

West Burton Solar Project

Environmental Statement Appendix 13.4: Air Photo and LiDAR Mapping and Interpretation Reports

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LIDAR AND AIR PHOTO
MAPPING, INTERPRETATION AND ANALYSIS
FOR ARCHAEOLOGICAL APPLICATIONS



Air Photo and LiDAR Mapping and Interpretation for the
West Burton Solar Project and Cable Routes
Lincolnshire and Nottinghamshire

January 2023

Project number 2223003

Undertaken by Alison Deegan BSc MCIfA

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Commissioned by

Lanpro



Summary

This report concerns the results of interpretation and mapping of archaeological features from air photos and LiDAR imagery for the West Burton Solar Project, comprising the West Burton 1, 2 and 3 sites and the cable routes to West Burton Power Station.

This survey has mapped and recorded elements of medieval and post medieval landscapes, including well preserved settlement earthworks. It has also tentatively identified a small number of features of possible Iron Age or Roman date and several features of uncertain origin.

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1 Introduction

1.1 Client details

1.1.1 This survey of levelled and upstanding archaeological and historical remains using existing air photos and LiDAR data was commissioned by Lanpro for the West Burton Solar Project, comprising the West Burton 1, 2 and 3 sites and the cable routes to West Burton Power Station.

1.2 The survey area (see Figure 1)

1.2.1 This survey concerns the West Burton Solar Project, comprising the West Burton 1, 2 and 3 sites and the cable routes to West Burton Power Station. West Burton 1, 2 and 3 sites lie on the east side of the River Trent in the county of Lincolnshire between Broxholme and Stow Park. West Burton power station sits on the west bank of the River Trent in Nottinghamshire. The survey area covers the footprint of the constituent sites of the West Burton Solar Project, the cable routes and land to either side to variable distances, which reflect the original corridor options. To avoid duplication of effort, areas covered by the recent air photo and LiDAR survey for the Gate Burton Energy Park were not re-examined for this project (Deegan 2022). Relevant sections of the Gate Burton survey are reproduced in the figures and in the catalogue of features in this report.

1.2.2 For ease of description the air photo and LiDAR survey area is divided into parcels of land, which are referenced in the format **AP1** etc in this report. Some of these correlate directly with parcels used by the geophysical surveys undertaken for this same project and where they do so this is noted in the catalogue of features in Appendix 4.

1.2.3 Overall this survey area is rural in character and passes beside small scattered settlements: Broxholme and Ingleby in Lincolnshire, Coates, Fenton and Sturton le Steeple in Nottinghamshire.

1.2.4 The bedrock geology runs in bands of varying width north to south across the survey area and its environs (Geology of Britain Viewer). Working west to east the geology comprises:

- Mercia Mudstone Group (**AP244-301**)
- Penarth Group Mudstone (part of **AP215**)
- Scunthorpe Mudstone Formation, interbedded mudstone and limestone (**AP175-211, AP213 -220, AP223-224** and **AP 228-231**) and east of that
- Charmouth Mudstone Formation (**AP161-171**)

1.2.5 Alluvium is present along the River Trent flood plain and along the River Till at Broxholme and there are Holme Pierrepoint sands and gravels along the river's terraces.

1.2.6 A brief overview of the uses of air photos and LiDAR for archaeological remote sensing is provided in Appendices 1 and 2.

2 Methodology

2.1 Data sources

2.1.1 The following data sources were examined between 24th August and 8th November 2022:

- Environment Agency LiDAR data, 1m resolution Digital Terrain Model and Digital Surface Model
- Google Earth imagery captured between 2003 and 2022,
- Bing imagery, undated imagery,
- Historic England Archive (HEA), 613 vertical air photos from 56 different sorties flown 1945 to 1994 and 301 obliques air photos taken between 1972 and 2015 covered this and the neighbouring Cottam Solar Project (see Appendix 4 for full list),
- the relevant Nottinghamshire and Lincolnshire Historic Environment Record (HER) monument and event records,
- Historical Ordnance Survey and earlier maps were examined via the National Library of Scotland website [REDACTED]

2.1.2 The AP and LiDAR survey area is covered by the Royal Commission on the Historical Monuments of England's National Mapping Programme (NMP): specifically the Nottinghamshire NMP Project and the Lincolnshire NMP project. Both were completed in the late 1990s and they produced hand-drawn maps. Although these maps are now out-of-date in terms of the methodology and the sources available, they were consulted alongside the resources listed above because they inform many of the Historic Environment Records. Digitised versions of these maps are available through Historic England's Aerial Archaeology Mapping Explorer [REDACTED]

2.2 Processing and mapping

2.2.1 LiDAR data at 1m resolution was obtained from the Environment Agency in geotiff format. This was processed in the Relief Visualisation Toolbox 2.2.1. 16-direction hill-shaded visualisations were generated for the Digital Surface Model (DSM) and Digital Terrain Model (DTM) and Simple Local Relief Model models were generated for the DTM.

2.2.2 The digital aerial images delivered online by Google Earth were examined on screen. Relevant portions were captured for georeferencing and digitisation of archaeological features.

2.2.3 The digital air photos held by the HEA were examined online via the Aerial Photograph Explorer [REDACTED]

2.2.4 The vertical and obliques air photographic prints held by the HEA were examined systematically,

Air photo and LiDAR mapping and interpretation: West Burton Solar Project and Cable Routes using x2 magnification where necessary and stereoscopically, where possible, during visits to the HEA in Swindon. Selected prints were then photographed with a hand-held digital camera to enable rectification and digitisation of archaeological features.

2.2.5 The various captures and the digital copies were rectified to the ground control points derived from Ordnance Survey map data and the LiDAR visualisations using Aerial5.36. AERIAL5.36 gives error readings for each control point, where 5 or more control points are used. In all cases errors of within $\pm 3\text{m}$ were achieved for the control points. However this may not reflect the on-the-ground positional accuracy of the features mapped since these tend to lie between rather than at the control points.

2.2.6 All LiDAR visualisations and rectified image captures were examined methodically and in detail in the GIS (MAPInfo Professional 17) and with reference back to the original prints, where possible. Archaeological features were mapped to a scale of 1:2500 in detail and accuracy and data pertaining to each feature was recorded in the MapInfo table. This dataset is structured as follows:

APNUMBER	AP land parcel reference number
PARCEL	Corresponding land parcel reference used for the geophysical surveys
LAYER	Indicates nature of feature depicted eg bank, ditch, ridge and furrow, modern etc
PERIOD	Period
TYPE	Historic England Monument Type Thesaurus term
EVIDENCE1	Evidence (earthwork, structure, soilmark, parchmark, cropmark) as features appears on SOURCE1
SOURCES1	Reference to individual air photos or source eg Google Earth and EA LiDAR data
EVIDENCE2	Evidence (earthwork, structure, soilmark, parchmark, cropmark) as features appears on SOURCE2
SOURCES2	Reference to individual air photos or source eg Google Earth and EA LiDAR data (used to record good alternative sources or condition change since source1)
HER	Historic Environment Record monument number (where applicable)

3 Results

3.1.1 The results of this survey are presented on Figures 2 to 8 and a brief overview by period is provided below. Features have been catalogued and described according to pre-allocated land parcels (see Appendix 4).

3.1.2 Details including type, period and sources for individual archaeological features can be accessed in the digital version of the mapping (see 2.2.6). All attributions of date and type are open to re-interpretation.

3.1.3 In the follow text and in Appendix 4 the prefix **AP** indicates monuments recorded by this survey, **MNT** indicates a Nottinghamshire HER monument record, **MLI** indicates a Lincolnshire HER monument record and **NLHE** indicates a Scheduled Monument. The prefix **GB** indicates monument recorded by the earlier survey for the Gate Burton Energy Park (Deegan 2020).

3.2 Distribution of the evidence

3.2.1 The air photos range widely in date and include digital and print, colour and black and white, vertical and oblique formats. They have revealed archaeological features as earthworks, cropmarks and, less frequently, as soilmarks. The historical air photos indicate that in the late 1940s and early 1950s fairly extensive earthworks, mostly medieval or post medieval ridge and furrow survived across the survey area.

3.2.2 The specialist air photos, which focus on archaeological and historical targets are concentrated in those areas with good surviving earthworks and in particular those with Scheduled Monument protection. There are relatively few specialist air photos of cropmarked or soilmark sites, except on the west side of the River Trent at between Coates and North Leverton.

3.3 Neolithic and Bronze Age

3.3.1 No cropmarked, soilmark or earthwork features of known or possible Neolithic or Bronze Age date were identified by this survey.

3.4 Iron Age and Roman

3.4.1 Cropmarks of possible or likely Iron Age or Roman features have been observed on the air photos.

3.4.2 East of the river near Ingleby, a rectangular enclosure is visible on Google Earth imagery captured in 2015 (**AP200**). This feature was not visible on any of the HEA vertical air photos or captured by Historic England (and its predecessors) aerial reconnaissance. As such, it demonstrates the potential for features of this date to remain undetected in this area.

3.4.3 The air photo and LiDAR survey undertaken for the Gate Burton Energy Park revealed an extensive

Air photo and LiDAR mapping and interpretation: West Burton Solar Project and Cable Routes landscape of Iron Age and/or Roman fields, trackways and enclosures on the west side of the River Trent, between Outgang Lane and Northfield Road (Deegan 2022, Figure 7). These features continue into this survey's area in **AP256** and **AP260** and possibly into **AP265** and **AP270**.

3.5 Medieval and post medieval settlement remains

- 3.5.1 Where the solar project areas or cable routes lie or run close to the historical settlements and foci then there is the potential to encounter earthwork and buried medieval or post medieval settlement remains and associated features.
- 3.5.2 The survey area excludes the core of the medieval settlement earthworks at Broxholme, which lie between Manor Farm and Church Lane and have Scheduled Monument protection (**NHLE1016797**, **MLI50523**). However, there are possible crofts to the north and south of this area in **AP162** and **AP167**.
- 3.5.3 There are extensive medieval and post medieval earthworks between Ingleby Grange and Ingleby. The area of the large rectangular moat north of Ingleby Grange (**MLI50306**), the moated Hall Farm (**MLI54225**), and the slightly denuded settlement earthworks on the west side of Sturton Road lie just outside the boundary of the West Burton Solar Project. They have been partly mapped by this survey where they are physically linked to earthwork that lie within the project's boundary. Within this survey's area there are well-preserved settlement earthworks in **AP181**, and **AP185-188**. Part of **AP181** is a Scheduled Monument (**NHLE1003570**). The Scheduled area overs the land west of Sturton Road, includes the surviving portion of the Hall Farm moat to the north and ends at a drainage ditch to the south. The eastern boundary of the Scheduled area appears to be arbitrary, it runs across several distinct archaeological features and there is no discernible difference in the condition of the earthworks inside and outside of the protected area.
- 3.5.4 The main focus of the medieval settlement appears to have been along and between the two hollow ways that converged south of Hall Farm (**AP181** and **AP185**). The evidence includes crofts, tofts and building platforms and low, grassed over, building remains. Around this there are small strip fields with ridge and furrow. The HER monument record identifies this as North Ingleby (**MLI54225**).
- 3.5.5 There are further settlement plots along Sturton Road (in **AP185-188**), and between Sturton Road and the rectangular moat at Ingleby Grange (**AP185**). The HER monument record identifies these remains collectively as South Ingleby (**MLI50535**).
- 3.5.6 The remains of 'Aldhagh', a monastic grange are located off Cowdale Lane, near Aldhow Grange, (**MLI52793**). Although these remains survived as earthworks in the 1940s they were subsequently ploughed. Air photos show that the action of ploughing is disturbing these features bringing pale limestone material to the surface from the buried remains of walls and buildings (**AP201**).
- 3.5.7 At Stow Park, the site of archbishop's palace and two sections of park pale are a Scheduled

Air photo and LiDAR mapping and interpretation: West Burton Solar Project and Cable Routes Monument covered by three discrete areas of protection (**NHLE1019229**). The protected area of the palace, comprising the moated platform on which it stood, the moat and adjacent fishponds all lie outside of the boundary of the West Burton Solar Project but have been recorded by this survey.

- 3.5.8 The moat is defined by a broad deep ditch around which the LiDAR imagery shows a low and spread bank. This may be the remains of a constructed feature or upcast accumulated from the digging, and later the maintenance, of the moat ditch. Part of this outer bank falls within parcels **AP204** and **AP207**, and **AP203** covers a section of the moat ditch and the outer bank, however there are no visible elements of the ditch or bank within the project's boundary.
- 3.5.9 There are three sets of ponds, one to the east of the moat, another to the north-west and a large hollow to the north-east. All are within the Scheduled Area. **AP205** clips the corner of the hollow at the north-east corner. Air photos taken in the 1940s show this as a sub-square area enclosed by a hedge. Two dark features run across the area but it is not clear if these are ponds or short hedges. More recently this enclosed area was divided into two; a larger pond was cut into the south-west corner of the enclosure and the smaller, north-east corner was merged into the neighbouring field. The latter can still be detected as a shallow depression on the LiDAR imagery and it is this corner that lies within **AP205**.
- 3.5.10 Between the north side of the moat and pond complex and Till Bridge Lane air photos of various dates have recorded complex cropmarks, soilmarks and parchmarks (**AP204** and **AP205**). Together these suggest a rectangular enclosure bound by walls and a ditch. There are fine parchmarks indicating the position of internal structures or buildings and small pale toned soilmarks that suggest other buildings. A broad parchmark, running near parallel to and west of the current access road to Moat Farm is probably an earlier road, though it is not known if this is contemporary with the archbishop's palace complex or a later feature. Most of these features lie outside of the boundary of this project.
- 3.5.11 The sections of the Stow Park boundary that have Scheduled Monument protection lie along the west edge of **AP209** and **AP210** and in **AP201**. It is noted that the ditch in **AP206** aligns with the section of park pale in **AP201**, but the documented boundary of the park lies further to the east (**MLI50418**).
- 3.5.12 West of the river in Nottinghamshire there are possible crofts in the small village of Fenton (**AP266**). These remains and the occupied plots on the south side of the road, were separated from the core of the village by the Catchwater Drain (see Section 3.7.3). These remains have been levelled.
- 3.5.13 Crofts and enclosures are present on either side of Church Street and Low Holland Lane at Sturton le Steeple (in **AP271**, **AP272** and **AP273**). The remains on the south side of Church Street have been levelled, but the others survive as earthworks.

- 3.5.14 Further north in the same village there are traces of a small croft and hollow (**AP286**), these have now been levelled.
- 3.5.15 West Burton medieval settlement is a Scheduled Monument, it lies outside of the area of this survey, between West Burton power station and an old meander in the River Trent (**NHLE1017741, MNT15468**). Just to the south of this settlement and within the survey area, historical air photos show a small near-square enclosure and drains or field boundaries (**AP297**). This enclosure is separated from the West Burton settlement by a substantial water channel (see Section 3.7.2 and 3.7.4) and is outside of the Scheduled area, but it may have been associated with the settlement. This feature has now been levelled.
- 3.5.16 North of Sturton le Steeple, between Lowfield Road and the power station complex, there are potential medieval earthworks of uncertain function (**AP289**). The LiDAR imagery shows a heavily truncated arrangement of banks and two long, shallow hollows. On air photos taken in the 1940s earthwork ridge and furrow obscures the hollows, and hedges follow and conceal the banks. It is unclear if these features are the low earthwork remains an enclosure with an annex or hollow way to the north and fishponds to the south or if these are simply the remains of plough headlands and two, more deeply-cut, plough furrows.

3.6 Medieval and post medieval ridge and furrow

- 3.6.1 Evidence for medieval and early post medieval cultivation, specifically ridge and furrow and plough headlands, has been detected across many parcels in the survey area on the historical and recent imagery.
- 3.6.2 In the middle of the 20th century there were extensive cultivation earthworks between Sturton le Steeple and West Burton (**AP266, AP271-277, AP277-278, AP282-283, AP286-290, AP292-293, AP296-300**), and at Ingleby (**AP178-179, AP181-189**).
- 3.6.3 However, in the second half the 20th century, large areas of formerly well-preserved ridge and furrow were levelled by ploughing.
- 3.6.4 Extensive earthwork ridge and furrow survives around Ingleby (**AP181, AP185-187**), and in smaller pockets in fields to the south of Stow Park (**AP201**), around the settlement remains at Sturton le Steeple (**AP273, AP272, AP266**) and in field to the south of the West Burton power station (**AP289**). This is significant not only for these earthworks themselves but for earlier features that may be sealed beneath the medieval plough soil.
- 3.6.5 The LiDAR imagery reveals that very low remains of plough headlands can persist where the plough ridges have been levelled, for example east of Broxholme (**AP162-167**) and south of West Burton power station (**AP289-290** and **AP297**).
- 3.6.6 It can be difficult to distinguish denuded medieval plough headlands from the remnants of much later post medieval field boundaries. Although the latter are often still extant on the historical air

Air photo and LiDAR mapping and interpretation: West Burton Solar Project and Cable Routes photos or 19th century OS maps it seems likely that some were laid out along the earlier plough headlands.

3.7 Post medieval farmsteads, drainage projects and extractive pits

- 3.7.1 **MLI52555** describes earthworks running along the railway line in **AP201** as ‘medieval mounds’. However, these sharply-defined earthworks overlie medieval or post medieval ridge and furrow and were probably created from upcast material from the adjacent railway cutting.
- 3.7.2 Chapman’s 1794 map shows a water channel named as ‘Catch Water Drain’ flowing northward from Rampton, passing North Leverton, Fenton and Sturton, then turning westward and entering the River Trent at West Burton on the outer bend of a meander.
- 3.7.3 Greenwood’s map of 1826, shows the original Catch Water Drain in a much truncated form, between Sturton and the river only. This map shows a second water channel, starting from Transwell and running approximately 300m to the east of its predecessor between Fenton and West Burton. This is named ‘Catchwater Drain’ on late 19th century Ordnance Survey maps, it is still in use and has not been mapped and recorded by this survey.
- 3.7.4 Sections of the original Catch Water Drain are visible as earthworks on historical air photos: along the western edge of **AP271**, between Fenton and Sturton le Steeple in **AP272**, and between Sturton le Steeple and the now-relict river meander in **AP297**. From SK7647 8499 to the river, the original Catch Water Drain is still well-defined and possibly actively maintained, but elsewhere it survives only as low spread earthworks and some air photos show evidence of intentional infilling and levelling.
- 3.7.5 In fields to the east of Coates there are low earthworks that are associated with infilled sections of Carr Drain (**AP245**). Carr Drain was depicted on Greenwood’s 1826 map but not on Chapman’s 1794 map.
- 3.7.6 In Stow Park, Bryant’s map of 1828 depicts a road running from Cowdale Lane in the south to Till Bridge Land in the north. The railway cut through this road in the mid 19th century and on the Ordnance Survey map of 1885 it is marked only by a line of trees. Remains of this road are visible as cropmarks and very low earthworks in **AP202** and **AP211**.
- 3.7.7 Ingleby Wood Farm (**MLI119092**) was still standing on air photos taken in the 1940s but has now been levelled.
- 3.7.8 **AP209** contains the levelled and infilled remains of a former brick yard, which is depicted and labelled on the Ordnance Survey map of 1885. Similar disturbances are recorded approximately 1km to the north in **AP213**, but there is no corresponding information on these historical maps. The later site has now been re-landscaped with a single large pond.

- 3.7.9 The remains of a post medieval windmill (**MLI52773**) appears as a soilmark on recent air photos, south of Ingleby Grange (**AP178**).

3.8 **20th Century Features**

- 3.8.1 No 20th century features were recorded for this survey.

3.9 **Features of uncertain date and origin**

- 3.9.1 In this survey area, numerous ditches were identified and mapped for which no date is suggested, for example in **AP260** and **AP265-266**. This is usually because they lacked defining characteristics, context or any other evidence to support specific date attributions.

4 Concluding remarks

- 4.1.1 This survey has demonstrated the presence of well-preserved medieval and/or post medieval settlement earthworks at Ingleby and the presence of more fragmentary and truncated remains of similar origin at Broxholme, Fenton and Sturton le Steeple.
- 4.1.2 It has shown that the medieval and post medieval agricultural remains that survived as earthworks across large parts of the survey area after the Second World War have now been heavily truncated or completely levelled. It has identified where small pockets of earthwork ridge and furrow persist and that plough headlands can survive as very low and spread earthworks.
- 4.1.3 This survey has recorded relatively few features of known or likely Roman or prehistoric date but the absence of evidence for such remains should not be taken as an absence of presence.

References and resources cited

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██████████
Chapman, J. 1794. Nottinghamshire. via ██████████

Geology of Britain Viewer. Viewed online at ██████████

Greenwood 1826 Map of the county of Nottingham from an actual survey made in the years 1824 & 1825. via

██████████
Ordnance Survey 25 inch and 6 inch scale maps. Various dates via ██████████

Appendix 1 Archaeology from black and white and colour air photographs

Air photographs and aerial imagery taken in appropriate conditions can record crop marks, soilmarks and earthworks of archaeological origin.

Crop marks result from variations in leaf and stalk colour and plant height and vigour. Crop marks occur where there are anomalies below the ground: in-filled hollows, palaeochannels, frost cracks, archaeological pits, ditches, surfaces and banks or modern disturbances such as land drains. Crop marks can also be created by variations in the treatment of the topsoil and ground cover, for example the uneven application of fertilizers, pesticides and herbicides or damage.

