

A417 Missing Link
TR010056

6.4 Environmental Statement
Appendix 6.2 Archaeological
Assessment

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(Applications: Prescribed Forms
and Procedure) Regulations 2009**

A417 Missing Link

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6.4 Environmental Statement Appendix 6.2 Archaeological Assessment

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A417 Birdlip Missing Link

Archaeological Assessment



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A417 Birdlip Missing Link

Archaeological Assessment

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prepared by	Claudia Jorge, Heritage Consultant
date	August 2019
checked by	Andrew Burn, Heritage Consultant
date	August 2019
approved by	Richard Morton, Principal Heritage Consultant
signed	
date	August 2019
issue	2

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Cirencester Building 11 Kemble Enterprise Park Cirencester Gloucestershire GL7 6BQ t. 01285 771022 f. 01285 771033	Milton Keynes Unit 8 – The IO Centre Fingle Drive Stonebridge Milton Keynes Buckinghamshire MK13 0AT t. 01908 564660	Andover Stanley House Walworth Road Andover Hampshire SP10 5LH t. 01264 347630	Exeter Unit 1 – Clyst Units Cofton Road Marsh Barton Exeter EX2 8QW t. 01392 573970	Suffolk Unit 5, Plot 11 Maitland Road Lion Barn Industrial Estate Needham Market Suffolk IP6 8NZ t. 01449 900120
e. enquiries@cotswoldarchaeology.co.uk				

CONTENTS

1.	INTRODUCTION.....	3
2.	METHODOLOGY.....	5
3.	THE SIGNIFICANCE OF THE ARCHAEOLOGICAL RESOURCE	11
4.	ARCHAEOLOGICAL PERIODS	13
5.	CONCLUSIONS.....	20
6.	REFERENCES.....	22

ILLUSTRATIONS

Fig. 1	Study area location plan
Figs 2.1 - 2.6	Archaeological sites (labelled by 'Significance')
Figs 3.1 - 3.6	Archaeological sites (labelled by 'Period')
Fig. 4	Ridge and furrow earthworks
Fig. 5	'Important' Hedgerows

1. INTRODUCTION

- 1.1. In July 2019, Cotswold Archaeology was commissioned by Arup to undertake an archaeological assessment of an area of land around the proposed route of the A417 Birdlip Missing Link. A 'Study Area' is utilised for the report, which comprises the redline area marked on the accompanying figures. Beyond this, a '300m Buffer Area' has been utilised, illustrated as a green line on the figures. This Buffer Area provides additional context of archaeological sites around the Study Area, which further informs on the assessment of both the known and the potential resource.

Objectives and scope

- 1.2. The key objectives of this project and report are as follows:
- To compile the known records of archaeological information into a comprehensive database to be transposed into a GIS environment
 - Based on the above, identify recorded archaeological constraints within the Study Area and the 300m Buffer Area, including information on data sources, and status as a 'heritage asset' (designated heritage asset; non-designated heritage asset; or not a heritage asset)
 - Provide an initial assessment on the potential within the Study Area and 300m Buffer Area for currently unrecorded archaeological remains (i.e. any varying areas of archaeological potential)
 - Provide a gazetteer of the identified resource linked to a series of maps of the Study Area and the 300m Buffer Area
 - Set out key conclusions of the study and analysis
- 1.3. It should be noted that this report is an 'archaeological' assessment, and other elements of the historic environment are not included within its scope. Specifically, the report does not address:
- The built environment, including the 'setting' of listed buildings and Conservation Areas
 - The historic landscape
- 1.4. In order to provide suitable historic context, however, selected elements which pertain to the above are addressed by the assessment. These comprise:
- The locations, grades and physical descriptions of listed buildings within the Study Area and 300m Buffer Area

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- Hedgerows which are depicted on mid-19th-century Tithe Maps, and are thus defined as 'important' under the criteria for archaeology and history of the 1997 Hedgerows Regulations
 - Some specific types of historic landuse, which are included as 'heritage assets' on the Gloucestershire HER. These include 'ancient woodland' and 'historic orchard'

Project team

1.5. The project team has comprised:

- Claudia Jorge AlfA, Heritage Consultant
- Richard Morton MlfA, Principal Heritage Consultant

1.6. Both Claudia and Richard are affiliates/members of the Chartered Institute for Archaeologists (CIfA). Cotswold Archaeology is a Registered Organisation with the CIfA.

2. METHODOLOGY

- 2.1. Key outputs of this archaeological assessment are the GIS data layers, which have been provided with this report to the client. Given the large scale of such infrastructure schemes, GIS represents a vital tool for the management of the archaeological data.

Data collection, analysis and presentation

- 2.2. The analysis has been informed by a proportionate level of information sufficient to understand the archaeological potential of the Study Area and the significance of identified heritage assets. The data has been collected from a wide variety of sources, summarised in Table 2.1.

Source	Data
National Heritage List for England (NHLE)	Current information relating to designated heritage assets, and heritage assets considered to be 'at risk'.
Gloucestershire Historic Environment Record (HER)	Heritage sites and events records, Historic Landscape Characterisation (HLC) data, and other spatial data supplied in digital format (shapefiles) and hardcopy.
Historic England Archives (EHA)	Additional sites and events records, supplied in digital and hardcopy formats.
Gloucestershire Archives	Historic mapping, historic documentation, and relevant published and grey literature.
Historic England's Aerial Photograph Research Unit	Vertical and oblique aerial photography ranging in date from the 1940s to present.
Environment Agency (EA) website	LiDAR imagery and point cloud data, available from the Environment Agency website.
Genealogist, Envirocheck, National Library of Scotland & other cartographic websites	Historic (Ordnance Survey and Tithe) mapping in digital format.

Table 2.1 Key data sources

- 2.3. These sources informed the assessment of the archaeological resource of both the Study Area and the 300m Buffer Area.

The Databases

- 2.4. The key requirement of this project was to create a comprehensive database of the archaeological resource for the Study Area and 300m Buffer Area. The variety of

repositories that include information on the same sites means that diverse and sometimes incomplete information exists; the main aim of the project was to synthesize said information removing duplicate and irrelevant entries. Three databases were created as part of this exercise:

- Scheduled Monuments database
- Listed Buildings database
- Non-designated 'archaeology' database

2.5. The databases are included as part of the package in Excel and PDF format as well as GIS geodatabase shapefiles. These are editable and can be viewed in the preferred format.

The database fields

2.6. The databases include broadly the same fields with minimal adaptations to the status and type of heritage asset. The fields available for each database are as follows:

- **Our Reference** – The reference given by Cotswold Archaeology to each entry; the Scheduled Monuments are prefixed **SM** followed by the relevant sequential number (i.e. SM1, SM2); Listed Buildings are prefixed **LB** (i.e. LB1, LB2) and finally the non-designated archaeological sites are solely numbered. NOTE: to ease usability of the results, the relevant entries run sequentially from east to west
- **HER Reference** - the reference number given to every event, monument and similar by the Gloucestershire Historic Environment team.
- **NMR Reference** – the reference number given to every event, monument and similar by the National Monument record, now Historic England.
- **Description** - a short description of the asset.
- **Period** – the historical period to which the asset belongs (even if putative).
- **Type** – the type of monument or asset (i.e. moat, hillfort, earthwork).
- **Sources** – a list of articles, books etc. which refer to the asset and provide information on its definition, classification, evidence and chronology.
- **NGR** – the National Grid Reference associated with the asset, in this case it relates to a centre point.
- **Easting** - the easting point essential to transpose the centre point into a GIS environment.

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- **Northing** – the northing point essential to transpose the centre point into a GIS environment.
 - **Related Monuments** – other assets, within the database that are in association with it (i.e. in close proximity, same period, same type of feature, etc.).
 - **HLC Type** – Historic Landscape Type (see note in section 1: this only comprises elements of historic landuse identified in the Gloucestershire HER, including ancient woodland and historic orchard). A full review of historic landscape characterisation is not within the scope of the assessment
 - **Significance** - in heritage terms, the significance of the asset (i.e. high, medium or low values)
 - **Historic Maps** – the historic maps which show the assets, either as earthworks or by mentioning it.
 - **Parish** – the historic parish in which the asset is located, sometimes ties in with the historic maps field (i.e. tithe maps and enclosure awards)
 - **LiDAR** – if the asset is visible or not on LiDAR (when data is available or is applicable)
 - **Notes on Historic Maps** – ties in with the field for the historic maps, some include references to archaeological sites (i.e. the *Roman Camp* reference on the 1884 1st Edition Ordnance Survey at Crickley Hill)
 - **Study Area** – if the asset is located or extends onto the Study Area (i.e. as the contiguous blocks of ridge and furrow)
 - **300m Buffer Area** - if the asset is located or extends onto the 300m Buffer Area (i.e. as the contiguous blocks of ridge and furrow)
 - **Aerial Photograph** – the references of the aerial photographs which show the assets, and potentially the earthworks or cropmarks.

The Geodatabase

2.7. A geodatabase file was created to use within a GIS environment which includes the databases mentioned above as shapefiles. This allows the displaying of the data in a user-friendly way. The fields can be chosen to show the same heritage asset according to its period, type, significance or any other field (see Figures prefixed 2 for *Significance* and Figures prefixed 3 for *Period*).

2.8. The geodatabase also includes georeferenced historic maps and aerial photographs as raster images. The display of such rasters is optional and the layer can be easily toggled on and off as preferred.

Aerial photographs held at Historic England Archives

- 2.9. Aerial photographs held at Historic England were examined as part of this assessment, ranging in date from 1942 to 1990.

LiDAR imagery

- 2.10. Existing 1m Digital Terrain Model (DTM) LiDAR data was analysed with the specific aim of clarifying the extent of any potential archaeological remains mentioned on the HER and other sources.
- 2.11. Only around a half of the Study Area is covered by existing available LiDAR results.
- 2.12. LiDAR DTM tiles were obtained from the Environment Agency (EA), through the Government Open Data portal (environment.data.gov.uk). The data was available at 50cm-resolution for the western extent of the Study Area. DTM tiles were downloaded in ASCII (.asc) format, with each .asc file covering an area measuring 100x100m-square. EA state that their specifications for Lidar data require absolute height error to be less than +/-15cm, and relative error to be less than +/-5cm (EA, 2016). The planar accuracy of the data is guaranteed to +/- 40cm (absolute), while relative planar accuracy depends on the altitude of the survey aircraft but can generally be said to be +/-20cm (ibid.).
- 2.13. The LiDAR .asc files contain British National Grid as the “native” coordinate reference system. Esri’s ArcMap 10.5.1 was employed to create and visualize the data in ways which emphasize the micro-topographical variation suitable for identifying potential archaeological features. The DTM tiles were combined into mosaic raster datasets using QuantumGIS 3.4.
- 2.14. A number of visualizations were then produced including multi-direction hillshading and local relief model using ArcMap 10.5.1. The parameters were set to those appropriate for the topography of the area.
- 2.15. The output images from the RVT software were then imported into the geodatabase, and further settings manipulation was undertaken to enhance the visualization for archaeological feature detection in ArcMap 10.5.1.

Previous archaeological investigations

- 2.16. A considerable amount of archaeological fieldwork has previously been carried out within the Study Area and the 300m Buffer Area. Previous investigations, which

included assessments as well as a range of intrusive works, such as watching briefs, evaluations and excavations were included and merged with monument points into the single database.

Value of historic assets

- 2.17. The importance or value of each heritage resource within the study area was determined according to the DMRB criteria set out in Table 2.1.

Table 2.1 Importance/value criteria for heritage resources

Criteria for establishing importance/value of heritage resources	
Value	Typical descriptors
Very high	Very high importance and rarity, international scale and very limited potential for substitution. Includes World Heritage Sites and nominated sites.
High	High importance and rarity, national scale, and limited potential for substitution. Includes scheduled monuments, listed buildings (all grades), Grade I registered parks and gardens, conservation areas containing very important buildings, undesignated structures of clear national importance, undesignated resources of schedulable quality and importance.
Medium	Medium or high importance and rarity, regional scale, limited potential for substitution. Includes conservation areas containing buildings that contribute significantly to historic character, Grade II registered parks and gardens, and non-designated archaeological remains.
Low	Low or medium importance and rarity, local scale.
Negligible	Very low importance and rarity, local scale.

Limitations of the assessment

- 2.18. This assessment is a desk-based study and has utilised secondary information derived from a variety of sources, only some of which have been directly examined for the purpose of this assessment. The assumption is made that this data, as well as that derived from secondary sources, is reasonably accurate. The records held by HER and HEA are not a record of all surviving heritage assets, but a record of the discovery of a wide range of archaeological and historical components of the historic environment. The information that is held within these repositories is not complete, and does not preclude the subsequent discovery of further elements of the historic environment that are, at present, unknown.
- 2.19. The best resolution of digital terrain model lidar imagery of the Site, available from the Environment Agency, is 1m and covers only the southern areas of the Study and 300m Buffer Areas.

2.20. The creation of each entry was based on Easting (X) and Northing (Y) values of the National Grid References provided by the entries of the repositories. This means that the entries created relate to a centre point and do not directly reflect the full extension of certain features (i.e. the contiguous blocks of ridge and furrow that exist across the landscape). Certain entries have their central point outside of the Study and 300m Buffer areas mostly due to their extension.

3. THE SIGNIFICANCE OF THE ARCHAEOLOGICAL RESOURCE

3.1. A summary analysis of the data collated relating to its significance (as set out in the Methodology section above) is provided below and is illustrated on Figures 2.1 – 2.6. Summary tables have been included.

High Significance

3.2. Within the Study Area there are four heritage assets that are considered to be of potentially High significance:

CA Reference	Description	Period	Type
SM3	Emma's Grove bowl barrows	Prehistoric	Barrows
LB14	Grade II Listed status milestone of 19th century date	Post-Medieval	Listed Building
LB15	Grade II Listed Golden Heart Inn	Post-Medieval	Listed Building
156	Ermin Way - Roman road running from Cirencester to Gloucester	Roman	Road

Table 3.1 High significance heritage assets within the Study Area

3.3. Two other heritage assets considered to be of High significance are located within the 300m Buffer Area (see the Scheduled Monument Database in Appendix 1 and Figure 2). These are both Scheduled Monuments:

- SM1 – Moat and fishpond at Bentham Manor
- SM2 – Crickley Hill Hillfort/ Camp

Medium Significance

3.4. Within the Study Area there is one heritage asset that is considered to be of Medium significance:

CA Reference	Description	Period	Type
253	An Iron Age enclosure, linear features and pits	Prehistoric	Cropmark

Table 3.2 Medium significance heritage assets within the Study Area

3.5. There are several other Medium significance heritage assets within the 300m Buffer Area, settlement sites that have been thoroughly investigated including, in most cases, multi-period occupation, remains visible on LiDAR or as cropmarks; and earthworks of Deserted Medieval Villages (see the Archaeology Database on Appendix 1 and Figure 2).

Medium to Low Significance

- 3.6. Several assets were considered to be of an overall low significance but have potential to acquire medium significance pending further investigations due to their nature or the association with other assets. Within the Study Area there are four heritage assets that are considered to be of Medium to Low Significance.

CA Reference	Description	Period	Type
11	Irregular cropmarks east of Ardencote Piggery	Unknown	Cropmarks
75	Linear features and a non-archaeological mound	Multiperiod	Earthworks
115	Stockwell Deserted Medieval Village	Medieval	Earthworks
121	A scatter of Romano British pottery	Roman	Findspot

Table 3.3 Medium to Low significance heritage assets within the Study Area

- 3.7. Within the 300m Buffer Area there are twelve other heritage assets considered to be of Medium to Low significance. These mostly comprise earthworks and cropmarks in association with, or in very close proximity to, other relevant heritage assets. Further investigation techniques may refine understanding of their character and significance.

Low Significance

- 3.8. The Low significance category is the most numerous of all and within the Study Area there are c.50+ heritage assets in this category. Most of these heritage assets comprise findspots found scattered across the landscape, earthworks, and cropmarks for which there is little substantial evidence, study or association with other assets/ monuments (see the Archaeology Database on Appendix 1 and Figure 2).

4. ARCHAEOLOGICAL PERIODS

- 4.1. A summary analysis of the data collated relating to each archaeological period is set out below and has been illustrated on Figures 3.1 – 3.6.

Multi-period

Context and known sites

- 4.2. The archaeological resource records several sites in which activity or occupation has spanned across several periods. Although this does not mean that the occupation of said sites was continuous, it does imply the successive use of the same landscape through time (on some occasions with similar activities being developed i.e. ritual, settlement, quarrying and agriculture).

Study Area

- 4.3. Within the Study Area there is one definite heritage asset that can be considered multi-period and of High or Medium significance (see the Archaeology Database on Appendix 1 and Figure 3).

