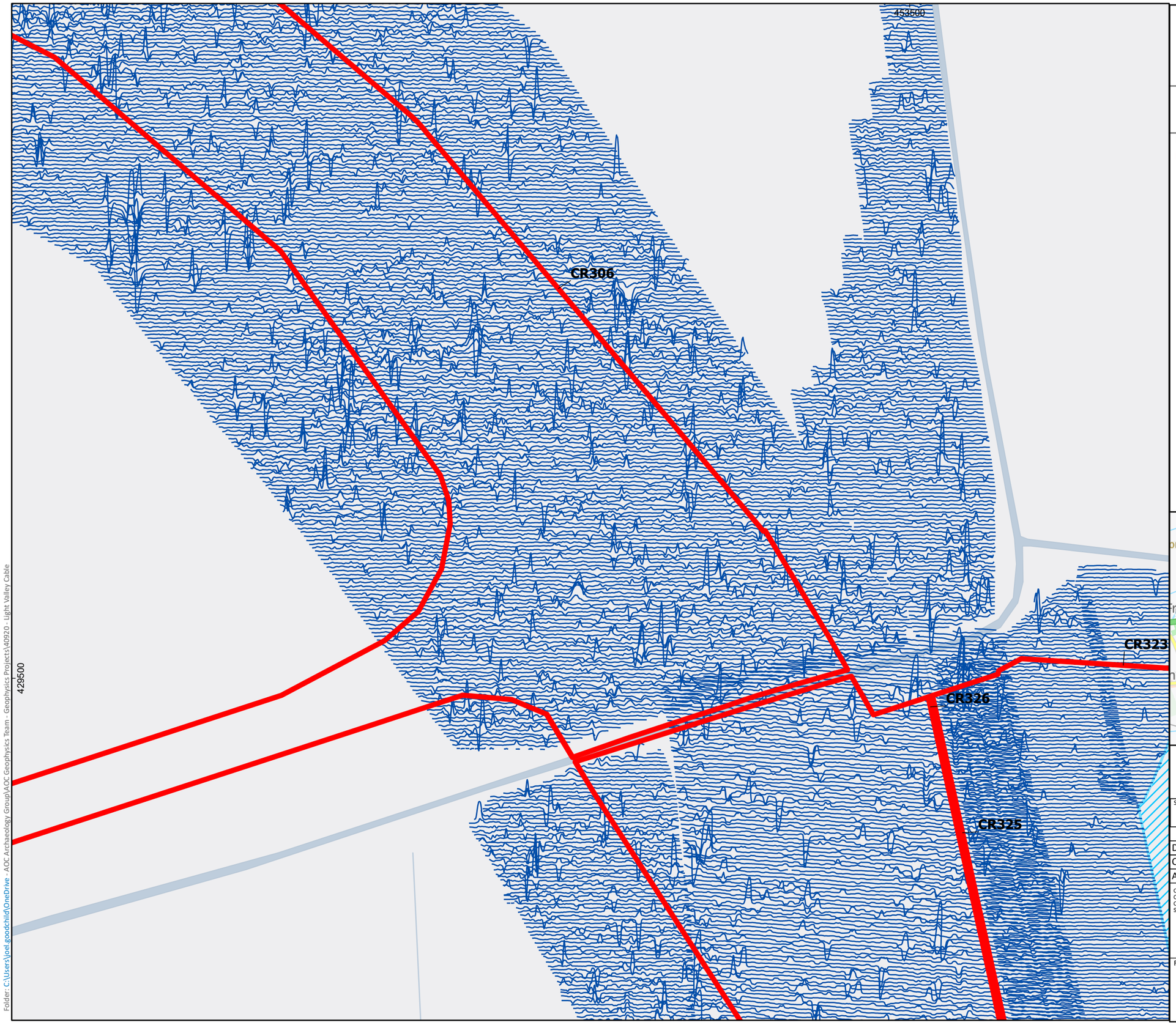
Legend

Red Line Boundary

50nT

-50nT





0 N 40 m

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Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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453500

CR306

CR323

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

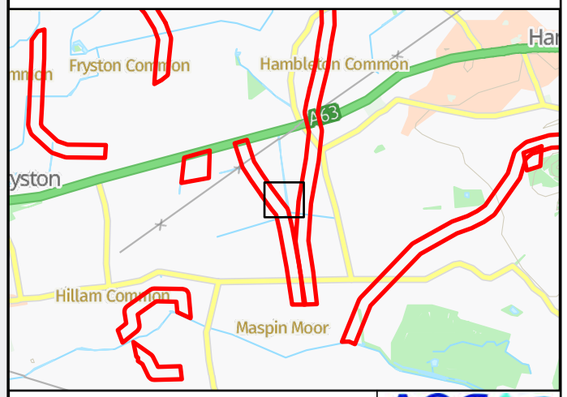
Figure 7.24	Processed Gradiometer Data: XY Trace: CR306

Legend

Red Line Boundary

50nT

-50nT



0 40 m

N

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,000

Page Size: @ A3

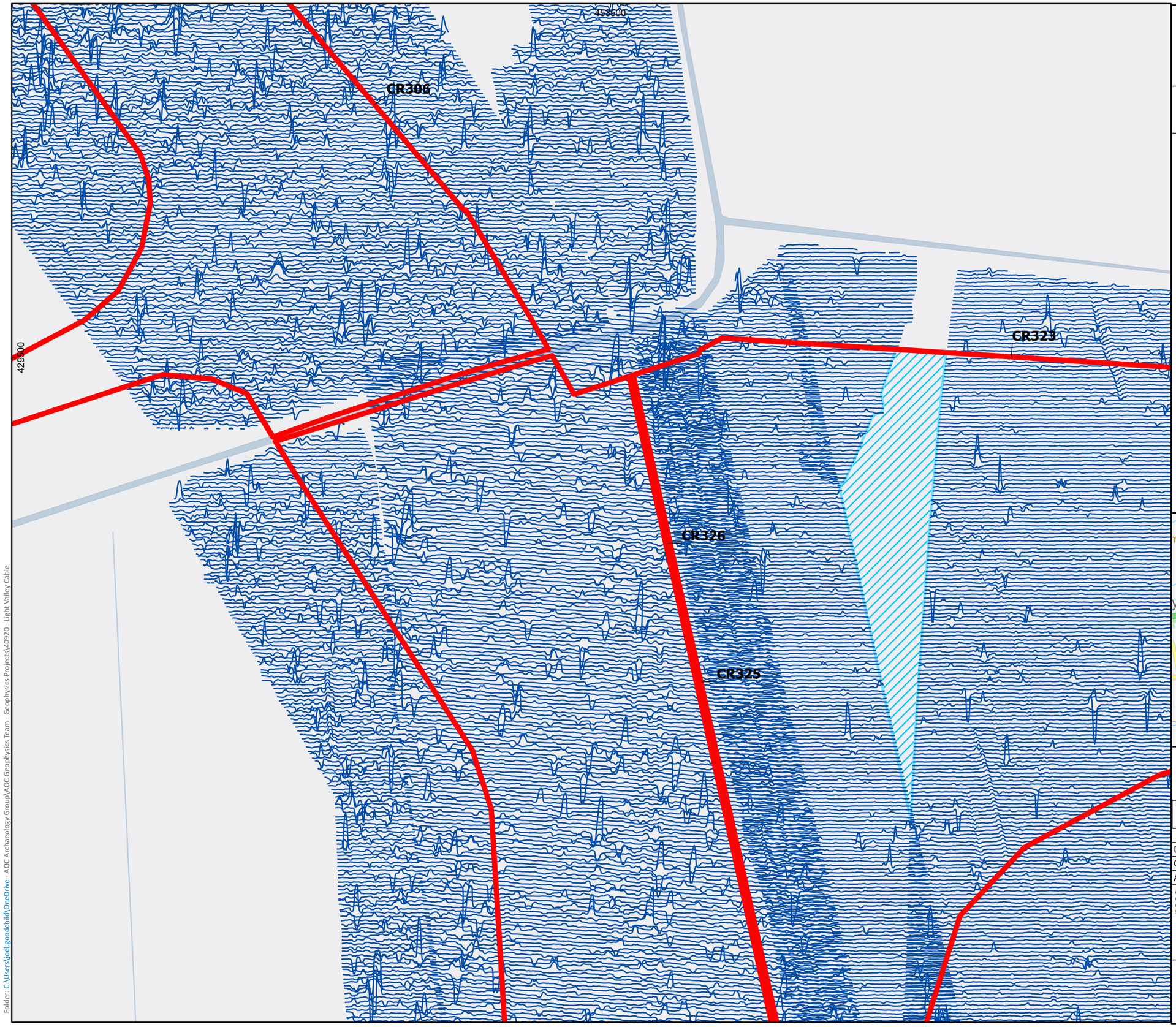
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Drawn by:	JG	Date:	12/01/2026 15:04	Version:	1.0
Checked by:	CS	Date:	12/01/2026 15:04	Status:	DRAFT
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 7.25

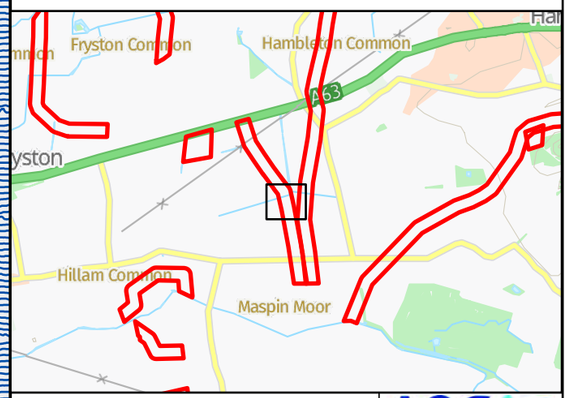
Processed Gradiometer Data: XY Trace: CR323, CR325, CR326

Legend

Red Line Boundary

50nT

-50nT



0 N 40 m

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System:	Coordinate System: British National Grid Projection: Transverse Mercator Datum: OSGB 1936
Scale:	1:1,000
Page Size:	@ A3