Crop marks that delineate buried and levelled archaeological features are the effect of differential growth and ripening between the vegetation on the archaeological deposits and that on surrounding undisturbed ground. Variations in growth and ripening are most visible when there is a significant difference in the water and nutrient availability between the archaeological and natural deposits. Crop marks can form at any stage from germination to ripening but the optimal conditions are during periods when precipitation is exceeded by transpiration. This results in potential soil moisture deficit (SMD) and water-stressed plants (Jones and Evans 1975). Prolonged periods of SMD halt plant growth and then cause wilting of the plant leaves, stem and finally root. Water-stress is exacerbated by free-draining sub-surface deposits such as archaeological walls or road surfaces but mitigated by rich and humic ditch and pit deposits. Even after ripening, differences in crop height and bulk can indicate the presence of buried features where there are no tonal differences. Crop marks can be seen most clearly in large areas of homogenous, fast-growing plants such as cereal crops and, less frequently, in root crops and grass. Crop marks produced in arable and grass at times of significant moisture stress, usually over buried structures or other highly permeable archaeological deposits, are often referred to as parchmarks.

Soilmarks are the colour and tonal differences between archaeological deposits and the plough or subsoil. The action of ploughing, which can penetrate the ground to a depth of 45cm, brings to the surface previously buried material. The rotation of the plough exposes the cut surface uppermost. Where the plough cuts buried and infilled archaeological features such as banks and ditches it brings to the surface slices of these deposits. If these slices are sufficiently differentiated from the natural plough or subsoil they can be visible from the air.

Archaeological earthworks that are visible on the ground can also be seen from the air. Detection and recording of earthworks from the air is determined by their survival and visibility. The survival of earthworks depends on past and present land use; natural erosion processes, deliberate destruction and ploughing can all reduce upstanding features to ground level. Earthworks can be revealed by the pattern of sunlight and shadow, differential frost or snow cover or the distribution of standing and flood water. Large and subtle variations in ground relief are further accentuated when viewed stereoscopically. Most stereo images are vertical photographs taken in long, regular sorties but stereo-overlapping can also be achieved from correctly set-up oblique views.

Appendix 2 Archaeology from LiDAR survey data

Airborne Light Detection and Ranging (LiDAR) is a data collection technique that uses a laser to measure certain variables. For archaeological purposes it is the distance between the aircraft and the ground that provides particular interest. During LiDAR flights up to 100,000 measurements per second are made of the ground, allowing highly detailed models of the ground surface, including the details of surviving archaeological earthworks, to be generated at spatial resolutions of between 25cm and 2 metres.

The resulting dataset is a grid of height points called a Digital Elevation Surface Model, these points can be filter to remove those measurements that were read from trees, buildings and other supra-surface features, the result is a Digital Terrain Model, sometimes called a 'Bare Earth' model. The latter is particular useful for the identification of archaeological earthworks where they are obscured on conventional air photos by tree and shrub cover. The DSM and DTM need to be transformed into a visualisations for analysis and interpretation. For this survey two different visualisations were employed for the identification of archaeological earthworks: multi-direction hill-shaded model and simple local relief model.

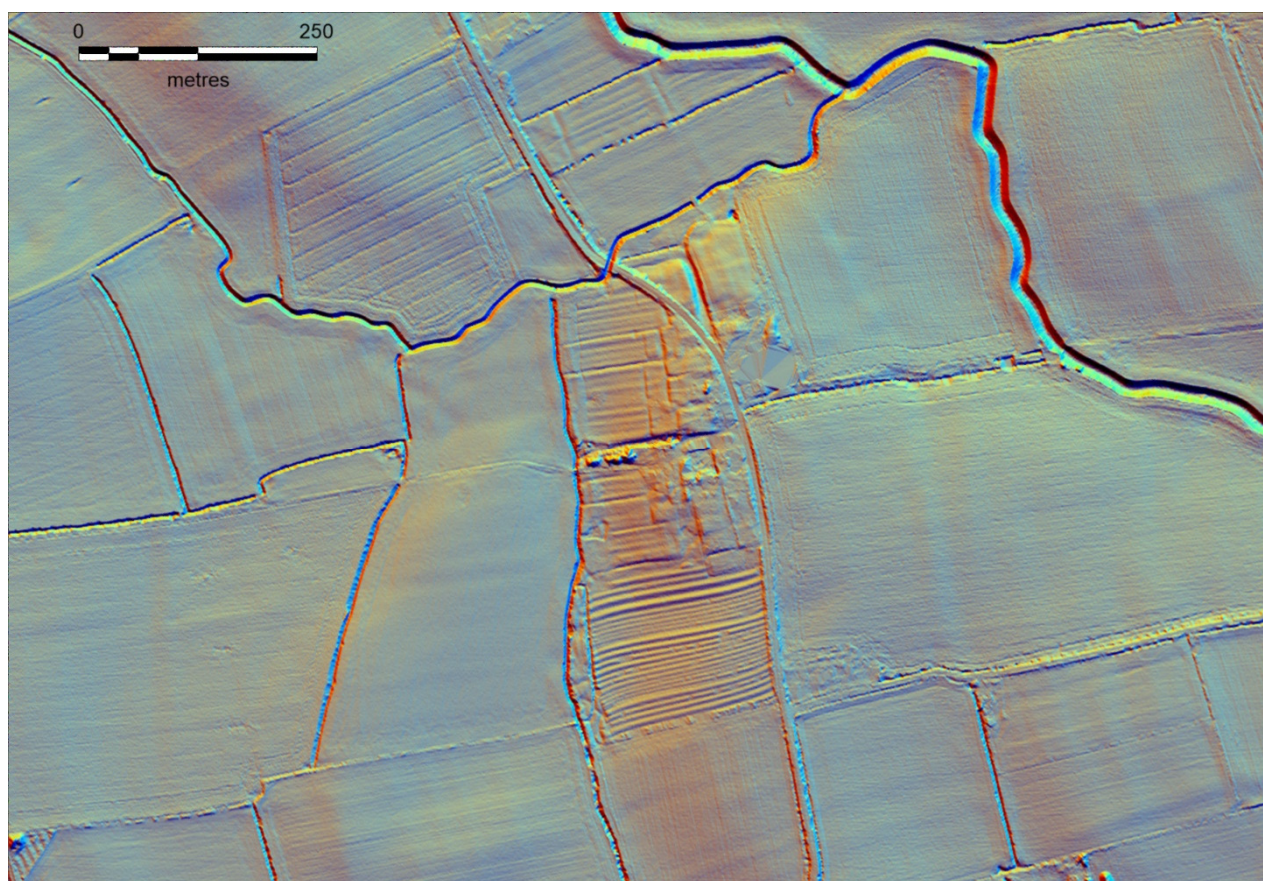


Figure A. A 16-Direction Hill-shaded model of DTM. Hill-shading casts an artificial light source across a landscape to reveal surface irregularities. Hill-shading from a single direction of light will not reveal those features that are in alignment with the light source. This visualisation combines the light and shade of 16 different directions of light. The visualisation can be further enhanced by exaggerating the vertical elevation and lowering the angle of the light source.



Figure B. Simple Local Relief Model (of DTM). General relief models convey landscape scale topography at the expense of smaller scale features including archaeological earthworks. This visualisation removes the general trend, eg hills and valleys to accentuate the appearance of the smaller scale features. In this visualisation the lighter tones represent banks and mounds, the darker, ditches and pits. This visualisation is particularly effective at revealing very low earthworks.

Further information and guidance on the use of LiDAR for archaeological prospection and the creation of visualisation from LiDAR data can be found in Crutchley and Crow (2009) and Kokalj and Hesse (2017).

Air photo and LiDAR mapping and interpretation: West Burton Solar Project and Cable Routes

Appendix 3 Historic England Coversearch 135459: Vertical Air Photos.

Sortie number	Library number	Camera position	Frame number	Held	Date	Scale 1:
RAF/106G/UK/829	74	RS	4191	P	23 SEP 1945	10000
RAF/106G/UK/829	74	RS	4195	P	23 SEP 1945	10000
RAF/106G/UK/829	74	RS	4196	P	23 SEP 1945	10000
RAF/CPE/UK/1880	540	FP	1422	P	06 DEC 1946	12000
RAF/CPE/UK/1880	540	FP	1423	P	06 DEC 1946	12000
RAF/CPE/UK/1880	540	FS	2278	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	FS	2279	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	FS	2280	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	FS	2281	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	FS	2282	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	FS	2283	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	FS	2284	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	FS	2285	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	FS	2286	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	FS	2287	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	FS	2288	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	FS	2289	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	FS	2290	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	FS	2291	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	FS	2292	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	FS	2293	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	FS	2388	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	FS	2389	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	FS	2390	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	FS	2425	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	RP	3282	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	RP	3283	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	RP	3284	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	RP	3285	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	RP	3424	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	RP	3425	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	RS	4277	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	RS	4278	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	RS	4279	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	RS	4280	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	RS	4281	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	RS	4282	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	RS	4283	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	RS	4284	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	RS	4285	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	RS	4286	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	RS	4293	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	RV	6280	P	06 DEC 1946	12000
RAF/CPE/UK/1880	540	RV	6281	P	06 DEC 1946	12000
RAF/CPE/UK/1880	540	RV	6282	P	06 DEC 1946	12000
RAF/CPE/UK/1880	540	RV	6283	P	06 DEC 1946	12000
RAF/CPE/UK/1880	540	RV	6298	P	06 DEC 1946	12000
RAF/CPE/UK/1880	540	RV	6299	P	06 DEC 1946	12000
RAF/CPE/UK/1880	540	RV	6300	P	06 DEC 1946	12000
RAF/CPE/UK/1880	540	RV	6301	P	06 DEC 1946	12000
RAF/CPE/UK/1880	540	RV	6302	P	06 DEC 1946	12000
RAF/CPE/UK/1880	540	RV	6404	P	06 DEC 1946	12000
RAF/CPE/UK/1880	540	RV	6405	P	06 DEC 1946	12000
RAF/CPE/UK/1880	540	RV	6425	P	06 DEC 1946	12000
RAF/CPE/UK/1880	540	RV	6426	P	06 DEC 1946	12000
RAF/CPE/UK/1880	540	RV	6427	P	06 DEC 1946	12000

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Sortie number	Library number	Camera position	Frame number	Held	Date	Scale 1:
RAF/CPE/UK/1880	540	RV	6428	P	06 DEC 1946	12000
RAF/CPE/UK/1880	540	RV	6429	P	06 DEC 1946	12000
RAF/CPE/UK/1880	540	RV	6430	P	06 DEC 1946	12000
RAF/CPE/UK/1880	540	RV	6431	P	06 DEC 1946	12000
RAF/CPE/UK/1880	540	RV	6432	P	06 DEC 1946	12000
RAF/CPE/UK/1880	540	RV	6433	P	06 DEC 1946	12000
RAF/CPE/UK/1880	540	V	5280	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	V	5281	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	V	5282	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	V	5283	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	V	5284	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	V	5285	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	V	5286	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	V	5287	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	V	5288	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	V	5289	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	V	5290	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	V	5291	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	V	5292	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	V	5392	P	06 DEC 1946	10000
RAF/CPE/UK/1880	540	V	5427	P	06 DEC 1946	10000
RAF/CPE/UK/2009	597	FP	1060	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	FP	1061	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	FP	1072	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	FP	1073	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	FP	1074	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	FP	1075	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	FP	1076	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	FP	1077	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	FP	1078	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	FP	1079	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	FS	2068	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	FS	2069	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	FS	2070	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	FS	2071	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	FS	2072	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	FS	2073	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	FS	2074	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	FS	2075	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	FS	2076	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	FS	2077	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	FS	2078	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	FS	2079	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	FS	2080	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	FS	2081	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	FS	2082	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	RP	3066	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	RP	3067	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	RP	3068	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	RP	3069	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	RP	3070	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	RP	3071	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	RP	3072	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	RP	3073	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	RP	3074	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	RP	3075	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	RP	3076	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	RP	3077	P	16 APR 1947	9800

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Sortie number	Library number	Camera position	Frame number	Held	Date	Scale 1:
RAF/CPE/UK/2009	597	RP	3078	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	RP	3079	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	RP	3080	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	RP	3081	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	RP	3082	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	RP	3083	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	RP	3084	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	RP	3085	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	RP	3086	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	RS	4074	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	RS	4075	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	RS	4076	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	RS	4077	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	RS	4078	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	RS	4079	P	16 APR 1947	9800
RAF/CPE/UK/2009	597	RS	4080	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FP	1091	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FP	1092	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FP	1093	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FP	1094	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FP	1095	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FP	1096	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FP	1097	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FP	1111	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FP	1112	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FP	1113	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FP	1114	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FP	1115	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FP	1116	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FP	1117	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FP	1118	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FP	1125	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FP	1126	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FP	1134	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FP	1135	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FP	1136	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FP	1137	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FP	1138	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FP	1139	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FP	1140	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FP	1141	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FP	1142	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FS	2094	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FS	2095	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FS	2120	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FS	2121	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FS	2129	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FS	2130	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FS	2131	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FS	2132	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FS	2133	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FS	2134	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FS	2135	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	FS	2141	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	RP	3083	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	RP	3084	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	RP	3085	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	RP	3086	P	16 APR 1947	9800

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Sortie number	Library number	Camera position	Frame number	Held	Date	Scale 1:
RAF/CPE/UK/2012	609	RP	3105	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	RP	3106	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	RP	3107	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	RP	3108	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	RP	3109	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	RP	3110	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	RP	3111	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	RP	3112	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	RP	3113	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	RP	3119	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	RP	3120	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	RP	3121	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	RP	3124	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	RP	3125	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	RP	3126	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	RP	3127	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	RP	3132	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	RP	3133	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	RS	4095	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	RS	4120	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	RS	4135	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	RS	4136	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	RS	4137	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	RS	4138	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	RS	4139	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	RS	4140	P	16 APR 1947	9800
RAF/CPE/UK/2012	609	RS	4141	P	16 APR 1947	9800
RAF/CPE/UK/2563	832	RP	3213	P	28 MAR 1948	10000
RAF/CPE/UK/2563	832	RP	3214	P	28 MAR 1948	10000
RAF/CPE/UK/2563	832	RP	3303	P	28 MAR 1948	10000
RAF/CPE/UK/2563	832	RP	3304	P	28 MAR 1948	10000
RAF/CPE/UK/2563	832	RP	3330	P	28 MAR 1948	10000
RAF/CPE/UK/2563	832	RP	3331	P	28 MAR 1948	10000
RAF/CPE/UK/2563	832	RP	3410	P	28 MAR 1948	10000
RAF/CPE/UK/2563	832	RS	4243	P	28 MAR 1948	10000
RAF/CPE/UK/2563	832	RS	4244	P	28 MAR 1948	10000
RAF/CPE/UK/2563	832	RS	4332	P	28 MAR 1948	10000
RAF/CPE/UK/2563	832	RS	4410	P	28 MAR 1948	10000
RAF/CPE/UK/2541	834	RP	3065	P	25 MAR 1948	10000
RAF/CPE/UK/2541	834	RP	3066	P	25 MAR 1948	10000
RAF/CPE/UK/2541	834	RP	3067	P	25 MAR 1948	10000
RAF/CPE/UK/2541	834	RS	4008	P	25 MAR 1948	10000
RAF/CPE/UK/2541	834	RS	4009	P	25 MAR 1948	10000
RAF/CPE/UK/2541	834	RS	4067	P	25 MAR 1948	10000
RAF/541/35	873	RP	3468	P	19 MAY 1948	10750
RAF/541/35	873	RP	3469	P	19 MAY 1948	10750
RAF/541/35	873	RP	3470	P	19 MAY 1948	10750
RAF/541/35	873	RP	3471	P	19 MAY 1948	10750
RAF/541/35	873	RP	3472	P	19 MAY 1948	10750
RAF/541/35	873	RP	3473	P	19 MAY 1948	10750
RAF/541/35	873	RP	3474	P	19 MAY 1948	10750
RAF/541/35	873	RS	4233	P	19 MAY 1948	10750
RAF/541/35	873	RS	4471	P	19 MAY 1948	10750
RAF/541/35	873	RS	4472	P	19 MAY 1948	10750
RAF/541/35	873	RS	4473	P	19 MAY 1948	10750
RAF/541/35	873	RS	4474	P	19 MAY 1948	10750
RAF/541/35	873	RS	4475	P	19 MAY 1948	10750
RAF/541/35	873	RS	4476	P	19 MAY 1948	10750

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Sortie number	Library number	Camera position	Frame number	Held	Date	Scale 1:
RAF/541/176	942	RP	3038	P	30 SEP 1948	10000
RAF/541/176	942	RP	3039	P	30 SEP 1948	10000
RAF/541/176	942	RP	3040	P	30 SEP 1948	10000
RAF/541/176	942	RP	3041	P	30 SEP 1948	10000
RAF/541/176	942	RS	4021	P	30 SEP 1948	10000
RAF/541/176	942	RS	4042	P	30 SEP 1948	10000
RAF/58/1435	1528	F21	189	P	13 MAY 1954	5000
RAF/58/1435	1528	F22	239	P	13 MAY 1954	5000
RAF/58/1435	1528	F22	240	P	13 MAY 1954	5000
RAF/58/1510	1542	F21	10	P	29 JUL 1954	10000
RAF/58/1510	1542	F21	33	P	29 JUL 1954	10000
RAF/58/1510	1542	F21	34	P	29 JUL 1954	10000
RAF/58/1510	1542	F21	35	P	29 JUL 1954	10000
RAF/58/1510	1542	F21	36	P	29 JUL 1954	10000
RAF/58/1510	1542	F22	10	P	29 JUL 1954	10000
RAF/58/1510	1542	F22	36	P	29 JUL 1954	10000
RAF/58/1510	1542	F22	37	P	29 JUL 1954	10000
RAF/542/37	1580	F22	201	P	17 SEP 1954	10000
RAF/542/37	1580	F22	202	P	17 SEP 1954	10000
RAF/58/5853	2159	F21	1	P	31 JUL 1963	10000
RAF/58/5853	2159	F21	2	P	31 JUL 1963	10000
RAF/58/5853	2159	F21	3	P	31 JUL 1963	10000
RAF/58/5853	2159	F21	4	P	31 JUL 1963	10000
RAF/58/5853	2159	F21	5	P	31 JUL 1963	10000
RAF/58/5853	2159	F21	6	P	31 JUL 1963	10000
RAF/58/5853	2159	F22	1	P	31 JUL 1963	10000
RAF/58/5853	2159	F22	21	P	31 JUL 1963	10000
RAF/58/2490	2250	V	3	P	26 JUN 1958	12000
RAF/58/5011	2448	V	56	P	23 MAR 1962	4500
RAF/58/5011	2448	V	57	P	23 MAR 1962	4500
RAF/58/5011	2448	V	58	P	23 MAR 1962	4500
RAF/542/63	2570	F21	209	P	12 OCT 1954	11000
RAF/541/185	2685	RP	3151	P	19 OCT 1948	9960
RAF/541/185	2685	RP	3222	P	19 OCT 1948	9960
RAF/541/185	2685	RS	4216	P	19 OCT 1948	9960
RAF/541/185	2685	RS	4217	P	19 OCT 1948	9960
RAF/541/185	2685	RS	4218	P	19 OCT 1948	9960
RAF/541/185	2685	RS	4222	P	19 OCT 1948	9960
RAF/106G/LA/228	3765	FP	1064	P	17 APR 1945	15000
RAF/106G/LA/228	3765	FP	1065	P	17 APR 1945	15000
RAF/106G/LA/228	3765	FS	2065	P	17 APR 1945	15000
RAF/106G/LA/228	3765	FS	2066	P	17 APR 1945	15000
MAL/77005	6946	V	58	P	27 FEB 1977	2500
MAL/77005	6946	V	66	P	27 FEB 1977	2500
MAL/73007	7067	V	48	P	24 FEB 1973	15000
MAL/73007	7067	V	60	P	24 FEB 1973	15000
MAL/73007	7067	V	61	P	24 FEB 1973	15000
MAL/73007	7067	V	62	P	24 FEB 1973	15000
MAL/73007	7067	V	79	P	24 FEB 1973	15000
MAL/73007	7067	V	80	P	24 FEB 1973	15000
MAL/73007	7067	V	82	P	24 FEB 1973	15000
MAL/73007	7067	V	83	P	24 FEB 1973	15000
MAL/73007	7067	V	84	P	24 FEB 1973	15000
MAL/74002	7168	V	50	P	31 JAN 1974	15000
MAL/74002	7168	V	53	P	31 JAN 1974	15000
MAL/74002	7168	V	73	P	31 JAN 1974	15000
MAL/77033	7471	V	57	P	11 OCT 1977	10000
MAL/81047	7728	V	87	P	26 OCT 1981	3000