CA Reference	Description	Type
75	Linear features and a non-archaeological mound	Earthworks

Table 4.1 Multi-period sites within the Study Area

300m Buffer Area

- 4.4. Within the 300m Buffer Area five other multi-period sites can be found (see the Archaeology Database on Appendix 1 and Figure 3). These mostly pertain to settlement sites and earthworks.

Potential for currently unknown multi-period sites

- 4.5. Evidence for multi-period sites is not abundant, but when present these sites are usually rich in archaeological evidence. These sites will then have evidential and historic values which would render these sites of medium to high significance, which could require extensive and comprehensive study through archaeological investigations. This type of site usually provides information on several cultural groups and their evolution and relations, sometimes through the continuous use of the same site or also through its interspersed occupation.
- 4.6. It is very likely that at least some settlement sites that are currently known to be of a particular period could, possibly following further investigations, be demonstrated to be of several phases of occupation.

Prehistoric

Context and known sites

- 4.7. Known sites of the prehistoric period mostly comprise settlement sites, ritual sites (barrows) and findspots.

Study Area

- 4.8. Within the Study Area there is only one record of a prehistoric site considered to be of High significance (see the Archaeology and Scheduled Monuments Databases on Appendix 1 and Figure 3). No Medium significance sites are identified.

CA Reference	Description	Type
SM3	Three bowl barrows, known as Emma's Grove round barrows	Barrow

Table 4.2 Prehistoric sites within the Study Area

- 4.9. Although the mounds of the three barrows known as Emma's Grove round barrows have been disturbed, they survive well and will contain evidence for primary and secondary burials, along with grave goods.

300m Buffer Area

- 4.10. Within the 300m Buffer Area there is 1 heritage asset considered to be of High significance and 4 others considered to be of Medium significance (see the Archaeology and Scheduled Monument Databases on Appendix 1 and Figure 3). These mostly comprise ritual and settlement sites with verified activity and occupation.

Potential for currently unknown prehistoric remains

- 4.11. Potential for unrecorded remains of this period exist in areas of proximity to known remains, and their environs. Some of the sites recorded are visible as cropmarks which due to location and/or shape are connected with the prehistoric period, but of which there is no certainty to their chronology without further investigations. Surviving remains would likely be of historic and evidential value.

Roman

Context and known sites

- 4.12. Within the Study Area and 300m Buffer Area there are extensive records of Romano-British occupation of the landscape. The records are mostly comprised of road alignments, settlement sites of varying nature (from *villas*, to small rural estates), field systems, cemetery sites (or the occasional isolated inhumation or cremation burial) and a very large amount of findspots (including coin hoards, pottery scatters, brooches, etc.).

Study Area

- 4.13. Within the Study Area there is only one record of a Romano-British site considered to be of High or Medium significance (see the Archaeology and Scheduled Monuments Databases on Appendix 1 and Figure 3).

CA Reference	Description	Type
156	Ermin Way - Roman road running from Cirencester to Gloucester	Road

Table 4.3 Roman sites within the Study Area

- 4.14. The line of Ermine Street (32) runs on the southern side of the Study Area. Parts of the Roman road may potentially survive beneath the present A417 dual carriageway. From around Stockwell, the Roman road continues as the road to Birdlip. Although flagged as potentially of High significance, the evidence for surviving Roman surfacing and roadside ditches is in fact highly variable.

300m Buffer Area

- 4.15. Within the 300m Buffer Area there are two sites that are considered to be of High or Medium significance (see the Archaeology and Scheduled Monuments Databases on Appendix 1 and Figure 3). These both comprise settlement sites.

Potential for currently unknown sites

- 4.16. Potential for unrecorded remains of this period exists in areas of proximity of known remains but also in the environs. There is extensive evidence of the connection between Roman roads to settlement sites of varied nature (anything from villa complexes, to necropolis or small rural settlement sites) and the survival of remains of this nature cannot be excluded. These remains would be of historic and evidential value and hence be of significance.

Early medieval and medieval

Context and known sites

- 4.17. Within the Study Area and 300m Buffer Area there are several records of the medieval period. These mostly comprise earthworks, which also include two areas of the remnants of a deserted medieval village (or DMV), field boundaries and some findspots.

Study Area

- 4.18. Within the Study Area there is only one record of a Medieval site considered to be of Medium significance (see the Archaeology Database on Appendix 1 and Figure 3), comprising a Deserted Medieval Settlement.

CA Reference	Description	Type
127	Stockwell DMV (Deserted Medieval Village)	Earthworks

Table 4.4 Medieval sites within the Study Area

300m Buffer Area

- 4.19. Within the 300m Buffer Area there are two sites that are considered to be of Medium significance (see the Archaeology and Scheduled Monuments Databases on Appendix 1 and Figure 3). These comprise settlement sites and earthworks.

Potential for currently unknown sites

- 4.20. Potential for unrecorded remains of this period exists in areas of proximity of known remains but also in the environs. Certain hamlets and towns are known since the early medieval period and the landscape in the environs was mostly used for agriculture. Evidences for said activity usually survive as ridge and furrow earthworks which can survive remarkably well and be visible to the naked eye, as well as being visible in aerial photography and LiDAR imagery. Cases where these earthworks are well preserved can have evidential value and hence be of some heritage significance.

Post-medieval

Context and known sites

- 4.21. By far the most represented period, the post-medieval resource is extensive and broad with records mostly pertaining to buildings, roads and earthworks.

Study Area

- 4.22. There is one single record within the Study Area relating to the Post-Medieval period that is considered to be of High significance (see the Listed Building Database on Appendix 1 and Figure 3), namely a listed milestone.

CA Reference	Description	Type
LB14	Grade II Listed status milestone of 19th century date	Listed Building

Table 4.5 Post-Medieval sites within the Study Area

300m Buffer Area

- 4.23. Within the 300m Buffer Area there are some 15 sites that are considered to be of High or Medium significance (see the Listed Buildings Database on Appendix 1 and Figure 3). These mostly comprise settlement sites and earthworks.

Further Potential

- 4.24. Potential for further remains of this period to remain undiscovered is considered to be low due to the nature of the resource, but in the event of the discovery of new assets of this period these would retain evidential and historic value thus being of significance, albeit being low.

WWII and Modern

Context and known sites

- 4.25. Heritage assets of the WWII period are scattered across the landscape of the Study Area and 300m Buffer Area. Some of these sites are not extant anymore and are recorded in sources simply as 'site of'.
- 4.26. Very few sites relating to the modern period are recorded within the Study Area and 300m Buffer Area. Those that are include a 1950/60s cricket ground and some earthworks found to be related to spoil heaping from modern developments (the latter not comprising a heritage asset).

Study Area

- 4.27. Within the Study Area there are no sites considered to be of High or Medium significance (see the Archaeology Database on Appendix 1 and Figure 3).

300m Buffer Area

- 4.28. Within the 300m Buffer Area there are also no sites considered to be of High or Medium significance (see the Archaeology Database on Appendix 1 and Figure 3).

Further Potential

- 4.29. There is good knowledge of the features that relate to this period, which are mostly related to buildings (i.e. factory sites, radio station, pillboxes) and earthworks (i.e. balloon barrages) and the discovery or record of new sites relating to the modern period is still possible. These new assets would have evidential and historical values thus contributing to their overall, generally limited, significance. Groupings of such assets (i.e. a balloon barrage associated with an airfield with pillboxes on the outer edges) would collectively increase their significance.
- 4.30. The discovery of any more such sites is possible but these types of heritage assets generally have limited heritage values.

Undated Sites (Unknown)

Context and known sites

- 4.31. Some potential heritage assets that are identified by secondary sources (i.e. aerial photographs, LiDAR, etc.) are effectively undated, commonly due to lack of evidence. Some sites have been subjected to some form of investigation (geophysical survey, archaeological intervention, etc.) but have not yielded any dating evidence. Several records of both cases are represented across the landscape but their potential significance is usually low either due to their nature (i.e. isolated cropmarks with no associated sites) or due to their lack of evidential and historic values (as there was no material evidence generated from their investigations).

Ridge and Furrow

Context and known sites

- 4.32. As the landscape within the Study Area and 300m Buffer Area was mostly agricultural the remains of ridge and furrow, both medieval and post-medieval are abundant. Several contiguous blocks of ridge and furrow were observable on historic aerial photographs and some do still survive and are observable to the naked eye or, clearly identifiable on LiDAR.

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- 4.33. Depending on the level of survival and rarity of the remnants of ridge and furrow they can be considered of medium to low significance due to their evidential and historic values. There are numerous earthwork sites recorded across the Study Area. The most extensive type comprises mapped remains of 'ridge and furrow', which have been mapped on a separate GIS layer. Ridge and furrow earthworks of medieval date are commonly around 8m between the tops of the ridges, and of a characteristic reverse-'S' shape. Where they survive well, these earthworks are of some moderate heritage value; it is normally only in cases where preservation of the earthworks is extremely good that there may be a case for preservation in situ. Ridge and furrow earthworks which are more closely spaced and straighter are generally of a later, post-medieval, origin. They are normally of limited heritage interest.
- 4.34. Where ridge and furrow earthworks have been lost, generally through post-war deep-ploughing, any surviving below-ground remnants of furrows would not be of sufficient heritage value to comprise 'heritage assets'.

Hedgerows

- 4.35. Hedgerows present along field boundaries scattered across the Study and 300m Buffer areas (Fig. 5) that were first depicted on the tithe maps of 1843 are likely to comprise '*important*' hedgerows under the criteria for archaeology and history of the Hedgerow Regulations 1997, as they pre-date the Enclosure Act of 1845, and subsequent Acts up to the Commonable Rights Compensation Act of 1882. Such hedgerows do not comprise designated heritage assets, but are '*non-designated heritage assets*' of low heritage significance. The Regulations is essentially a notification mechanism, requiring appropriate notice be given to the LPA prior to removal of stretches of important hedgerow.

5. CONCLUSIONS

The GIS and databases

- 5.1. The databases have been collated with the objective of synthesizing the available repositories of the archaeological and built heritage resource. The purpose was to provide a user-friendly digital tool which allows the quick and clear identification of areas of archaeological constraint or potential, and thus aiding suitable management of the archaeological resource.
- 5.2. The GIS package was designed to provide a broad range of specifications to cater for the needs and/ or preferences of the user. Each entry can be viewed in several different ways to generate the desired output. It is also possible to interrogate each entry individually and access all the information provided.
- 5.3. There are several archaeological sites which may potentially contain archaeological remains of notable archaeological interest. In these cases there is generally insufficient information to characterise them fully; but there is some possibility for associated remains of up to Medium or even High significance (i.e. potentially of equivalent value to a Scheduled Monument). These sites include an Iron Age enclosure (**103**); a cropmark site near Ardencote (**8**); cropmarks near Cuckoo Pen (**67**); Stockwell Deserted Medieval Village (**79**); and a scatter of Roman pottery (**153**) (which may well indicate a settlement site) south of Shab Hill. Further archaeological techniques would likely provide further information on the character and significance of these sites.

Common forms of archaeological site

- 5.4. There are several distinct types of site or monument which are predominant in the Study Area.

Earthworks

- 5.5. There are numerous earthwork sites recorded across the Study Area. The most extensive type comprises mapped remains of 'ridge and furrow', which have been mapped on a separate GIS layer. Ridge and furrow earthworks of medieval date are commonly around 8m between the tops of the ridges, and of a characteristic reverse-'S' shape. Where they survive well, these earthworks are of some heritage value; it is normally only in cases where preservation of the earthworks is extremely good that there may be a case for preservation in situ.

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- 5.6. Ridge and furrow earthworks which are more closely spaced and straighter are generally of a later, post-medieval, origin. They are normally of little or limited heritage interest, and rarely form a significant constraint.

Cropmarks

- 5.7. Several sites are recorded across the Study Area which have been identified as potential below-ground archaeological remains from cropmarks. Cropmarks may indicate either cut features such as ditches, or 'positive' features such as buried walls. These are often included on the HER or other sources, as 'possible' sites, with limited reference to characteristics of form. Further analysis of aerial photographs in particular for the present report has sometimes not identified the referred to site at all, or not added a great deal more regarding character. The GIS product and database gazetteer include a field reference to the key photographic sources for such cropmark sites.

Findspots

- 5.8. A very common record comprises 'findspots'. In most cases the find in question has in fact been moved, and thus the record for its location (i.e. where it was originally found) is not, strictly, a heritage asset. Such finds can sometimes indicate areas of former settlement, but are also commonly just chance losses, and would not necessarily indicate archaeological potential. The locations of findspots rarely indicate a significant archaeological constraint.

6. REFERENCES

See the Appendices for key sources accessed and cited for this assessment.

APPENDIX 1: DATABASES

Scheduled Monument Database

Our Reference	HER reference	NMR/ HE reference	Description	Period	Type	Importance	Historic Maps	Parish	Lidar	Notes on Historic maps	Study Area	300m Buffer	Aerial Photograph
SM1	172	1016764	Moat and fishpond at Bentham Manor	Medieval	Moat	High	1st Edition OS, Badgeworth and Sherdington Magna Parish Tithe map	Badgeworth	No data available	<i>Moat</i>	No	Yes	1983, 5913 - SO 91 NW 8 - 117433; RAF/540/156 4 F21 0136-0137 18-MAR-1955;
SM2	170 /172	1003586	Crickley Hill Camp Hillfort	Prehistoric / Roman	Hillfort	High	1st Edition OS, Badgeworth and Sherdington Magna Parish Tithe map, Coberley Tithe Map	Badgeworth, Coberley	No data available	<i>Camp, Old Quarries</i>	No	Yes	RCH01/120; BB78/07893 A; BB78/07918J ; 1962; 1977; AIN52-58 08-APR-1964; 1951-63; 1982;
SM3	166	1017079	Three bowl barrows, known as Emma's Grove round barrows	Prehistoric	Barrow	High	1st Edition OS, Coberley Tithe Map	Coberley	No data available	<i>Emma's Grove, Tumuli</i>	Yes	No	1972-4, 1982

Listed Buildings Database

Our Ref	HER ref	HE ref	Grade	Description	Period	Type	Significance	Historic Maps	Parish	Notes on Historic maps	Study Area	300m Buffer
LB1	35936	134978	II	Grade II Listed Chandler's Farmhouse	Post-Medieval	Listed Building	High	19884 1st Editon OS, Badgeworth and Shurdington Magna Tithe Map	Badgeworth	<i>Chandler's Farm</i>	No	Yes
LB2		1091759	II	Grade II Listed The Cot.	Post-Medieval	Listed Building	High	1884 1st Editon OS, Badgeworth and Shurdington Magna Tithe Map	Badgeworth	<i>Baptist Chapel</i>	No	Yes
LB3	35939	1091761	II	Grade II Listed Witcombe Court	Post-Medieval	Listed Building	High	1884 1st Editon OS, Badgeworth and Shurdington Magna Tithe Map	Badgeworth	<i>Witcomb Court</i>	No	Yes
LB4	35938	134982	II	Grade II Listed The Retreat	Post-Medieval	Listed Building	High	1884 1st Editon OS, Badgeworth and Shurdington Magna Tithe Map	Badgeworth	No	No	Yes
LB5	8304	1091796	II	Grade II Listed Church of St Peter	Post-Medieval	Listed Building	High	1884 1st Editon OS, Badgeworth and Shurdington Magna Tithe Map	Badgeworth	<i>St Peter's Church</i>	No	Yes

Listed Buildings Database

LB6	11121	1091787	II	Grade II Listed Crickley Hill Farm	Post- Medieval	Listed Building	High	1884 1st Editon OS, Badgeworth and Shurdington Magna Tithe Map	Badgeworth	<i>Crickley Farm</i>	Yes	No
LB7	35900	1304644	II	Grade II Listed Greywalls	Post- Medieval	Listed Building	High	1884 1st Editon OS, Brimpsfield Tithe	Brimpsfield	No	No	Yes
LB8	35903	1304608	II	Grade II Listed Cotswold Cottage	Post- Medieval	Listed Building	High	1884 1st Editon OS, Brimpsfield Tithe	Brimpsfield	No	No	Yes
LB9		1393852	II	Grade II Listed Beverley Cottage	Post- Medieval	Listed Building	High	1884 1st Editon OS, Brimpsfield Tithe	Brimpsfield	<i>Smithy</i>	No	Yes
LB10	35904	1340135	II	Grade II Listed Pool House	Post- Medieval	Listed Building	High	1884 1st Editon OS, Brimpsfield Tithe	Brimpsfield	No	No	Yes
LB11	35899	1340134	II	Grade II Listed Birdlip House	Post- Medieval	Listed Building	High	1884 1st Editon OS, Brimpsfield Tithe	Brimpsfield	<i>Birdlip House</i>	No	Yes
LB12		1091775	II	Grade II Listed Shab Hill Barn	Post- Medieval	Listed Building	High	1884 1st Editon OS, Cowley Tithe	Cowley	<i>Shab Hill Barn</i>	No	Yes
LB13	35916	1091773	II	Grade II Listed Caretaker's Residence at the entrance to Ullenwood Manor.	Post- Medieval	Listed Building	High	1884 1st Editon OS, Coberley Tithe	Coberley	No	No	Yes
LB14	35898	1152736	II	Grade II Listed status milestone of	Post- Medieval	Listed Building	High	1884 1st Editon OS,	Cowley	<i>M.S</i>	Yes	No