Drawing Number: 05/40920/GEO/P8/

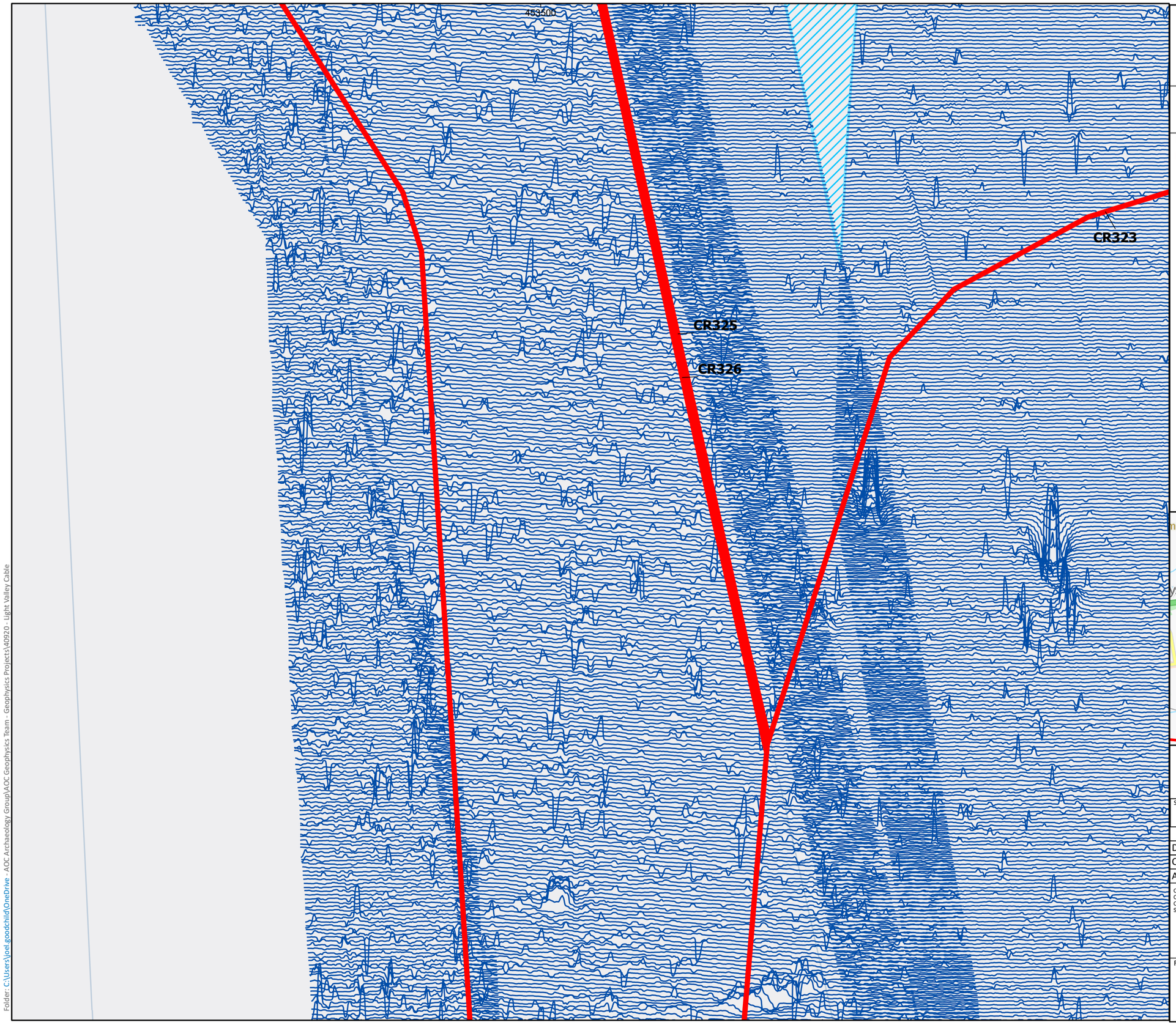
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Checked by:	**CS**	Date:	**12/01/2026 15:04**	Status:	**DRAFT**
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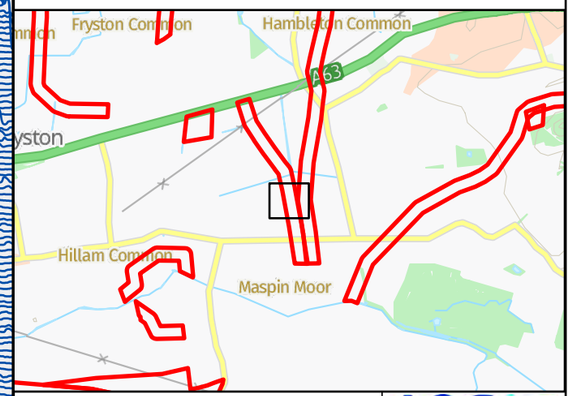
Figure 7.26	Processed Gradiometer Data: XY Trace: CR323, CR325, CR326

Legend

Red Line Boundary

50nT

-50nT



0 N 40 m

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,000

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453500

CR323

CR325

CR326

LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

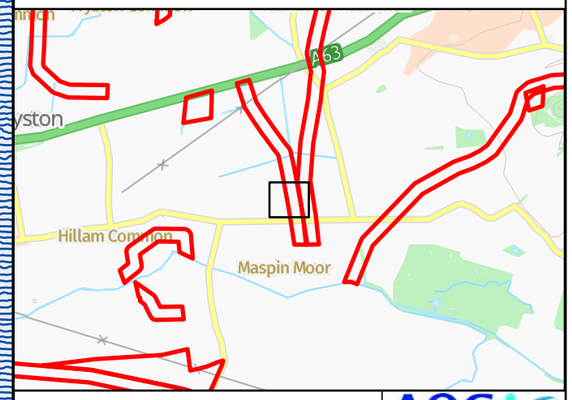
Figure 7.27	**Processed Gradiometer Data: XY Trace: CR323, CR325, CR326**

Legend

Red Line Boundary

50nT

-50nT



0 N 40 m

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Scale: 1:1,000

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 7.28

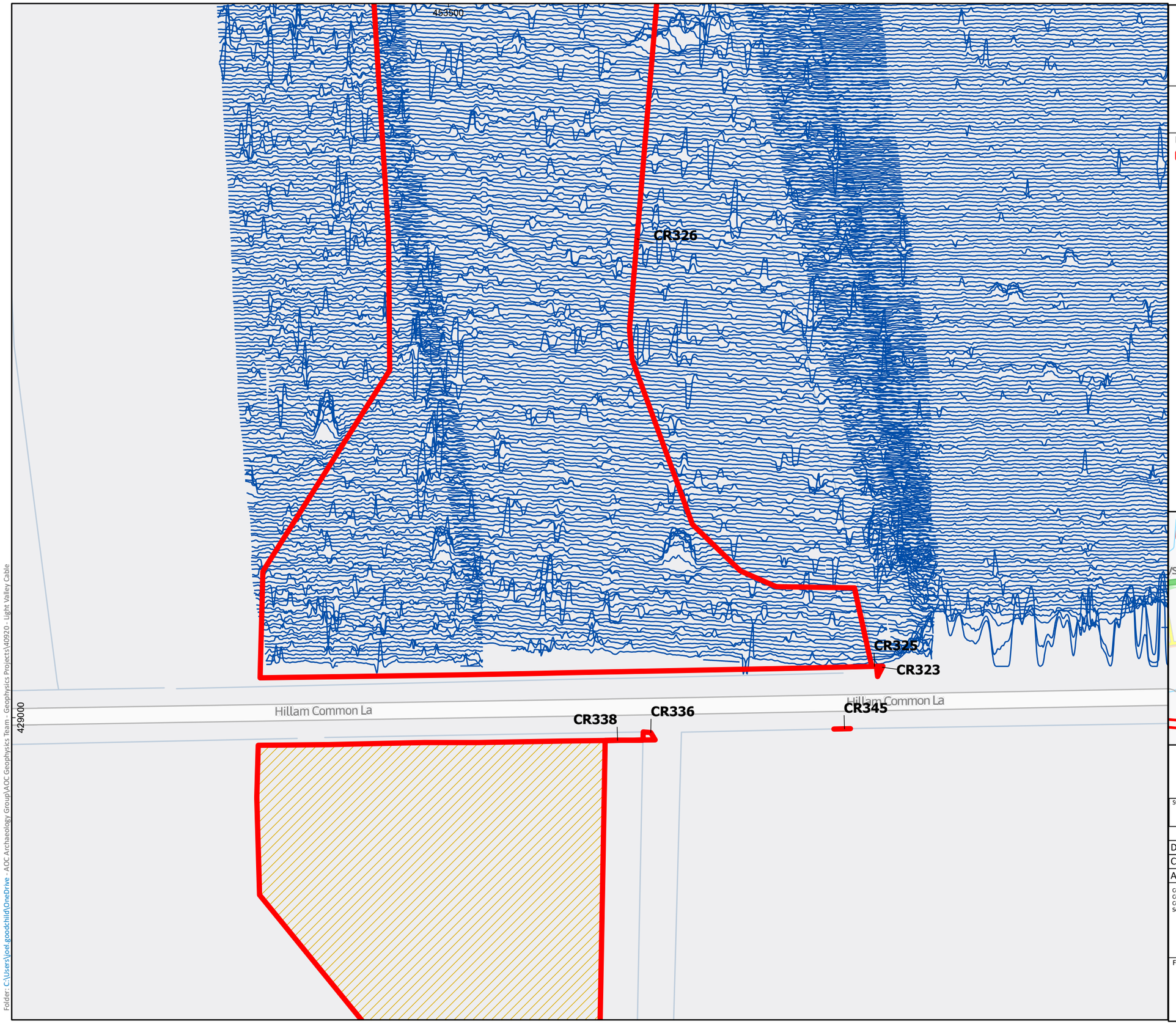
Processed Gradiometer Data: XY Trace: CR323, CR325, CR326

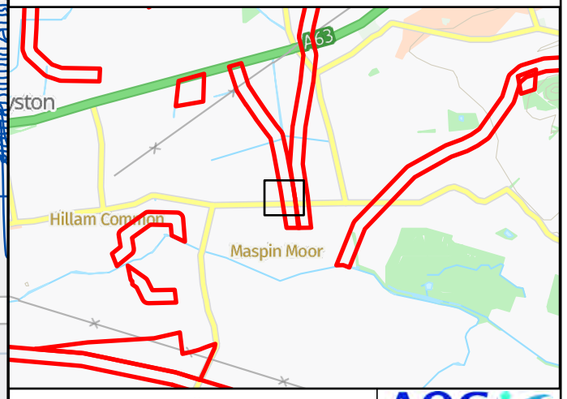
Legend

Red Line Boundary

50nT

-50nT





0 N 40 m

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,000

Page Size: @ A3

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Drawn by:	**JG**	Date:	**12/01/2026 15:04**	Version:	**1.0**
Checked by:	**CS**	Date:	**12/01/2026 15:04**	Status:	**DRAFT**
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Figure 7.29