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Sortie number	Library number	Camera position	Frame number	Held	Date	Scale 1:
MAL/81047	7728	V	88	P	26 OCT 1981	3000
MAL/81047	7728	V	90	P	26 OCT 1981	3000
MAL/81047	7728	V	92	P	26 OCT 1981	3000
MAL/81047	7728	V	94	P	26 OCT 1981	3000
MAL/81047	7728	V	96	P	26 OCT 1981	3000
MAL/81047	7728	V	98	P	26 OCT 1981	3000
MAL/81047	7728	V	100	P	26 OCT 1981	3000
MAL/81047	7728	V	102	P	26 OCT 1981	3000
MAL/81047	7728	V	104	P	26 OCT 1981	3000
MAL/81047	7728	V	201	P	26 OCT 1981	3000
MAL/81047	7728	V	203	P	26 OCT 1981	3000
MAL/81047	7728	V	205	P	26 OCT 1981	3000
MAL/81047	7728	V	207	P	26 OCT 1981	3000
MAL/81047	7728	V	209	P	26 OCT 1981	3000
MAL/81047	7728	V	213	P	26 OCT 1981	3000
MAL/81047	7728	V	215	P	26 OCT 1981	3000
MAL/81047	7728	V	217	P	26 OCT 1981	3000
MAL/81047	7728	V	219	P	26 OCT 1981	3000
MAL/81047	7728	V	222	P	26 OCT 1981	3000
MAL/81047	7728	V	224	P	26 OCT 1981	3000
MAL/81047	7728	V	226	P	26 OCT 1981	3000
MAL/81047	7728	V	228	P	26 OCT 1981	3000
MAL/81047	7728	V	230	P	26 OCT 1981	3000
MAL/81047	7728	V	232	P	26 OCT 1981	3000
MAL/81047	7728	V	234	P	26 OCT 1981	3000
MAL/81047	7728	V	236	P	26 OCT 1981	3000
MAL/81047	7728	V	238	P	26 OCT 1981	3000
MAL/81048	7729	V	69	P	26 OCT 1981	3000
MAL/81048	7729	V	71	P	26 OCT 1981	3000
MAL/81048	7729	V	73	P	26 OCT 1981	3000
MAL/81048	7729	V	75	P	26 OCT 1981	3000
MAL/81048	7729	V	77	P	26 OCT 1981	3000
MAL/81048	7729	V	79	P	26 OCT 1981	3000
MAL/81048	7729	V	81	P	26 OCT 1981	3000
MAL/81048	7729	V	83	P	26 OCT 1981	3000
MAL/81048	7729	V	91	P	26 OCT 1981	3000
MAL/81048	7729	V	93	P	26 OCT 1981	3000
MAL/81048	7729	V	95	P	26 OCT 1981	3000
MAL/81048	7729	V	97	P	26 OCT 1981	3000
MAL/81048	7729	V	99	P	26 OCT 1981	3000
MAL/81048	7729	V	101	P	26 OCT 1981	3000
MAL/81048	7729	V	103	P	26 OCT 1981	3000
MAL/81048	7729	V	105	P	26 OCT 1981	3000
MAL/81048	7729	V	206	P	26 OCT 1981	3000
MAL/81048	7729	V	212	P	26 OCT 1981	3000
MAL/81048	7729	V	214	P	26 OCT 1981	3000
MAL/81048	7729	V	216	P	26 OCT 1981	3000
MAL/81048	7729	V	218	P	26 OCT 1981	3000
MAL/81048	7729	V	220	P	26 OCT 1981	3000
MAL/81048	7729	V	222	P	26 OCT 1981	3000
MAL/81048	7729	V	224	P	26 OCT 1981	3000
MAL/81048	7729	V	226	P	26 OCT 1981	3000
MAL/81048	7729	V	229	P	26 OCT 1981	3000
MAL/81048	7729	V	230	P	26 OCT 1981	3000
MAL/81048	7729	V	232	P	26 OCT 1981	3000
MAL/81048	7729	V	234	P	26 OCT 1981	3000
MAL/81048	7729	V	236	P	26 OCT 1981	3000
MAL/81048	7729	V	238	P	26 OCT 1981	3000

Air photo and LiDAR mapping and interpretation: West Burton Solar Project and Cable Routes

Sortie number	Library number	Camera position	Frame number	Held	Date	Scale 1:
MAL/81048	7729	V	246	P	26 OCT 1981	3000
MAL/81048	7729	V	248	P	26 OCT 1981	3000
MAL/81048	7729	V	250	P	26 OCT 1981	3000
MAL/81049	7730	V	66	P	26 OCT 1981	3000
MAL/81049	7730	V	68	P	26 OCT 1981	3000
MAL/81049	7730	V	70	P	26 OCT 1981	3000
MAL/81049	7730	V	82	P	26 OCT 1981	3000
MAL/81049	7730	V	84	P	26 OCT 1981	3000
MAL/81049	7730	V	99	P	26 OCT 1981	3000
MAL/81049	7730	V	101	P	26 OCT 1981	3000
MAL/81049	7730	V	103	P	26 OCT 1981	3000
MAL/81049	7730	V	174	P	26 OCT 1981	3000
MAL/81049	7730	V	176	P	26 OCT 1981	3000
MAL/81049	7730	V	178	P	26 OCT 1981	3000
MAL/81049	7730	V	180	P	26 OCT 1981	3000
MAL/81049	7730	V	189	P	26 OCT 1981	3000
MAL/81049	7730	V	191	P	26 OCT 1981	3000
MAL/81049	7730	V	193	P	26 OCT 1981	3000
MAL/81049	7730	V	195	P	26 OCT 1981	3000
MAL/81049	7730	V	249	P	26 OCT 1981	3000
MAL/81049	7730	V	251	P	26 OCT 1981	3000
MAL/81049	7730	V	253	P	26 OCT 1981	3000
MAL/81049	7730	V	255	P	26 OCT 1981	3000
MAL/81049	7730	V	257	P	26 OCT 1981	3000
MAL/81049	7730	V	258	P	26 OCT 1981	3000
MAL/81052	7734	V	69	P	30 OCT 1981	3000
MAL/81052	7734	V	71	P	30 OCT 1981	3000
MAL/81052	7734	V	73	P	30 OCT 1981	3000
MAL/81052	7734	V	74	P	30 OCT 1981	3000
RAF/HLA/378	8411	RP	606	P	15 DEC 1941	13500
RAF/HLA/378	8411	RP	608	P	15 DEC 1941	13500
RAF/HLA/378	8411	RP	609	P	15 DEC 1941	13500
RAF/HLA/378	8411	RP	610	P	15 DEC 1941	13500
RAF/HLA/378	8411	RP	619	P	15 DEC 1941	13500
RAF/HLA/378	8411	RS	909	P	15 DEC 1941	13500
RAF/HLA/378	8411	RS	910	P	15 DEC 1941	13500
RAF/HLA/378	8411	RS	913	P	15 DEC 1941	13500
RAF/HLA/378	8411	RS	923	P	15 DEC 1941	13500
RAF/NLA/50	8631	V	5034	P	SEP 1942	7500
RAF/NLA/50	8631	V	5035	P	SEP 1942	7500
RAF/NLA/50	8631	V	5037	P	SEP 1942	7500
RAF/NLA/50	8631	V	5038	P	SEP 1942	7500
RAF/NLA/50	8631	V	5039	P	SEP 1942	7500
RAF/FNO/96	8824	RV	6007	P	16 AUG 1942	15700
OS/69215	9273	V	488	P	08 JUN 1969	7500
OS/69215	9273	V	489	P	08 JUN 1969	7500
OS/69215	9273	V	490	P	08 JUN 1969	7500
OS/69215	9273	V	491	P	08 JUN 1969	7500
OS/69215	9273	V	492	P	08 JUN 1969	7500
OS/68218	9283	V	187	P	14 JUN 1968	7500
OS/68218	9283	V	188	P	14 JUN 1968	7500
OS/68218	9283	V	189	P	14 JUN 1968	7500
OS/68218	9283	V	190	P	14 JUN 1968	7500
OS/68218	9283	V	191	P	14 JUN 1968	7500
OS/68218	9283	V	314	P	14 JUN 1968	7500
OS/68218	9283	V	315	P	14 JUN 1968	7500
OS/68218	9283	V	316	P	14 JUN 1968	7500
OS/71185	10098	V	60	P	13 MAY 1971	7500

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Sortie number	Library number	Camera position	Frame number	Held	Date	Scale 1:
OS/71185	10098	V	61	P	13 MAY 1971	7500
OS/71185	10098	V	84	P	13 MAY 1971	7500
OS/71185	10098	V	85	P	13 MAY 1971	7500
OS/71185	10098	V	86	P	13 MAY 1971	7500
OS/71149	10122	V	6	P	03 MAY 1971	7500
OS/71149	10122	V	7	P	03 MAY 1971	7500
OS/71149	10122	V	8	P	03 MAY 1971	7500
OS/71149	10122	V	9	P	03 MAY 1971	7500
OS/71149	10122	V	10	P	03 MAY 1971	7500
OS/71149	10122	V	11	P	03 MAY 1971	7500
OS/71149	10122	V	12	P	03 MAY 1971	7500
OS/71149	10122	V	43	P	03 MAY 1971	7500
OS/71149	10122	V	44	P	03 MAY 1971	7500
OS/71149	10122	V	45	P	03 MAY 1971	7500
OS/71149	10122	V	58	P	03 MAY 1971	7500
OS/71149	10122	V	59	P	03 MAY 1971	7500
OS/71149	10122	V	60	P	03 MAY 1971	7500
OS/71149	10122	V	93	P	03 MAY 1971	7500
OS/71149	10122	V	94	P	03 MAY 1971	7500
OS/71149	10122	V	95	P	03 MAY 1971	7500
OS/71149	10122	V	107	P	03 MAY 1971	7500
OS/71149	10122	V	108	P	03 MAY 1971	7500
OS/71149	10122	V	109	P	03 MAY 1971	7500
OS/71149	10122	V	147	P	03 MAY 1971	7500
OS/71149	10122	V	148	P	03 MAY 1971	7500
OS/71149	10122	V	149	P	03 MAY 1971	7500
OS/71149	10122	V	150	P	03 MAY 1971	7500
OS/71149	10122	V	151	P	03 MAY 1971	7500
OS/71149	10122	V	154	P	03 MAY 1971	7500
OS/71149	10122	V	155	P	03 MAY 1971	7500
OS/71149	10122	V	156	P	03 MAY 1971	7500
OS/71149	10122	V	157	P	03 MAY 1971	7500
OS/72048	10263	V	26	P	24 MAR 1972	7500
OS/72048	10263	V	27	P	24 MAR 1972	7500
OS/72048	10263	V	28	P	24 MAR 1972	7500
OS/72048	10263	V	31	P	24 MAR 1972	7500
OS/72048	10263	V	32	P	24 MAR 1972	7500
OS/72048	10263	V	83	P	24 MAR 1972	7500
OS/72048	10263	V	84	P	24 MAR 1972	7500
OS/72048	10263	V	90	P	24 MAR 1972	7500
OS/72048	10263	V	138	P	24 MAR 1972	7500
OS/72048	10263	V	148	P	24 MAR 1972	7500
OS/72048	10263	V	149	P	24 MAR 1972	7500
OS/72048	10263	V	150	P	24 MAR 1972	7500
OS/72048	10263	V	151	P	24 MAR 1972	7500
OS/72048	10263	V	152	P	24 MAR 1972	7500
OS/72048	10263	V	153	P	24 MAR 1972	7500
OS/72048	10263	V	186	P	24 MAR 1972	7500
OS/72048	10263	V	187	P	24 MAR 1972	7500
OS/72024	10268	V	315	P	21 MAR 1972	7500
OS/72113	10269	V	407	P	03 MAY 1972	7500
OS/72113	10269	V	408	P	03 MAY 1972	7500
OS/72113	10269	V	432	P	03 MAY 1972	7500
OS/72113	10269	V	433	P	03 MAY 1972	7500
OS/72113	10269	V	434	P	03 MAY 1972	7500
OS/72113	10269	V	435	P	03 MAY 1972	7500
OS/72113	10269	V	436	P	03 MAY 1972	7500
OS/72114	10270	V	461	P	03 MAY 1972	7500

Air photo and LiDAR mapping and interpretation: West Burton Solar Project and Cable Routes

Sortie number	Library number	Camera position	Frame number	Held	Date	Scale 1:
OS/72114	10270	V	462	P	03 MAY 1972	7500
OS/72114	10270	V	463	P	03 MAY 1972	7500
OS/72114	10270	V	464	P	03 MAY 1972	7500
OS/72220	10271	V	485	P	14 JUL 1972	7500
OS/72220	10271	V	486	P	14 JUL 1972	7500
OS/72220	10271	V	487	P	14 JUL 1972	7500
OS/72220	10271	V	488	P	14 JUL 1972	7500
OS/72220	10271	V	489	P	14 JUL 1972	7500
OS/72220	10271	V	490	P	14 JUL 1972	7500
OS/72220	10271	V	494	P	14 JUL 1972	7500
OS/72220	10271	V	495	P	14 JUL 1972	7500
OS/72220	10271	V	496	P	14 JUL 1972	7500
OS/72220	10271	V	497	P	14 JUL 1972	7500
OS/72220	10271	V	498	P	14 JUL 1972	7500
OS/72220	10271	V	542	P	14 JUL 1972	7500
OS/72220	10271	V	546	P	14 JUL 1972	7500
OS/72220	10271	V	547	P	14 JUL 1972	7500
OS/72220	10271	V	548	P	14 JUL 1972	7500
OS/72220	10271	V	549	P	14 JUL 1972	7500
OS/72220	10271	V	553	P	14 JUL 1972	7500
OS/71524	10272	V	72	P	21 SEP 1971	7500
OS/71524	10272	V	73	P	21 SEP 1971	7500
OS/71524	10272	V	74	P	21 SEP 1971	7500
OS/71524	10272	V	75	P	21 SEP 1971	7500
OS/71524	10272	V	76	P	21 SEP 1971	7500
OS/71524	10272	V	124	P	21 SEP 1971	7500
OS/71524	10272	V	125	P	21 SEP 1971	7500
OS/71507	10274	V	52	P	09 SEP 1971	7500
OS/71507	10274	V	53	P	09 SEP 1971	7500
OS/73033	10372	V	159	P	23 MAR 1973	7500
OS/73033	10372	V	160	P	23 MAR 1973	7500
OS/73033	10372	V	161	P	23 MAR 1973	7500
OS/73033	10372	V	166	P	23 MAR 1973	7500
OS/73033	10372	V	167	P	23 MAR 1973	7500
OS/73033	10372	V	168	P	23 MAR 1973	7500
OS/73033	10372	V	169	P	23 MAR 1973	7500
OS/73033	10372	V	170	P	23 MAR 1973	7500
OS/73033	10372	V	171	P	23 MAR 1973	7500
OS/73033	10372	V	172	P	23 MAR 1973	7500
OS/73033	10372	V	173	P	23 MAR 1973	7500
OS/73330	10374	V	375	P	23 JUN 1973	7500
OS/73330	10374	V	376	P	23 JUN 1973	7500
OS/73330	10374	V	377	P	23 JUN 1973	7500
OS/73330	10374	V	378	P	23 JUN 1973	7500
OS/73330	10374	V	379	P	23 JUN 1973	7500
OS/73327	10376	V	453	P	18 JUN 1973	7500
OS/73327	10376	V	454	P	18 JUN 1973	7500
OS/73327	10376	V	455	P	18 JUN 1973	7500
OS/73327	10376	V	461	P	18 JUN 1973	7500
OS/73327	10376	V	462	P	18 JUN 1973	7500
OS/73327	10376	V	463	P	18 JUN 1973	7500
OS/73327	10376	V	470	P	18 JUN 1973	7500
OS/73327	10376	V	471	P	18 JUN 1973	7500
OS/73327	10376	V	472	P	18 JUN 1973	7500
OS/73327	10376	V	473	P	18 JUN 1973	7500
OS/73327	10376	V	474	P	18 JUN 1973	7500
OS/73327	10376	V	475	P	18 JUN 1973	7500
OS/73331	10380	V	1	P	23 JUN 1973	7500

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Sortie number	Library number	Camera position	Frame number	Held	Date	Scale 1:
OS/73331	10380	V	46	P	23 JUN 1973	7500
OS/73331	10380	V	47	P	23 JUN 1973	7500
OS/70081	10615	V	21	P	05 MAY 1970	7500
OS/70081	10615	V	57	P	05 MAY 1970	7500
OS/70081	10615	V	58	P	05 MAY 1970	7500
OS/70081	10615	V	93	P	05 MAY 1970	7500
OS/70081	10615	V	95	P	05 MAY 1970	7500
OS/70081	10615	V	96	P	05 MAY 1970	7500
OS/70081	10615	V	97	P	05 MAY 1970	7500
OS/70081	10615	V	98	P	05 MAY 1970	7500
OS/70081	10615	V	125	P	05 MAY 1970	7500
OS/70081	10615	V	126	P	05 MAY 1970	7500
OS/70081	10615	V	127	P	05 MAY 1970	7500
OS/70081	10615	V	128	P	05 MAY 1970	7500
OS/70081	10615	V	129	P	05 MAY 1970	7500
OS/70081	10615	V	130	P	05 MAY 1970	7500
OS/88244	13350	V	4921	P	06 AUG 1988	7700
OS/88244	13350	V	4947	P	06 AUG 1988	7700
OS/88244	13350	V	4948	P	06 AUG 1988	7700
OS/88244	13350	V	5000	P	06 AUG 1988	7700
OS/88244	13350	V	5001	P	06 AUG 1988	7700
OS/88244	13350	V	5002	P	06 AUG 1988	7700
OS/88244	13350	V	5003	P	06 AUG 1988	7700
OS/88244	13350	V	5016	P	06 AUG 1988	7700
OS/88244	13350	V	5017	P	06 AUG 1988	7700
OS/88244	13350	V	5018	P	06 AUG 1988	7700
OS/88244	13350	V	5019	P	06 AUG 1988	7700
OS/88244	13350	V	5020	P	06 AUG 1988	7700
OS/88244	13350	V	5082	P	06 AUG 1988	7700
OS/88244	13350	V	5083	P	06 AUG 1988	7700
OS/88244	13350	V	5084	P	06 AUG 1988	7700
OS/88244	13350	V	5088	P	06 AUG 1988	7700
OS/88244	13350	V	5089	P	06 AUG 1988	7700
OS/88245	13351	V	5183	P	06 AUG 1988	7700
OS/88245	13351	V	5186	P	06 AUG 1988	7700
OS/91158	13851	V	83	P	14 AUG 1991	7500
OS/91158	13851	V	84	P	14 AUG 1991	7500
OS/91158	13851	V	85	P	14 AUG 1991	7500
OS/91158	13851	V	170	P	14 AUG 1991	7500
OS/91158	13851	V	171	P	14 AUG 1991	7500
MAL/78002	14040	V	84	P	24 FEB 1978	2500
MAL/78005	14042	V	189	P	02 APR 1978	2500
MAL/78005	14042	V	190	P	02 APR 1978	2500
MAL/77033	14046	V	213	P	10 OCT 1977	2500
MAL/77033	14046	V	214	P	10 OCT 1977	2500
MAL/78023	14059	V	133	P	20 JUN 1978	2500
MAL/78023	14059	V	134	P	20 JUN 1978	2500
MAL/78023	14059	V	135	P	20 JUN 1978	2500
MAL/78023	14059	V	136	P	20 JUN 1978	2500
MAL/76072	14060	V	260	P	20 SEP 1976	2500
OS/92325	14116	V	13	P	26 MAY 1992	7500
OS/92325	14116	V	14	P	26 MAY 1992	7500
OS/92325	14116	V	15	P	26 MAY 1992	7500
OS/92325	14116	V	16	P	26 MAY 1992	7500
OS/92325	14116	V	31	P	26 MAY 1992	7500
OS/92325	14116	V	32	P	26 MAY 1992	7500
OS/92325	14116	V	33	P	26 MAY 1992	7500
OS/92325	14116	V	34	P	26 MAY 1992	7500

Air photo and LiDAR mapping and interpretation: West Burton Solar Project and Cable Routes

Sortie number	Library number	Camera position	Frame number	Held	Date	Scale 1:
OS/92325	14116	V	35	P	26 MAY 1992	7500
OS/92325	14116	V	36	P	26 MAY 1992	7500
OS/92325	14116	V	37	P	26 MAY 1992	7500
OS/92325	14116	V	38	P	26 MAY 1992	7500
OS/92325	14116	V	45	P	26 MAY 1992	7500
OS/92325	14116	V	46	P	26 MAY 1992	7500
OS/92325	14116	V	47	P	26 MAY 1992	7500
OS/92325	14116	V	48	P	26 MAY 1992	7500
OS/92325	14116	V	49	P	26 MAY 1992	7500
OS/92325	14116	V	50	P	26 MAY 1992	7500
OS/92325	14116	V	51	P	26 MAY 1992	7500
OS/94285	14722	V	26	P	16 AUG 1994	7500
OS/94285	14722	V	70	P	16 AUG 1994	7500
OS/94285	14722	V	71	P	16 AUG 1994	7500
OS/94305	14728	V	46	P	02 SEP 1994	7500
OS/94305	14728	V	47	P	02 SEP 1994	7500
OS/94305	14728	V	79	P	02 SEP 1994	7500
OS/94305	14728	V	80	P	02 SEP 1994	7500
OS/94305	14728	V	128	P	02 SEP 1994	7500
OS/94305	14728	V	129	P	02 SEP 1994	7500
OS/94305	14728	V	130	P	02 SEP 1994	7500
OS/94305	14728	V	160	P	02 SEP 1994	7500
MAL/61478	21271	V	91873	P	30 JUN 1961	11000
MAL/61478	21271	V	91874	P	30 JUN 1961	11000
MAL/61478	21271	V	91875	P	30 JUN 1961	11000
MAL/61478	21271	V	91876	P	30 JUN 1961	11000
MAL/61478	21271	V	91895	P	30 JUN 1961	11000
MAL/61478	21271	V	91896	P	30 JUN 1961	11000
MAL/61478	21271	V	91897	P	30 JUN 1961	11000
MAL/61478	21271	V	91898	P	30 JUN 1961	11000
MAL/61478	21271	V	91899	P	30 JUN 1961	11000
MAL/61478	21271	V	91900	P	30 JUN 1961	11000
MAL/61478	21271	V	91901	P	30 JUN 1961	11000
MAL/61478	21271	V	91902	P	30 JUN 1961	11000
MAL/61478	21271	V	91903	P	30 JUN 1961	11000

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Appendix 3 Historic England Coversearch 135459: Specialist Air Photos.