Listed Buildings Database

				19th century date				Cowley Tithe				
LB15	44115	1341766	II	Grade II Listed Golden Heart Inn	Post-Medieval	Listed Building	High	1884 1st Editon OS, Cowley Tithe	Cowley	<i>Golden Heart (P.H.)</i>	Yes	No
LB16	35895	1340133	II	Grade II Listed Harding's Barn	Post-Medieval	Listed Building	High	1884 1st Editon OS, Cowley Tithe	Cowley	<i>Harding's Barn</i>	No	Yes

Archaeology Database

Our Reference	HER reference	NMR / HE reference	PAS	Description	Period	Type	Significance	Lidar	Aerial photograph
1	3820			Medieval route known as The Portway, located in various parishes	Multiperiod	Road	Low	No data available	NMR18644/08 6/1/00 NGR Index No. SP1714/28
2		1587136		Contiguous blocks of medieval and/or post-medieval ridge and furrow	Medieval	Earthworks	Low	Visible	SO 8914 15-APR-2014; RAF/CPE/UK/1897 RS 4457 12-DEC-1946; SO 8715/8815/8915/8816/891 6/8817/8917/8918 08-04- 2010; RAF/106G/UK/1354 5414-5415 02-APR-1946; RAF/106G/UK/1558 RP 3019-3021 07-JUN-1946; US/7PH/GP/LOC234 5041 15-MAR-1944
3	41580			Turnpike Road connecting Stroud and Cheltenham	Post-Medieval	Road	Low	No data available	
4	42884/ 42885			Multiperiod enclosures and settlements	Multiperiod	Event	Medium	Visible	RAF/106G/UK/1354 V 7415-7416 02-APR-1946
5	49438			Brockworth perry pear orchard, Brockworth	Medieval	Orchard	Low	Visible	
6	48343	1586979		A Second World War barrage balloon	WWII	Military	Low	Visible	
7	41795			Northgate Turnpike Road	Post-Medieval	Road	Low	not visible	
8	9393			Road up Crickley Hill	Medieval	Road	Low	Visible	RAF/CPE/UK/1897 - 4452
9		69241		An undated rectilinear enclosure cropmark	Unknown	Cropmark	Medium/ Low	not visible	
10	4432	918044		An undated rectilinear enclosure cropmark	Modern	Cropmark	Low	No data available	NMR SO 9016/2, 4, 6-8 18-JUL-1983; NMR SO 9016/11-13 01-MAY- 1985; OS/70291 V 792-

Archaeology Database

									793 11-AUG-1970
11	4233			Irregular cropmarks E of Ardencote Piggery	Unknown	Cropmark	Medium/ Low	not visible	RAF/CPE/UK/1897 - 4452
12		11102		Cropmark E of Shurdington Road	Unknown	Cropmark	Medium/ Low	No data available	
13	11094			Cropmarks north west of Court Farm, Badgeworth	Unknown	Cropmark	Medium/ Low	not visible	RAF/CPE/UK/1897 - 4452
14	4430	918041		Rectilinear Enclosure E of Middle Pig Farm	Unknown	Cropmark	Medium/ Low	not visible	SO 9016:5:2071-2073; NMR 15520/06 17-JUL- 1996; 2136/3234 18-JUL- 1983; SO 9016/1/369- 370, SO 9016/3, 5, 9-10, 14-15; SO 9116/1-2, SO 9116/3/273-274, SO 9116/4-5; RAF/CPE/UK/1897 - 4452; SO 9016:4:2067- 2070; SO 9016:3:3233- 3235; SO 9016:2:3229- 3232; SO9016:1:369-70; BIC 64-5; SO9116:2;
15	4431			Enclosures S of Middle Pig Farm	Unknown	Cropmark	Medium/ Low	not visible	
16	6388			Various prehistoric finds	Prehistoric	Findspots	Low	Not visible	RAF/CPE/UK/1897 - 4452
17	6389			Various Medieval Finds	Medieval	Findspots	Low	No data available	RAF/CPE/UK/1897 - 4452
18	11100			Linear bank N of Witcombe Court	Unknown	Earthworks	Medium/ Low	Visible	
19	11101			Bank S of the Bentham Domes	Modern	Earthworks	Low	No data available	RAF/CPE/UK/1897 - 4452
20	30352/ 13167/ 13148/ 13154/ 13149/	1585083		An area of almost contiguous blocks of medieval to post- medieval ridge and furrow	Medieval	Earthworks	Low	Visible	RAF/106G/UK/1347 FV 7332-7333 01-APR-1946; RAF/540/1564 F21 0244- 0248; 0351-0352 18- MAR-1955; RAF/58/632

Archaeology Database

	13150								Vp1 5085-5086 17-APR-1951; Next Perspectives PGA Imagery SO9120, SO9020, SO9021 08-APR-2010; US/7PH/GP/LOC234 5043 15-MAR-1944; RAF/106G/UK/1347 FV 7096 01-APR-1946; Next Perspectives PGA Imagery SO 8920, 8921 08-04-2010; LIDAR SO82SE Environment Agency 15-FEB-2012; RAF/CPE/UK/1897 RS 4451-4452 12-DEC-1946; RAF/106G/UK/1354 V 5417-5418; 7415-7418 02-APR-1946; RAF/106G/UK/1347 FV 7369-7370 01-APR-1946; EARTH.GOOGLE.COM 16-MAR-2007 ACCESSED 06-JUN-2014; US/7PH/GP/LOC234 5042-5043 15-MAR-1944; Next Perspectives PGA Imagery SO 8918/8919 08-04-2010
21	11099			Ridge and Furrow	Medieval	Earthworks	Low	Only partial data available	RAF/CPE/UK/1897 - 4452
22	9389			Toll House on Crickley Hill	Post-Medieval	Building	Low	No data available	RAF/CPE/UK/1897 - 4452
23	48339	1530837		A Gloster aircraft unit, Bentham International	WWII	Military	Medium/ Low	No data available	RAF/106G/UK/1354 5414 02-APR-1946

Archaeology Database

24	13142			Romano-British features and finds	Roman	Findspots	Medium	No data available	RAF/CPE/UK/1897 - 4452
25		1586983		A probable Second World War barrage balloon	WWII	Military	Low	No data available	RAF/106G/UK/1354 V 7416-7417 02-APR-1946
26	48190			A Second World War barrage balloon	WWII	Military	Low	No data available	RAF/106G/UK/1354 V 7416-7417 02-APR-1946
27	13141			Field boundary	Post-Medieval	Earthworks	Low	No data available	RAF/CPE/UK/1897 - 4452
28	13170			Pond (Site of)	Post-Medieval	Earthworks	Low	No data available	RAF/CPE/UK/1897 - 4452
29	11097			Earthworks to the north of Crickleigh Farm	Unknown	Earthworks	Low	No data available	RAF/CPE/UK/1897 - 4452
30		117597		A church mentioned in Birdlip in 1287	Medieval	Building	Low	Not visible	
31		763146		Flints dating from the Mesolithic to the Bronze Age	Prehistoric	Findspot	Low	No data available	
32		763152		Scatters of Roman pottery and tile	Roman	Findspot	Low	Not visible	
33		117578		A Neolithic flint arrowhead and a stone axe	Prehistoric	Findspot	Low	Not visible	
34		117543		A Dobunnic gold stater	Prehistoric	Findspot	Low	Not visible	
35	7643			Crickley-Prehistoric finds	Prehistoric	Findspots	Low	No data available	
36	11098			Earthworks East of Crickleigh Farm	Unknown	Earthworks	Low	No data available	RAF/CPE/UK/1897 - 4452
37	8660			Wall Piece Fieldname	Post-Medieval	Field names	Low	N/A	
38				A sixpence of Elizabeth I dating to 1592	Post-Medieval	Findspot	Low	Not visible	
39	13139			Milestone near Crickleigh Hill Farm entrance	Post-Medieval	Milestone	Low	No data available	RAF/CPE/UK/1897 - 4452

Archaeology Database

40	3804	117436		Arrowhead finds	Prehistoric	Findspots	Low	Not visible	RAF/CPE/UK/1897 - 4452
41	6392			Find spot of coarse pot with clay suspension hook	Prehistoric	Findspots	Low	Visible	
42	34805			Potential course of old road down Birdlp Hill	Post-Medieval	Road	Low	Visible	
43	14781			A linear boundary	Unknown	Earthworks	Low	No data available	
44	8496			Woodpits Common inclosure	Post-Medieval	Field names	Low	N/A	
45	4754/ 46541/ 46540	117437		Peak Camp Neolithic promontory fort, Peak Plantation, Birdlip.	Prehistoric	Earthworks	Medium	Visible	BEZ84-85, 12/04/1971; BEZ62-63, 12/04/1971
46	21431			Cave/garden grotto to the rear of The Royal George Hotel, Birdlip	Post-Medieval	Earthworks	Low	Not visible	
47	3738			Roman building and coin hoard, George Hotel Birdlip.	Roman	Building	Medium	Not visible	
48	21432			Post medieval quarry track at Lawn Freestone quarry, Cowley	Post-Medieval	Earthworks	Low	Visible	
49	8523			Old Croft Fieldname	Post-Medieval	Field names	Low	Only partial data available	
50	14791			The site of a possible quarry	Unknown	Earthworks	Low	No data available	
51	41838			Route of the 1785 Cheltenham Turnpike	Post-Medieval	Road	Low	Visible	
52			GLO-DE21E 1	Gold finger ring with a D-shape cross-section hoop	Post-Medieval	Findspot	Low	Not visible	

Archaeology Database

53	7637			A bank of obscure date	Unknown	Earthworks	Low	Visible	
54	7668			Small collection of multiperiod finds	Multiperiod	Findspots	Low	Not visible	
55	14795			A road and track leading to Cold Slad	Post-Medieval	Road	Low	No data available	
56			GLO-FFA284	A sixpence of Elizabeth I dating to 1566	Post-Medieval	Findspot	Low	Not visible	
57	5955			Roman Coin Finds from Ermine Street	Roman	Findspots	Low	Not visible	
58		1398630		The earthwork remains of a Post Medieval trackway	Post-Medieval	Earthworks	Low	No data available	RAF CPE/UK/1897 4448, 4449 12-DEC-1946
59		1499094		Former Strict Baptist chapel at Birdlip	Post-Medieval	Building	Low	No data available	
60	3808	117477		A possible Roman building and pottery	Roman	Building	Medium/ Low	No data available	
61	5978			The earthwork remains of a Post Medieval trackway	Post-Medieval	Earthworks	Low	Visible	
62	3809	114776		A large quantity of Roman pottery	Roman	Findspots	Low	No data available	
63	14776			Intensive quarrying	Post-Medieval	Earthworks	Low	No data available	
64	14776			Intensive quarrying from at least the 18th century	Post-Medieval	Earthworks	Low	No data available	
65		1397891		The earthwork remains of Medieval or Post Medieval ridge and furrow	Medieval	Earthworks	Low	No data available	RAF CPE/UK/1913 3072, 3073 30-DEC-1946
66	14789			Large areas of quarrying	Post-Medieval	Earthworks	Low	No data available	
67	14711			A medieval or early modern low linear earthwork	Medieval	Earthworks	Low	No data available	
68	14788			A boundary	Post-	Earthworks	Low	Not visible	

Archaeology Database

				demarcating the parishes of Badgeworth and Coberley	Medieval				
69		763140		Finds polished flint axe-fragments and arrowheads.	Prehistoric	Findspot	Low	No data available	
70	9468			Mound excavated and Building Foundations	Modern	Earthworks	Low	No data available	
71	3806	117443		The possible site of Bronze Age round barrow	Prehistoric	Earthworks	Medium/ Low	No data available	RAF/CPE/UK/2098 RS 4226-4227 28-MAY-1947
72	3807	117440		Iron Age Cemetery, Burrow Wake	Prehistoric	Earthworks	Medium	No data available	
73	14712			A post-medieval quarry	Post-Medieval	Earthworks	Low	No data available	
74	14722			A bridlepath of unknown date	Post-Medieval	Earthworks	Low	No data available	
75	7201			Linear features and a non-archaeological mound	Multiperiod	Earthworks	Medium/ Low	No data available	
76	14717			A post-medieval trackway	Post-Medieval	Earthworks	Low	No data available	
77	14724			A post-medieval limekiln	Post-Medieval	Earthworks	Low	No data available	
78	14723			An area of post-medieval quarrying	Post-Medieval	Earthworks	Low	No data available	
79	14713			A post-medieval oval quarry	Post-Medieval	Earthworks	Low	No data available	
80		1397889		The earthwork remains of Medieval or Post Medieval ridge and furrow	Medieval	Earthworks	Low	Visible	RAF CPE/UK/1897 3428, 3429 12-DEC-1946
81	7185			Cropmarks and excavation of a Middle Iron Age farmstead	Multiperiod	Earthworks	Medium/ Low	Not visible	NMR SO 9314/5 (2168/1071) 19-JUL-1984

Archaeology Database

82			GLO-FE2CD 1	Iron Age Coin	Prehistoric	Findspot	Low	Not visible	
83	15605			A worked flint flake	Prehistoric	Findspots	Low	Not visible	
84	14718			A post-medieval hollow way earthwork	Post-Medieval	Earthworks	Low	No data available	
85	3739	158286		Romano-British Occupation Site	Multiperiod	Earthworks	Medium/ Low	Not visible	
86		117580		A Roman occupation site	Roman	Building	Medium/ Low	No data available	
87	14721			A post-medieval trackway	Post-Medieval	Earthworks	Low	No data available	
88	15608			A small quarry hollow of uncertain date	Post-Medieval	Earthworks	Low	No data available	
89	14727			An area of quarrying of uncertain date	Unknown	Earthworks	Low	No data available	
90		763157		Trial excavation of a cropmark site in 1985	Prehistoric	Cropmark	Low	No data available	NMR SO 9314/5 (2168/1071) 19-JUL-1984
91	35071			Bank with internal ditch enclosing a sub-rectangular area	Multiperiod	Earthworks	Medium/ Low	No data available	RAF/58/2958 F21 079-081 19-JUN-1959 RAF/58/2958 F22 215-217 19-JUN-1959; 106GUK1558 3026-8 CPEUK2098 4223-6 RAF/106G/UK/1558 RP 3026-3028 07-JUN-1946 RAF/106G/UK/1354 FV 7419-7420 02-APR-1946; RAF/CPE/UK2098 RS 4226 28-MAY-1947
92	14728			A quarry scoop	Unknown	Earthworks	Low	No data available	
93		117587		A scatter of 2nd to 3rd century pottery	Roman	Findspot	Low	No data available	
94	14729			A quarry scoop	Unknown	Earthworks	Low	No data available	

Archaeology Database

95		1397964		The earthwork remains of possible Post Medieval former field boundaries	Medieval	Earthworks	Low	No data available	RAF CPE/UK/2098 4226, 4227 28-MAY-1947
96	14715			Two enclosures located on the southern edge of the Scrubbs	Unknown	Earthworks	Low	No data available	
97	35070			A series of regular linears that may form a field system	Unknown	Cropmark	Low	No data available	
98	3805	117417		The site of a spoil heap	Modern	Earthworks	Low	No data available	
99		98254 /763135		Two Mesolithic microliths	Prehistoric	Findspots	Low	No data available	
100	3814	117462		A bank with internal ditch enclosing a sub-rectangular area	Multiperiod	Earthworks	Medium	No data available	RAF/58/2958 F21 079-081 19-JUN-1959; RAF/58/2958 F22 215-217 19-JUN-1959; RAF/CPE/UK2098 RS 4226 28-MAY-1947; RAF/106G/UK/1558 RP 3026-3028 07-JUN-1946; OS/70291 V 382-3383 11-AUG-1970; RAF/106G/UK/1354 FV 7419-7420 02-APR-1946
101	3813			A bank with internal ditch enclosing a sub-rectangular	Multiperiod	Earthworks	Medium	No data available	106GUK1558 3026-8 CPEUK2098 4223-6; 70-291 382-3; RAF/58/2958 F21 079-081 19-JUN-1959 RAF/58/2958 F22 215-217 19-JUN-1959; RAF/CPE/UK2098 RS 4226 28-MAY-1947; 106GUK1558 3026-8 CPEUK2098 4223-6 RAF/106G/UK/1558 RP