Processed Gradiometer Data: XY Trace: CR323, CR325, CR326

463500

428500

CR306

CR323

CR322

CR316

CR326

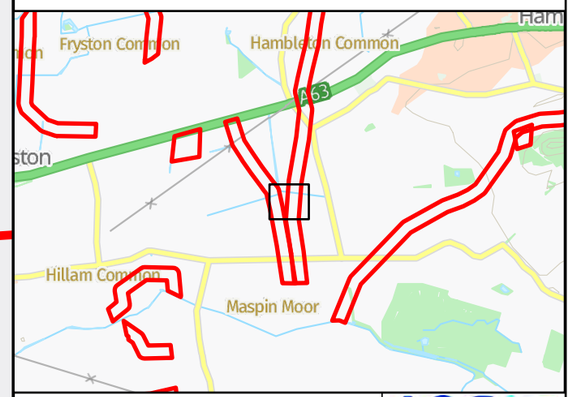
CR325

Legend

Red Line Boundary

50nT

-50nT



0 40 m

N

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,000

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	12/01/2026 15:04	Version:	1.0
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453900

CR316

CR322

CR323

CR325

CR326

LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 7.30

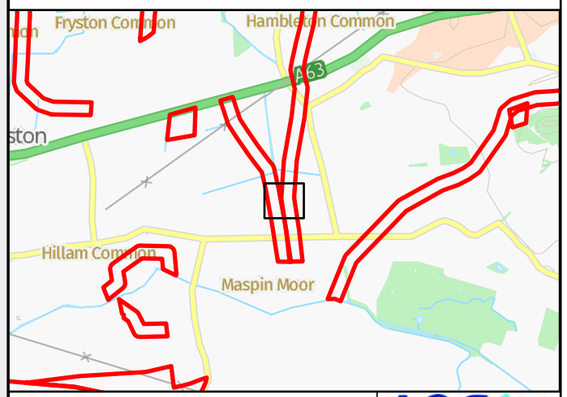
Processed Gradiometer Data: XY Trace: CR323, CR325, CR326

Legend

Red Line Boundary

50nT

-50nT



0 N 40 m

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,000

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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Checked by:	**CS**	Date:	**12/01/2026 15:04**	Status:	**DRAFT**
Approved by:	**CS**	Date:	**12/01/2026 15:04**	AOC Project No:	**40920**

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453500

CR323

CR325

CR326

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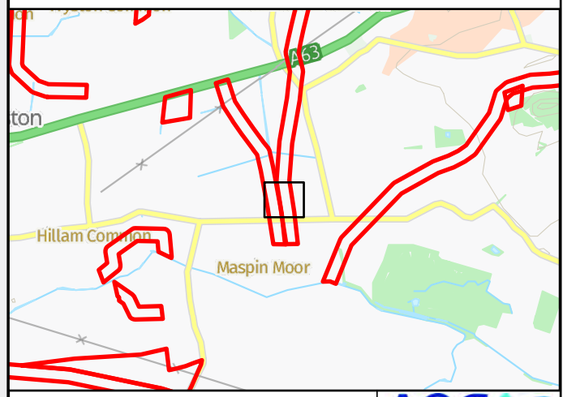
Figure 7.31	Processed Gradiometer Data: XY Trace: CR323, CR325, CR326

Legend

Red Line Boundary

50nT

-50nT



0 N 40 m

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,000

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	12/01/2026 15:04	Version:	1.0
Checked by:	CS	Date:	12/01/2026 15:04	Status:	DRAFT
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 7.32

Processed Gradiometer Data: XY Trace: CR323, CR325, CR326

Legend

Red Line Boundary

50nT

-50nT

CR326

CR325

CR323

CR336

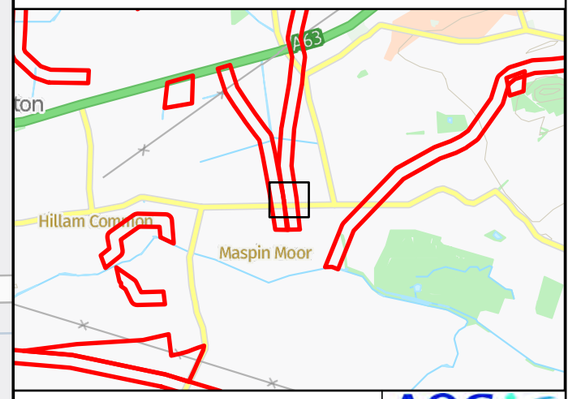
CR345

CR338

Hillam Common La

Hillam Common La

429000



0 N 40 m

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,000

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

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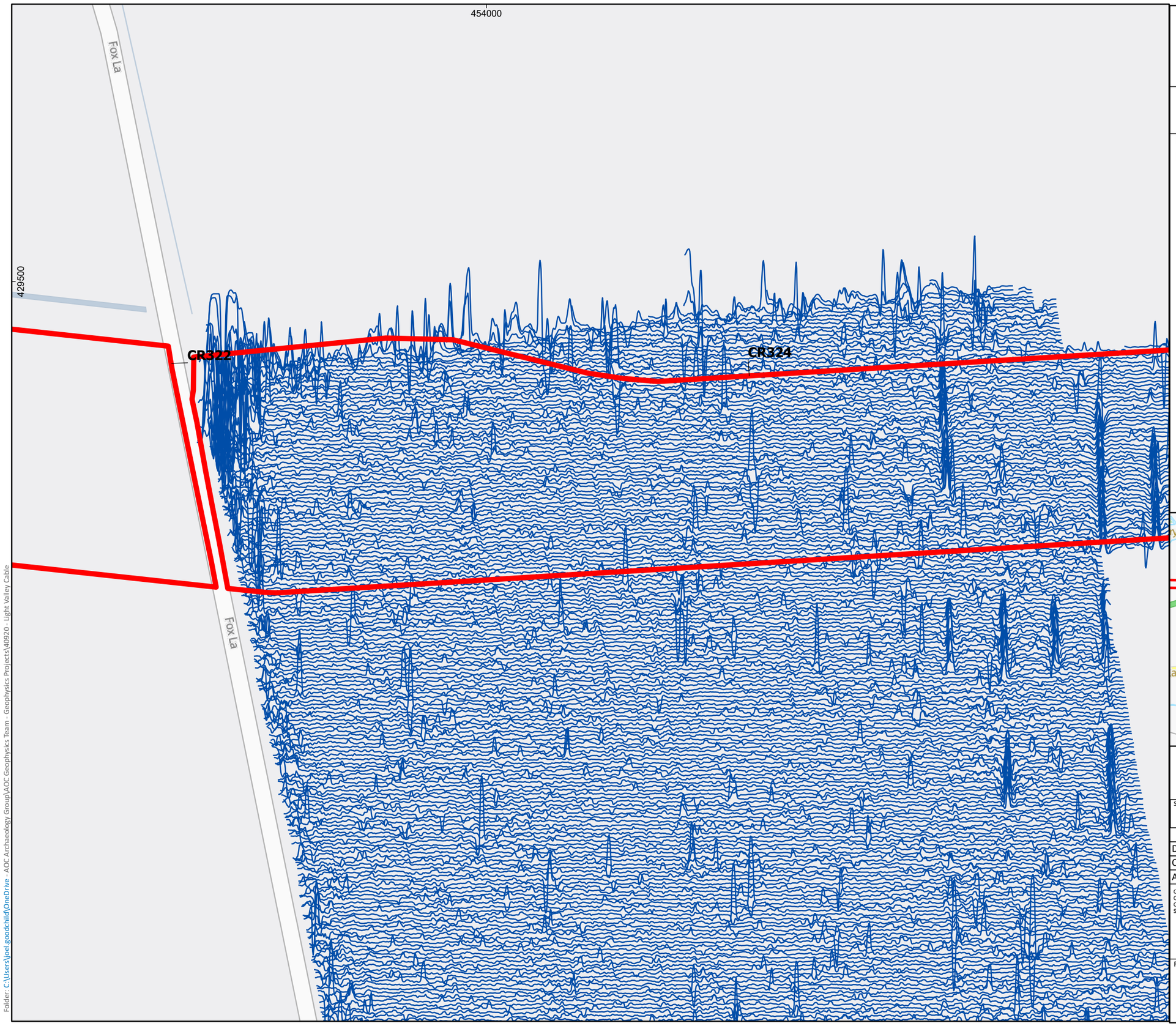
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure	Processed Gradiometer Data: XY Trace: CR324
7.33	