Photo reference (NGR and Index number)	Film number	Frame number	Date	Film type
SK 7387 / 1	INV 19416	/ 32A	08 JUN 1997	Colour neg
SK 7390 / 2	INV 19551	/ 05	03 JAN 1999	Colour neg
SK 7390 / 4	NMR 28139	/ 42	03 JUN 2011	Digital colour
SK 7390 / 5	NMR 28139	/ 43	03 JUN 2011	Digital colour
SK 7390 / 6	NMR 28139	/ 44	03 JUN 2011	Digital colour
SK 7390 / 7	NMR 28139	/ 45	03 JUN 2011	Digital colour
SK 7487 / 2	INV 19546	/ 07A	19 JUL 1998	Colour neg
SK 7884 / 4	INV 19416	/ 30A	08 JUN 1997	Colour neg
SK 7885 / 1	HEA 29953	/ 034	26 AUG 2016	Digital colour
SK 7885 / 2	HEA 29953	/ 042	26 AUG 2016	Digital colour
SK 7885 / 3	HEA 34016	/ 023	26 JUN 2018	Digital colour
SK 7885 / 4	HEA 34016	/ 024	26 JUN 2018	Digital colour
SK 7983 / 1	INV 19416	/ 29A	08 JUN 1997	Colour neg
SK 7983 / 2	NMR 17944	/ 06	17 SEP 2003	Digital colour
SK 7983 / 3	NMR 17944	/ 07	17 SEP 2003	Digital colour
SK 7983 / 4	NMR 17920	/ 08	17 SEP 2003	Colour neg
SK 7983 / 5	NMR 17920	/ 09	17 SEP 2003	Colour neg
SK 7983 / 6	NMR 17942	/ 09	17 SEP 2003	Black & white
SK 7983 / 7	NMR 17942	/ 10	17 SEP 2003	Black & white
SK 7985 / 9	NMR 20907	/ 08	10 JUL 2009	Digital colour
SK 7985 / 10	NMR 20907	/ 09	10 JUL 2009	Digital colour
SK 7985 / 11	NMR 20907	/ 10	10 JUL 2009	Digital colour
SK 7985 / 12	HEA 29953	/ 024	26 AUG 2016	Digital colour
SK 7985 / 13	HEA 29953	/ 025	26 AUG 2016	Digital colour
SK 7985 / 14	HEA 29953	/ 026	26 AUG 2016	Digital colour
SK 7985 / 15	HEA 29953	/ 027	26 AUG 2016	Digital colour
SK 7985 / 16	HEA 29953	/ 029	26 AUG 2016	Digital colour
SK 7985 / 17	HEA 29953	/ 030	26 AUG 2016	Digital colour
SK 7985 / 18	HEA 29953	/ 031	26 AUG 2016	Digital colour
SK 7985 / 19	HEA 29953	/ 032	26 AUG 2016	Digital colour
SK 7985 / 20	HEA 29953	/ 033	26 AUG 2016	Digital colour
SK 7985 / 21	HEA 29953	/ 035	26 AUG 2016	Digital colour
SK 7985 / 22	HEA 29953	/ 036	26 AUG 2016	Digital colour
SK 7985 / 23	HEA 29953	/ 037	26 AUG 2016	Digital colour
SK 7985 / 24	HEA 29953	/ 038	26 AUG 2016	Digital colour
SK 7985 / 25	HEA 29953	/ 039	26 AUG 2016	Digital colour
SK 7985 / 27	HEA 29953	/ 041	26 AUG 2016	Digital colour
SK 7985 / 28	HEA 29953	/ 043	26 AUG 2016	Digital colour
SK 7985 / 29	HEA 29953	/ 044	26 AUG 2016	Digital colour
SK 7985 / 30	HEA 29953	/ 045	26 AUG 2016	Digital colour
SK 7985 / 31	HEA 29953	/ 046	26 AUG 2016	Digital colour
SK 7985 / 32	HEA 29953	/ 047	26 AUG 2016	Digital colour
SK 7985 / 36	HEA 28715	/ 020	24 JUN 2015	Digital colour
SK 7985 / 37	HEA 28715	/ 021	24 JUN 2015	Digital colour
SK 8081 / 1	DNR 427	/ 10	21 JUN 1970	Black & white
SK 8081 / 2	DNR 427	/ 11	21 JUN 1970	Black & white
SK 8081 / 3	DNR 870	/ 4	02 JUL 1976	Black & white
SK 8081 / 4	DNR 870	/ 5	02 JUL 1976	Black & white
SK 8081 / 5	DNR 870	/ 6	02 JUL 1976	Black & white
SK 8081 / 6	DNR 870	/ 7	02 JUL 1976	Black & white
SK 8081 / 7	DNR 865	/ 5	29 JUN 1976	Black & white
SK 8081 / 8	DNR 865	/ 6	29 JUN 1976	Black & white
SK 8081 / 9	DNR 865	/ 7	29 JUN 1976	Black & white
SK 8081 / 11	DNR 865	/ 10	29 JUN 1976	Black & white
SK 8081 / 12	DNR 865	/ 12	29 JUN 1976	Black & white
SK 8081 / 13	DNR 865	/ 13	29 JUN 1976	Black & white

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Photo reference (NGR and Index number)	Film number	Frame number	Date	Film type
SK 8081 / 16	DNR 1557	/ 29	27 JUL 1979	Black & white
SK 8082 / 4	NMR 20269	/ 09	28 JUN 2005	Colour neg
SK 8082 / 5	NMR 20269	/ 10	28 JUN 2005	Colour neg
SK 8082 / 6	NMR 20269	/ 11	28 JUN 2005	Colour neg
SK 8082 / 7	NMR 20321	/ 15	28 JUN 2005	Digital colour
SK 8082 / 8	NMR 20297	/ 05	28 JUN 2005	Colour neg
SK 8082 / 9	NMR 20297	/ 06	28 JUN 2005	Colour neg
SK 8084 / 1	INV 19406	/ 07A	25 AUG 1996	Colour neg
SK 8180 / 4	DNR 870	/ 13	02 JUL 1976	Black & white
SK 8180 / 5	DNR 866	/ 62	29 JUN 1976	Black & white
SK 8180 / 10	NMR 20269	/ 14	28 JUN 2005	Colour neg
SK 8180 / 12	NMR 20269	/ 16	28 JUN 2005	Colour neg
SK 8180 / 15	NMR 20321	/ 20	28 JUN 2005	Digital colour
SK 8180 / 16	NMR 20321	/ 21	28 JUN 2005	Digital colour
SK 8180 / 17	NMR 20297	/ 11	28 JUN 2005	Colour neg
SK 8180 / 18	NMR 20297	/ 12	28 JUN 2005	Colour neg
SK 8180 / 19	NMR 20297	/ 13	28 JUN 2005	Colour neg
SK 8180 / 22	NMR 20551	/ 45	11 JUL 2006	Digital colour
SK 8180 / 24	NMR 20551	/ 47	11 JUL 2006	Digital colour
SK 8181 / 1	JAP 1187	/ 5	02 SEP 1972	Black & white
SK 8181 / 2	JAP 1187	/ 6	02 SEP 1972	Black & white
SK 8181 / 3	JAP 1187	/ 7	02 SEP 1972	Black & white
SK 8181 / 4	JAP 1187	/ 8	02 SEP 1972	Black & white
SK 8181 / 11	DNR 1170	/ 60	09 JUL 1977	Black & white
SK 8181 / 12	DNR 1170	/ 61	09 JUL 1977	Black & white
SK 8181 / 13	DNR 1170	/ 62	09 JUL 1977	Black & white
SK 8181 / 14	DNR 1170	/ 63	09 JUL 1977	Black & white
SK 8181 / 15	DNR 1170	/ 64	09 JUL 1977	Black & white
SK 8181 / 20	DNR 1557	/ 28	27 JUL 1979	Black & white
SK 8181 / 24	NMR 20269	/ 13	28 JUN 2005	Colour neg
SK 8181 / 25	NMR 20321	/ 17	28 JUN 2005	Digital colour
SK 8181 / 26	NMR 20321	/ 18	28 JUN 2005	Digital colour
SK 8181 / 27	NMR 20297	/ 07	28 JUN 2005	Colour neg
SK 8182 / 1	NMR 1830	/ 083	24 JUL 1980	Black & white
SK 8182 / 2	NMR 1830	/ 084	24 JUL 1980	Black & white
SK 8182 / 3	NMR 1830	/ 085	24 JUL 1980	Black & white
SK 8182 / 4	NMR 1830	/ 086	24 JUL 1980	Black & white
SK 8182 / 18	NMR 20321	/ 16	28 JUN 2005	Digital colour
SK 8182 / 20	NMR 20297	/ 03	28 JUN 2005	Colour neg
SK 8182 / 21	NMR 20297	/ 04	28 JUN 2005	Colour neg
SK 8379 / 4	PLE 2969	/ 34	04 AUG 1979	Black & white
SK 8380 / 1	NMR 1961	/ 083	08 JUL 1981	Black & white
SK 8380 / 2	NMR 1961	/ 084	08 JUL 1981	Black & white
SK 8380 / 4	HEA 28714	/ 053	15 JUN 2015	Digital colour
SK 8381 / 1	DNR 2401	/ 10	26 JUL 1986	Black & white
SK 8381 / 3	NMR 17815	/ 00	20 JUN 2003	Colour neg
SK 8381 / 8	NMR 28313	/ 06	23 JUL 2012	Digital colour
SK 8381 / 9	NMR 28313	/ 07	23 JUL 2012	Digital colour
SK 8381 / 10	NMR 28313	/ 08	23 JUL 2012	Digital colour
SK 8381 / 11	HEA 33822	/ 011	27 JUN 2019	Digital colour
SK 8381 / 12	HEA 33822	/ 012	27 JUN 2019	Digital colour
SK 8382 / 15	NMR 12114	/ 64	22 JUL 1991	Black & white
SK 8382 / 16	NMR 12086	/ 26	22 JUL 1991	Colour slide
SK 8382 / 17	NMR 12086	/ 27	22 JUL 1991	Colour slide
SK 8382 / 40	NMR 28313	/ 09	23 JUL 2012	Digital colour
SK 8382 / 49	HEA 33822	/ 010	27 JUN 2019	Digital colour
SK 8382 / 50	HEA 33822	/ 013	27 JUN 2019	Digital colour
SK 8479 / 1	DNR 427	/ 12	21 JUN 1970	Black & white

Air photo and LiDAR mapping and interpretation: West Burton Solar Project and Cable Routes

Photo reference (NGR and Index number)	Film number	Frame number	Date	Film type
SK 8479 / 2	NMR 1863	/ 244	31 OCT 1980	Black & white
SK 8479 / 3	PLE 2952	/ 9	JUL 1980	Black & white
SK 8479 / 4	PLE 2952	/ 10	JUL 1980	Black & white
SK 8479 / 7	NMR 1863	/ 245	31 OCT 1980	Black & white
SK 8479 / 8	NMR 1863	/ 246	31 OCT 1980	Black & white
SK 8479 / 9	NMR 1863	/ 247	31 OCT 1980	Black & white
SK 8479 / 10	NMR 1863	/ 248	31 OCT 1980	Black & white
SK 8480 / 1	NMR 1961	/ 080	08 JUL 1981	Black & white
SK 8480 / 2	NMR 1961	/ 081	08 JUL 1981	Black & white
SK 8480 / 3	NMR 1961	/ 082	08 JUL 1981	Black & white
SK 8480 / 10	NMR 28172	/ 59	27 JUN 2011	Digital colour
SK 8480 / 11	NMR 28172	/ 60	27 JUN 2011	Digital colour
SK 8480 / 12	NMR 28172	/ 61	27 JUN 2011	Digital colour
SK 8480 / 13	NMR 28172	/ 62	27 JUN 2011	Digital colour
SK 8481 / 1	DNR 1099	/ 64	05 AUG 1977	Black & white
SK 8578 / 7	NMR 28671	/ 46	17 FEB 2015	Digital colour
SK 8578 / 10	NMR 28671	/ 50	17 FEB 2015	Digital colour
SK 8579 / 1	NMR 28671	/ 44	17 FEB 2015	Digital colour
SK 8579 / 2	NMR 28671	/ 45	17 FEB 2015	Digital colour
SK 8579 / 3	NMR 28671	/ 47	17 FEB 2015	Digital colour
SK 8581 / 1	DNR 1099	/ 65	05 AUG 1977	Black & white
SK 8581 / 2	FXH 14155	/ 12	19 JUL 1992	Black & white
SK 8581 / 3	NMR 28335	/ 31	06 SEP 2012	Digital colour
SK 8581 / 4	NMR 28335	/ 32	06 SEP 2012	Digital colour
SK 8581 / 5	NMR 28335	/ 33	06 SEP 2012	Digital colour
SK 8581 / 6	NMR 28335	/ 34	06 SEP 2012	Digital colour
SK 8678 / 1	NMR 28671	/ 31	17 FEB 2015	Digital colour
SK 8678 / 2	NMR 28671	/ 32	17 FEB 2015	Digital colour
SK 8679 / 1	NMR 28671	/ 33	17 FEB 2015	Digital colour
SK 8680 / 1	PLE 2970	/ 21	04 AUG 1979	Black & white
SK 8680 / 2	INV 19414	/ 15	24 MAY 1997	Colour neg
SK 8680 / 3	INV 19414	/ 16	24 MAY 1997	Colour neg
SK 8680 / 4	INV 19413	/ 08	20 APR 1997	Colour neg
SK 8680 / 5	INV 19413	/ 09	20 APR 1997	Colour neg
SK 8680 / 6	NMR 28671	/ 41	17 FEB 2015	Digital colour
SK 8680 / 7	NMR 28671	/ 42	17 FEB 2015	Digital colour
SK 8680 / 8	NMR 28671	/ 43	17 FEB 2015	Digital colour
SK 8681 / 1	INV 19404	/ 09A	10 AUG 1996	Colour neg
SK 8681 / 2	INV 19404	/ 10A	10 AUG 1996	Colour neg
SK 8681 / 3	INV 19404	/ 11A	10 AUG 1996	Colour neg
SK 8681 / 4	INV 19404	/ 17A	10 AUG 1996	Colour neg
SK 8681 / 5	INV 19404	/ 18A	10 AUG 1996	Colour neg
SK 8681 / 6	NMR 28671	/ 37	17 FEB 2015	Digital colour
SK 8681 / 7	NMR 28671	/ 38	17 FEB 2015	Digital colour
SK 8681 / 8	NMR 28671	/ 39	17 FEB 2015	Digital colour
SK 8681 / 9	NMR 28671	/ 40	17 FEB 2015	Digital colour
SK 8693 / 2	NMR 1850	/ 303	09 OCT 1980	Black & white
SK 8693 / 12	NMR 1850	/ 304	09 OCT 1980	Black & white
SK 8693 / 13	NMR 1850	/ 305	09 OCT 1980	Black & white
SK 8693 / 14	NMR 1850	/ 306	09 OCT 1980	Black & white
SK 8693 / 15	NMR 1850	/ 307	09 OCT 1980	Black & white
SK 8693 / 16	NMR 1850	/ 308	09 OCT 1980	Black & white
SK 8693 / 17	NMR 1850	/ 309	09 OCT 1980	Black & white
SK 8693 / 18	NMR 1850	/ 310	09 OCT 1980	Black & white
SK 8693 / 24	INV 19424	/ 13	22 FEB 1998	Colour neg
SK 8778 / 1	NMR 1863	/ 249	31 OCT 1980	Black & white
SK 8778 / 2	NMR 1863	/ 250	31 OCT 1980	Black & white
SK 8778 / 3	NMR 1863	/ 251	31 OCT 1980	Black & white

Air photo and LiDAR mapping and interpretation: West Burton Solar Project and Cable Routes

Photo reference (NGR and Index number)	Film number	Frame number	Date	Film type
SK 8778 / 4	INV 19404	/ 13A	10 AUG 1996	Colour neg
SK 8778 / 5	INV 19404	/ 14A	10 AUG 1996	Colour neg
SK 8778 / 6	INV 19404	/ 15A	10 AUG 1996	Colour neg
SK 8779 / 2	NMR 28671	/ 34	17 FEB 2015	Digital colour
SK 8779 / 3	NMR 28671	/ 35	17 FEB 2015	Digital colour
SK 8781 / 5	INV 19404	/ 12A	10 AUG 1996	Colour neg
SK 8782 / 1	NMR 1863	/ 323	31 OCT 1980	Black & white
SK 8782 / 2	NMR 1863	/ 324	31 OCT 1980	Black & white
SK 8782 / 3	NMR 1863	/ 325	31 OCT 1980	Black & white
SK 8782 / 4	NMR 1863	/ 326	31 OCT 1980	Black & white
SK 8783 / 1	NMR 1863	/ 320	31 OCT 1980	Black & white
SK 8783 / 2	NMR 1863	/ 321	31 OCT 1980	Black & white
SK 8783 / 3	NMR 1863	/ 322	31 OCT 1980	Black & white
SK 8791 / 1	NMR 1850	/ 142	09 OCT 1980	Black & white
SK 8791 / 5	NMR 1850	/ 143	09 OCT 1980	Black & white
SK 8791 / 6	NMR 1850	/ 144	09 OCT 1980	Black & white
SK 8791 / 7	NMR 1850	/ 145	09 OCT 1980	Black & white
SK 8791 / 8	NMR 1850	/ 146	09 OCT 1980	Black & white
SK 8791 / 9	NMR 1850	/ 147	09 OCT 1980	Black & white
SK 8792 / 1	NMR 1850	/ 131	09 OCT 1980	Black & white
SK 8792 / 2	NMR 1850	/ 132	09 OCT 1980	Black & white
SK 8792 / 3	NMR 1850	/ 133	09 OCT 1980	Black & white
SK 8792 / 4	NMR 1850	/ 134	09 OCT 1980	Black & white
SK 8792 / 5	NMR 1850	/ 135	09 OCT 1980	Black & white
SK 8877 / 1	NMR 1863	/ 266	31 OCT 1980	Black & white
SK 8878 / 1	NMR 1863	/ 263	31 OCT 1980	Black & white
SK 8878 / 2	NMR 1863	/ 264	31 OCT 1980	Black & white
SK 8878 / 3	NMR 1863	/ 265	31 OCT 1980	Black & white
SK 8882 / 20	INV 19404	/ 20A	10 AUG 1996	Colour neg
SK 8882 / 21	INV 19406	/ 18A	25 AUG 1996	Colour neg
SK 8882 / 22	INV 19406	/ 19A	25 AUG 1996	Colour neg
SK 8882 / 23	INV 19414	/ 20	24 MAY 1997	Colour neg
SK 8882 / 24	INV 19414	/ 21	24 MAY 1997	Colour neg
SK 8883 / 1	NMR 1863	/ 314	31 OCT 1980	Black & white
SK 8883 / 2	NMR 1863	/ 315	31 OCT 1980	Black & white
SK 8883 / 3	NMR 1863	/ 316	31 OCT 1980	Black & white
SK 8883 / 4	NMR 1863	/ 317	31 OCT 1980	Black & white
SK 8883 / 5	NMR 1863	/ 318	31 OCT 1980	Black & white
SK 8883 / 6	NMR 1863	/ 319	31 OCT 1980	Black & white
SK 8883 / 7	INV 19405	/ 15	11 AUG 1996	Colour neg
SK 8883 / 8	INV 19406	/ 17A	25 AUG 1996	Colour neg
SK 8888 / 20	INV 19414	/ 18	24 MAY 1997	Colour neg
SK 8977 / 1	DNR 492	/ 2	08 JUL 1972	Black & white
SK 8977 / 2	DNR 492	/ 3	08 JUL 1972	Black & white
SK 8977 / 3	DNR 492	/ 4	08 JUL 1972	Black & white
SK 8977 / 4	DNR 492	/ 5	08 JUL 1972	Black & white
SK 8977 / 5	DNR 492	/ 6	08 JUL 1972	Black & white
SK 8977 / 6	NMR 1863	/ 252	31 OCT 1980	Black & white
SK 8977 / 7	NMR 1863	/ 253	31 OCT 1980	Black & white
SK 8977 / 8	NMR 1863	/ 254	31 OCT 1980	Black & white
SK 8977 / 9	NMR 1863	/ 255	31 OCT 1980	Black & white
SK 8977 / 10	NMR 1863	/ 256	31 OCT 1980	Black & white
SK 8977 / 11	NMR 1863	/ 257	31 OCT 1980	Black & white
SK 8977 / 12	NMR 1863	/ 258	31 OCT 1980	Black & white
SK 8977 / 13	NMR 1863	/ 267	31 OCT 1980	Black & white
SK 8977 / 14	NMR 1863	/ 268	31 OCT 1980	Black & white
SK 8977 / 15	NMR 1863	/ 269	31 OCT 1980	Black & white
SK 8977 / 16	NMR 1863	/ 270	31 OCT 1980	Black & white