Archaeology Database

									3026-3028 07-JUN-1946 RAF/106G/UK/1354 FV 7419-7420 02-APR-1946
102	14720			An earthwork boundary of unknown date	Unknown	Earthworks	Low	No data available	
103	14731			A boundary enclosing woodland	Unknown	Earthworks	Low	No data available	
104	4323			Cropmarks W of Stockwell	Post-Medieval	Cropmark	Low	No data available	142 131-3 Surveyors Department 1978:5
105	13043	763109		A Mesolithic microlith was found at Shrub Hill.	Prehistoric	Findspots	Low	Not visible	
106	14733			A cricket ground dating to the late 1950s or early 1960s	Modern	Earthworks	Low	No data available	
107	12807			Linear cropmarks	Roman	Cropmark	Medium/ Low	No data available	
108	20713/35074	1587039		Sunken trackways, paths, woodbanks, quarrying and boundaries.	Post-Medieval	Earthworks	Low	No data available	OS/89083 V 013-014 21-APR-1989
109	14843			Roughly parallel linear cropmarks	Unknown	Cropmark	Low	Not visible	
110	33820			Lynchet and trackway	Medieval	Earthworks	Low	No data available	
111	13831			Ridge and furrow	Medieval	Earthworks	Low	No data available	
112	11201			A penannular cropmark	Multiperiod	Cropmark	Low	No data available	Cowley parish P102 SD2:1; 89:67:129, verticals
113	3803	117494		A Neolithic ground flint axe fragment	Prehistoric	Findspots	Low	No data available	
114	3811	117488		Cropmarks of small possibly Romano British enclosures	Roman	Cropmark	Low	No data available	APs 58:RAF:8621
115	5758	117575		Stockwell Deserted Medieval Village	Medieval	Earthworks	Medium	No data available	RAF CPE/UK/1897 3427, 3438 12-DEC-1946; RAF

Archaeology Database

									CPE/UK/2098 3224-5 28-MAY-1947
116	35060			Elongated mound (possible Barrow)	Prehistoric	Earthworks	Low	No data available	
117	35072			A ditch	Unknown	Earthworks	Low	No data available	
118		1399081		The earthworks of two oolitic limestone quarries	Unknown	Earthworks	Low	No data available	RAF CPE/UK/1897 4446, 4448 12-DEC-1946
119	27002			The earthwork remains of a Medieval or Post Medieval hollow way	Medieval	Earthworks	Low	No data available	RAF CPE/UK/2098 3224, 3225 28-MAY-1947; RAF CPE/UK/1897 4445, 4446, 4448 12-DEC-1946;
120	35058			Linear earthwork bank	Unknown	Earthworks	Low	No data available	
121	3810	117487		A scatter of Romano British pottery	Roman	Findspots	Medium/ Low	No data available	
122		1398129		The earthwork remains of Medieval or Post Medieval ridge and furrow, hollow ways and trackways	Medieval	Earthworks	Low	No data available	RAF CPE/UK/1897 4445, 4446, 4448 12-DEC-1946; RAF CPE/UK/2098 3224, 3225 28-MAY-1947
123	6710			Cultivation Terraces and site of pond	Medieval	Earthworks	Low	No data available	RAF CPE/UK/1897 3426, 3427 12-DEC-1946
124	17036	1586997		A Second World War radio station	WWII	Military	Low	No data available	RAF/CPE/U/1897 RS 4446-4447 12-DEC-1946; RAF/543/673 F41 0001-0003 24-AUG-1959; RAF/543/1913 F22 0036-0038 17-OCT-1962; OS/70291 V 380-381; 357-358 11-AUG-1970; OS/89088 V 014-015 21-APR-1989
125	14858			Ridge and furrow	Post-Medieval	Earthworks	Low	No data available	
126	6705			Cutting edge of	Prehistoric	Findspots	Low	No data	

Archaeology Database

				polished stone axe				available	
127	4691			Stockwell DMV	Medieval	Earthworks	Medium/ Low	No data available	
128		1399014		The cropmark of an oolitic limestone quarry	Unknown	Earthworks	Low	No data available	NMR SO/9414/2 197/98 08-JUN-1970
129	7617			Ullenwood Manor	Post-Medieval	Building	Low	No data available	
130		1587071		A block of medieval and/or post medieval ridge and furrow	Medieval	Ridge and Furrow	Low	No data available	RAF/CPE/UK/2098 RS 4224-4225 28-MAY-1947; Next Perspectives PGA Imagery SO9416 08-APR-2010
131	9760			The earthwork remains of Medieval or Post Medieval lynchets	Medieval	Earthworks	Low	No data available	RAF CPE/UK/1913 3076-7 30-DEC-1946
132		1399006		The cropmarks of Late Prehistoric or Roman trackways	Prehistoric	Earthworks	Low	No data available	NMR SO/9414/2 197/98 08-JUN-1970
133		1398122		The earthwork remains of Medieval or Post Medieval lynchets and ridge and furrow	Medieval	Earthworks	Low	No data available	RAF CPE/UK/1897 3426, 3427 12-DEC-1946
134	27005			The faint earthwork remains of two quarries	Unknown	Earthworks	Low	No data available	RAF CPE/UK/1897 4445, 4446 12-DEC-1946
135		1398306		The faint earthwork remains of two oolitic limestone quarries	Unknown	Earthworks	Low	No data available	RAF CPE/UK/1897 4445, 4446 12-DEC-1946
136	27019			The earthwork remains of Medieval or Post Medieval lynchets	Medieval	Earthworks	Low	No data available	RAF CPE/UK/1913 3075, 3076 30-DEC-1946
137	35056			An area of earthworks	Unknown	Earthworks	Low	No data available	

Archaeology Database

138	3747			Briery Hill Long Barrow	Unknown	Earthworks	Low	No data available	
139	41836			Turnpike road connecting Birdlip and Cirencester.	Post-Medieval	Road	Low	No data available	
140	48688			Route of the 1751 Crickley Hill to Campsfield turnpike.	Post-Medieval	Road	Low	No data available	
141	3757			Gospel Well	Post-Medieval	Building	Low	No data available	
142		1398887		The earthwork remains of Medieval or Post Medieval lynchets	Medieval	Earthworks	Low	No data available	RAF CPE/UK/1913 3076, 3077 30-DEC-1946
143	3753	157544		Old embankment of DAM	Medieval	Earthworks	Low	No data available	
144		1398884		The earthwork remains of Medieval or Post Medieval lynchets	Medieval	Earthworks	Low	No data available	RAF CPE/UK/1913 3075, 3076 30-DEC-1946
145	22374			Part of a Medieval deer park boundary, east of Brimpsfield.	Medieval	Earthworks	Low	No data available	
146			PUBLI C-BFC8C 7	Antoninianus of Aemilian	Roman	Findspot	Low	No data available	
147			GLO-6374A 7	Samian Ware fragment	Roman	Findspot	Low	No data available	
148		117594		A barbed and tanged arrowhead	Prehistoric	Findspot	Low	No data available	
149			GLO-C0218 3	Copper alloy nummus of Constantine I	Roman	Findspot	Low	No data available	
150	35057			Multiple trackways, Cowley	Unknown	Earthworks	Low	No data available	
151			GLO-	Coper alloy nummus	Roman	Findspot	Low	No data	

Archaeology Database

			9FCFC E	of the House of Constantine				available	
152	9480			Field name "Castle Hill"	Post- Medieval	Field names	Low	No data available	
153	27004			The earthworks of a quarry	Unknown	Earthworks	Low	No data available	RAF CPE/UK/2098 3223, 3224 28-MAY-1947
154		1398305		The earthworks of an oolitic limestone quarry	Unknown	Earthworks	Low	No data available	RAF CPE/UK/2098 3223, 3224 28-MAY-1947
155			GLO- 0E37F A	Flint scraper	Prehistoric	Findspot	Low	No data available	
156	4396 /7542	1131812		Ermin Way - Roman road running from Cirencester to Gloucester	Roman	Road	High	Visible	541/17 Frame No. 4096 14/05/1948; RAF/CPE/UK/1897 – 4452; OS/73453 Frame No. 132 14/9/1973; 106G/UK/1395 Frame No. 4446 10/4/1946; MAL/67089 Frame No. 187 12/11/1967; 3G/TUD/UK102 Frame No. 5033 30/03/1946
157			GLO- 0E46F 2	Copper alloy nummus of Constans	Roman	Findspot	Low	No data available	
158			GLO- 0E8DA 1	Copper alloy nummus of Theodora	Roman	Findspot	Low	No data available	
159			GLO- C43C8 7	Silver denarius of Septimius Severus	Roman	Findspot	Low	No data available	
160			GLO- 61CF9 7	Six fragments of debitage	Prehistoric	Findspot	Low	No data available	
161			GLO- 9FB8A C	A copper alloy radiate	Roman	Findspot	Low	No data available	

Archaeology Database

162			GLO-9E9FD2	Copper alloy radiate	Roman	Findspot	Low	No data available	
163			GLO-9E994B	Copper alloy radiate	Roman	Findspot	Low	No data available	
164			GLO-9E8765	Copper alloy radiate	Roman	Findspot	Low	No data available	
165			GLO-9E7F32	Copper alloy fragment of a radiate	Roman	Findspot	Low	No data available	
166			GLO-9E4B4A	Copper alloy radiate	Roman	Findspot	Low	No data available	
167			GLO-9E45F4	Copper alloy radiate	Roman	Findspot	Low	No data available	
168			GLO-9E3CF5	Copper alloy radiate	Roman	Findspot	Low	No data available	
169			GLO-9E352A	A copper alloy heavily corroded nummus	Roman	Findspot	Low	No data available	
170			GLO-9E2A31	A copper alloy heavily corroded nummus	Roman	Findspot	Low	No data available	
171			GLO-9E21EF	A copper alloy radiate	Roman	Findspot	Low	No data available	
172			GLO-9E124E	A copper alloy radiate	Roman	Findspot	Low	No data available	
173			GLO-9E0A70	A copper-alloy radiate of Tetricus I	Roman	Findspot	Low	No data available	
174			GLO-9DFBD	An incomplete example of a silver	Roman	Findspot	Low	No data available	

Archaeology Database

			C	Denarius of Septimius Severus					
175	14846			Rectilinear cropmark	Unknown	Cropmark	Low	No data available	
176			GLO-C3BDA C	Copper alloy bar mount	Medieval	Findspot	Low	No data available	
177			GLO-5F3EC 3	Coper alloy nummus of the House of Constantine	Roman	Findspot	Low	No data available	
178			GLO-C6CEE D	Copper alloy radiate	Roman	Findspot	Low	No data available	
179			GLO-C6718 6	Copper alloy nummus of the House of Constantine	Roman	Findspot	Low	No data available	
180			GLO-C6B8E 1	Copper alloy radiate	Roman	Findspot	Low	No data available	
181			GLO-C63D1 6	A copper alloy barbarous radiate	Roman	Findspot	Low	No data available	
182			GLO-C692B B	Copper alloy radiate	Roman	Findspot	Low	No data available	
183			GLO-C6329 2	A copper alloy barbarous radiate	Roman	Findspot	Low	No data available	
184			GLO-C6B1A B	Copper alloy nummus of the House of Valentinian	Roman	Findspot	Low	No data available	
185			GLO-C6358 4	A copper alloy barbarous radiate	Roman	Findspot	Low	No data available	
186			GLO-C6C6B 5	Copper alloy radiate	Roman	Findspot	Low	No data available	

Archaeology Database

187			GLO-C6623 B	Copper alloy nummus of the House of Constantine	Roman	Findspot	Low	No data available	
188			GLO-C6CB4 F	Copper alloy radiate	Roman	Findspot	Low	No data available	
189			GLO-C665A 6	Copper alloy nummus of the House of Constantine	Roman	Findspot	Low	No data available	
190			GLO-C44EC 0	Copper alloy nummus of Constans	Roman	Findspot	Low	No data available	
191			GLO-0EC24 A	Copper alloy nummus of Licinius I	Roman	Findspot	Low	No data available	
192			GLO-C62A9 A	Cast copper alloy folding knife handle	Roman	Findspot	Low	No data available	
193			GLO-0BD44 5	Copper alloy nummus of Constantine II	Roman	Findspot	Low	No data available	
194			GLO-09224 C	Copper alloy heavily corroded nummus	Roman	Findspot	Low	No data available	
195			GLO-0B0BA 1	Copper alloy radiate of Gallienus	Roman	Findspot	Low	No data available	
196			GLO-09474 A	Copper alloy radiate	Roman	Findspot	Low	No data available	
197			GLO-C5EF0 8	Copper alloy radiate	Roman	Findspot	Low	No data available	
198			GLO-C6BC7 7	Copper alloy radiate	Roman	Findspot	Low	No data available	

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199			GLO-C648C 1	A copper-alloy city commemorative nummus of the House of Constantine	Roman	Findspot	Low	No data available	
200			GLO-60D54 A	Copper alloy sheet tweezers	Roman	Findspot	Low	No data available	
201			GLO-C6BFF 3	Copper alloy radiate	Roman	Findspot	Low	No data available	
202			GLO-C655B 8	Copper alloy nummus of the House of Constantine	Roman	Findspot	Low	No data available	
203			GLO-0E669 4	Roman copper alloy trumpet brooch	Roman	Findspot	Low	No data available	
204			GLO-C01E9 3	Roman copper alloy trumpet brooch	Roman	Findspot	Low	No data available	
205			GLO-C6C2F A	Copper alloy radiate	Roman	Findspot	Low	No data available	
206			GLO-C65BA 5	Copper alloy nummus of the House of Constantine	Roman	Findspot	Low	No data available	
207			GLO-0BC04 E	Copper alloy nummus of the House of Constantine	Roman	Findspot	Low	No data available	
208			GLO-091B1 5	Copper alloy heavily corroded nummus	Roman	Findspot	Low	No data available	
209			GLO-C67BF 9	Copper alloy radiate	Roman	Findspot	Low	No data available	

Archaeology Database

210			GLO-0AF887	Copper alloy Barbarous radiate copying a coin of Tetricus I	Roman	Findspot	Low	No data available	
211			GLO-093B1C	Copper alloy heavily corroded nummus	Roman	Findspot	Low	No data available	
212			GLO-0E247D	A copper-alloy city commemorative nummus of the House of Constantine	Roman	Findspot	Low	No data available	
213			GLO-0B3342	Copper alloy nummus of Constantine I	Roman	Findspot	Low	No data available	
214			GLO-095D0D	Copper alloy radiate	Roman	Findspot	Low	No data available	
215			GLO-0EAB82	A contemporary copy of a copper-alloy nummus of the House of Constantine	Roman	Findspot	Low	No data available	
216			GLO-0B62CB	Copper alloy nummus of the House of Constantine	Roman	Findspot	Low	No data available	
217			GLO-0A8A4C	Radiate of Postumus	Roman	Findspot	Low	No data available	
218			GLO-5EB8C1	Copper alloy nummus of Constantius II	Roman	Findspot	Low	No data available	
219			GLO-0B4A0E	Copper alloy nummus of Constantius II	Roman	Findspot	Low	No data available	
220			GLO-60D54	Copper alloy nummus of	Roman	Findspot	Low	No data available	

Archaeology Database

			A	Magnentius					
221			GLO-09BD60	Copper alloy radiate	Roman	Findspot	Low	No data available	
222			GLO-0B70B5	Copper alloy nummus of the House of Constantine	Roman	Findspot	Low	No data available	
223			GLO-0A9BA1	Copper alloy barbarous radiate	Roman	Findspot	Low	No data available	
224			GLO-092D69	Copper alloy heavily corroded nummus	Roman	Findspot	Low	No data available	
225			GLO-C40ACE	Copper alloy nummus of Helena	Roman	Findspot	Low	No data available	
226			GLO-0B1DDC	Copper alloy nummus of the House of Constantine	Roman	Findspot	Low	No data available	
227			GLO-0952E6	Copper alloy radiate	Roman	Findspot	Low	No data available	
228			GLO-090F19	Copper alloy barrel padlock bolt	Medieval	Findspot	Low	No data available	
229			GLO-624FA7	Copper alloy nummus of Constans	Roman	Findspot	Low	No data available	
230			GLO-0DFFD D	Copper alloy Quinarius of Allectus	Roman	Findspot	Low	No data available	
231			GLO-C3F738	A copper alloy and enamel zoomorphic plate brooch in the form of a duck	Roman	Findspot	Low	No data available	