Legend

Red Line Boundary

50nT

-50nT

0 N 40 m

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		Page Size:	@ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	**JG**	Date:	**12/01/2026 15:04**	Version:	**1.0**
Checked by:	**CS**	Date:	**12/01/2026 15:04**	Status:	**DRAFT**
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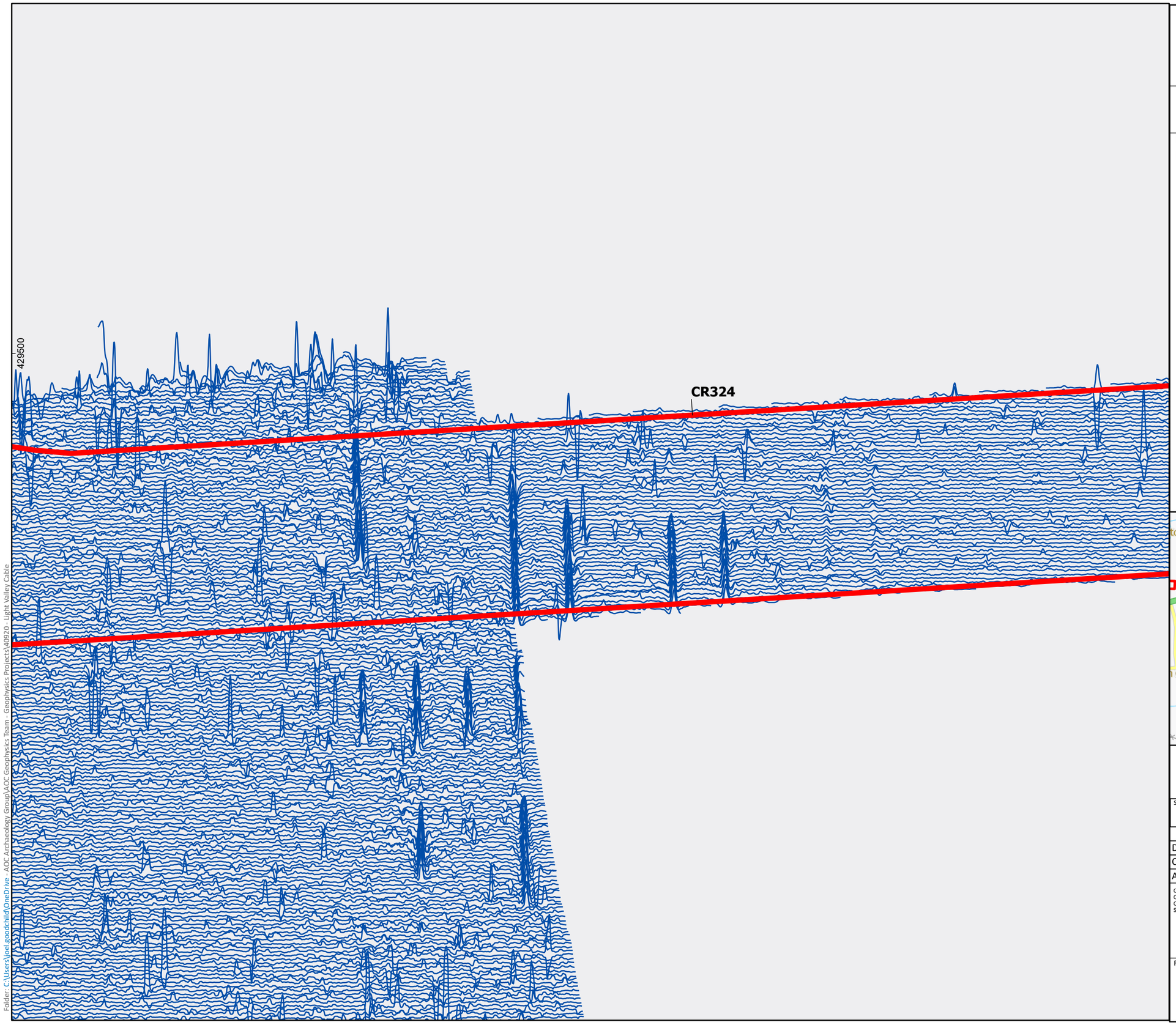
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 7.34	Processed Gradiometer Data: XY Trace: CR324



Legend

Red Line Boundary

50nT

-50nT

0 N 40 m

AOC Archaeology Group

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,000

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	**JG**	Date:	**12/01/2026 15:04**	Version:	**1.0**
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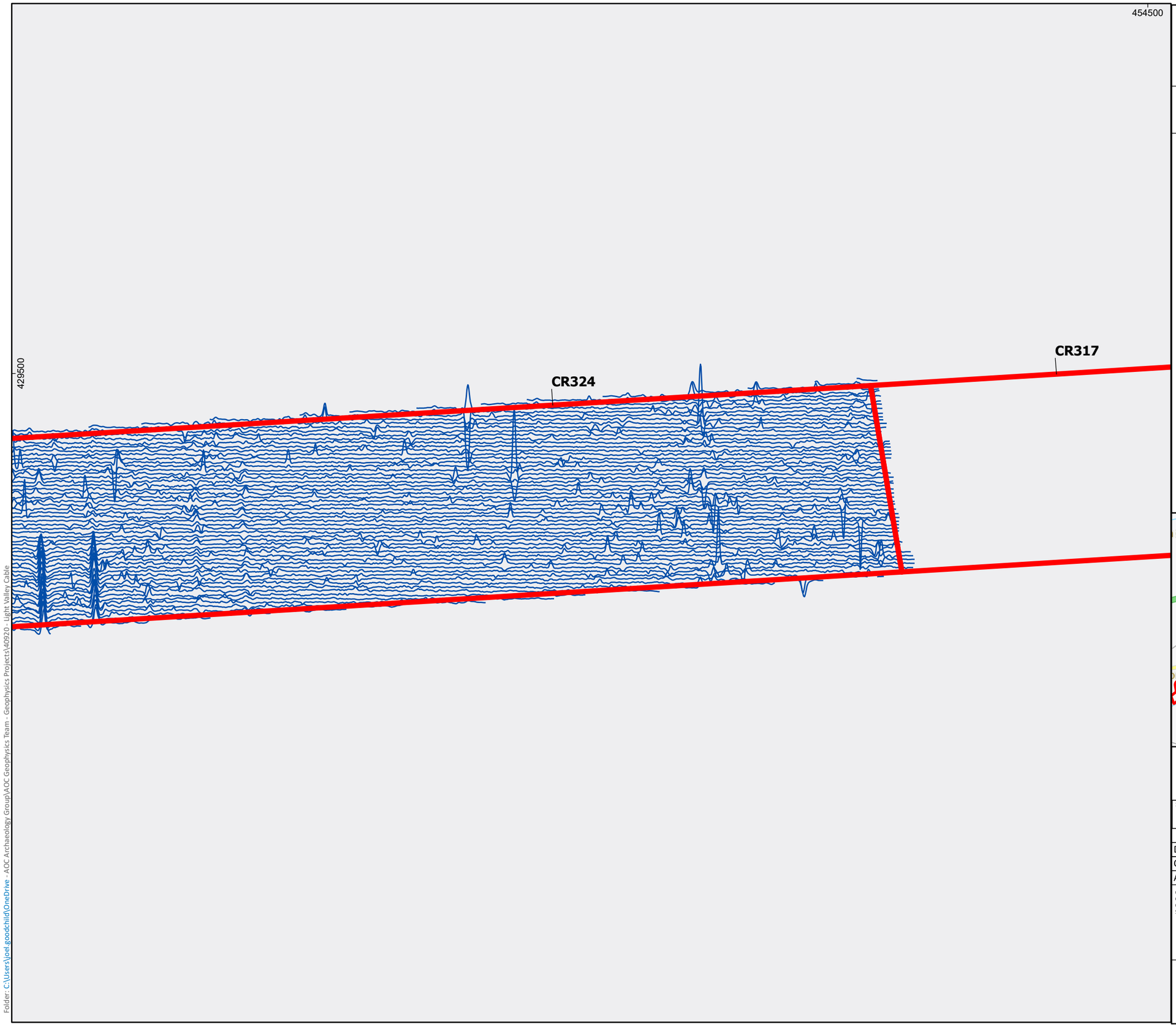
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 7.35

Processed Gradiometer Data: XY Trace: CR324

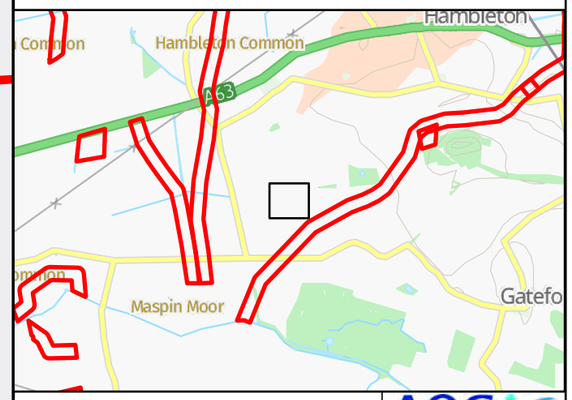


Legend

Red Line Boundary

50nT

-50nT



0 40 m

N

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Scale:	1:1,000
Page Size:	@ A3

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 7.36

Processed Gradiometer Data: XY Trace: CR324

CR317

CR324

CR344

Hillam Rd

Hillam Rd

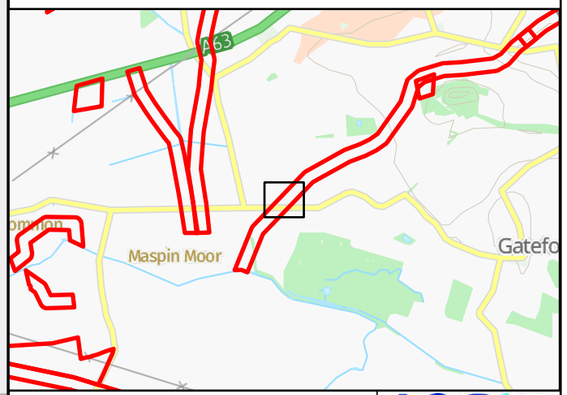
429000

Legend

Red Line Boundary

50nT

-50nT



0 40 m

N

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,000

Page Size: @ A3

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454500

CR317

CR324

Hagg House

LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

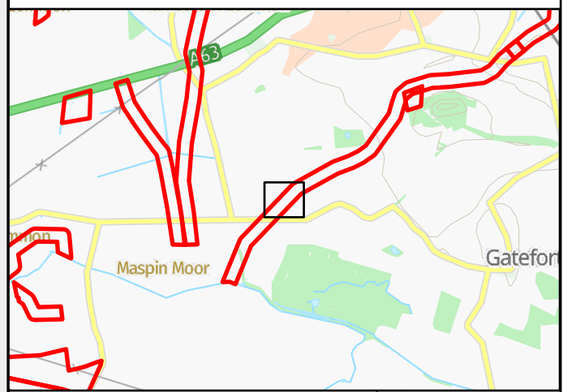
Figure 7.37	Processed Gradiometer Data: XY Trace: CR324

Legend

Red Line Boundary

50nT

-50nT



0 40 m

N

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 7.38	Processed Gradiometer Data: XY Trace: CR230

458500

CR227

CR230

CR229

CR232

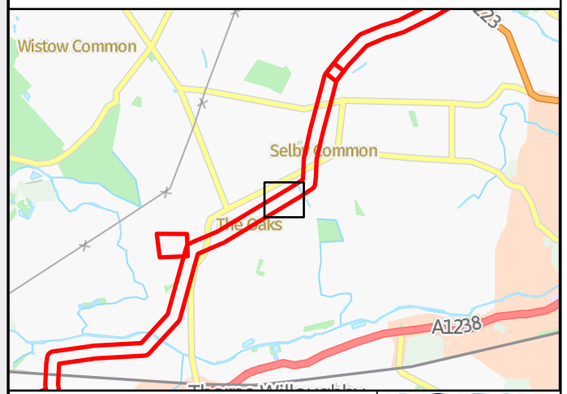
Greenlands La

Legend

Red Line Boundary

50nT

-50nT



0 40 m

N

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System: Coordinate System: British National Grid Projection: Transverse Mercator Datum: OSGB 1936	Scale: 1:1,000 Page Size: @ A3