Air photo and LiDAR mapping and interpretation: West Burton Solar Project and Cable Routes

Photo reference (NGR and Index number)	Film number	Frame number	Date	Film type
SK 8977 / 17	NMR 1863	/ 271	31 OCT 1980	Black & white
SK 8977 / 18	NMR 1863	/ 272	31 OCT 1980	Black & white
SK 8977 / 19	NMR 1863	/ 273	31 OCT 1980	Black & white
SK 8977 / 20	INV 19412	/ 14	06 APR 1997	Colour neg
SK 8977 / 21	INV 19412	/ 15	06 APR 1997	Colour neg
SK 8977 / 22	INV 19412	/ 16	06 APR 1997	Colour neg
SK 8977 / 23	INV 19412	/ 17	06 APR 1997	Colour neg
SK 8977 / 24	INV 19412	/ 18	06 APR 1997	Colour neg
SK 8977 / 25	INV 19412	/ 19	06 APR 1997	Colour neg
SK 8977 / 26	INV 19418	/ 16A	20 JUL 1997	Colour neg
SK 8977 / 27	INV 19418	/ 17A	20 JUL 1997	Colour neg
SK 8977 / 28	INV 19418	/ 18A	20 JUL 1997	Colour neg
SK 8977 / 29	INV 19419	/ 15	06 AUG 1997	Colour neg
SK 8977 / 30	INV 19421	/ 01A	07 SEP 1997	Colour neg
SK 8977 / 31	INV 19421	/ 02A	07 SEP 1997	Colour neg
SK 8977 / 32	INV 19421	/ 03A	07 SEP 1997	Colour neg
SK 8977 / 33	INV 19421	/ 04A	07 SEP 1997	Colour neg
SK 8977 / 34	INV 19421	/ 05A	07 SEP 1997	Colour neg
SK 8977 / 35	INV 19421	/ 06A	07 SEP 1997	Colour neg
SK 8977 / 36	INV 19421	/ 07A	07 SEP 1997	Colour neg
SK 8977 / 37	INV 19421	/ 08A	07 SEP 1997	Colour neg
SK 8977 / 38	NMR 20530	/ 01	21 MAR 2006	Black & white
SK 8977 / 39	NMR 20528	/ 32	21 MAR 2006	Digital colour
SK 8977 / 40	NMR 20528	/ 33	21 MAR 2006	Digital colour
SK 8977 / 41	NMR 20528	/ 34	21 MAR 2006	Digital colour
SK 8977 / 42	NMR 20528	/ 35	21 MAR 2006	Digital colour
SK 8977 / 43	NMR 20528	/ 36	21 MAR 2006	Digital colour
SK 8977 / 44	NMR 20528	/ 37	21 MAR 2006	Digital colour
SK 8988 / 1	INV 19422	/ 17	07 SEP 1997	Colour neg
SK 8988 / 2	INV 19554	/ 16	07 SEP 1997	Colour neg
SK 8988 / 3	INV 19554	/ 17	07 SEP 1997	Colour neg
SK 9078 / 1	CAP 8105	/ 29	21 APR 1953	Black & white
SK 9078 / 2	NMR 1863	/ 274	31 OCT 1980	Black & white
SK 9078 / 3	NMR 1863	/ 275	31 OCT 1980	Black & white
SK 9078 / 4	NMR 1863	/ 276	31 OCT 1980	Black & white
SK 9086 / 1	NMR 1863	/ 302	31 OCT 1980	Black & white
SK 9086 / 2	NMR 1863	/ 303	31 OCT 1980	Black & white
SK 9086 / 3	NMR 1863	/ 304	31 OCT 1980	Black & white
SK 9086 / 4	INV 19411	/ 14A	30 MAR 1997	Colour neg
SK 9088 / 2	INV 19552	/ 18	14 MAR 1999	Colour neg
SK 9177 / 1	CAP 8084	/ 39	30 JUN 1952	Black & white
SK 9177 / 2	CAP 8084	/ 40	30 JUN 1952	Black & white
SK 9177 / 3	CAP 8084	/ 41	30 JUN 1952	Black & white
SK 9177 / 4	CAP 8105	/ 24	21 APR 1953	Black & white
SK 9177 / 5	CAP 8105	/ 25	21 APR 1953	Black & white
SK 9177 / 6	CAP 8105	/ 26	21 APR 1953	Black & white
SK 9177 / 7	CAP 8105	/ 27	21 APR 1953	Black & white
SK 9177 / 8	CAP 8105	/ 28	21 APR 1953	Black & white
SK 9177 / 9	NMR 1863	/ 280	31 OCT 1980	Black & white
SK 9177 / 10	NMR 1863	/ 284	31 OCT 1980	Black & white
SK 9177 / 11	NMR 1863	/ 278	31 OCT 1980	Black & white
SK 9177 / 12	NMR 1863	/ 279	31 OCT 1980	Black & white
SK 9177 / 13	NMR 1863	/ 281	31 OCT 1980	Black & white
SK 9177 / 14	NMR 1863	/ 282	31 OCT 1980	Black & white
SK 9177 / 15	NMR 1863	/ 283	31 OCT 1980	Black & white
SK 9177 / 16	NMR 1863	/ 285	31 OCT 1980	Black & white
SK 9177 / 17	INV 19425	/ 16	17 MAY 1998	Colour neg
SK 9177 / 18	INV 19425	/ 17	17 MAY 1998	Colour neg

Air photo and LiDAR mapping and interpretation: West Burton Solar Project and Cable Routes

Photo reference (NGR and Index number)	Film number	Frame number	Date	Film type
SK 9177 / 19	INV 19425	/ 18	17 MAY 1998	Colour neg
SK 9178 / 1	NMR 1863	/ 277	31 OCT 1980	Black & white
SK 9180 / 1	NMR 1863	/ 286	31 OCT 1980	Black & white
SK 9180 / 2	NMR 1863	/ 287	31 OCT 1980	Black & white
SK 9180 / 3	NMR 1863	/ 288	31 OCT 1980	Black & white
SK 9180 / 4	NMR 1863	/ 289	31 OCT 1980	Black & white
SK 9180 / 5	NMR 1863	/ 290	31 OCT 1980	Black & white
SK 9180 / 6	INV 19555	/ 19	17 MAY 1998	Colour neg
SK 9180 / 7	INV 19555	/ 20	17 MAY 1998	Colour neg
SK 9180 / 8	INV 19555	/ 21	17 MAY 1998	Colour neg
SK 9185 / 1	NMR 1863	/ 299	31 OCT 1980	Black & white
SK 9185 / 2	NMR 1863	/ 300	31 OCT 1980	Black & white
SK 9185 / 3	NMR 1863	/ 301	31 OCT 1980	Black & white

Air photo and LiDAR mapping and interpretation: West Burton Solar Project and Cable Routes

Appendix 3 Historic England Coversearch 135459: Military Oblique Air Photos.

Library and frame number	Photo reference (NGR & Index number)	Original number	Date	Film type
RAF 30141	/ F31-0038 SK 8180 / 9	RAF/543/781	03 FEB 1960	Black & white
RAF 30141	/ F31-0039 SK 8181 / 21	RAF/543/781	03 FEB 1960	Black & white
RAF 30141	/ F31-0086 SK 8281 / 1	RAF/543/781	03 FEB 1960	Black & white
RAF 30141	/ F31-0087 SK 8281 / 2	RAF/543/781	03 FEB 1960	Black & white
RAF 30141	/ F31-0088 SK 8280 / 1	RAF/543/781	03 FEB 1960	Black & white
RAF 30141	/ F31-0089 SK 8280 / 2	RAF/543/781	03 FEB 1960	Black & white
RAF 30141	/ F31-0090 SK 8280 / 3	RAF/543/781	03 FEB 1960	Black & white
RAF 30141	/ F33-0037 SK 8379 / 10	RAF/543/781	03 FEB 1960	Black & white
RAF 30141	/ F33-0038 SK 8380 / 3	RAF/543/781	03 FEB 1960	Black & white
RAF 30141	/ F33-0039 SK 8381 / 2	RAF/543/781	03 FEB 1960	Black & white
RAF 30141	/ F33-0040 SK 8382 / 25	RAF/543/781	03 FEB 1960	Black & white
RAF 30141	/ F33-0079 SK 8084 / 2	RAF/543/781	03 FEB 1960	Black & white
RAF 30141	/ F33-0080 SK 8084 / 3	RAF/543/781	03 FEB 1960	Black & white
RAF 30141	/ F33-0081 SK 8084 / 4	RAF/543/781	03 FEB 1960	Black & white
RAF 30141	/ F33-0082 SK 8083 / 1	RAF/543/781	03 FEB 1960	Black & white
RAF 30141	/ F33-0083 SK 8083 / 2	RAF/543/781	03 FEB 1960	Black & white
RAF 30141	/ F33-0084 SK 8082 / 1	RAF/543/781	03 FEB 1960	Black & white
RAF 30141	/ F33-0085 SK 8082 / 2	RAF/543/781	03 FEB 1960	Black & white
RAF 30141	/ F33-0086 SK 8082 / 3	RAF/543/781	03 FEB 1960	Black & white
RAF 30141	/ F33-0087 SK 8081 / 17	RAF/543/781	03 FEB 1960	Black & white
RAF 30141	/ F33-0088 SK 8081 / 18	RAF/543/781	03 FEB 1960	Black & white
RAF 30421	/ PO-0001 SK 8082 / 10	RAF/58/3400	03 FEB 1960	Black & white
RAF 30421	/ PO-0002 SK 8082 / 11	RAF/58/3400	03 FEB 1960	Black & white
RAF 30421	/ PO-0003 SK 8182 / 22	RAF/58/3400	03 FEB 1960	Black & white
RAF 30421	/ PO-0004 SK 8182 / 23	RAF/58/3400	03 FEB 1960	Black & white
RAF 30421	/ PO-0012 SK 8181 / 35	RAF/58/3400	03 FEB 1960	Black & white
RAF 30421	/ PO-0013 SK 8180 / 25	RAF/58/3400	03 FEB 1960	Black & white
RAF 30421	/ PO-0014 SK 8180 / 26	RAF/58/3400	03 FEB 1960	Black & white
RAF 30421	/ PO-0015 SK 8180 / 27	RAF/58/3400	03 FEB 1960	Black & white
RAF 30421	/ PO-0355 SK 8379 / 11	RAF/58/3400	03 FEB 1960	Black & white
RAF 30421	/ PO-0356 SK 8480 / 4	RAF/58/3400	03 FEB 1960	Black & white
RAF 30421	/ PO-0357 SK 8480 / 5	RAF/58/3400	03 FEB 1960	Black & white
RAF 30421	/ PO-0358 SK 8480 / 6	RAF/58/3400	03 FEB 1960	Black & white
RAF 30421	/ PO-0359 SK 8480 / 7	RAF/58/3400	03 FEB 1960	Black & white
RAF 30421	/ PO-0360 SK 8480 / 8	RAF/58/3400	03 FEB 1960	Black & white
RAF 30421	/ PO-0361 SK 8480 / 9	RAF/58/3400	03 FEB 1960	Black & white
RAF 30421	/ PO-0362 SK 8481 / 2	RAF/58/3400	03 FEB 1960	Black & white
RAF 30421	/ PO-0363 SK 8481 / 3	RAF/58/3400	03 FEB 1960	Black & white
RAF 30421	/ PO-0364 SK 8381 / 4	RAF/58/3400	03 FEB 1960	Black & white
RAF 30421	/ PO-0365 SK 8381 / 5	RAF/58/3400	03 FEB 1960	Black & white
RAF 30421	/ PO-0366 SK 8381 / 6	RAF/58/3400	03 FEB 1960	Black & white
RAF 30421	/ PO-0367 SK 8381 / 7	RAF/58/3400	03 FEB 1960	Black & white

Appendix 4 Catalogue of features

AP Parcel	Geophysical Survey Parcel	Description
161	M1	Undated features and a post medieval field boundary or drainage ditch are visible as cropmarks and earthworks on various sources. The undated features are: a long mound, an amorphous parchmark within which two short ditches and two pits can be seen. It is not certain that all or any of these features are of archaeological origin.
162	NA	Medieval and post medieval earthworks are visible on historical air photos (MLI50523). These remains are located in the fields to the north and north-west of The Grange at Broxholme. They include possible crofts to the north of the grange, ditched field boundaries to the west, an arrangement of plough headlands, ridge and furrow and a possible stack stand. The LiDAR imagery indicates that most of these features have now been levelled though the plough headlands can still be detected as very low and spread earthworks.
163	M4	An arrangement of medieval or post medieval plough headlands and a post medieval field boundary are visible as very low and spread earthworks on the LiDAR imagery.
164	M2	Medieval or post medieval plough headlands and fragments of ridge and furrow are visible as cropmarks on historical air photos. The plough headlands are also visible as very low and spread earthworks on the LiDAR imagery.
165	M5	Fragments of medieval or post medieval ridge and furrow are visible as cropmarks on historical air photos. Medieval or post medieval plough headlands are visible as very low and spread earthworks on the LiDAR imagery.
166	M3	A very slight scarp slope, visible as a very shallow earthwork on the LiDAR imagery, runs north-west to south-east across this parcel. The date of this feature is not known but it appears to underlie the medieval or post medieval ridge and furrow that runs east to west across this parcel. A short bank, either a medieval/post medieval plough headland or post medieval boundary runs north to south at the western end of this parcel.
167	NA	Medieval and post medieval earthworks are visible on historical air photos (MLI50523). These remains are located in the fields to the south and south-east of the village of Broxholme. They include a possible croft to the east of Manor Farm, the most southerly of a series that run northwards beyond this survey's area. There are also plough headlands, field boundaries and ridge and furrow in this parcel. The LiDAR imagery indicates that the plough headlands and the croft can still be detected as very low and spread earthworks, the other features have been levelled.
168	N25	Fragments of post medieval ridge and furrow are visible as earthworks on historical air photos. These remains have now been levelled and recently a number of small ponds have been created in this parcel.
169	N26	A short ditch of uncertain date is visible as a shallow earthwork on LiDAR imagery.

AP Parcel	Geophysical Survey Parcel	Description
170	N24	No features of archaeological significance were observed in this parcel on the air photos and LiDAR imagery examined.
171	N28	No features of archaeological significance were observed in this parcel on the air photos and LiDAR imagery examined.
172	N29	A fragment of medieval or post medieval plough headland and a ditched post medieval field boundary are visible as shallow earthwork on LiDAR imagery.
173	N31	No features of archaeological significance were observed in this parcel on the air photos and LiDAR imagery examined.
174	N30	Fragments of medieval or post medieval ridge and furrow and a plough headland are visible as earthworks on historical air photos. The LiDAR imagery indicates that the ridge have now been levelled but the headland survives as a very low earthwork. Some of these remains are contiguous with features described in AP175 .
175	NA	Fragments of medieval or post medieval ridge and furrow and a plough headland are visible as earthworks on historical air photos. The LiDAR imagery indicates that the plough ridges have now been levelled but the headland survives as a very low earthwork. Some of these remains are contiguous with features described in AP174 .
176	N23	A medieval or post medieval plough headland runs east to west into this parcel. It is visible as a low earthwork on the LiDAR imagery.
177	N22	No features of archaeological significance were observed in this parcel on the air photos and LiDAR imagery examined.
178	N21	A post medieval windmill mound and a narrow bank and fragment of medieval or post medieval ridge and furrow are visible on various sources. The post medieval windmill mound lies on the east side of Sturton Road (MLI52773). It is depicted and labelled as 'Mill Hill' on the OS 25inch map of 1886 and is visible as a soilmark on recent air photos. The field boundary, which runs parallel and close to Sturton Road coincides with a line of trees shown on the same map. The LiDAR imagery indicates that all features have now been levelled.
179	N20	Medieval or post medieval ridge and furrow and a short section of plough headland are visible as earthworks on historical air photos. These remains are located in the field to the north-east of the moat at Ingleby Grange (MLI50306). The moat is excluded from the survey area. The LiDAR imagery indicates that the ridge and furrow has been levelled but the plough headland survives as a very low earthwork.
180	N19	No features of archaeological significance were observed in this parcel on the air photos and LiDAR imagery examined.

AP Parcel	Geophysical Survey Parcel	Description
181	N18	This parcel covers part of the deserted village of North Ingleby (MLI54225). The northern edge of this parcel coincides with a broad east to west hollow way that is recorded in AP185 . This intersects a second north to south hollow way, which runs along the western side of this parcel and then continues into AP186 . This north to south hollow is flanked by ridge and furrow which is divided by ditches and also overlain with later field boundaries. There are tofts and a hollow where the two hollow ways intersect. These features survive as well-preserved earthworks.
182	N12	A fragment of medieval or post medieval ridge and furrow is visible as earthworks on historical air photos but has now been levelled.
183	N13	Medieval or post medieval ridge and furrow and a plough headland or field boundary are visible on historical air photos (MLI54225). In the 1940s a hedge still ran along the plough headland or field boundary but was later removed. The LiDAR imagery show a unusually sinuous feature, which may be a slightly mutilated plough headland. The ridge and furrow south of the boundary has now been levelled, the remains to the north survive as low earthworks.
184	N14	Medieval or post medieval ridge and furrow is visible on historical air photos (MLI54225). The LiDAR imagery indicates that these remains have now been levelled.
185	N15	This parcel contains a large part of the deserted village of North Ingleby (MLI54225). The western side of this parcel has Scheduled Monument protection (NHLE 1003570). This parcel is bisected by an east to west hollow way and the hollow way described in AP181 veers to the north west to Sturton Road. A number of likely building platforms and low building remains are clustered along and between the intersection of the two hollow ways, these are associated with small tofts and beyond those crofts and ridge and furrow. Late ditches cut across these earthworks. Most features survive as well-preserved earthworks.
186	N16	This parcel contains the remains of South Ingleby (MLI50535), comprising several tofts with building remains and flanked by interlocking ridge and furrow. The north to south hollow way described in AP181 continues along the eastern edge of this parcel. Most of these features survive as well-preserved earthworks but the hollow way has been filled in.
187	N17	This parcel contains the remains of South Ingleby deserted village (MLI50535) and is bordered to the east by a large moated enclosure (MLI50506), which lies outside the area of this survey. An east to west hollow way runs along the northern edge of this parcel and to the south there is a series of crofts, ridge and furrow, possible building platforms and a pond. A broad curving ditch, perhaps another hollow way, runs along the inside curve of Sturton Road and continues into AP188 . Most of these features survive as well-preserved earthworks.

AP Parcel	Geophysical Survey Parcel	Description
188	NA	This parcel includes fields to the west of Sturton Road and part of the small field to the north of the bend in the road. The curving hollow way described in AP187 continues into this parcel and curves eastward. It is flanked by ridge and furrow and fragments of features that were probably truncated by Sturton Road. West of the road there is ridge and furrow, plough headlands and possible pits or ponds.
189	N11	Medieval or post medieval ridge and furrow is visible as earthworks on historical air photos, it has now been levelled.
190	N7	Medieval or post medieval ridge and furrow, plough headlands and a field boundary are visible as soilmarks on air photos.
191	N6	No features of archaeological significance were observed in this parcel on the air photos and LiDAR imagery examined.
192	N5	Medieval or post medieval ridge and furrow and the remains of a post medieval farmstead are visible on historical air photos. In the 1940s the ridge and furrow stood as earthworks and building at Ingleby Wood Farm (MLI119092) were still standing. The latter were demolished by 1981 and visible only as marks in the bare soil. The plough ridges have now been levelled.
193	N4	No features of archaeological significance were observed in this parcel on the air photos and LiDAR imagery examined.
194	N8	A fragment of medieval or post medieval ridge and furrow is visible as cropmarks on historical air photos.
195	N9	Medieval or post medieval ridge and furrow is visible as earthwork on historical air photos but has now been levelled.
196	N10	No features of archaeological significance were observed in this parcel on the air photos and LiDAR imagery examined.
197	NA	No features of archaeological significance were observed in this parcel on the air photos and LiDAR imagery examined.
198	N3	No features of archaeological significance were observed in this parcel on the air photos and LiDAR imagery examined.
199	N2	A post medieval field boundary and a trackway are visible as low earthworks on LiDAR imagery.
200	N1	A rectilinear enclosure of possible Iron Age or Roman date is visible as a cropmark on recent air photos. This feature coincides with part of a broad and low earthwork bank. It is not known if this bank is a denuded plough headland or of natural origin.