Archaeology Database

232			GLO-61A897	Barbarous copy of a copper alloy nummus of the House of Constantine	Roman	Findspot	Low	No data available	
233			CCI-991042	Silver Scottish cut halfpenny of Alexander III, Date 1250-1280	Medieval	Findspot	Low	No data available	
234	13823 / 13824	1587023		Prehistoric Round barrow is visible as an earthwork	Prehistoric	Earthworks	Low	No data available	RAF/CPE/UK/1897 RS 4446-4447 12-DEC-1946
235			GLO-D06CB2	Forged iron arrowhead	Medieval	Findspot	Low	No data available	
236	48488		GLO-BF0875	Sheet gold strip	Prehistoric	Findspot	Low	No data available	
237		1519233		The site of Second World War searchlight battery	WWII	Earthworks	Low	No data available	
238		1519233		The possible site of Second World War	WWII	Cropmark	Low	No data available	
239	8532			Townsend Ground Fieldnames	Post-Medieval	Earthworks	Low	No data available	CPE/UK/1897 12 DEC 46
240			GLO-F8F3B7	A Polden Hill brooch of Colchester	Roman	Findspot	Low	No data available	
241	26985			A Second World War Heavy Anti-Aircraft Battery and camp	WWII	Building	Low	No data available	RAF CPE/UK/1897 3425, 3426 12-DEC-1946
242	27044	1397877		A Second World War Heavy Anti-Aircraft Battery	WWII	Building	Low	No data available	NMR RAF/CPE/UK/1897 3425-3426 12-DEC-1946
243			PUBLI C-6964E1	Copper alloy Harness Boss	Post-Medieval	Findspot	Low	No data available	
244			PUBLI	Penny of John	Medieval	Findspot	Low	No data	

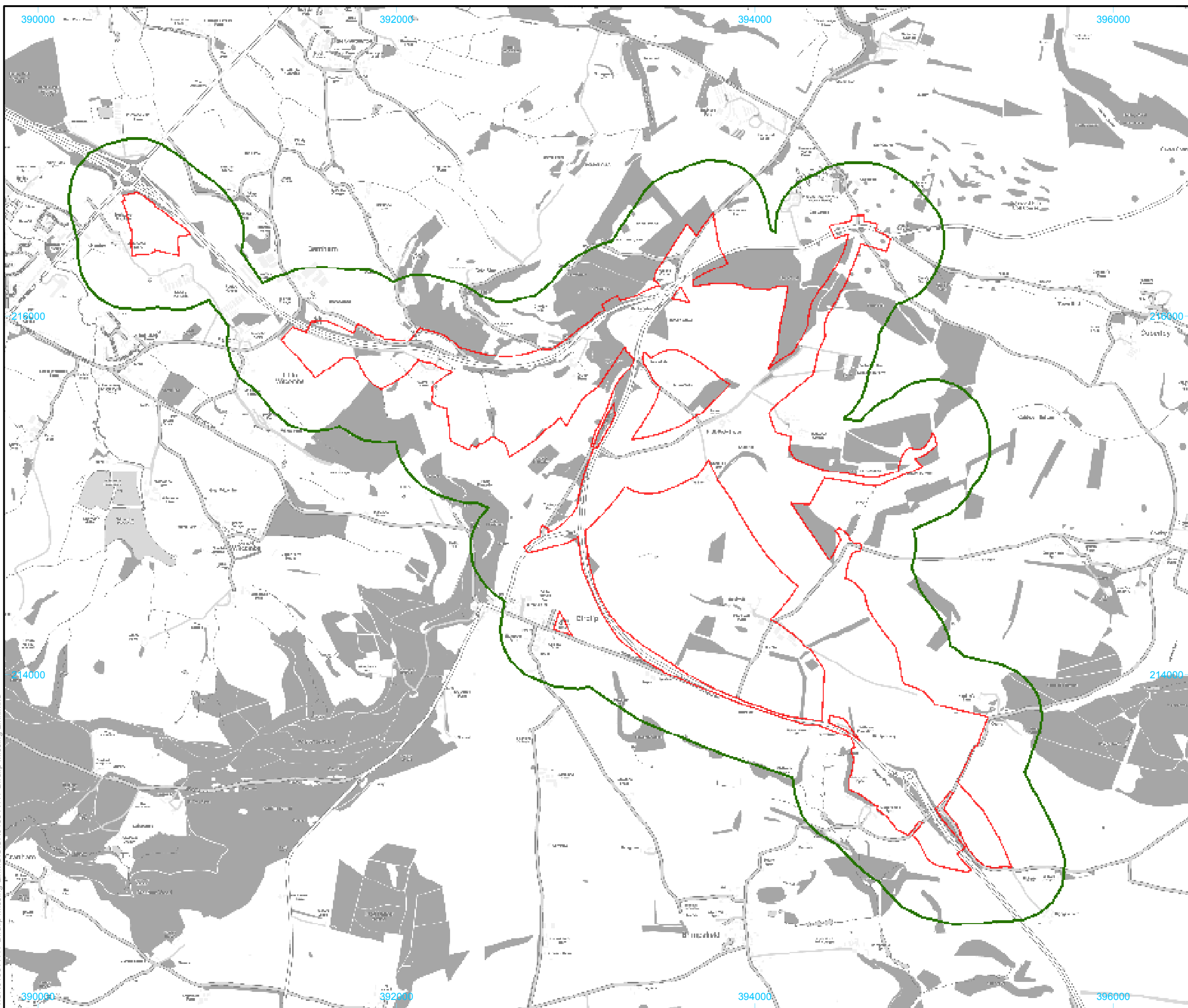
Archaeology Database

			C-E5BB3 3	(1199-1216) between AD 1205 and 1207				available	
245	11231/ 9499/ 9498	40178/ 918272		A post medieval field boundary is visible as an earthwork and cropmark	Post-Medieval	Earthworks	Low	No data available	NMR SO 9512/2/232-5 01-JUL-1975; NMR SO 9513/10/227-8 01-JUL-1975; NMR SO 9513/11/229-30 01- JUL-1975; NMR RAF/106G/UK/1558 3251-3252 07-JUN-1946; NMR SO9512/2 NMR 824/235 01-JUL-1975;
246		1383034		Ridge and Furrow, Circular enclosure and trackways	Medieval	Ridge and Furrow	Low	No data available	
247	35041			A linear bank	Unknown	Earthworks	Low	No data available	
248	4321			Cropmarks south-west of Harding's Barn, Cowley	Prehistoric	Cropmark	Low	No data available	Flight 3:4,8,31 Flight 2:44,54
249	6703			Contour lynchets on hillside	Medieval	Earthworks	Low	No data available	CPE/UK/1897 12 DEC 46
250	37200			A medieval to post medieval field boundary, visible as an earthwork	Medieval	Earthworks	Low	No data available	NMR RAF/CPE/UK/1913 3077-3078 30-DEC-1946
251	12752			Circular enclosure of unknown date	Unknown	Cropmark	Low	No data available	
252	9869			Milestone at Highgate	Post-Medieval	Building	Low	No data available	
253	4698	918271		An Iron Age enclosure, linear features and pits	Prehistoric	Cropmark	Medium	No data available	NMR SO 9513/10 NMR 824/227 01-JUL-1975; NMR SO 9513/3-4 21-JUL-1971; NMR SO 9513/10/227-8 01-JUL-1975; NMR SO 9513/11/229-30 01-JUL-

Archaeology Database

									1975
254	33663			Findspot of Flint Flakes, Elkstone	Prehistoric	Findspots	Low	No data available	
255	4322	918267		A possible ring ditch visible as a cropmark	Prehistoric	Cropmark	Medium/ Low	No data available	NMR SO 9512/3-4 NMR 4461/35-36 04-JUL-1989; NMR SO9512/2 NMR 824/234 01-JUL-1975
256	4324	1035203		Jurassic Way - section of prehistoric route linking Yorkshire and Somerset	Prehistoric	Earthworks	Medium	No data available	26321_019-022 02-JUN-2009

APPENDIX 2 FIGURES



Legend

- Study Area
- 300m Buffer

0 950m

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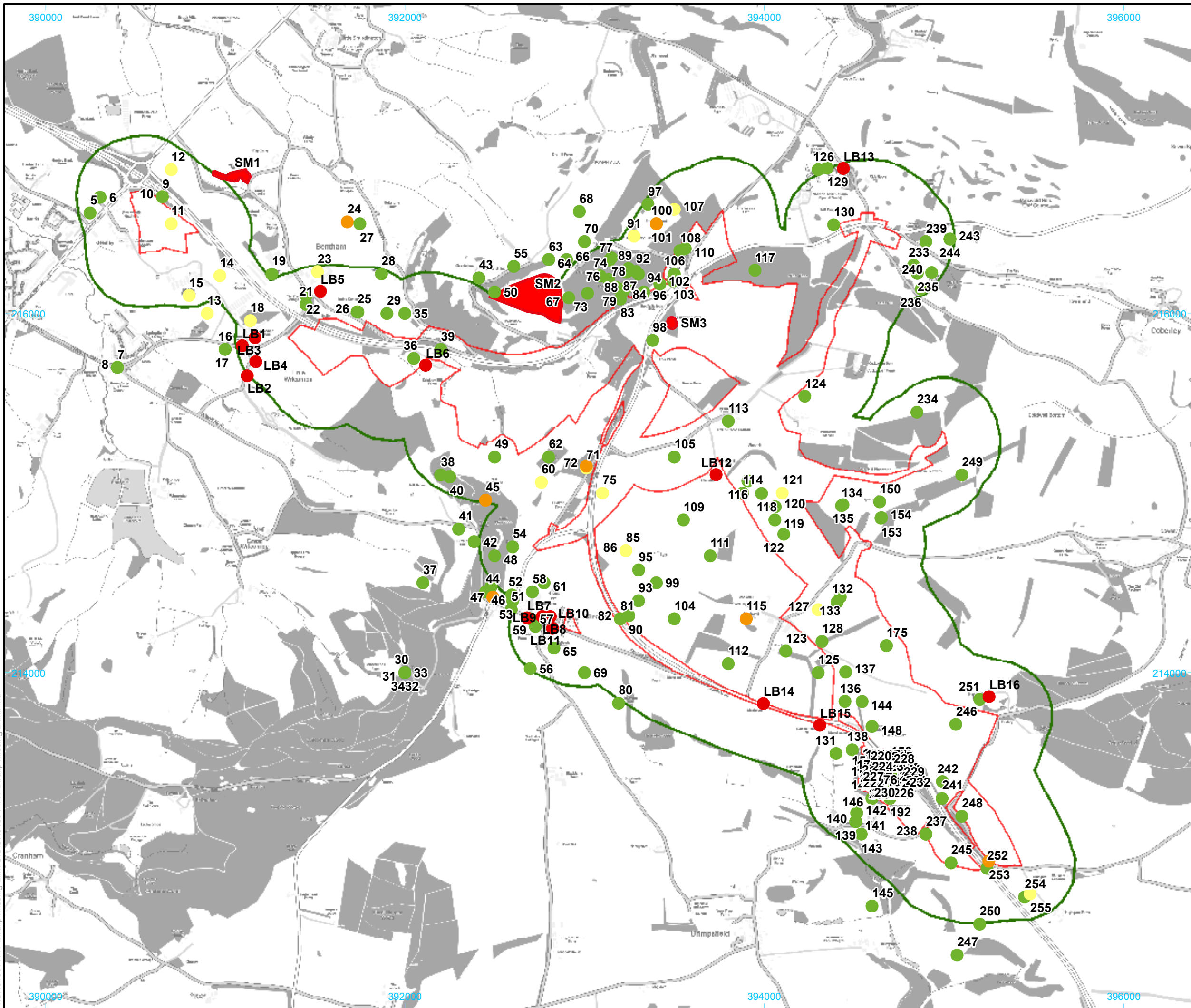

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FIGURE TITLE
Study Area and 300m Buffer

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APPROVED BY	RM	SCALE @ A4	1:20,000	1

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Legend

- Study Area
- 300m Buffer Area

Significance

- High
- Medium
- Medium/ Low
- Low



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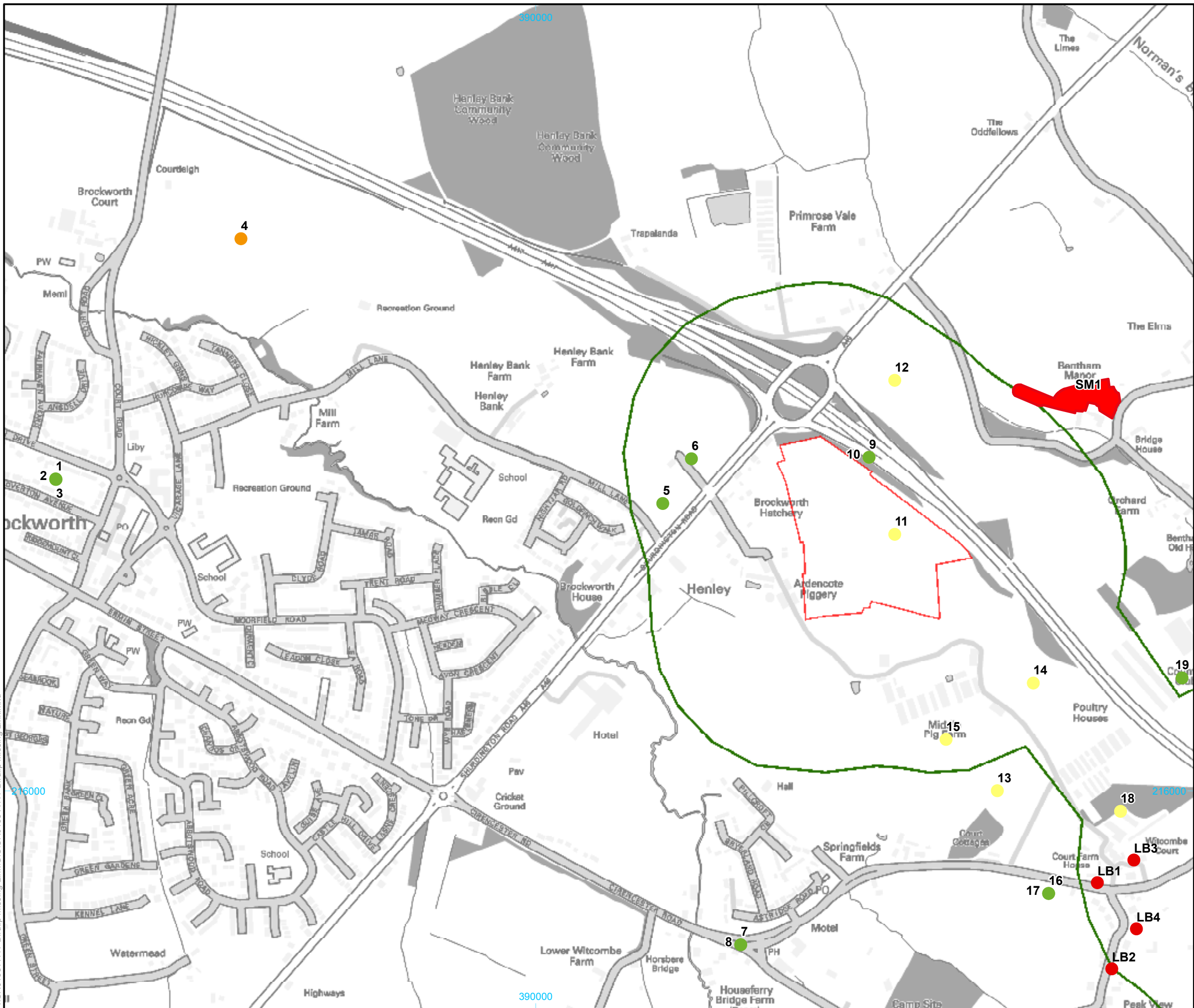
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FIGURE TITLE
Study Area, 300m Buffer area showing Sites by Period

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CHECKED BY	RM	DATE	05/08/2019	
APPROVED BY	RM	SCALE @ A4	1:20,000	2