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458500

Greenlands La

CR227

CR230

CR229

CR232

LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 7.39

Processed Gradiometer Data: XY Trace: CR230

Legend

Red Line Boundary

50nT

-50nT



0 N 40 m

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Datum: OSGB 1936

Scale: 1:1,000

Page Size: @ A3

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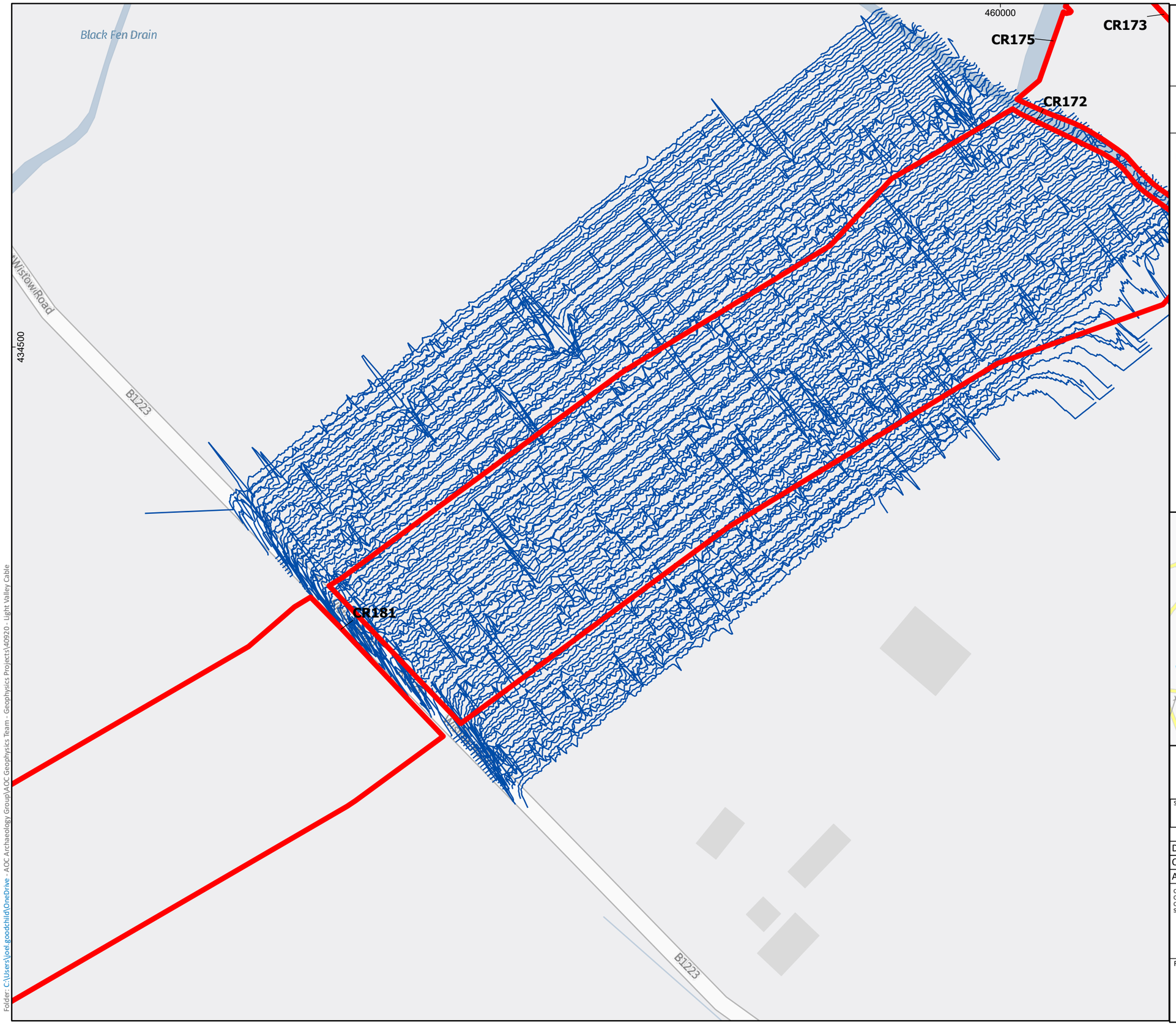
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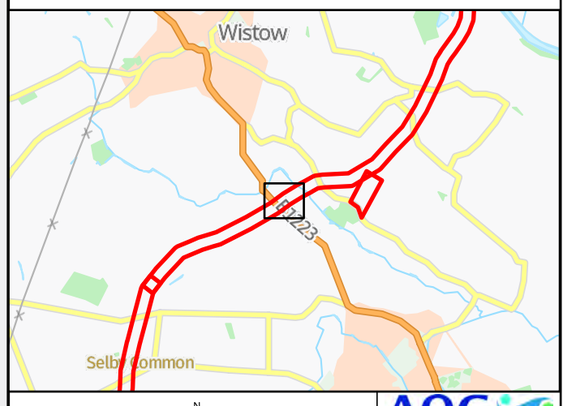
Figure	Processed Gradiometer Data: XY Trace: CR172
7.40	

Legend

Red Line Boundary

50nT

-50nT



0 N 40 m

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Scale:	1:1,000
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460000

434500

CR173

CR175

CR172

CR181

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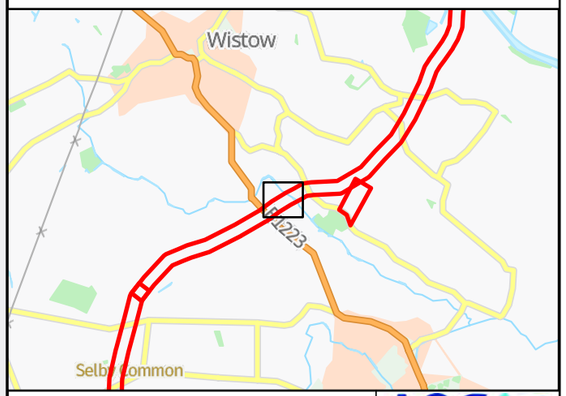
Figure 7.41	Processed Gradiometer Data: XY Trace: CR172

Legend

Red Line Boundary

50nT

-50nT



0 N 40 m

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Datum: OSGB 1936

Scale: 1:1,000

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461000

435500

CR129

CR135

CR140

CR137

CR143

CR145

CR146

LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 7.42

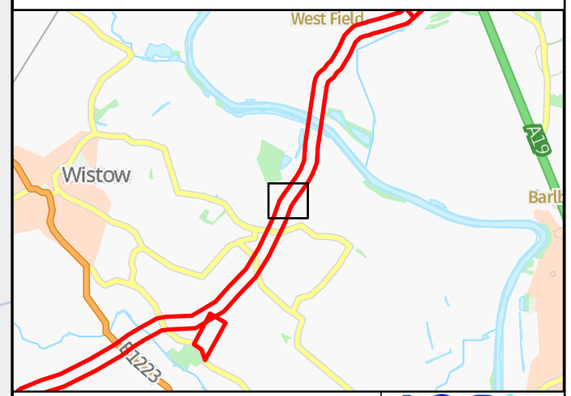
Processed Gradiometer Data: XY Trace: CR136, CR129

Legend

Red Line Boundary

50nT

-50nT



0 40 m

N

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,000

Page Size: @ A3

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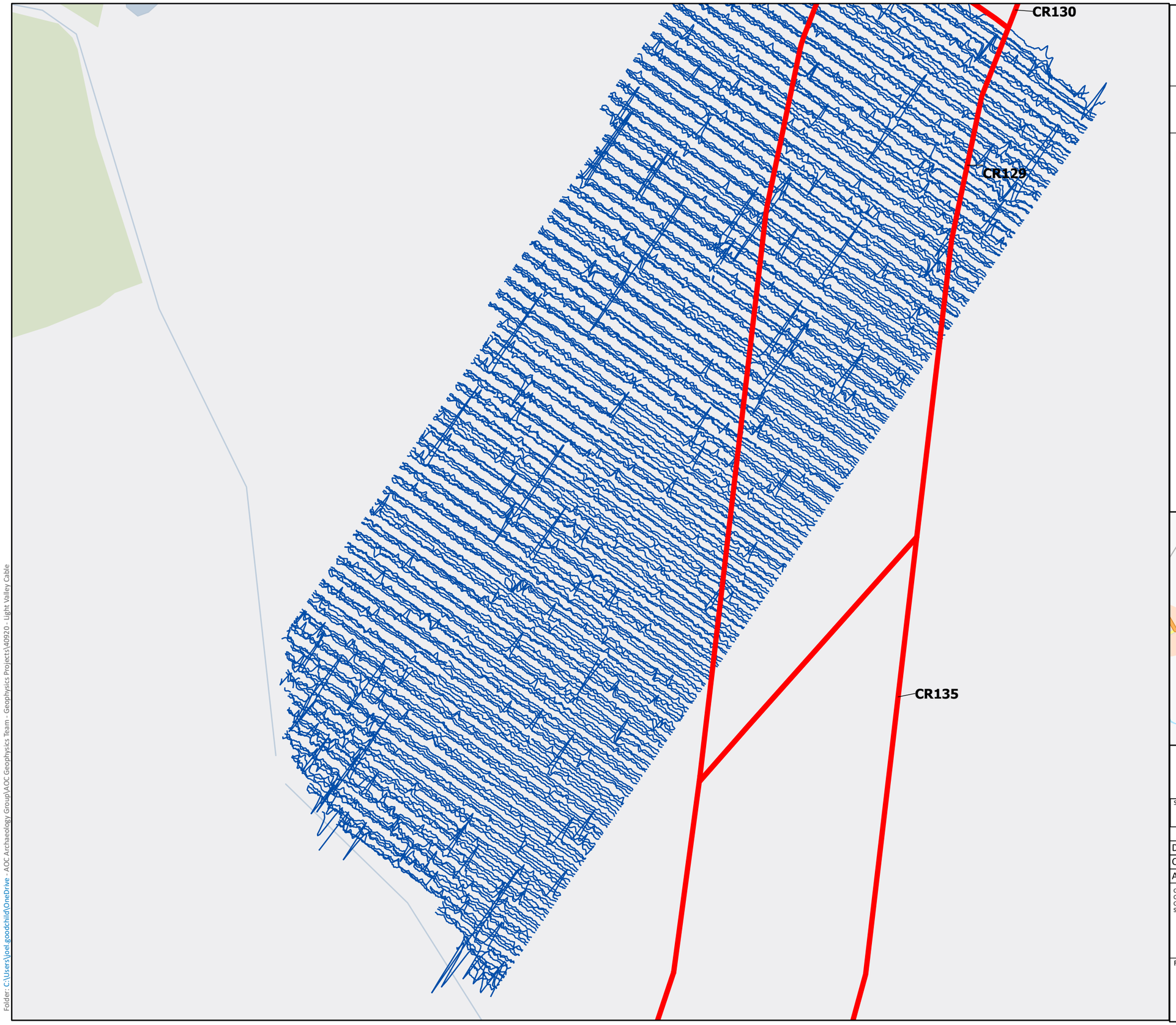
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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 7.43