AP Parcel	Geophysical Survey Parcel	Description
201	R1	<p>This is a large parcel comprising fields on the eastern side of the railway line. MLI52555 is described as ‘medieval mounds’ but these are sharply defined earthworks running alongside the railway cutting and overlying medieval or post medieval ridge and furrow. They are probably upcast created during the construction of the railway cutting. MLI52793, a medieval monastic grange, survived as earthworks in the 1940s but was subsequent levelled by ploughing. In 1996 these remains appeared as pale soilmarks against dark soil, suggesting the presence of limestone building material. MLI52455 is described as a linear boundary and enclosure of unknown date. The former is narrow bank and the later a small platform with ditch around, and they were visible as cropmarks on the air photos. The boundary marking the eastern side of Stow Park medieval deer park (MLI50418) is visible as an earthwork on the LiDAR imagery. This section of the park pale has Scheduled Monument protection (NHLE 1019229). Other features in this parcel include medieval or post medieval ridge and furrow and plough headlands and undated ditches.</p>
202	P3	<p>No features of archaeological significance were observed in this parcel on the air photos and LiDAR imagery examined.</p>
203	P2	<p>This parcel is one of five that converge around the medieval bishop’s palace at Stow. The palace site and the enclosing moat have Scheduled Monument protection (NHLE1019229) and are excluded from the West Burton Solar Project. However, marginal, related and unrelated features have been observed in the surrounding parcels.</p> <p>This parcel clips the western side of the moat ditch and the external bank or upcast material that surrounds the moat (MLI54199). A section of the post medieval road that linked Till Bridge Road and Cowdale Lane runs across the western end of this parcel. This road became redundant when it divided by the railway line in the 19th century (see also AP211). Other features in this parcel include post medieval field boundaries, mounds and a small quarry.</p>
204	P1	<p>This parcel is one of five that converge around the medieval bishop’s palace at Stow. The palace site and the enclosing moat have Scheduled Monument protection (NHLE1019229) and are excluded from the West Burton Solar Project. However, marginal, related and unrelated features have been observed in the surrounding parcels.</p> <p>This parcel clips the north-west corner of the bank or upcast material that surrounds the moat. Parchmarks and soilmarks on the eastern side of this parcel suggest the presence of demolished and levelled buildings, walls and a road (MLI54199). These features may be associated with the bishop’s palace. Most of these features lie outside of the project’s boundary.</p> <p>There are also a small group of undated mounds, now levelled and a fragment of plough headland and ridge and furrow in this parcel.</p>

AP Parcel	Geophysical Survey Parcel	Description
205	P4	<p>This parcel is one of five that converge around the medieval bishop's palace at Stow. The palace site and the enclosing moat have Scheduled Monument protection (NHLE1019229) and are excluded from the West Burton Solar Project. However, marginal, related and unrelated features have been observed in the surrounding parcels. This parcel clips the Scheduled Area, but does not impinge on the moat ditch or its interior.</p> <p>The historical air photos show a small hedged enclosure at the north-east corner of the moat, which Everson <i>et al</i> suggest is one of a series of ponds (1991, 185). This pond enclosure is traversed by two parallel features that are visible only on the earliest air photos. These may be the remains of two fish ponds, cut into the base of the larger pond, or two hedges flanking the ditch that ran across the area. Later this enclosed area was split into two, diagonally. A larger pond was cut into the south-west half of the enclosure, and lies outside of this parcel. The north-east corner of the enclosure is in this parcel. It was levelled and merged into the neighbouring field but can still be detected as a shallow depression on the LiDAR imagery. The LiDAR imagery also suggests the presence of another enclosure to the east.</p> <p>Between the pond enclosure and Till Bridge Lane there are complex cropmarks and parchmarks. These indicate the remains of a large, walled enclosure, with internal walled subdivisions and several possible buildings. These are the continuation of features described in AP204, and likely to be associated with the bishop's palace. These lie outside of the West Burton Solar Project.</p> <p>There is ridge and furrow and post medieval field boundaries in this parcel.</p>
206	P5	<p>This parcel is one of five that converge around the medieval bishop's palace at Stow. The palace site and the enclosing moat have Scheduled Monument protection (NHLE1019229) and are excluded from the West Burton Solar Project.</p> <p>A linear ditch runs near north to south through this feature, it is visible as an earthwork, cropmark and soilmark on various sources, but is now levelled. It aligns with an extant field ditch outside of this survey area, which in turn aligns with the Scheduled section of the park pale described in AP201. These ditches may have, at one time, marked the bounds of Stow Park and/or the parish boundary, although both are now recorded as being one field further to the east (MLI50418).</p>
207	P6	<p>This parcel is one of five that converge around the medieval bishop's palace at Stow. The palace site and the enclosing moat have Scheduled Monument protection (NHLE1019229) and are excluded from the West Burton Solar Project. This parcel clips the Scheduled Area, but not the moat ditch or its interior. It does impinge on the bank or upcast material that surrounds the moat but these are outside of the project's boundary.</p>
208	Q27	<p>No features of archaeological significance were observed in this parcel on the air photos and LiDAR imagery examined.</p>

AP Parcel	Geophysical Survey Parcel	Description
209	Q26	A section of park pale that bounds the western side of Stow Park medieval deer park (MLI50418) is visible as an earthwork on the LiDAR imagery. This section runs along the western edge of this parcel and it has Scheduled Monument protection (NHLE 1019229). There are earthwork disturbances where the park pale meets Cowdale Lane. The OS 6 inch map of 1885 shows that this was a brickyard comprising several small water-filled pits and three structures. Most of the brickyard is now under woodland and is outside the area of this survey but the north-east corner is within; it has been levelled and returned to cultivation.
210	Q25	A section of park pale that bounds the western side of Stow Park medieval deer park (MLI50418) is visible as an earthwork on the LiDAR imagery. This section runs along the western edge of this parcel and it has Scheduled Monument protection (NHLE 1019229).
211	Q24	The remains of a post medieval road are visible as cropmarks on historical air photos. Bryant's map of 1828 show this road running from Cowdale Lane in the south to Till Bridge Land in the north. The road was divided by the railway line and another short section has been detected in AP203 .
212		Not allocated
213	Q23	Fragments of medieval or post medieval ridge and furrow, post medieval field boundaries and clay pits and ditches of modern origin are visible earthworks and cropmarks on historical air photos. The LiDAR imagery indicates that these features have now been levelled and a new pond has now been dug in the area of the clay pits.
214	Q20	Fragments of medieval or post medieval ridge and furrow are visible as earthworks on historical air photos but have now been levelled.
215	Q18	Medieval or post medieval ridge and furrow is visible as earthworks in the northern part of this parcel (MLI52501). The LiDAR imagery indicates that these remains have now been levelled. Recent air photos show a swathe of complex and indistinct cropmarks between Brampton village and Stow Park Road and running through this parcel and AP216, 219, 220, 223, 224, 230 . Here the geology is interbedded mudstone and limestone (Scunthorpe Mudstone Formation) and is devoid of superficial deposits (BGS Geology Viewer). It is likely, therefore, that most of these cropmarks are of geological rather than archaeological origin.
216	Q17	Recent air photos show a swathe of complex and indistinct cropmarks between Brampton village and Stow Park Road and running through this parcel and others. These cropmarks are likely to be of geological rather than archaeological origin (see AP215)
217	Q19	Medieval or post medieval ridge and furrow is visible as cropmark on historical air photos.
218	Q22	A fragment of medieval or post medieval ridge and furrow is visible as cropmarks on historical air photos. The post medieval clay pits described in AP213 extend into this parcel. Here they survive as a very shallow earthworks.

AP Parcel	Geophysical Survey Parcel	Description
219	Q21	Medieval or post medieval ridge and furrow and several ditches are visible as cropmarks and soilmarks on air photos. At least one of the ditches was a post medieval field boundary. The arrangement of the other ditches suggests a large polygonal enclosure, but their placement may be coincidental. Recent air photos show a swathe of complex and indistinct cropmarks between Brampton village and Stow Park Road and running through this parcel and others. These cropmarks are likely to be of geological rather than archaeological origin (see AP215).
220	Q16	Recent air photos show a swathe of complex and indistinct cropmarks between Brampton village and Stow Park Road and running through this parcel and others. These cropmarks are likely to be of geological rather than archaeological origin (see AP215).
221	Q8	A swathe of complex and indistinct cropmarks is visible between Brampton village and Brampton Grange and running through AP222, 225, 226, 227 and 236 . This swathe runs along the edge of the higher ground that marks the edge of the Trent Valley in this area. Here the geology is interbedded mudstone and limestone (Scunthorpe Mudstone Formation) and is devoid of superficial deposits (BGS Geology Viewer). It is likely, therefore, that most of these cropmarks are of geological rather than archaeological origin. However amongst these there are fragmentary cropmarks that may indicate buried archaeological ditches.
222	Q7	See AP221 . Fragments of medieval or post medieval ridge and furrow are visible on the slope down to the river valley, several cropmarks of possible archaeological significance are visible between those of likely geological origin.
223	Q15	Recent air photos show a swathe of complex and indistinct cropmarks between Brampton village and Stow Park Road and running through this parcel and others. These cropmarks are likely to be of geological rather than archaeological origin (see AP215).
224	Q14	A fragment of medieval or post medieval ridge and furrow is visible as cropmark on historical air photos. Recent air photos show a swathe of complex and indistinct cropmarks between Brampton village and Stow Park Road and running through this parcel and others. These cropmarks are likely to be of geological rather than archaeological origin (see AP215).
225	Q6	See AP221 . A perpendicular arrangement of ditches is visible as cropmarks on recent air photos. At least one of these ditches is a post medieval field boundary.
226	Q5	See AP221 . Three ditches are visible between the geological cropmarks, at least two are post medieval field boundaries, the origin of the third, a short arc of ditch, is not known.
227	Q13	See AP221 . A broad linear feature runs south-east to north-west through this parcel and continues into AP236 and beyond. This feature has been identified as a possible Roman trackway (see MLI52489). In this parcel it comprises a broad bank flanked to either side by broad, slightly-irregular ditches. Projecting this feature further north-west it would converge with the Roman road known as Till Bridge Lane (MLI50575) on the west side of Marton.

AP Parcel	Geophysical Survey Parcel	Description
228	Q11	No features of archaeological significance were observed in this parcel on the air photos and LiDAR imagery examined.
229	Q10	No features of archaeological significance were observed in this parcel on the air photos and LiDAR imagery examined.
230	Q12	Recent air photos show a swathe of complex and indistinct cropmarks between Brampton village and Stow Park Road and running through this parcel and others. These cropmarks are likely to be of geological rather than archaeological origin (see AP215).
231	Q9	A medieval plough headland, medieval or post medieval ridge and furrow and a post medieval field boundary are visible on historical air photos. The LiDAR imagery indicates that the headland survives as a low earthwork but the other features have been levelled. (Deegan 2022, 16 parcel 103)
232		A medieval plough headland and medieval or post medieval ridge and furrow are visible as earthworks on historical air photos, the plough headland was marked by a later field boundary at that time. The LiDAR imagery indicates that the headland survives as a low earthwork but the plough ridges have been levelled. (Deegan 2022, 16 parcel 104)
233		Medieval or post medieval ridge and furrow and a short section of post medieval field boundary are visible on historical air photos. The LiDAR imagery indicates that these features have now been levelled. (Deegan 2022, 16 parcel 105)
234		Medieval or post medieval ridge and furrow and post medieval field boundaries are visible as earthworks on historical air photos and on the LiDAR imagery (Deegan 2022, 16 parcel 105)
235		The low earthwork remains of a post medieval field boundary is visible on LiDAR imagery. It runs along the western edge of this parcel. (Deegan 2022, 16 parcel 105)
236		The possible Roman trackway described in AP227 continues in this parcel. MLI52489 also refers to Roman field boundaries alongside the trackway but it is perhaps more likely that these cropmarks are of geological origin, as discussed in AP221.
237		Various features are visible as cropmarks and soilmarks in this parcel. At SK9392 7984 (MLI52500) and a little further north at SK8404 8034 there are irregular cropmarked ditches of unknown date. The former appear to mark the edge of an area of deeper or damper soil. Fragments of short ditches are visible at SK8451 8004. A low sub-circular mound at SK8440 8071, known as Bunkers Hill Warren (MLI53786) appears to be a deposit of blown sands that has been exploited and perhaps modified in the past. An arc of lower ground to the east and north of the hill, now filled in, appears to contain peat (BGS Geology Viewer). To the east of Bunker's Hill there are at least four subcircular features, it is not clear if these are truncated mounds or infilled hollows, they are likely be of natural origin.
238		No features of known or possible archaeological significance were observed in this parcel on the air photos and LiDAR imagery examined.

AP Parcel	Geophysical Survey Parcel	Description
244	NA	Post medieval flood defences, small ponds and a field boundary or drainage ditch are visible on various sources. A substantial embankment runs south-eastward from Trent Port and is depicted on the OS 6 inch map of 1885, it's appearance suggests that this feature is still maintained. To the north-east is a more degraded bank that runs follows the edge of the flood plain.
245	NA	Fragments of undated ditch, an infilled section of Carr Drain and a short section of water channel, which may be of natural origin are visible as cropmarks and earthworks on various sources.
246	S2	No features of archaeological significance were observed in this parcel on the air photos and LiDAR imagery examined.
247	S1	No features of archaeological significance were observed in this parcel on the air photos and LiDAR imagery examined.
248	S3	No features of archaeological significance were observed in this parcel on the air photos and LiDAR imagery examined.
249	S4	No features of archaeological significance were observed in this parcel on the air photos and LiDAR imagery examined.
250	S6	No features of archaeological significance were observed in this parcel on the air photos and LiDAR imagery examined.
251	S5	No features of archaeological significance were observed in this parcel on the air photos and LiDAR imagery examined.
252	S7	No features of archaeological significance were observed in this parcel on the air photos and LiDAR imagery examined.
253	S8	Fragments of medieval or post medieval ridge and furrow are visible as earthworks on historical air photos and cropmark on more recent imagery.
254	NA	Fragments of medieval or post medieval ridge and furrow, plough headland and a post medieval field boundary are visible as earthworks on historical air photos. The plough headland that runs east west across this parcel was also the route for Southbank Lane, which is depicted on the OS 6 inch map of 1885 but has now been removed.
255	NA	No features of archaeological significance were observed in this parcel on the air photos and LiDAR imagery examined.
256	NA	Part of an Iron Age or Roman period field system with possible enclosures are visible as cropmarks on various air photos (MNT4981). Long fields are aligned near east to west and divided into smaller fields with short cross boundaries. A poorly-defined linear feature runs south-east to north-west across this parcel, it may be the continuation of a trackway that is more clearly visible in the field to the east, possibly along a natural depression (see Deegan 2022, 219).
257	S13	No features of archaeological significance were observed in this parcel on the air photos and LiDAR imagery examined.
258	S11	Two fragments of ditch that are likely to be the northward continuation of the Iron Age or Roman period field system described in AP256 . These east to west aligned features are visible as cropmarks (MLI4980).

AP Parcel	Geophysical Survey Parcel	Description
259	NA	A perpendicular arrangement of ditches that is likely to be the northward continuation of the Iron Age or Roman period field system described in AP256 . These ditches are visible as cropmarks (MLI4980).
260	NA	Extensive medieval or post medieval ridge and furrow is visible in the fields to the north-east of North Leverton. Most of these remains survived as earthworks on historical air photos but they have now been levelled. Recent air photos show several ditches running across this parcel. One such feature runs parallel to Northfield Road and forks in the south-east corner of the parcel, this feature may be an Iron Age or Roman period field boundary and associated with the extensive field system observed to the south (see AP256). The date of the other ditches is not known.
261	S15	Two ditches are visible as cropmarks on recent air photos. One is the continuation of the Iron Age or Roman field boundary described in AP260 the other is a short feature of unknown date.
262	S16	No features of archaeological significance were observed in this parcel on the air photos and LiDAR imagery examined.
263	S14	A ditch is visible as cropmark on air photos, it continues into AP265 and may be of Iron Age or Roman date.
264	S17	No features of archaeological significance were observed in this parcel on the air photos and LiDAR imagery examined.
265	NA	This parcel is crossed by several banks and ditches, mostly detected as cropmarks from recent air photos. Some are post medieval field boundaries that are shown on the OS 6-inch map of 1885. Others are on a similar alignment to the long boundaries and short cross boundaries of the Iron Age or Roman period field system observed in AP256 and may be of similar origin. There are also ditches of uncertain date including the example the runs north-westward from the junction of Thornhill Lane and Northfield Road and then abruptly turns south-westward to form a sharp corner.
266	NA	Blocks and fragments of medieval or post medieval ridge and furrow, plough headlands and possible crofts and small ponds are visible as earthworks on historical air photos. Most of these earthworks have now been levelled, but the LiDAR imagery indicates that there are some earthwork ridges in the north-west corner of this parcel. There are cropmarked ditches in a field at the east end of the small village of Fenton. This field is shown as an orchard on historical maps. Some of the ditches run parallel to the Fenton Road but others run across this trend. The date of these ditches is not known.
267	S18	No features of archaeological significance were observed in this parcel on the air photos and LiDAR imagery examined.
268	S19	No features of archaeological significance were observed in this parcel on the air photos and LiDAR imagery examined.
269	S20	Fragments of medieval or post medieval ridge and furrow are visible as soilmarks and earthworks on historical air photos. These remains have now been levelled. They are contiguous with some features described in AP269 .

AP Parcel	Geophysical Survey Parcel	Description
270	NA	Perpendicular ditches are visible as cropmarks on air photos in the fields to the south of Fenton Gorse. These may be Iron Age or Roman field boundaries. A short ditch running from Littleborough Road to Fenton Gorse is likely to be an old course of one of the water channels that drain this area.
271	NA	Medieval or post medieval ridge and furrow, field boundaries and possible crofts are visible as earthworks on historical air photos (MNT6897). A substantial feature runs along the western boundary of this parcel and continues northward and southward beyond the survey area. In this parcel it comprised a broad ditch flanked by banks, but it had been partially levelled by the 1940s. This features appears to be a section of an earlier iteration of Catch Water Drain, which is depicted on the Chapman's 1794 map of Nottinghamshire. The LiDAR imagery suggests that the features in this parcel have now been substantially or completely levelled.
272	NA	Medieval and/or post medieval earthworks are visible on historical air photos in the fields between Low Holland Lane and Common Lane (MNT6109). These include possible settlement remains in the form of two ditched enclosures in the south-east and other ditches and hollows. These earthworks are still well-preserved. Ridge and furrow is present across large parts of this parcel, but now mostly levelled. A substantial, gently-curved feature runs from the Manor House northward to Common Lane. This feature is an earlier iteration of Catch Water Drain, which is depicted on the Chapman's 1794 map of Nottinghamshire. On air photos taken in the 1940s it appears the banks that flanked the drain had been deliberately truncated. The LiDAR data shows the ditch has now been backfilled.
273	NA	Medieval and/or post medieval earthworks are visible on historical air photos in the fields between Littleborough Road and Common Lane (MNT6110). These include possible settlement remains in the form of ditched and banked enclosures in the south-west, the continuation of features observed in AP272 . These earthworks are still standing. Elsewhere there is ridge and furrow and plough headlands.
274	S22	No features of archaeological significance were observed in this parcel on the air photos and LiDAR imagery examined.
275	S23	No features of archaeological significance were observed in this parcel on the air photos and LiDAR imagery examined.
276	S24	No features of archaeological significance were observed in this parcel on the air photos and LiDAR imagery examined.
277	S25	Medieval or post medieval ridge and furrow is visible as earthworks on historical air photos but has now been levelled. These remains are contiguous with some of the features described in AP273 and AP278 .
278	NA	Medieval or post medieval ridge and furrow and post medieval water channel are visible as earthworks on historical air photos but have now been levelled.
279	S21	Short section of post medieval field boundary is visible as an earthwork on LiDAR imagery. These boundaries were extant on historical air photos and they are contiguous with some of the features described in AP280 .

AP Parcel	Geophysical Survey Parcel	Description
280	NA	An arrangement of post medieval field boundaries, other ditches of uncertain date and a fragment of medieval or post medieval ridge and furrow are visible as earthworks or cropmarks on various sources. The ditches in the west were extant field boundaries on historical air photos, and the ditch in the east follows the parish boundary.
281	NA	A series of parallel ditches, a bank and a fragment of ridge and furrow are visible on historical and recent air photos. Some of the ditches are the remains of post medieval field boundaries that are depicted on the OS map and some were still extant on air photos taken in the 1940s. However, the origin of the other ditches is less certain. The probable post medieval bank in the south-west corner of the parcel protruded above the River Trent's flood waters on air photos taken in 1960. The LiDAR imagery indicates that it has now been levelled, as has the medieval or post medieval ridge and furrow.
282	NA	Medieval or post medieval ridge and furrow, plough headlands, a mound and a pond are visible as earthworks on historical air photos. These remains are located in fields to the immediate north-west of Sturton le Steeple. The LiDAR imagery indicates that the plough ridges have now been levelled but the plough headlands and the mound survive as very low and spread earthworks.
283	S33	Medieval or post medieval ridge and furrow is visible as earthworks on historical air photos and cropmarks on recent aerial imagery. These remains are contiguous with some the features described in AP282 .
284	S33B	Medieval or post medieval ridge and furrow is visible as earthworks on historical air photos but has now been levelled. These remains are contiguous with some of the features described in AP289 .
285	S32	No features of archaeological significance were observed in this parcel on the air photos and LiDAR imagery examined.
286	NA	Medieval or post medieval ridge and furrow, a plough headland or field boundary, a croft and a possible pond are visible as earthworks on historical air photos. These remains are located in the fields to the immediate north of Sturton le Steeple. The LiDAR imagery suggest that all earthworks have now been levelled, but there is a fragment of well preserved earthwork ridge and furrow just outside of the survey area near Gainsborough Road. Some of these remains are contiguous with the features described in AP287 and AP288 .
287	S31	Medieval or post medieval ridge and furrow and a plough headland or field boundary are visible as earthworks on historical air photos. These remains are located in a field to the north of Sturton le Steeple. The LiDAR imagery suggest that all earthworks have now been levelled. These remains are contiguous with features described in AP286 .
288	S30	Medieval or post medieval ridge and furrow is visible as earthworks on historical air photos. These remains are located in a field to the north of Sturton le Steeple. The LiDAR imagery suggest that all earthworks have now been levelled. These remains are contiguous with features described in AP286 .