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Legend

- Study Area
- 300m Buffer Area

Significance

- High
- Medium
- Medium/ Low
- Low



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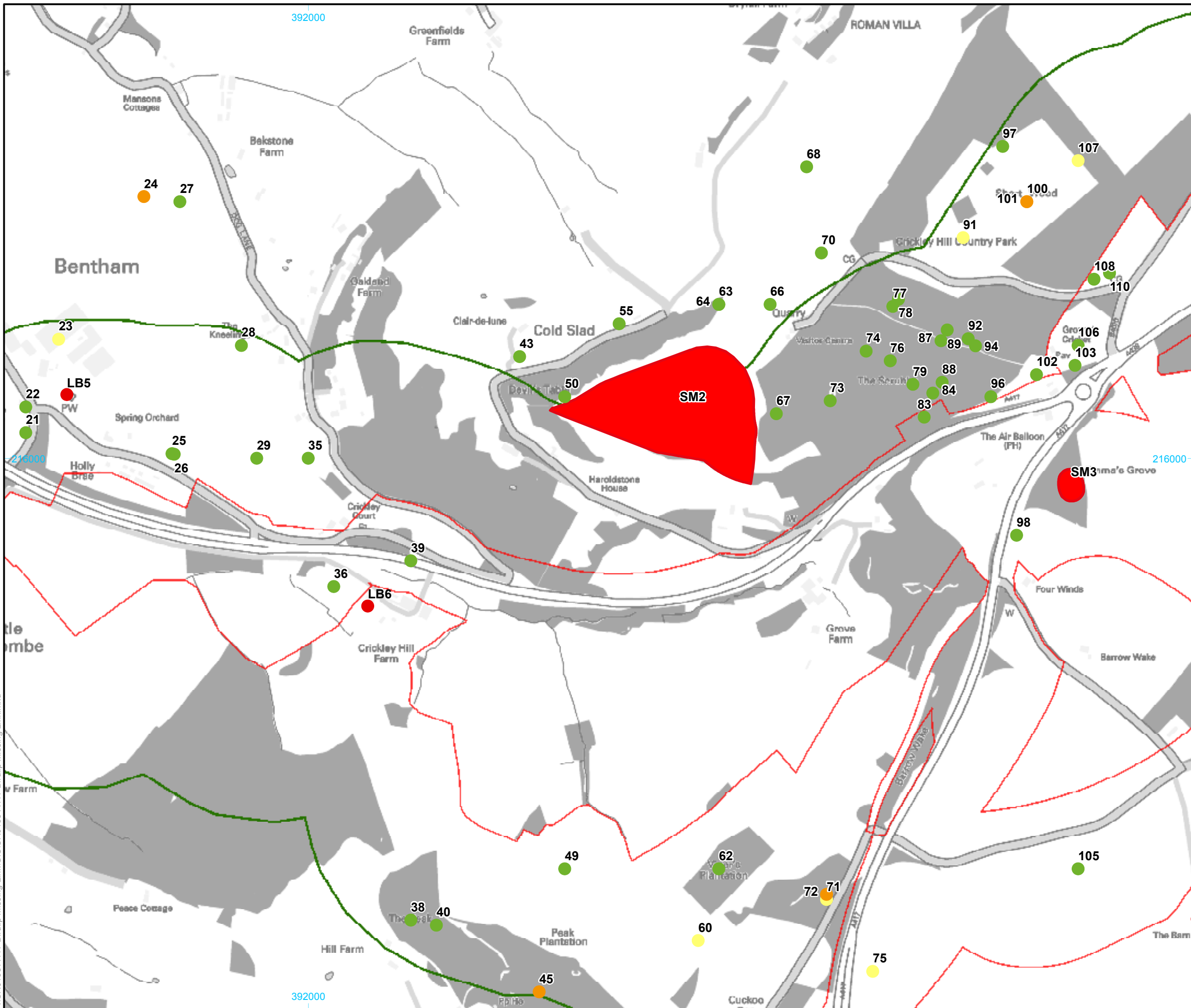
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FIGURE TITLE
Study Area, 300m Buffer area showing Sites by Period

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APPROVED BY	RM	SCALE @ A4	1:7,000	

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Legend

- Study Area
- 300m Buffer Area

Significance

- High
- Medium
- Medium/ Low
- Low



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FIGURE TITLE
 Study Area, 300m Buffer area showing Sites by Period

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Legend

Study Area
 300m Buffer Area

Significance

High
 Medium
 Medium/ Low
 Low



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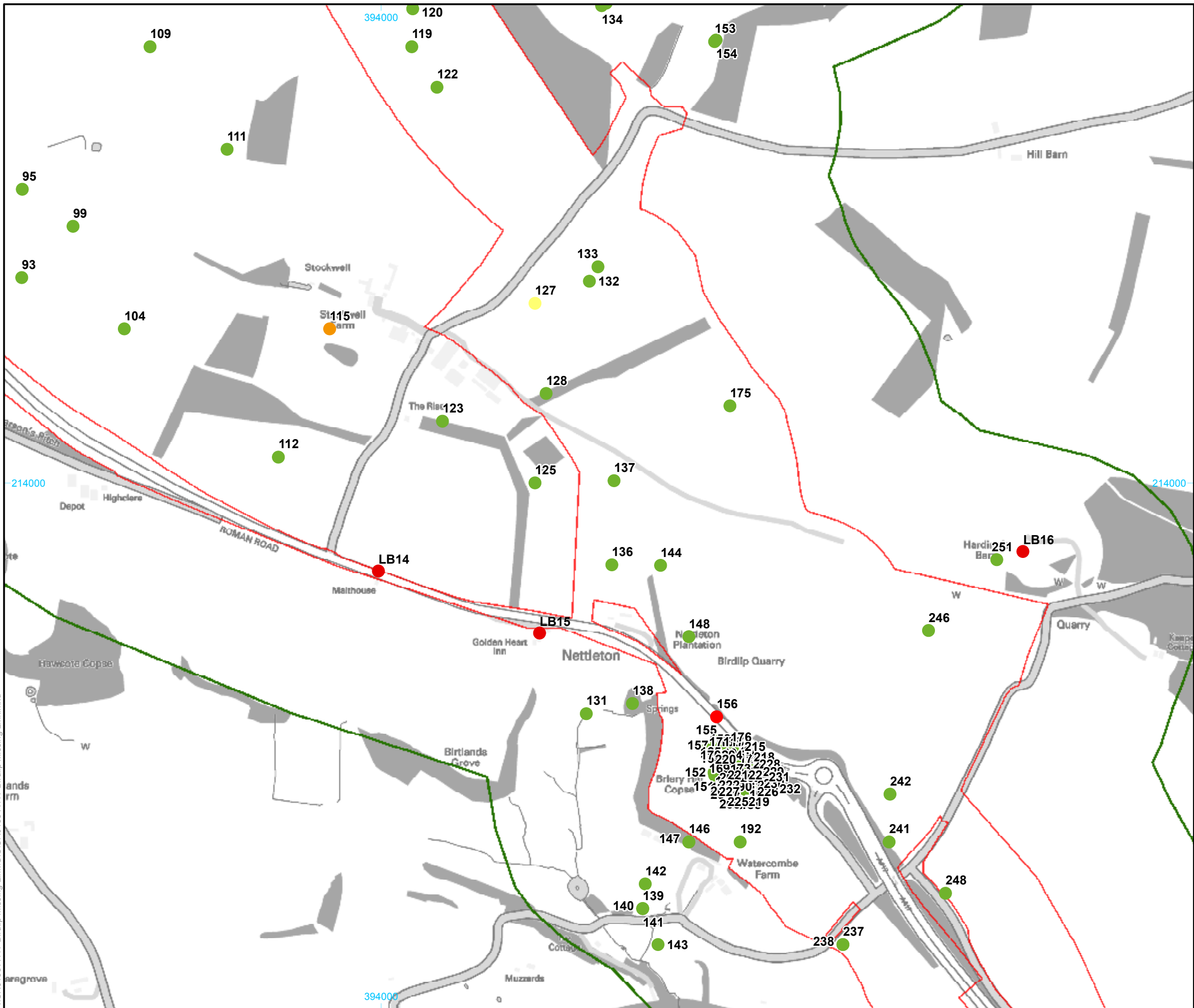
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FIGURE TITLE
Study Area, 300m Buffer area showing Sites by Period

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APPROVED BY	RM	SCALE @ A4	1:7,000	

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Legend

- Study Area
- 300m Buffer Area

Significance

- High
- Medium
- Medium/ Low
- Low



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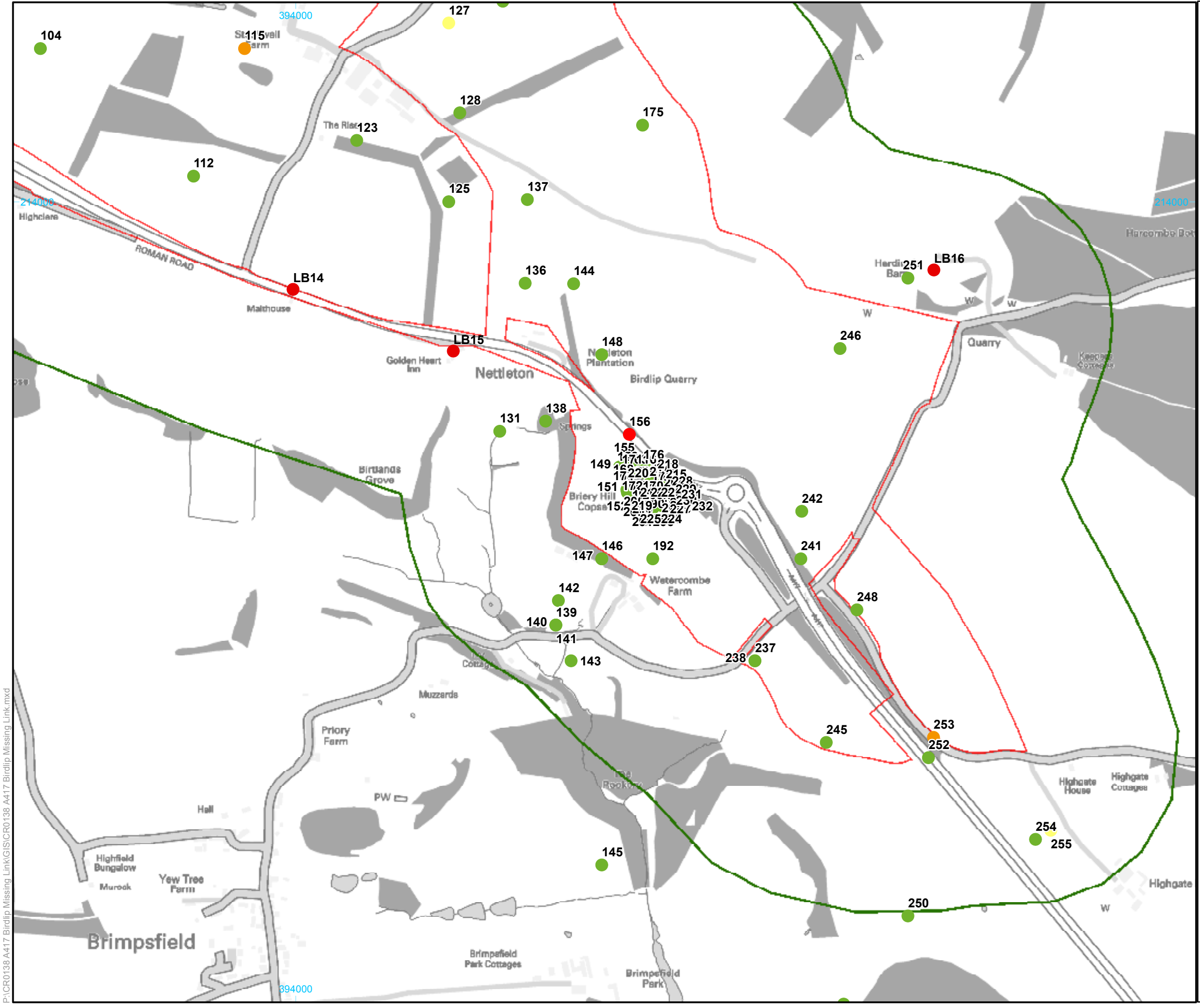
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FIGURE TITLE
Study Area, 300m Buffer area showing Sites by Period

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Legend

- Study Area
- 300m Buffer Area

Significance

- High
- Medium
- Medium/ Low
- Low



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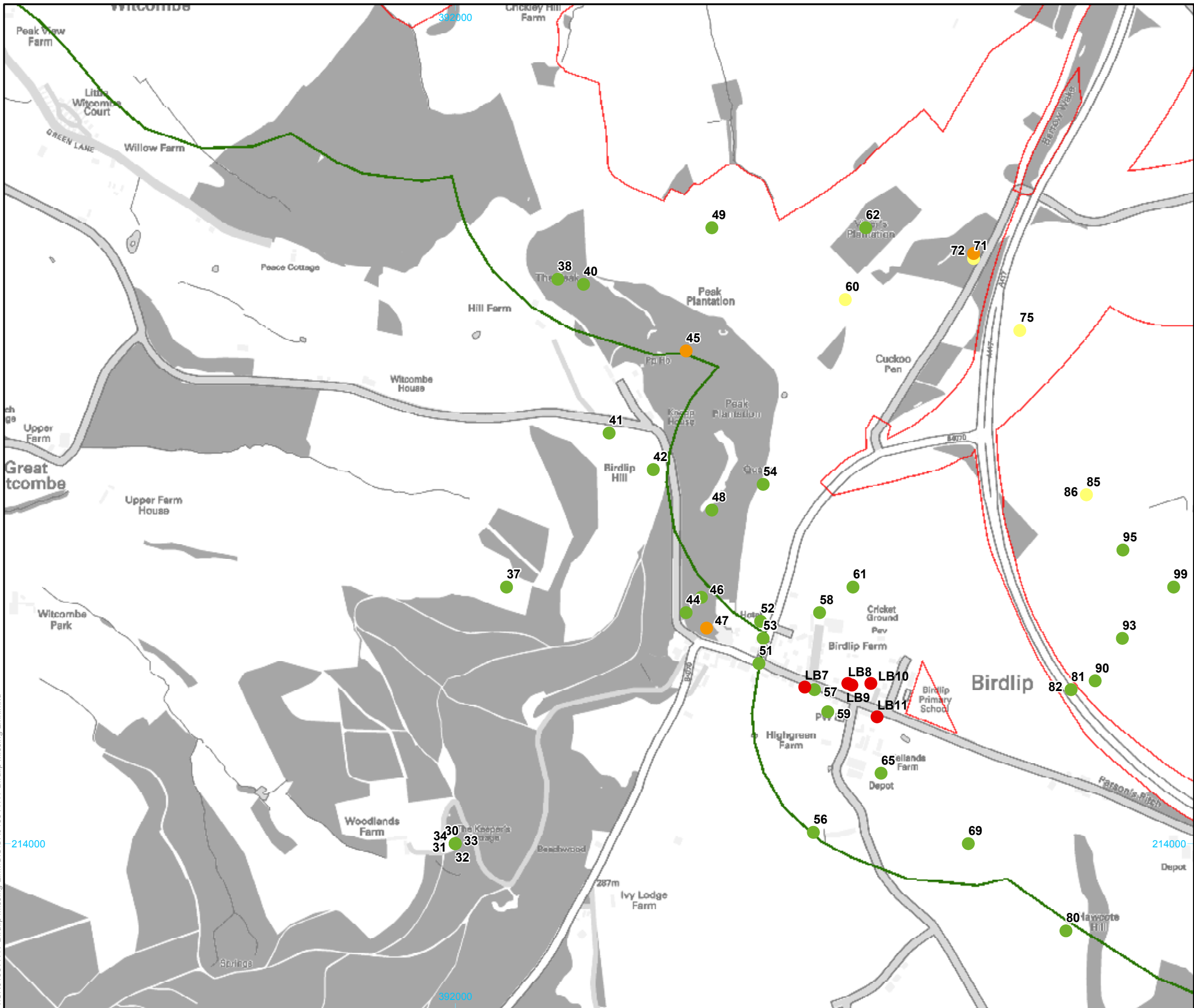
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FIGURE TITLE
Study Area, 300m Buffer area showing Sites by Period