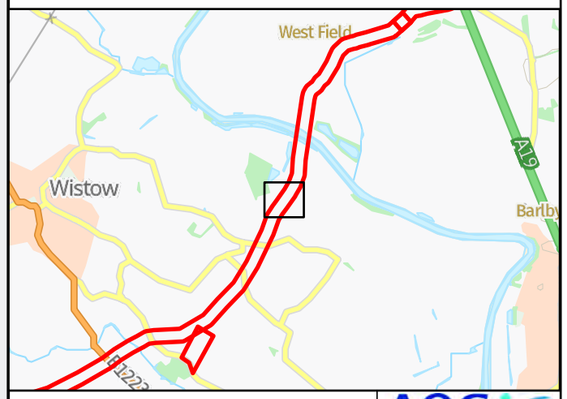
Processed Gradiometer Data: XY Trace: CR129

Legend

Red Line Boundary

50nT

-50nT



0 N 40 m

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Scale: 1:1,000

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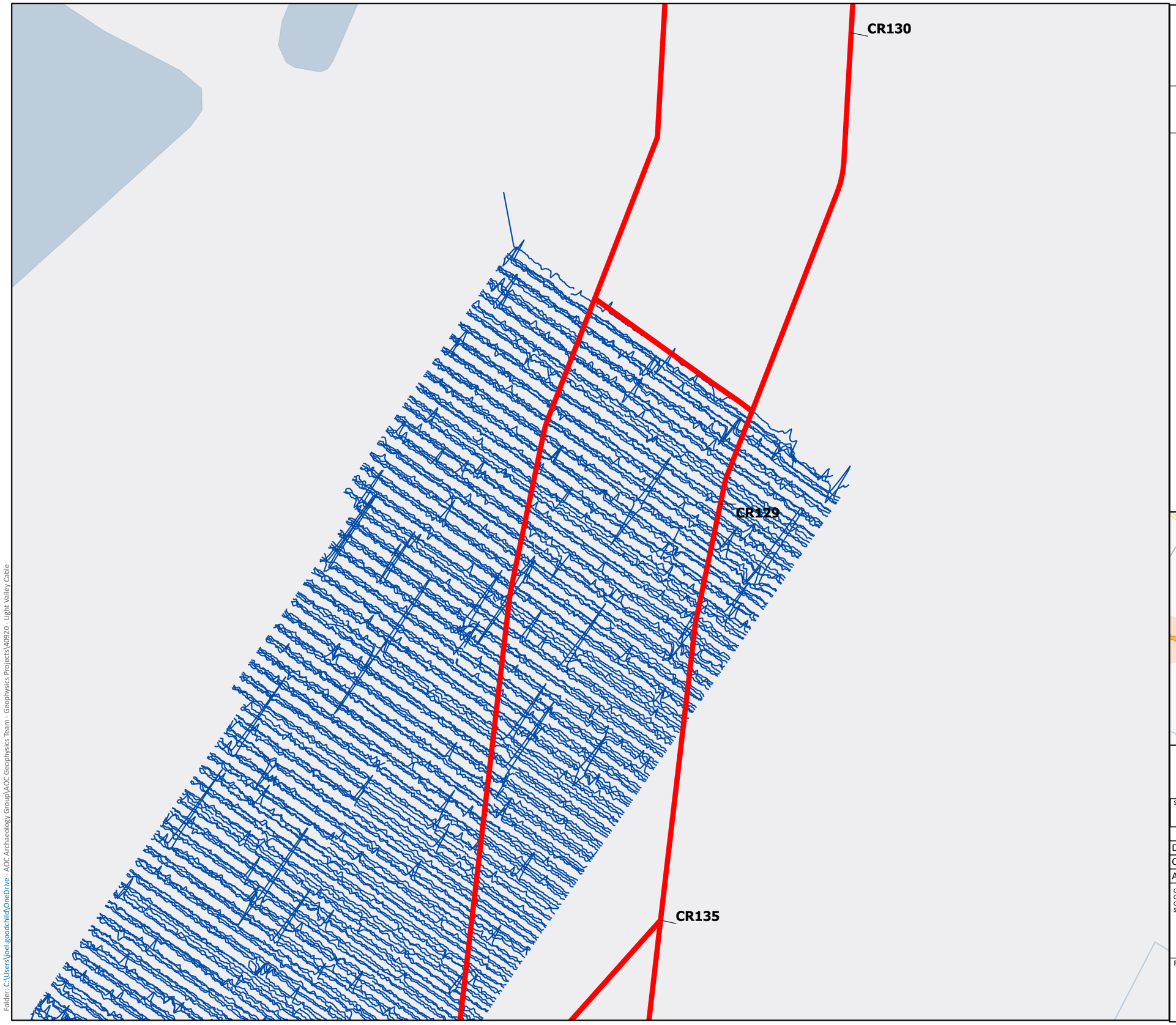
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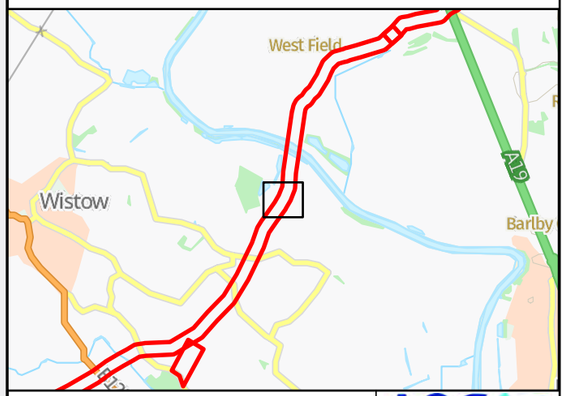
Figure 7.44	Processed Gradiometer Data: XY Trace: CR129

Legend

Red Line Boundary

50nT

-50nT



0 N 40 m

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Datum: OSGB 1936

Scale: 1:1,000

Page Size: @ A3

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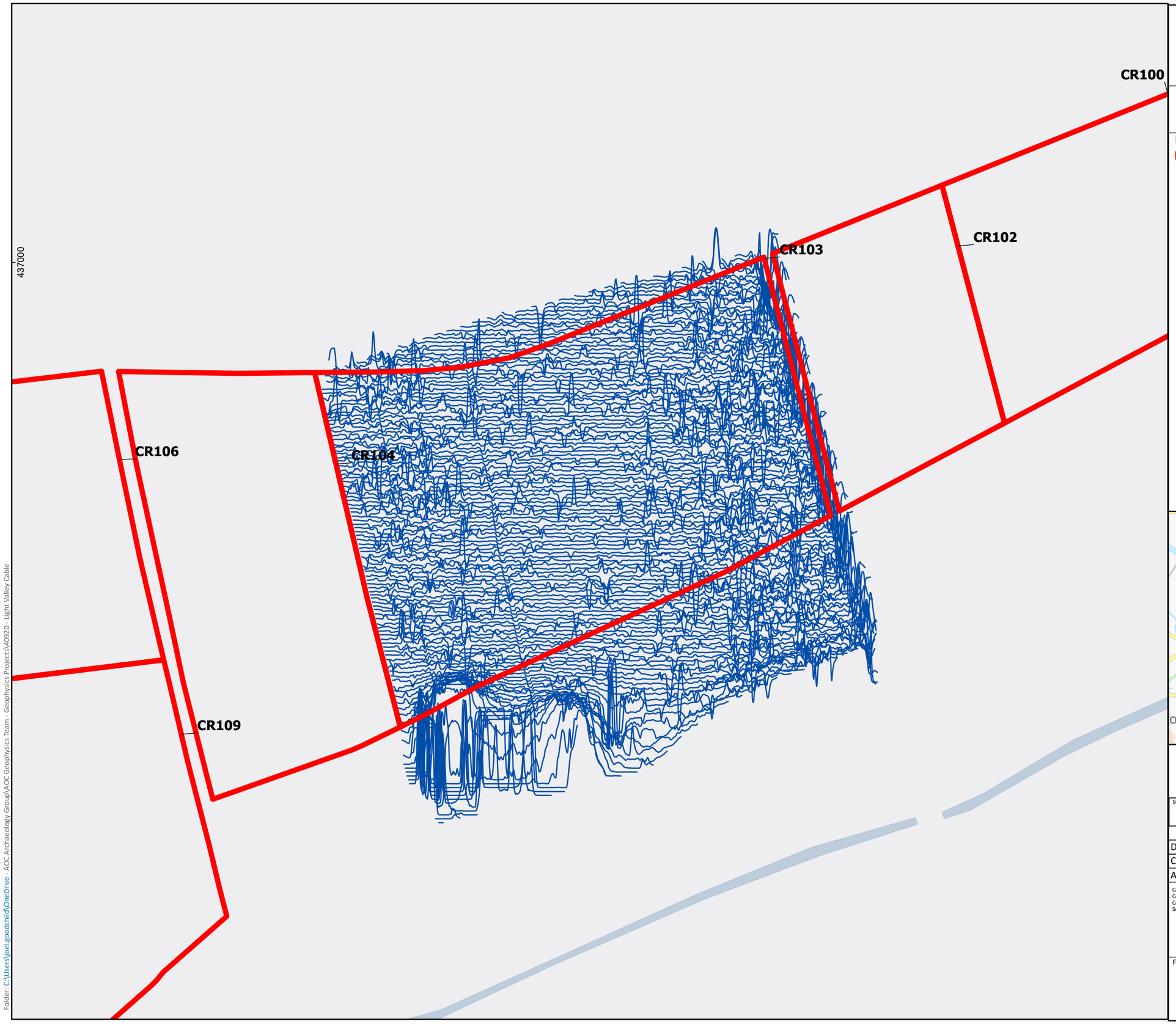
Figure 7.45	Processed Gradiometer Data: XY Trace: CR103