AP Parcel	Geophysical Survey Parcel	Description
289	NA	Medieval or post medieval features visible as earthworks and soilmarks on various sources. Just south of the power station an arrangement of broad banks suggests a small near-square enclosure or field with an annex or hollow way at its north-west corner. The LiDAR imagery suggests that the interior of the enclosure or field is slightly lower than the surrounding land and also suggests the presence of two long ponds just outside its south-east corner. Ridge and furrow remains were extensive north of Sandhill Lane and less to the south. Ridge and furrow ran across the interior of the enclosure or field. Plough furrows also cut across the area of the ponds. Until the 1970s hedgerows ran along most of these embanked features. The LiDAR imagery indicates that all the plough ridges have now been levelled but the banks and ponds survive as very low or shallow earthworks. Some of these features continue into AP290 .
290	S81	Medieval or post medieval ridge and furrow, plough headlands or field boundaries and two possible ponds are visible on various sources. The LiDAR imagery indicates that the plough ridges have been levelled but the other features survive as very low or shallow earthworks. Some of these features continue into AP289 .
291	S82	Medieval or post medieval ridge and furrow is visible as soilmarks on historical air photos. These remains are contiguous with some of the features described in AP289 .
292	S80	A fragment of medieval or post medieval ridge and furrow, a plough headland and a section of a substantial water channel are visible as earthworks on historical air photos. The water channel comprised a broad ditch flanked by substantial banks, which still carried hedges on the 1940s air photos. This feature is part of the earlier iteration of the Catch Water Drain, which is depicted on the Chapman's 1794 map of Nottinghamshire. It cut diagonally across the ridge and furrow and plough headland. The LiDAR imagery indicates that the ridge and furrow has now been levelled and this section of the water channel has been partly infilled. Its banks are still detectable but are low and now spread well beyond their original footprint. Some of these remains are contiguous with features described in AP293 and AP297 .
293	S29	Medieval or post medieval ridge and furrow, a trackway and a section of a substantial water channel are visible as earthworks on historical air photos. The water channel comprised a broad ditch flanked by substantial banks, which still carried hedges on the 1940s air photos. This feature is part of the earlier iteration of the Catch Water Drain, which is depicted on the Chapman's 1794 map of Nottinghamshire. Air photo taken in 1970s indicate that this section of the water channel had, by then, been deliberately infilled and the spread of overburden is visible on the LiDAR imagery. The short trackway, visible as a narrow bank, was still extant of the earliest air photos. Some of these remains are contiguous with features described in AP292 and AP294 .
294	NA	Medieval or post medieval ridge and furrow and a section of a substantial water channel are visible as earthworks on historical air photos. The LiDAR imagery indicates that these features are now obscured by overburden (see AP293). These remains are contiguous with features described in AP293 .

AP Parcel	Geophysical Survey Parcel	Description
295	S28	Medieval or post medieval ridge and furrow is visible as an earthwork on historical air photos but have now been levelled. These remains are contiguous with features described in AP272 .
296	S27	Medieval or post medieval ridge and furrow is visible as an earthwork and soilmarks on historical air photos and has now been levelled. These remains are contiguous with features described in AP297 .
297	NA	The remains of an extensive medieval or post medieval field system, an enclosure and a substantial water channel are visible as earthworks on various sources. The deserted village of West Burton, which is a Scheduled Monument (NHLE1017741, MNT15468) lies to the north of this parcel and outside the area of this survey. The historical air photos show a small near-square enclosure flanked by fields at the north-east tip of this parcel. It is separated from the village remains by the substantial water channel and it is outside of the Scheduled Area. The enclosure and surrounding features have now been levelled. The water channel is part of the earlier iteration of the Catch Water Drain, which is depicted on the Chapman's 1794 map of Nottinghamshire. Although other sections have been infilled (see AP292 and AP293), in this parcel it is a well-defined earthwork. Most of the ridge and furrow has been levelled, but some of the plough headlands can be seen as very low earthworks on the LiDAR imagery.
298	S28	Medieval or post medieval ridge and furrow is visible as an earthworks on historical air photos and has now been levelled. These remains are contiguous with features described in AP299 .
299	NA	Medieval or post medieval ridge and furrow and two post medieval water channels, one flanked by broad banks, are visible as earthworks on historical air photos. The LIDAR imagery indicates that most of these features have now be levelled but the banks of the waterchannel survive as very low earthworks.
300		Medieval or post medieval ridge and furrow and a post medieval field boundary are visible as earthworks on historical air photos. These remains are on the site of West Burton power station and have now been built over.
301	S26	Fragments of medieval or post medieval ridge and furrow and post medieval field boundaries are visible on historical air photos. These remains are on the site of West Burton power station and have now been built over.
The following descriptions are for parcels that were surveyed for the Gate Burton Energy Park scheme (Deegan 2020). Note that GB103 is replicated in AP231 above, GB104 in AP232 and GB105 in AP233 and AP234.		
GB106		Medieval or post medieval ridge and furrow, a possible plough headland and post medieval narrow ridge and furrow are visible as earthworks on historical air photos. Most of these features have now been levelled but the plough headland is detectable as a very low earthwork on the lidar imagery.
GB107		A section of a likely medieval plough headland and a fragment of medieval or post medieval ridge and furrow are visible as a low earthwork on lidar imagery and as soilmarks on historical air photo respectively. This survey did not observe the cropmarked features recorded by the NMP Project (MLI52489) on any of the air photos examined.

AP Parcel	Geophysical Survey Parcel	Description
GB108		No features of archaeological origin were identified on the air photos and lidar imagery examined for this survey.
GB109		No features of archaeological origin were identified on the air photos and lidar imagery examined for this survey.
GB110		A section of a post medieval flood defense bank is visible as an earthwork on historical air photos and on lidar imagery. This feature is depicted on the OS map of 1885 and it continues into parcels GB111 and GB233 .
GB111		A short section of a likely post medieval flood defense bank is visible as an earthwork on historical air photos and on lidar imagery. This feature is depicted on the OS map of 1885 and it continues into parcels GB110 and GB233 .
GB112		No features of archaeological origin were identified on the air photos and lidar imagery examined for this survey.
GB113		Ditches and banks are visible as earthwork and cropmarks on air photos and on lidar imagery. A narrow bank, flanked by small ponds runs along the eastern edge of this parcel. These features are depicted on the OS map of 1885 and the bank is likely to be the remains of a post medieval flood defence. These features stood as earthworks in the 1940s but have now been levelled. The L-shaped cropmarked ditch to the west is the remains of post medieval field boundary which was extant in the 1940s. Between the two there are short cropmarked ditches of uncertain origin.
GB115		No features of archaeological origin were identified on the air photos and lidar imagery examined for this survey.
GB116		Fragments of medieval or post medieval ridge and furrow are visible as earthworks on historical air photos and on lidar imagery.
GB117		No features of archaeological origin were identified on the air photos and lidar imagery examined for this survey.
GB119		No features of archaeological origin were identified on the air photos and lidar imagery examined for this survey.
GB216		Several linear features, possible trackways and groups of pits are visible as cropmarks. Two broad and slightly irregular ditches curve north to south just to the west of this parcel. The ditch to the west coincides with a field boundary depicted on the OS map of 1885 which is slightly anomalous to the very straight and regular field ditches that characterise this area. The other seems to follow the curve of the waterchannel that lies 350m to the east. The short sections of double ditched trackway may be of Iron Age or Roman date. The date and function of other features is not known.
GB217		A post medieval field boundary is visible as a cropmark on recent air photos and is depicted on the OS map of 1885.

AP Parcel	Geophysical Survey Parcel	Description
GB218		Cropmarks indicating the route of Southbank Lane run along the southern edge of this parcel. The lane was still extant on air photos taken in the 1940s. The lidar imagery suggests a low bank runs along the southern edge of the lane, perhaps indicating a medieval plough headland. Other ditches in this field are mostly the remains of field boundaries that were also still extant in the 1940s, but some may be part of a broad trackway that is more clearly defined where it continues in GB219. (MNT4981)
GB219		Iron Age or Roman settlement, trackways and field boundaries are visible as cropmarks on air photos. This includes a number of conjoined rectilinear enclosure with small internal and corner enclosures. The cropmarked double ditch trackway running along the northern edge of this parcel is the remains of a now redundant section of Craikbank Lane, which was extant on air photos taken in the 1940s. This trackway is of medieval or post medieval origin. (MNT4981)

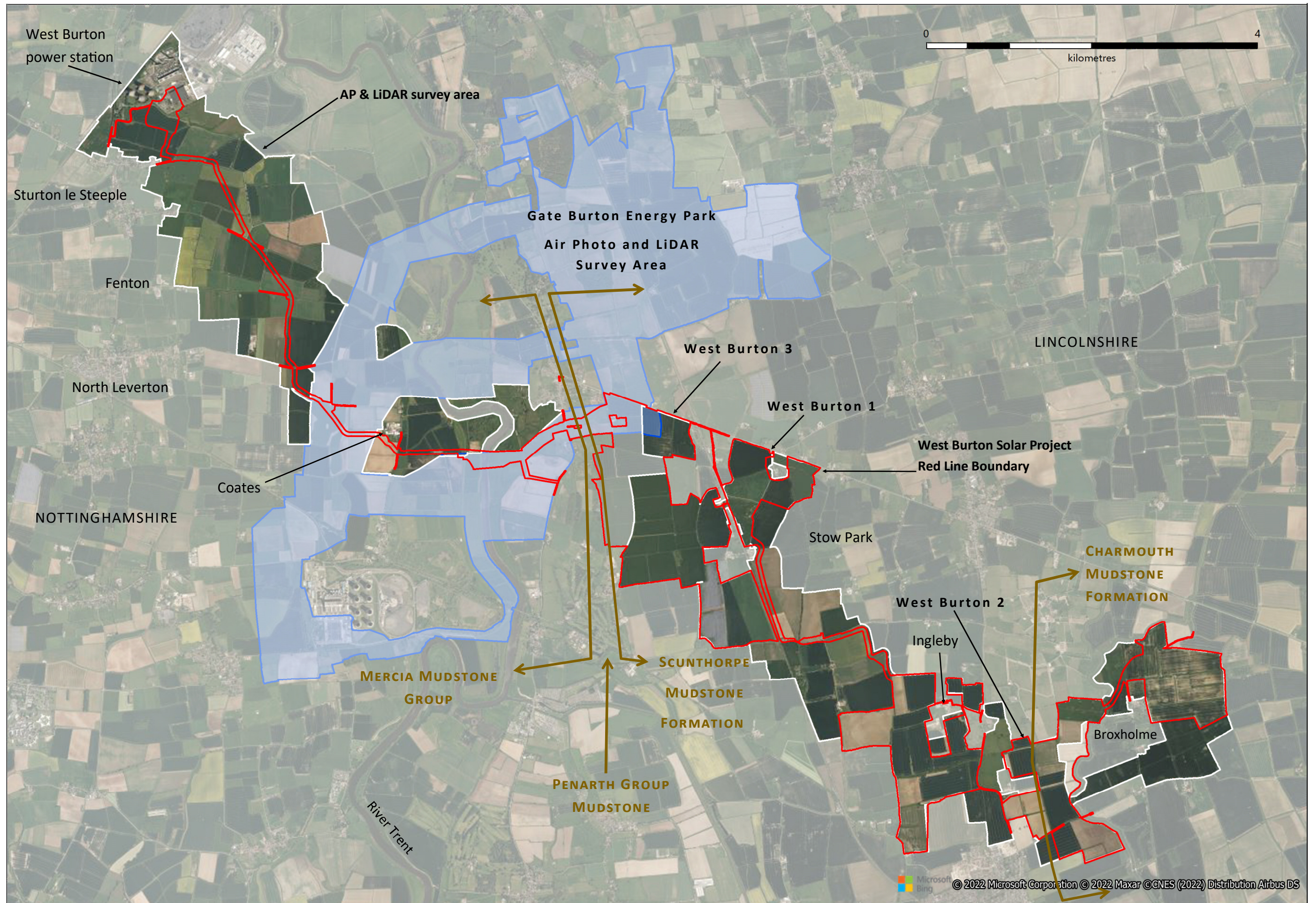


Figure 1. Location plan of the air photo & LiDAR survey area for the West Burton Solar Project and cable route, Nottinghamshire and Lincolnshire

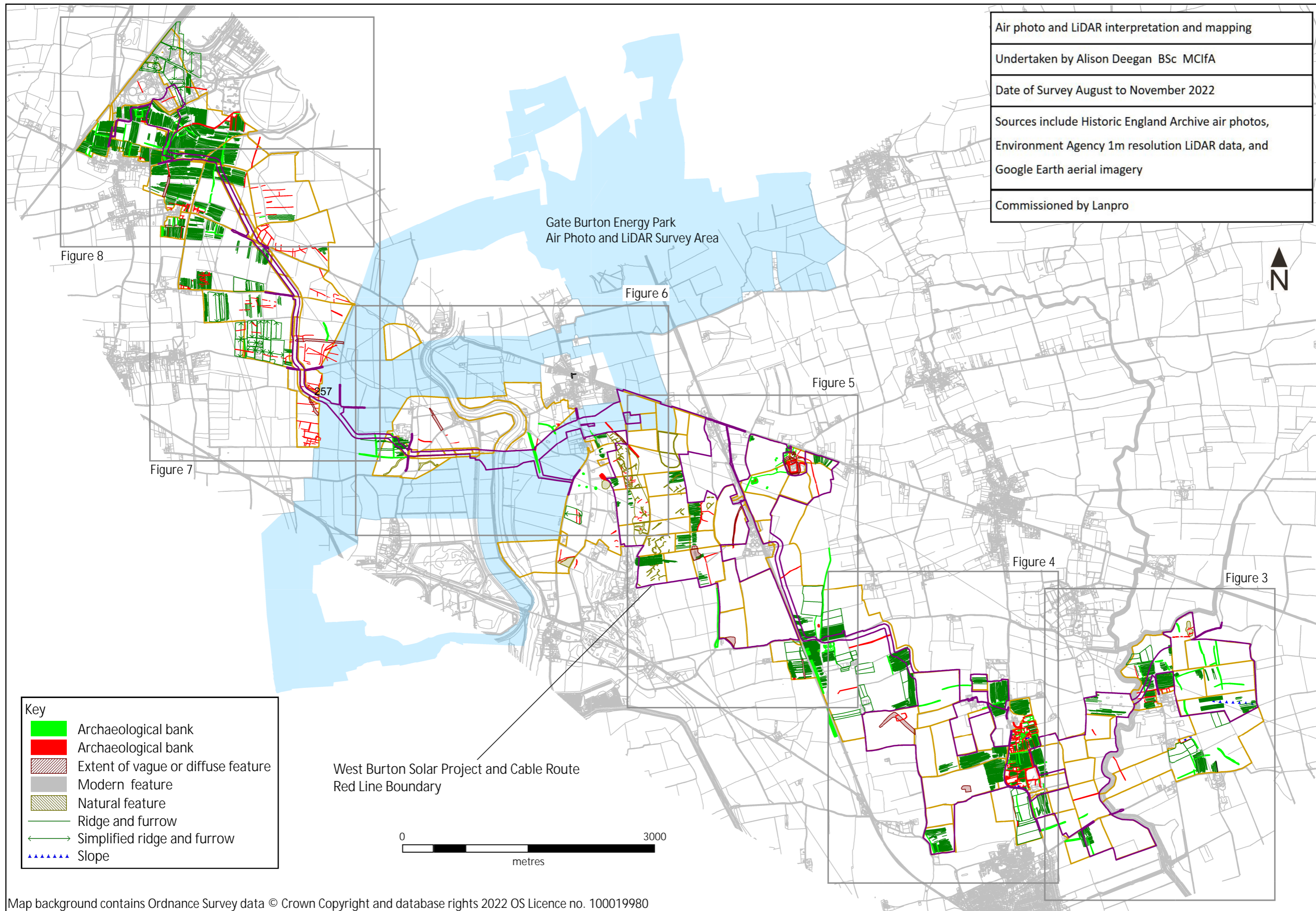
Air photo and LiDAR interpretation and mapping

Undertaken by Alison Deegan BSc MCIFA

Date of Survey August to November 2022

Sources include Historic England Archive air photos, Environment Agency 1m resolution LiDAR data, and Google Earth aerial imagery

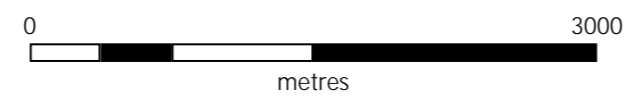
Commissioned by Lanpro



Key

- Archaeological bank
- Archaeological bank
- Extent of vague or diffuse feature
- Modern feature
- Natural feature
- Ridge and furrow
- Simplified ridge and furrow
- Slope

West Burton Solar Project and Cable Route
Red Line Boundary



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Figure 2 Overview of air photo and LiDAR mapping for the West Burton Solar project and cable routes

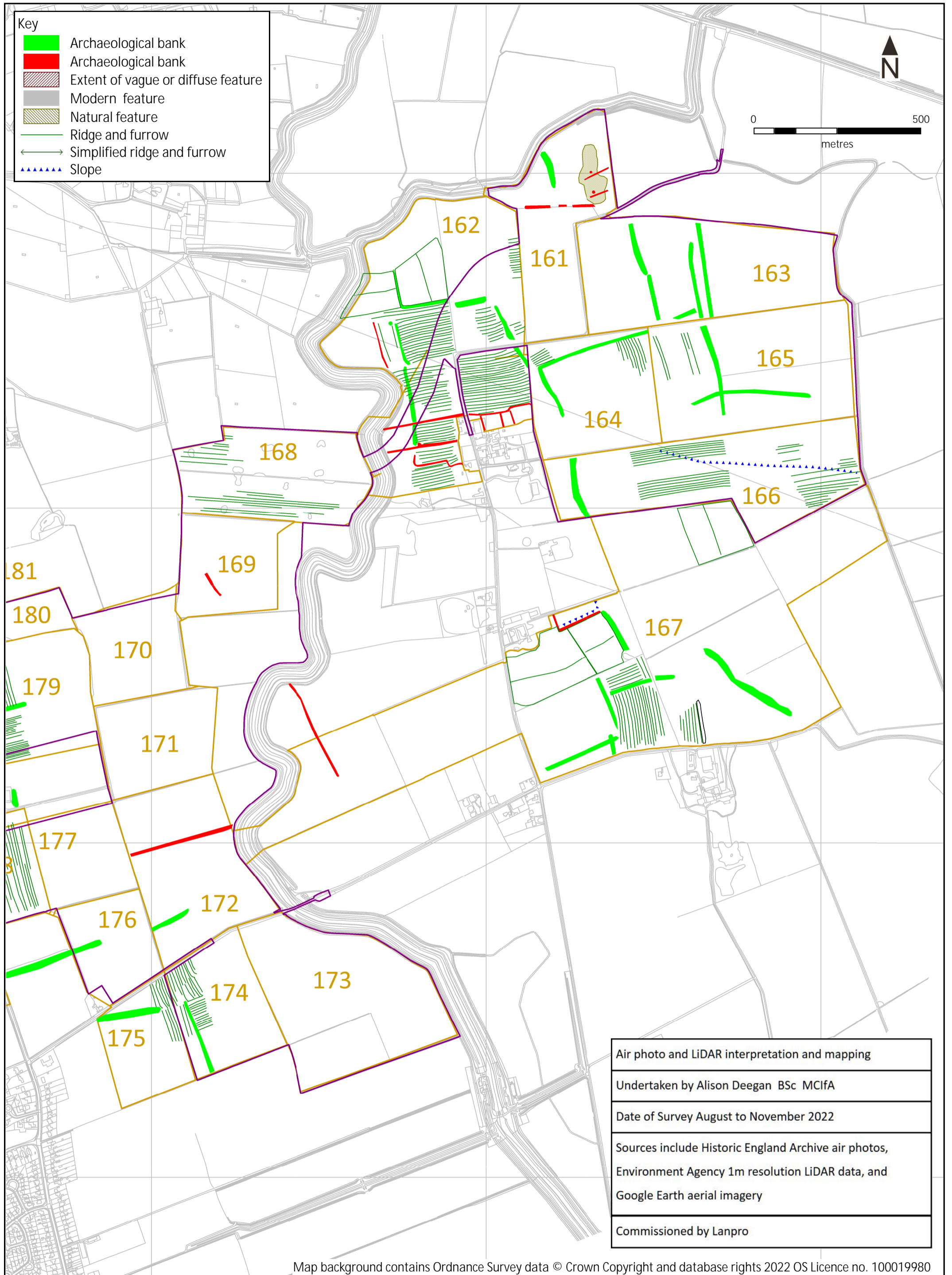


Figure 3 Air photo and LiDAR mapping for the West Burton Solar project and cable routes: Broxholme