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Legend

- Study Area
- 300m Buffer Area

Significance

- High
- Medium
- Medium/ Low
- Low



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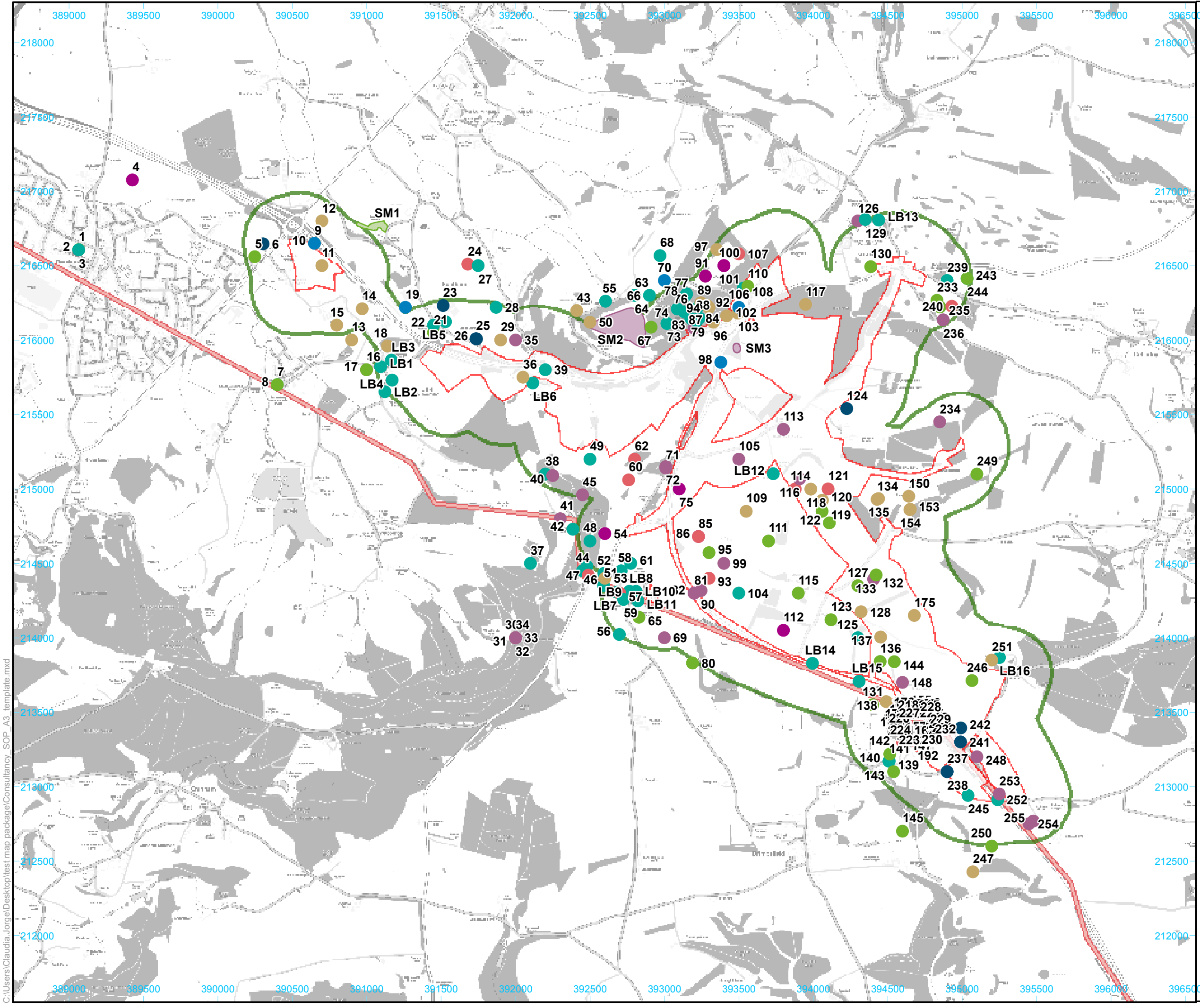

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FIGURE TITLE
Study Area, 300m Buffer area showing Sites by Period

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APPROVED BY	RM	SCALE @ A4	1:7,000	

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Legend

- Study Area
- 300m Buffer Area

Period

- Multiperiod
- Prehistoric
- Roman
- Medieval
- Post-Medieval
- WWII
- Modern
- Unknown

0 1,150m

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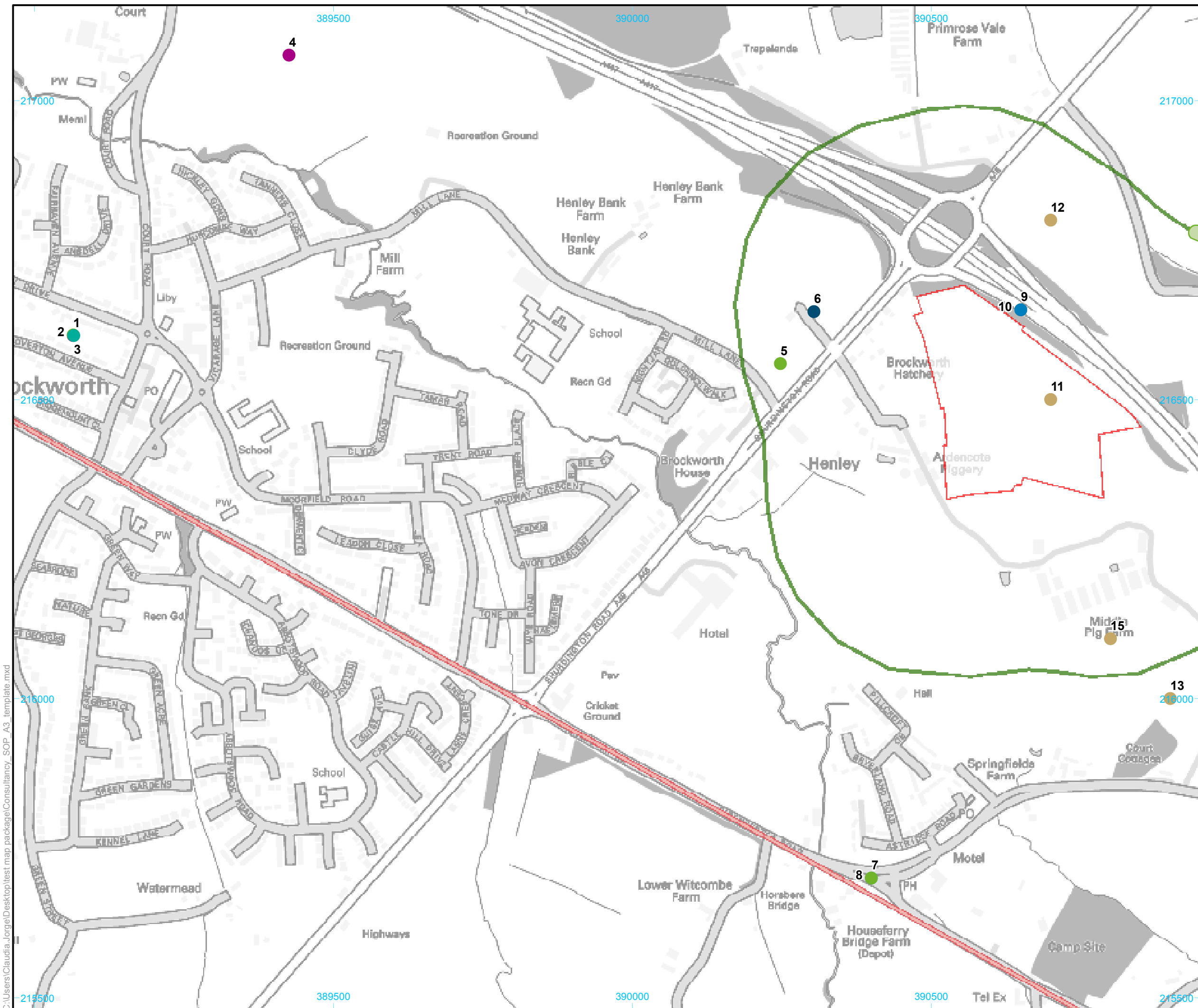
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FIGURE TITLE
 Study Area, 300m Buffer Area showing Sites by Period

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APPROVED BY	AB	SCALE @ A4	1:24,000	

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Legend

- Study Area
- 300m Buffer Area

Period

- Multiperiod
- Prehistoric
- Roman
- Medieval
- Post-Medieval
- WWII
- Modern
- Unknown



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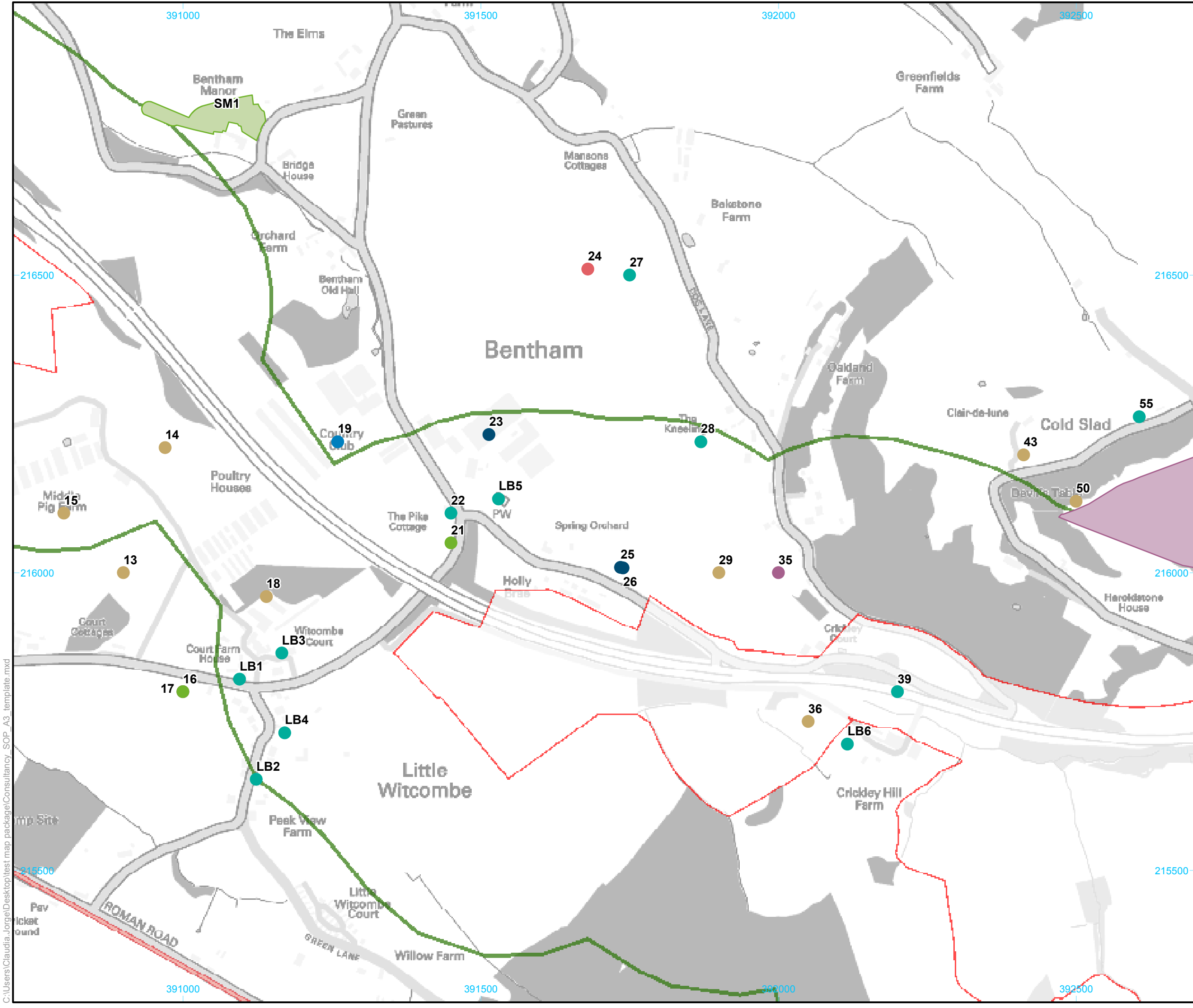
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FIGURE TITLE
Study Area, 300m Buffer Area showing Sites by Period

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Legend

- Study Area
- 300m Buffer Area

Period

- Multiperiod
- Prehistoric
- Roman
- Medieval
- Post-Medieval
- WWII
- Modern
- Unknown



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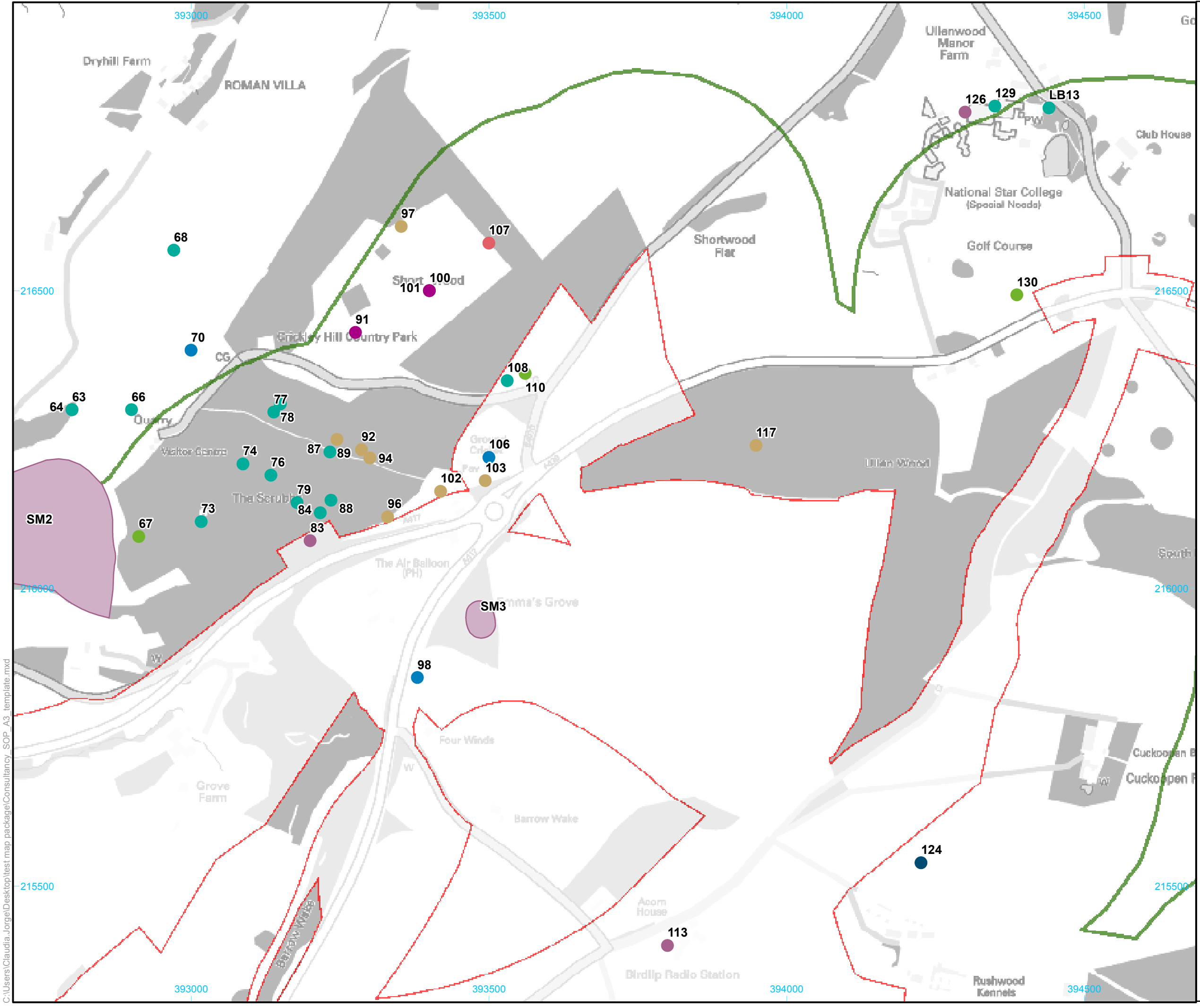
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FIGURE TITLE
Study Area, 300m Buffer Area showing Sites by Period

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Legend

Study Area
 300m Buffer Area

Period

- Multiperiod
- Prehistoric
- Roman
- Medieval
- Post-Medieval
- WWII
- Modern
- Unknown