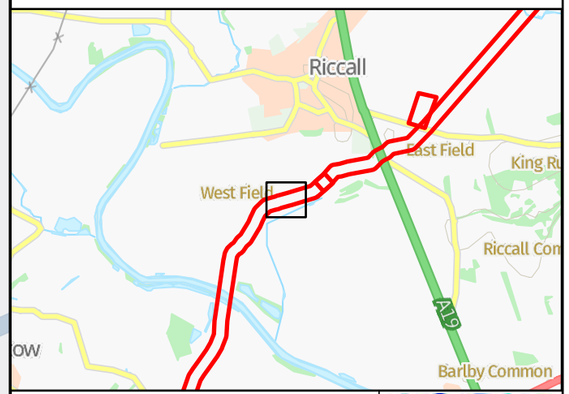
Legend

Red Line Boundary

50nT

-50nT





0 40 m

N

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Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,000

Page Size: @ A3

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Figure 7.46

Processed Gradiometer Data: XY Trace: CR98

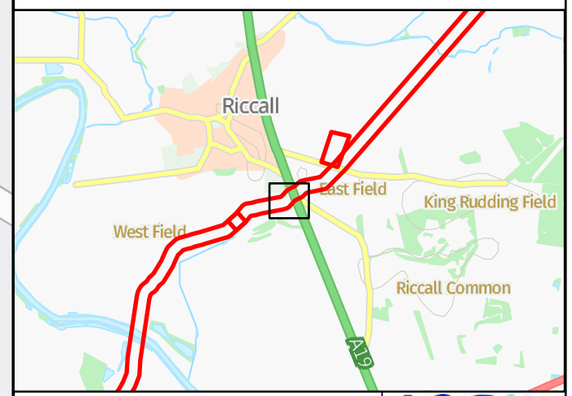


Legend

- Red Line Boundary

50nT

-50nT



0 40 m

N

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Datum: OSGB 1936

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

Figure 7.47

Processed Gradiometer Data: XY Trace: CR93, CR94, CR96

Legend

Red Line Boundary

50nT

-50nT

CR93

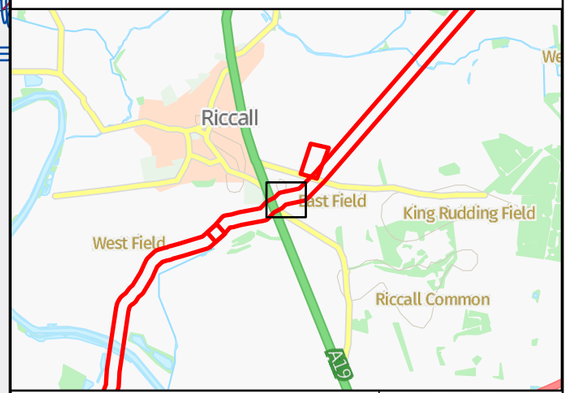
CR94

CR96

CR98

A19

Selby Rd



0 40 m

N

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LIGHT VALLEY SOLAR: ARCHAEOLOGICAL GEOPHYSICAL SURVEY

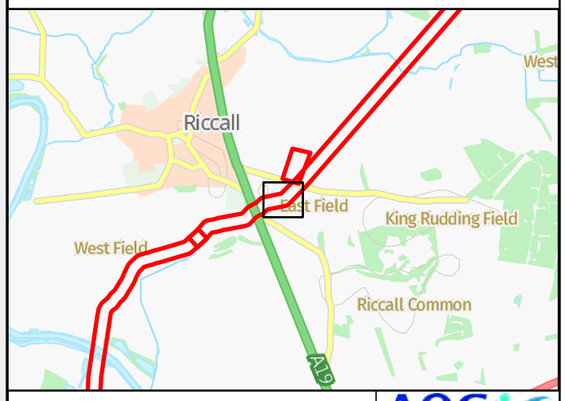
Figure	Processed Gradiometer Data: XY Trace: CR93, CR94, CR96
7.48	

Legend

- Red Line Boundary

50nT

-50nT



0 N 40 m

AOC Archaeology Group

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System: Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936

Scale: 1:1,000

Page Size: @ A3

Drawing Number: 05/40920/GEO/P8/

Drawn by:	JG	Date:	12/01/2026 15:04	Version:	1.0
Checked by:	CS	Date:	12/01/2026 15:04	Status:	DRAFT
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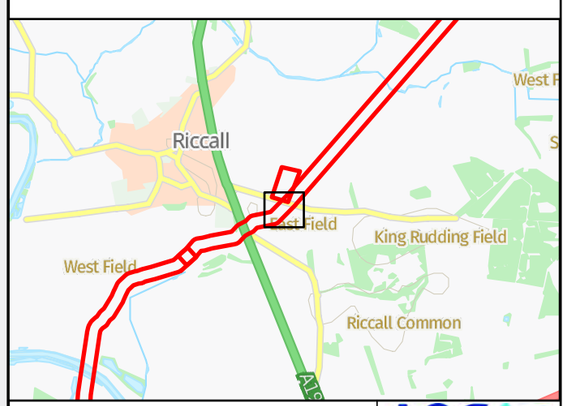
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Appendix 1: Survey Metadata

Oasis ID: aocarcha1-539916

Field	Description
Surveying company	AOC Archaeology Group
Data collection staff	Dan Shiel Jack Simpson Thomas Currie Joel Goodchild John Conran Rob Legg Marguerite Hall Victoria Huggett
Client	Lanpro Services
Site name	Light Valley Cable Route
County	North Yorkshire
NGR	SE 57981 32544
Land use/field condition	Variable
Duration	7 months
Weather	Varied
Survey type	Gradiometer Survey
Instrumentation	Gradiometer survey: Trimble GXOR system, Bartington Grad 601-2 Bartington cart survey: Bartington Non-Magnetic Cart, two Bartington Grad 601-2, Trimble R10 GNSS System Sensys cart survey: Sensys MXPDA cart, five FGM650/3 sensors, Carlson GNSS System
Area covered	71ha
Download software	Grad601 PC Software v313, MLGrad601, Geoplot v4.0
Processing software	Geoplot v4.0, MultiGrad601 and TerraSurveyor
Visualisation software	AutoCAD LT 2019 / ArcGIS Pro
Geology	BGS 2026
Soils	Soilscapes 2026
Scheduled Monuments	NO
Known archaeology within red line boundary	YES
Historical documentation/ mapping of red line boundary	YES
Report title	Low Valley Cable Route, North Yorkshire: Archaeological Geophysical Survey

Project number	40920
Report author	Joel Goodchild, Rob Legg, Thomas Currie
Quality Checked by	Hannah Brown

Appendix 2: Archaeological Prospection Techniques, Instrumentation and Software Utilised

Gradiometer Survey

Gradiometer surveys measure small changes in the earth's magnetic field. Archaeological materials and activity can be detected by identifying changes to the magnetic values caused by the presence of weakly magnetised iron oxides in the soil (Aspinall *et al*. 2008: 23; Sharma 1997: 105). Human habitation often causes alterations to the magnetic properties of the soils and sediments present in the area (Aspinall *et al*. 2008: 21). There are two physical transformations that produce a significant contrast between the magnetic properties of archaeological features and the surrounding soil: the enhancement of magnetic susceptibility and thermoremanent magnetization (Aspinall *et al*. 2008: 21; Heron and Gaffney 1987: 72).

Ditches and pits can often be detected through gradiometer survey as the topsoil within and around settlements typically has a greater magnetisation than the subsoil, due to human activity. This enhanced material accumulates in cut features such as ditches and pits. Areas of burning or materials which have been subjected to heat commonly also have high magnetic signatures, such as hearths, kilns, fired clay and mudbricks (Clark 1996: 65; Lowe and Fogel 2010: 24).

It should be noted that negative anomalies can also be useful for characterising archaeological features. If the buried remains are composed of a material with a lower magnetisation compared to the surrounding soil, the feature in question will display a negative signature. For example, stone-built structures composed of sedimentary rocks that are less magnetic than the surrounding soils can appear as negative features within the dataset if the local soils and sediments are at all magnetised.

Ferrous objects – i.e. iron and its alloys - are strongly magnetic and are typically detected as high-value peaks in gradiometer survey data; small (in spatial terms) spikes are generally assumed to derive from ferrous material of recent origin (e.g. stray bits of farm equipment) in the topsoil, though archaeological sources cannot be ruled out. Broader dipolar anomalies and those with diagnostic characteristics of form will be assigned to other classifications based on their character, which might include archaeology, burning, modern ferrous or uncertain.

Although gradiometer surveys have been successfully carried out in all areas of the United Kingdom, the effectiveness of the technique is lessened in areas with complex geology, particularly where igneous and metamorphic bedrock is present or there are layers of alluvium or till between the surface and the layers of interest. All magnetic geophysical surveys must therefore take the effects of background geological and geomorphological conditions into account.

Gradiometer Survey Instrumentation and Software

AOC Archaeology's hand-held gradiometer surveys are carried out using Bartington Grad601-2 magnetic gradiometers. The Grad601-2 is a high-stability fluxgate magnetic gradient sensor, which uses a 1m sensor separation. The detection resolution is from 0.03 nT/m to 0.1nT/m, depending on the sensor parameters selected, making the Grad601-2 an ideal instrument for prospective survey of large areas as well as detailed surveys of known archaeology. The instrument stores the data collected on an on-board data-logger, which is then downloaded as a series of survey grids for processing.

Following the survey, gradiometer data is downloaded from the instrument using Grad601 PC Software v313. Survey grids are then assembled into composites and enhanced using a range of processing techniques using Geoscan Geoplot v4.0 (see Appendix 3 for a summary of the processes used in Geoplot to create final data plots).

Bartington Non-Magnetic Cart Instrumentation and Software

AOC Archaeology's cart-based surveys are carried out using a Bartington Non-Magnetic Cart. The cart enables multiple traverses of data to be collected at the same time, increasing the speed at which surveys may be carried out and offers the benefits of reduced random measurement noise and rapid area coverage (Schmidt *et al.* 2015, 60-62; David *et al*. 2008, 21).

The cart uses a configuration of four Grad-01-1000L sensors mounted upon a carbon fibre frame along with two DL601 dataloggers and one BC601 battery cassette. The sensors are normally positioned at 1m intervals on a horizontal bar, with the datalogger taking readings every 12.5cm along each traverse, though this can be altered to increase / reduce resolution if required. The data is georeferenced via a Trimble R10 Real Time Kinematic (RTK) VRS Now GNSS GPS which streams data throughout survey and allows the data to be recorded relative to a WGS1984 UTM coordinate system.