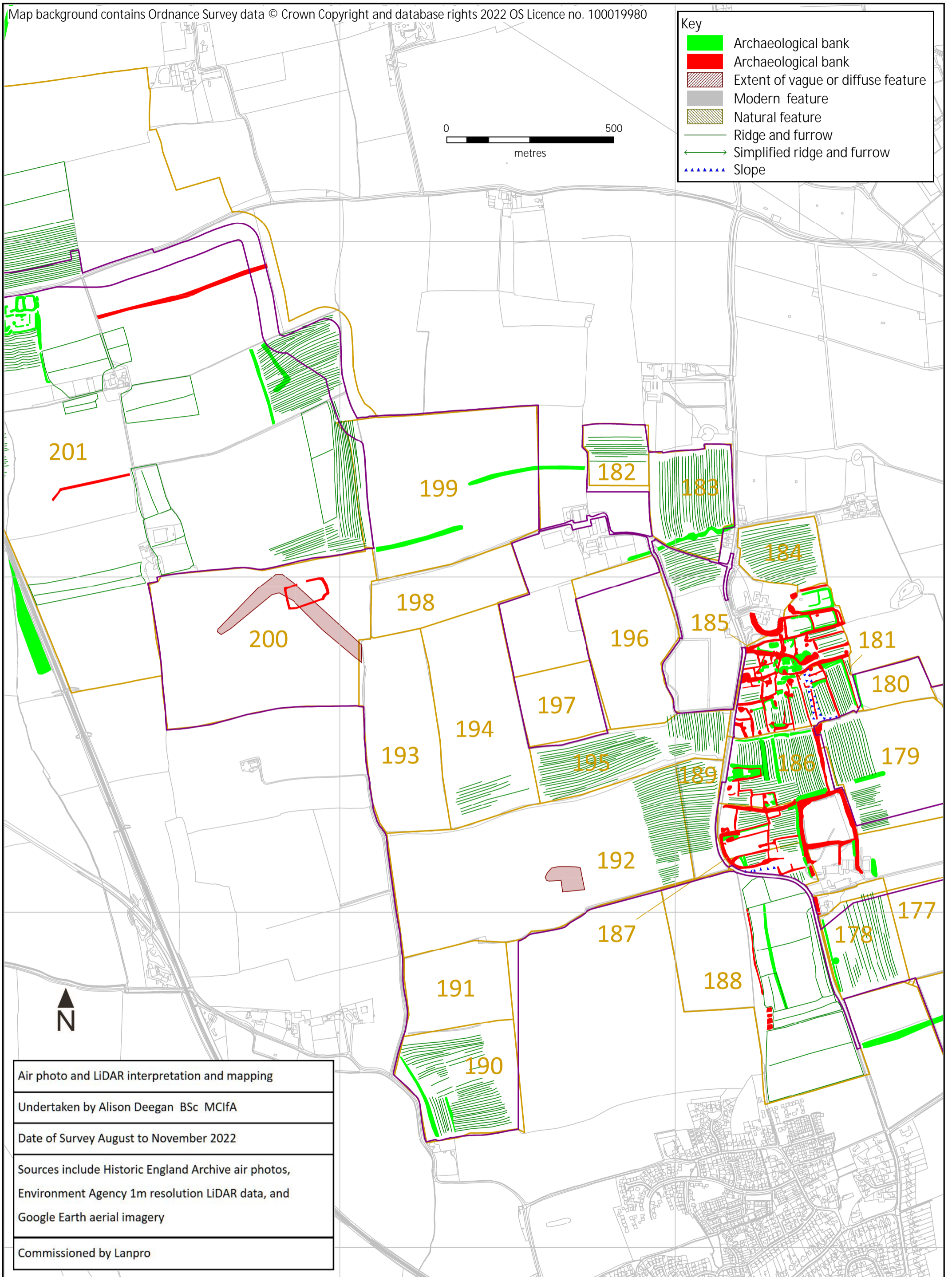


Figure 4 Air photo and LiDAR mapping for the West Burton Solar project and cable routes: Ingleby

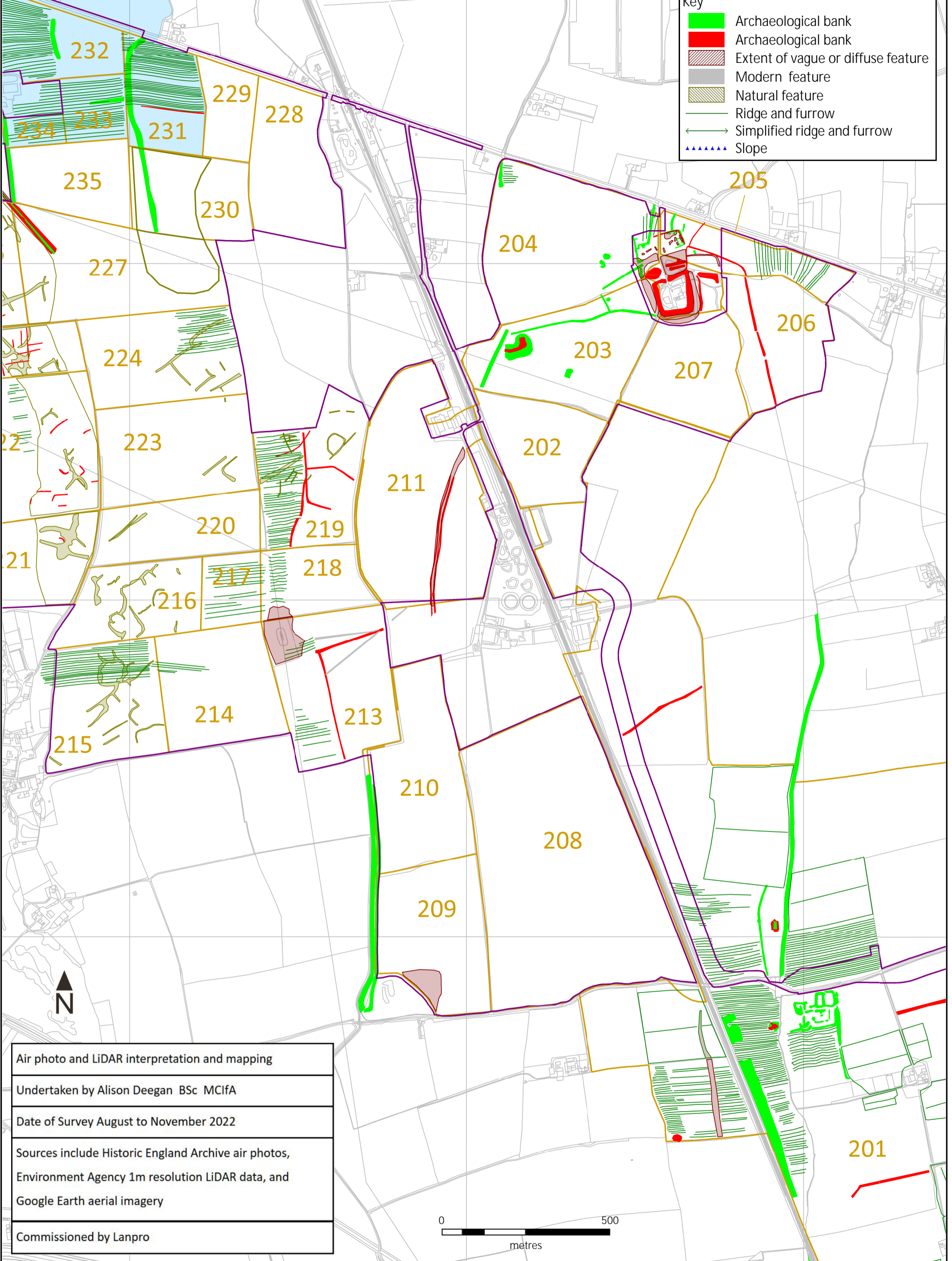


Figure 5 Air photo and LiDAR mapping for the West Burton Solar project and cable routes: Stow Park

Air photo and LiDAR interpretation and mapping

Undertaken by Alison Deegan BSc MCifA

Date of Survey August to November 2022

Sources include Historic England Archive air photos, Environment Agency 1m resolution LiDAR data, and Google Earth aerial imagery

Commissioned by Lanpro

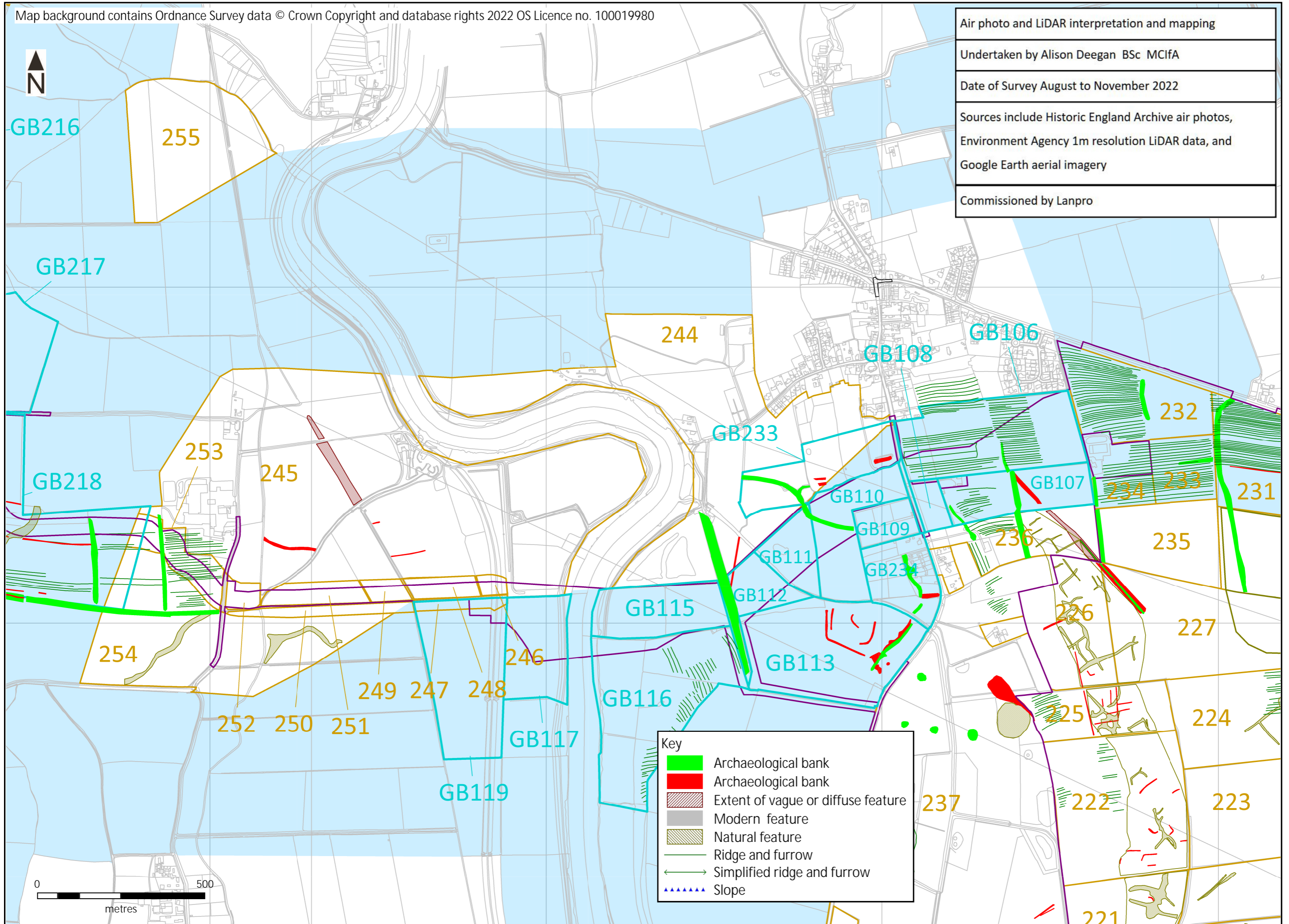


Figure 6 Air photo and LiDAR mapping for the West Burton Solar project and cable routes: Coates

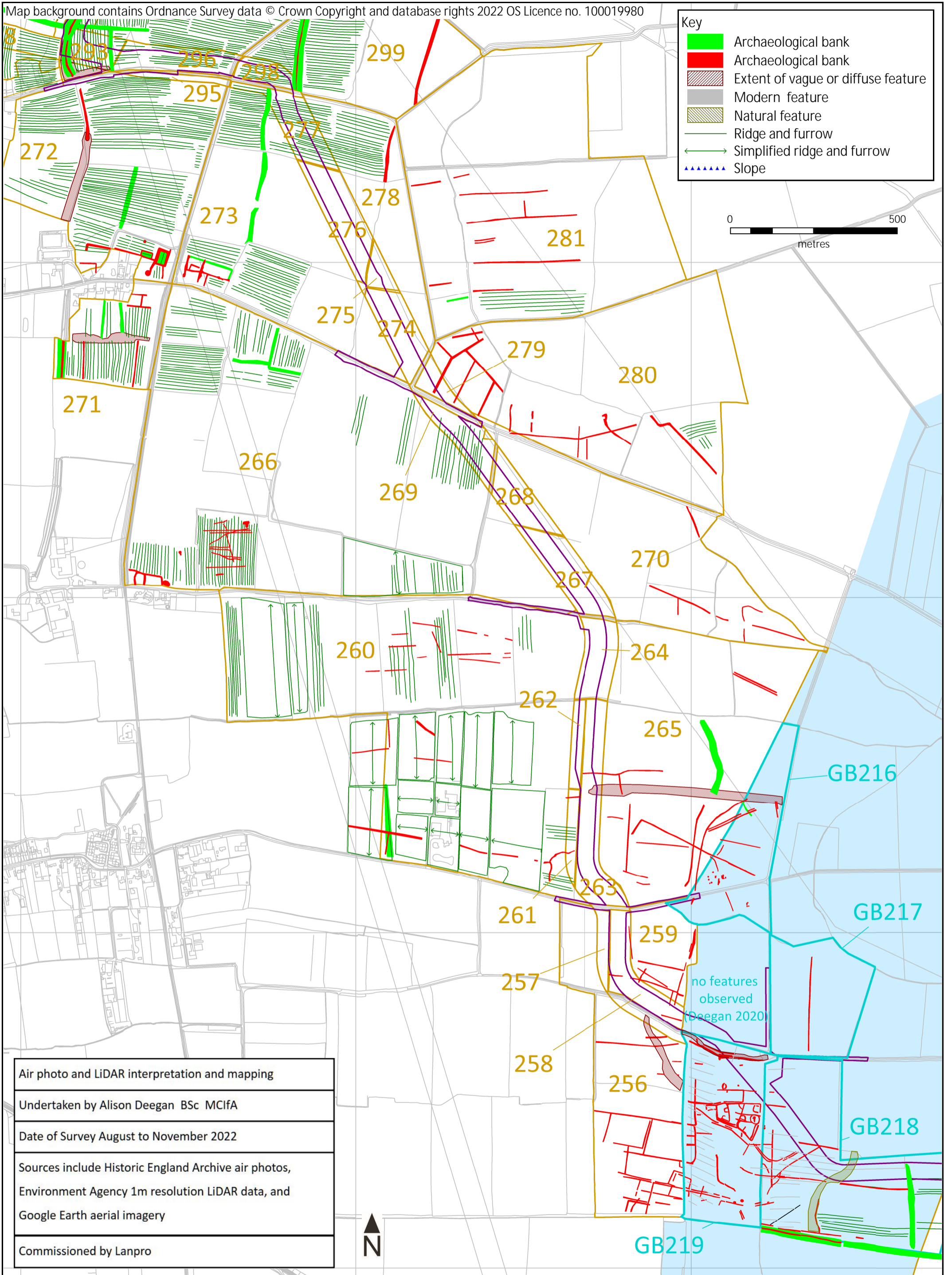


Figure 7 Air photo and LiDAR mapping for the West Burton Solar project and cable routes: Sturton le Steeple



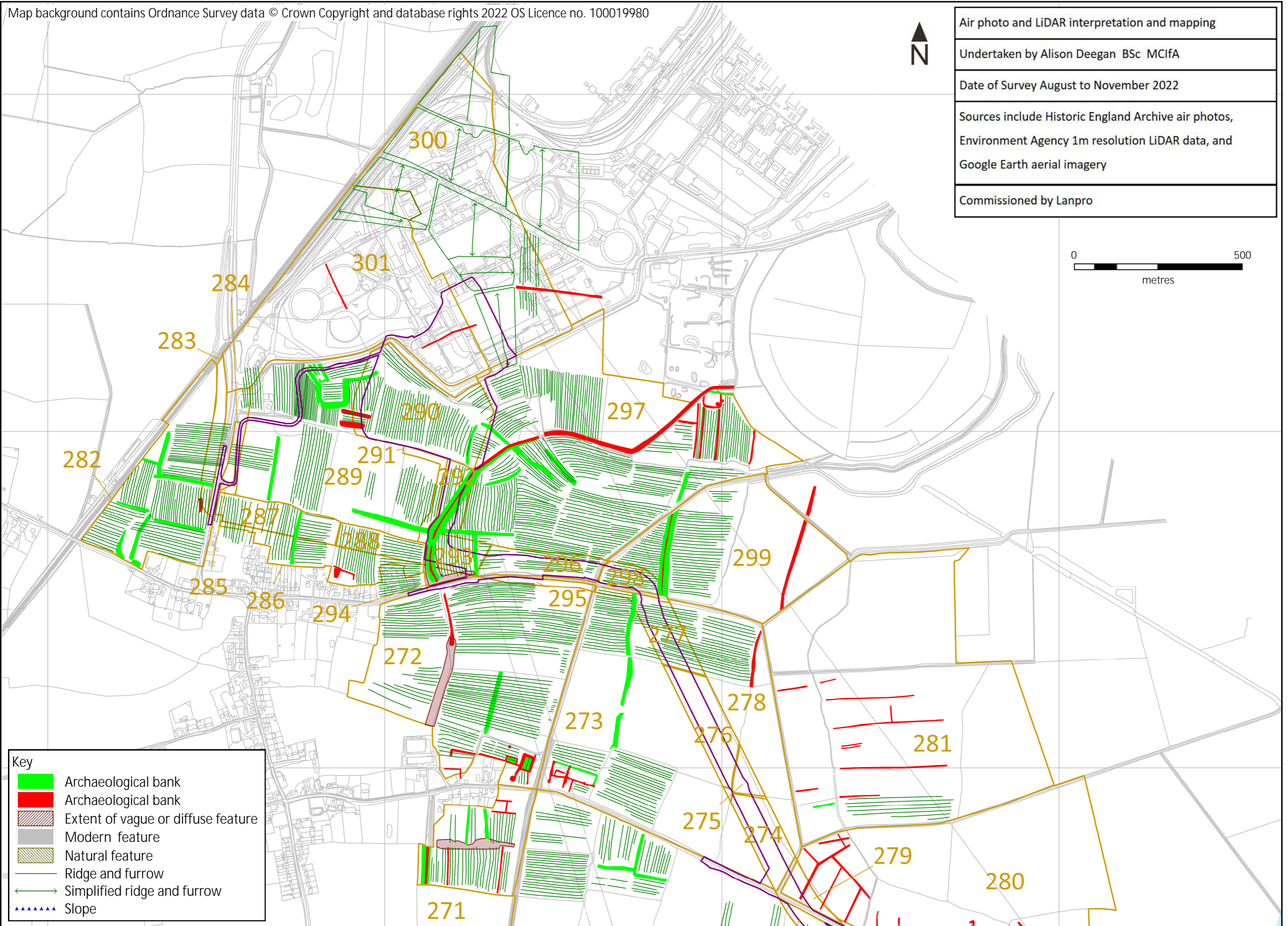
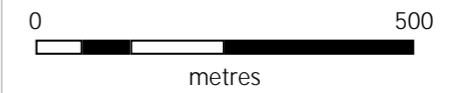
Air photo and LiDAR interpretation and mapping

Undertaken by Alison Deegan BSc MCifA

Date of Survey August to November 2022

Sources include Historic England Archive air photos, Environment Agency 1m resolution LiDAR data, and Google Earth aerial imagery

Commissioned by Lanpro



Key









-  Archaeological bank
-  Archaeological bank
-  Extent of vague or diffuse feature
-  Modern feature
-  Natural feature
-  Ridge and furrow
-  Simplified ridge and furrow
-  Slope

Figure 8 Air photo and LiDAR mapping for the West Burton Solar project and cable routes: West Burton power station