The gradiometer data is collected through Geomar MLGrad601 software on a laptop in real-time during the survey. The data is downloaded and converted into a .xyz file in Geomar MultiGrad601 before being processed along with the GPS data in TerraSurveyor v4 (see Appendix 3 for a summary of the processes used in Terrasurveyor to create final data plots).

Sensys MAGNETO® MXPDA Non-Magnetic Cart Instrumentation and Software

AOC Archaeology's cart-based surveys are carried out using a Sensys MAGNETO® MXPDA push-cart magnetometer system. The cart enables multiple traverses of data to be collected at the same time, increasing the speed at which surveys may be carried out and offers the benefits of reduced random measurement noise and rapid area coverage (Schmidt *et al.* 2015, 60-62; David *et al*. 2008, 21).

The cart uses a configuration of eight FGM650/3 fluxgate gradiometer sensors mounted upon a frame along with data logging equipment and batteries. The sensors are normally positioned at 0.5m intervals along a horizontal bar, with the data being collected in a constant stream through the data acquisition unit MXPDA. The data is georeferenced via a Trimble R10 Real Time Kinematic (RTK) VRS Now GNSS GPS which streams data throughout survey and allows the data to be recorded relative to a WGS1984 UTM coordinate system. Whilst the cart is surveying, the data acquisition is visualised through a tablet PC which is mounted to the cart.

The data is downloaded via USB and converted using DLMGPS and Geoserver, before being processed (compensated) using Terrasurveyor (see Appendix 3 for a summary of the processes used in Terrasurveyor to create final data plots).

Appendix 3: Summary of Data Processing

Process	Effect
Clip	Limits data values to within a specified range
De-spike	Removes small spatial scale exceptionally high readings in the data. In resistivity survey, these can be caused by poor contact of the mobile probes with the ground. In gradiometer survey, these can be caused by highly magnetic items such as buried modern ferrous objects.
De-stagger	Corrects a misalignment of data when the survey is conducted in a zig-zag traverse pattern.
Discard Overlap (TerraSurveyor)	Removes datapoints which occur too closely together and can cause digital artefacts in the data which are caused by the overlapping of parallel traverses.
Edge Match	Counteracts edge effects in grid composites by subtracting the difference between mean values in the two lines either side of the grid edge from one of the grids.
Filter (MAGNETO)	Much like a zero mean traverse, it resets the median value of each point to zero, in order to address the effect of striping in the data and counteract edge effects. In MAGNETO the individual values take into account the value of all uncorrected points within a certain distance to create its own median.
GPS Filter (MAGNETO)	Used to either remove or reduce the appearance of constant and reoccurring features that are not consistent with the GPS signal in use by the cart system.
High pass filter	Removes low-frequency, large spatial scale variance in order to remove background trends in the data, such as variations in geology.
Interpolate	Increases the resolution of a survey by interpolating new values between surveyed data points, creating a smoother overall effect.
Low Pass filter	Uses a Gaussian filter to remove high-frequency, small spatial scale variance, typically for smoothing the data.
Periodic Filter	Used to either remove or reduce the appearance of constant and reoccurring features that distort other anomalies, such as recent plough lines.
Remove Turns (TerraSurveyor)	Uses analysis of the direction of travel derived from the GNSS data to break continuous streams of data into individual traverses.
Zero Mean Grid	Resets the mean value of each grid to zero, in order to counteract grid edge discontinuities in composite assemblies.
Zero Mean Traverse	Resets the mean value of each traverse to zero, in order to address the effect of striping in the data and counteract edge effects.

Processing Steps

Gradiometer survey	
Process	**Extent**
Zero Mean Traverse	All LMS =on, threshold -5 to 5
De-spike	X=1 Y=1 Thr = 3 Repl = Mean
De-stagger	All grids dir Shift = 2 Line Pattern 34-78 Dual-DS
Low Pass filter	X=1 Y=1 Wt=G
Interpolate	Y, Expand – Expand –SinX/X x2
Palette Scale	Grey08 Min= -1nT Max= 2nT

Bartington Cart survey	
Process	**Extent**
Base Settings	Interval 0.121m, Track Radius 1.06m
Remove Turns	Threshold Angle 90°, Cut Length 5m
Discard Overlap	Threshold Distance 0.4m, Minimum Track 5, Newest
Despike	Mean Diameter 3 Threshold 12
Destripe	Mean Traverse SD 1.5
High Pass Filter	Uniform (Median) 12
Clip	-100/100

Sensys Cart survey	
Process	**Extent**
Filter	Moving median with 15 metre rolling median (import with a minimum of 5 GPS points)
GPS filter	1Hz with angle correction
Clip	No compensation
Interpolate	X = 0.2 metres, Y = 0.2 metres Interpolation output = Bi-linear triangle
Raw Palette Scale	User colour palette (256 colours) Min= -5nT Max= 5nT
Palette Scale	User colour palette (256 colours) Min= -5nT Max= 5nT

Appendix 4: Technical Terminology

Type of Anomaly	Description of Type/Class and rationale for interpretation
Anomaly	Usually linear / curvilinear / rectilinear / discrete anomalies characterised by a sharp-edged increase or decrease in values compared to the magnetic background. Some interpretation classes may have more gradual transitions in magnetic character- this is used as part of the classification process.
Spread	Spreads of enhanced material refer to diffuse areas of altered magnetic character, which suggest a localised spread of material with a magnetic contrast within the topsoil or ploughzone or a generalised enhancement of the magnetic properties over a specific area. These anomalies do not have the high dipolar response characteristic of ferrous material anomaly unless specifically classified as a spread of ferrous debris.
Linear Trend	Linear trends are less distinct and are typically visible as linear patterning in the overall texture of the data. A common example of these is the striping effect caused by recent ploughing.

Class of Anomaly	Description
Probable Archaeology	Interpretation is supported by the presence of known archaeological remains or by other forms of evidence such as HER records, LiDAR data or cropmarks identified through aerial photography. OR the data contains diagnostic anomalies in terms of character or morphology which allow a secure interpretation. Anomalies typically have well defined edges with abrupt transitions indicative of cut features with magnetically enhanced fills, such as ditches. Discrete anomalies will be checked on XY traces for their magnetic character; discrete anomalies in this class likely to be cut features such as pits; anomalies indicating high temperature processes will alternatively classified as 'burned area' - see below. Ferrous material creates distinct 'spikes' and is classified as such.
Possible Archaeology	Anomalies are interpreted as likely to have an archaeological origin, though other explanations are also possible, but less likely. Anomalies typically have well defined edges with abrupt transitions indicative of cut features with magnetically enhanced fills, such as ditches. Discrete anomalies checked on XY traces; discrete anomalies in this class likely to be cut features such as pits; anomalies indicating high temperature processes classified as 'burned area' - see below.
Burned Area	An anomaly with a form on the XY trace plot that is characteristic of high temperature activity such as a kiln or hearth. Should be considered as possible archaeology and should be assigned an anomaly number if a more specific interpretation is possible based on the anomaly characteristics (for example, a clear kiln) so that this can be discussed in text.
Historical Features	Features observed on historical mapping that correspond with anomalies in the data. Linear anomalies caused by removed field boundaries often exhibit distinct characteristics related to the removal process. Areas of enhanced magnetism in this class could relate to former buildings, trackways, quarries or ponds and their nature should be clarified with the use of anomaly numbers and discussion in the results section.
Unclear Origin	These anomalies are (often) magnetically weak and discontinuous or isolated making their context difficult to ascertain. OR they are indistinct for other reasons such as magnetic disturbance in their vicinity. Anomalies in this category have no more likely explanation than another, so whilst an archaeological origin is possible, an agricultural, geological, or modern origin is also equally likely.
Agricultural	Anomalies associated with agricultural activity, either historical (unless shown on a map, then classed as a historical feature) or modern. Usually, this interpretation is arrived at due to on the ground observations of (for example) ploughing, access tracks and the like, or from observation of recent aerial images of the red line boundary. Recent ploughing is shown as a dashed line and Ridge and Furrow ploughing is shown as a solid line.
Ridge and Furrow / Rig and Furrow	A series of regular linear or slightly curvilinear anomalies which are broad and usually have diffuse edges, either composed of an increased or decreased magnetic response compared to background values. Wide regular spacing between the anomalies is consistent with that of a ridge and furrow / rig and furrow ploughing regime, and the regime may also have a degree of sinuosity characteristic of certain types of ridge and furrow cultivation. Often, multiple directions will be present, with distinct headlands in between. The pattern might follow the general landscape organisation, or it may radically differ from it, depending on the local sequence of inclosure. The anomalies often present as a positive 'ridge' anomaly adjacent to a negative 'furrow' anomaly.
Ploughing Trends	A series of regular linear anomalies or changes in the texture of the survey data, either composed of an increased or decreased magnetic response compared to background values. Anomalies seen parallel to field edges are representative of headlands caused by ploughing.
Drains	A series of magnetic linear anomalies (often with a characteristic alternating positive-negative pattern, which indicates a ceramic drain) of an indeterminate date, usually with a regular dendritic or herringbone patterning which reflects the topography of the red line boundary.
Geology / Natural	An area of enhanced magnetism that is composed of irregular (usually) weak increases or decreases in magnetic values, frequently with gradual transitions in character, compared with background readings. These are likely to indicate natural variations in soil composition or reflect variations in the bedrock or superficial geology. In areas where former water courses were present, paleochannels may present as distinct curving and banded or braided linear anomalies.
Service	Strong linear anomalies often composed of contrasting high positive and negative dipolar values, with a halo of magnetic disturbance extending from the causative body. Such anomalies are characteristic of below-ground services.
Magnetic Disturbance	A zone of strong magnetic response (usually alternating between positive and negative with abrupt transitions) that has been caused by modern infrastructure or ferrous material within or adjacent to the red line boundary, such as metallic boundary fencing, gateways. The magnetic haloes around services and changes in the background texture of the data resulting from overhead power lines also fall into this class. These haloes are strong enough to obscure other anomalies (including those of possible archaeological interest) in the area they affect.
Ferrous Anomalies / Ferrous (iron spikes) and ferrous or debris spreads	A response caused by ferrous materials on the ground surface or within the subsoil, which causes a strong but localised dipolar response in the data. These generally represent modern material often re-deposited during manuring, rubbish at field edges and spreads of debris or building material used to surface tracks or left behind following demolition. Distinct from magnetic disturbance, these anomalies relate to material at their spatial location, rather than an effect occurring at a distance from the material responsible.
Free Category for custom use	A category which may be employed to denote specifically identified anomalies related to known past activity within the area, for example those definitely associated with a former airfield, or mapped former mineral extraction.











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