0 300m

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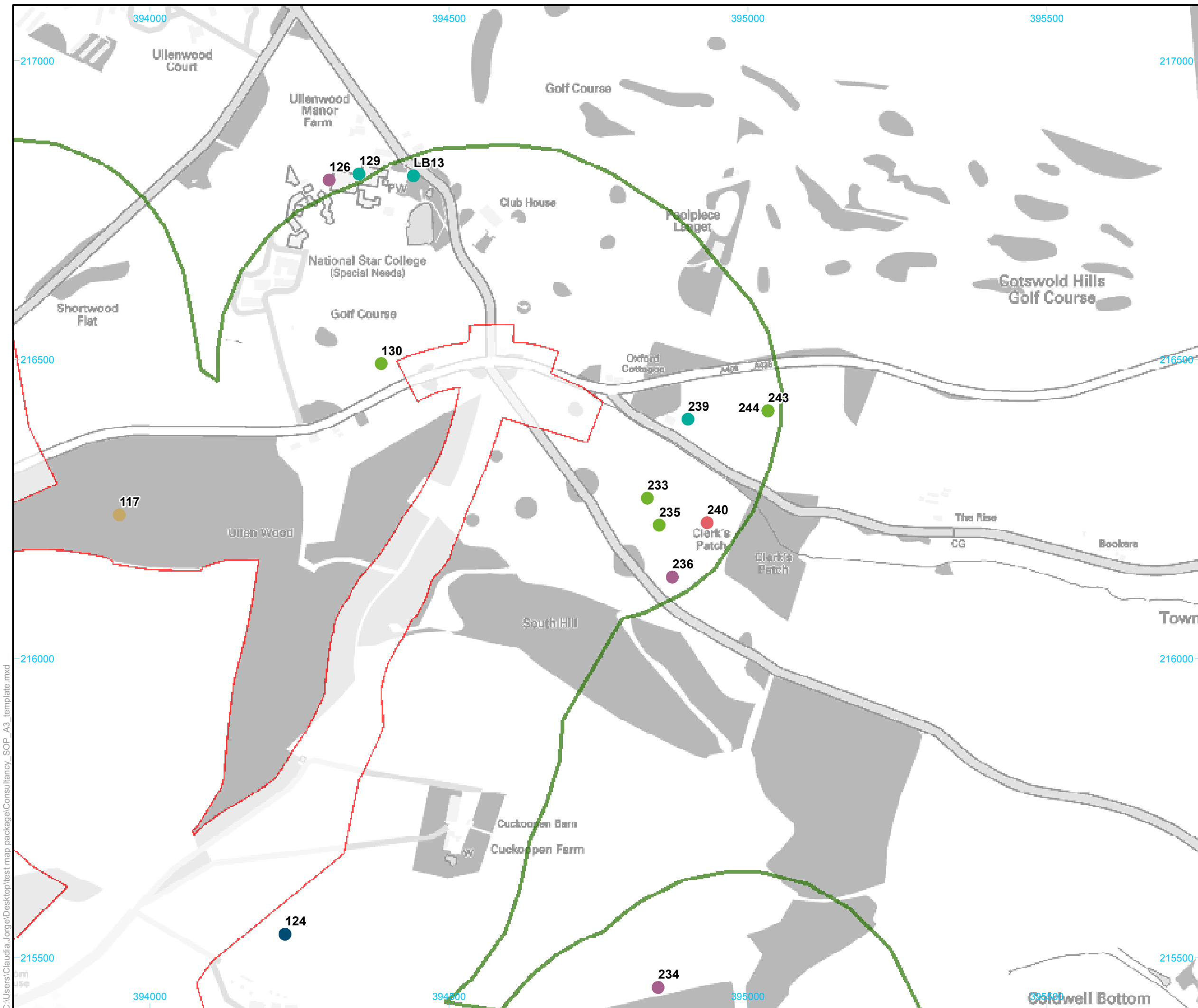
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 Exeter
 Milton Keynes
 Suffolk
 www.cotswoldarchaeology.co.uk
 enquiries@cotswoldarchaeology.co.uk

PROJECT TITLE
A417 Birdlip Missing Link

FIGURE TITLE
Study Area, 300m Buffer Area showing Sites by Period

DRAWN BY	CJ	PROJECT NO.	CR0138	FIGURE NO.
CHECKED BY	RM	DATE	19/07/2019	3.3
APPROVED BY	AB	SCALE @ A4	1:6,000	

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Legend

- Study Area
- 300m Buffer Area

Period

- Multiperiod
- Prehistoric
- Roman
- Medieval
- Post-Medieval
- WWII
- Modern
- Unknown



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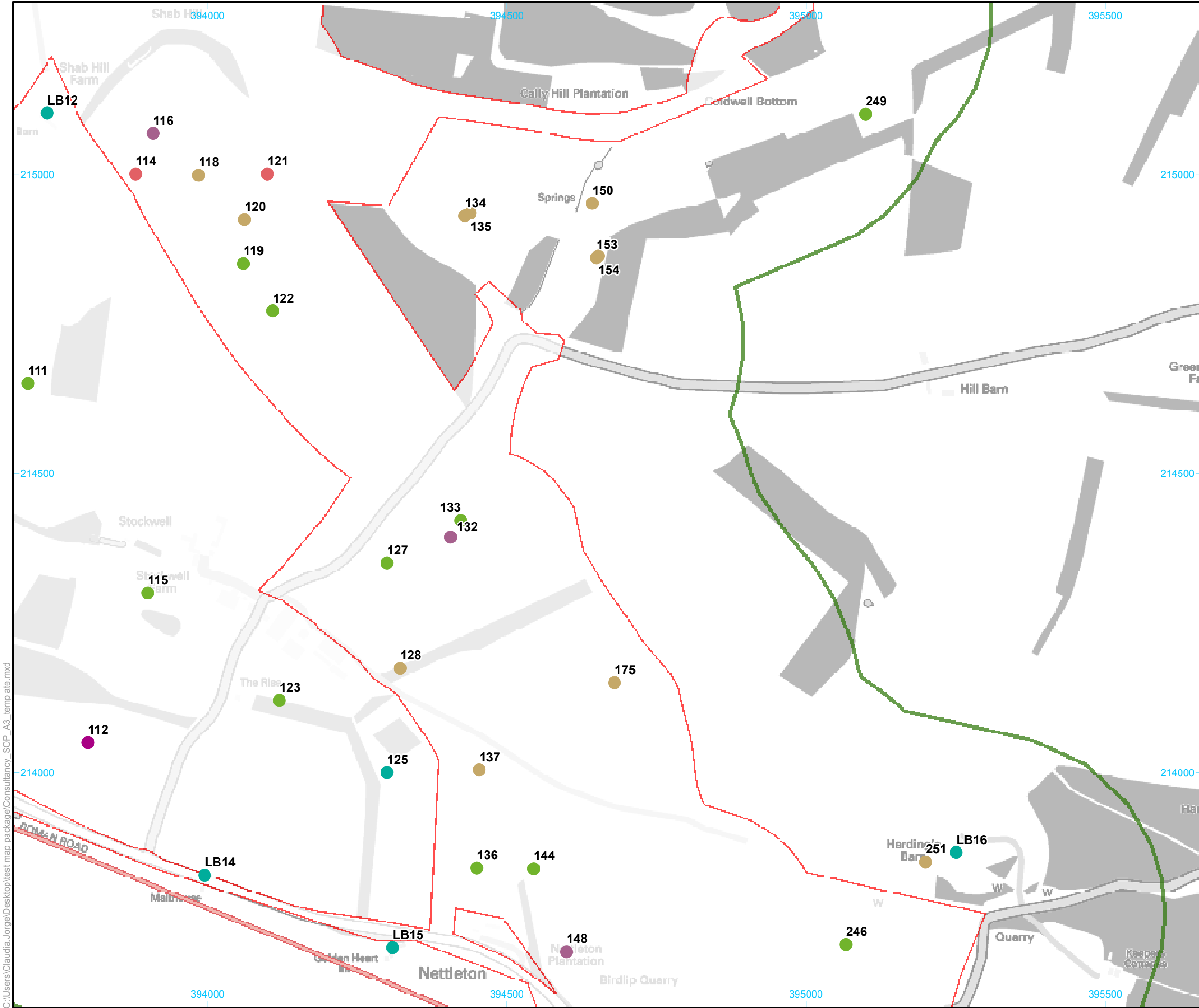
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 Milton Keynes
 Suffolk
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 enquiries@cotswoldarchaeology.co.uk

PROJECT TITLE
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FIGURE TITLE
 Study Area, 300m Buffer Area showing Sites by Period

DRAWN BY	CJ	PROJECT NO.	CR0138	FIGURE NO.
CHECKED BY	RM	DATE	19/07/2019	3.4
APPROVED BY	AB	SCALE @ A4	1:6,000	

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Legend

- Study Area
- 300m Buffer Area

Period

- Multiperiod
- Prehistoric
- Roman
- Medieval
- Post-Medieval
- WWII
- Modern
- Unknown



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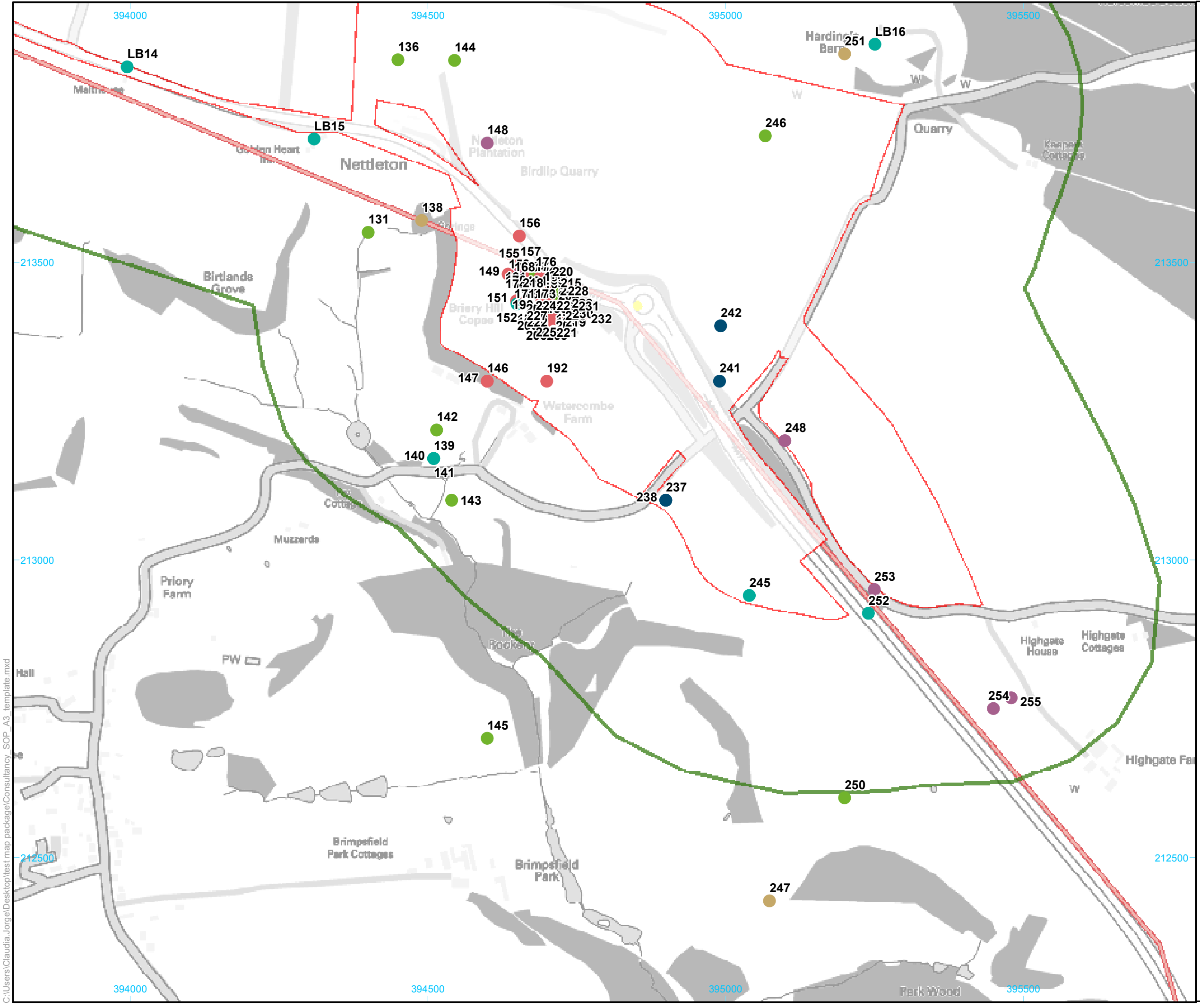
Andover
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 Exeter
 Milton Keynes
 Suffolk
 www.cotswoldarchaeology.co.uk
 enquiries@cotswoldarchaeology.co.uk

PROJECT TITLE
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FIGURE TITLE
 Study Area, 300m Buffer Area showing Sites by Period

DRAWN BY	CJ	PROJECT NO.	CR0138	FIGURE NO.
CHECKED BY	RM	DATE	19/07/2019	3.5
APPROVED BY	AB	SCALE @ A4	1:6,000	

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Legend

Study Area
 300m Buffer Area

Period

- Multiperiod
- Prehistoric
- Roman
- Medieval
- Post-Medieval
- WWII
- Modern
- Unknown

0 300m

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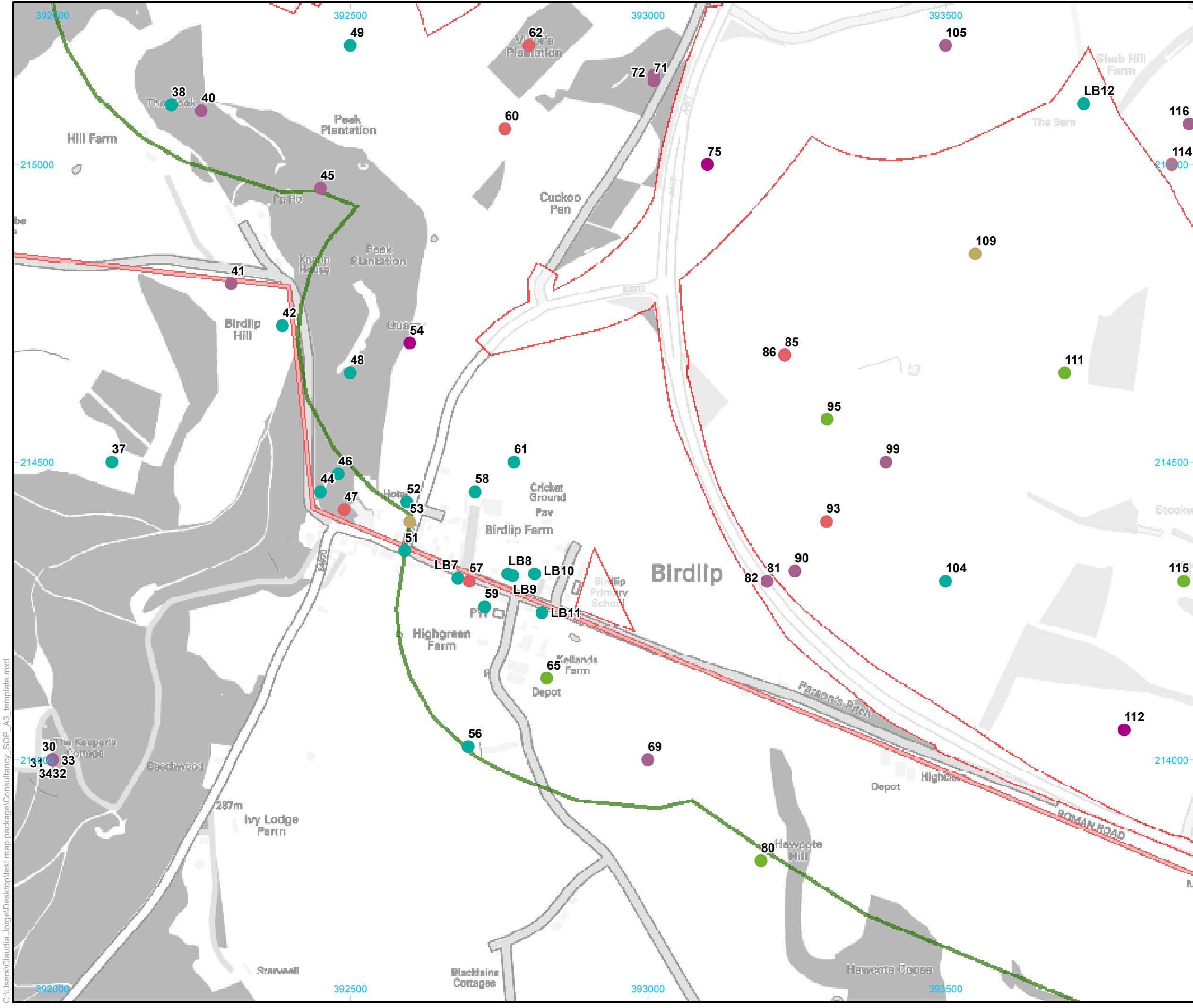
Andover
 Cirencester
 Exeter
 Milton Keynes
 Suffolk
 www.cotswoldarchaeology.co.uk
 enquiries@cotswoldarchaeology.co.uk

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FIGURE TITLE
Study Area, 300m Buffer Area showing Sites by Period

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CHECKED BY	RM	DATE	19/07/2019	3.6
APPROVED BY	AB	SCALE @ A4	1:6,000	

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Legend

- Study Area
- 300m Buffer Area

Period

- Multiperiod
- Prehistoric
- Roman
- Medieval
- Post-Medieval
- WWII
- Modern
- Unknown

0 300m

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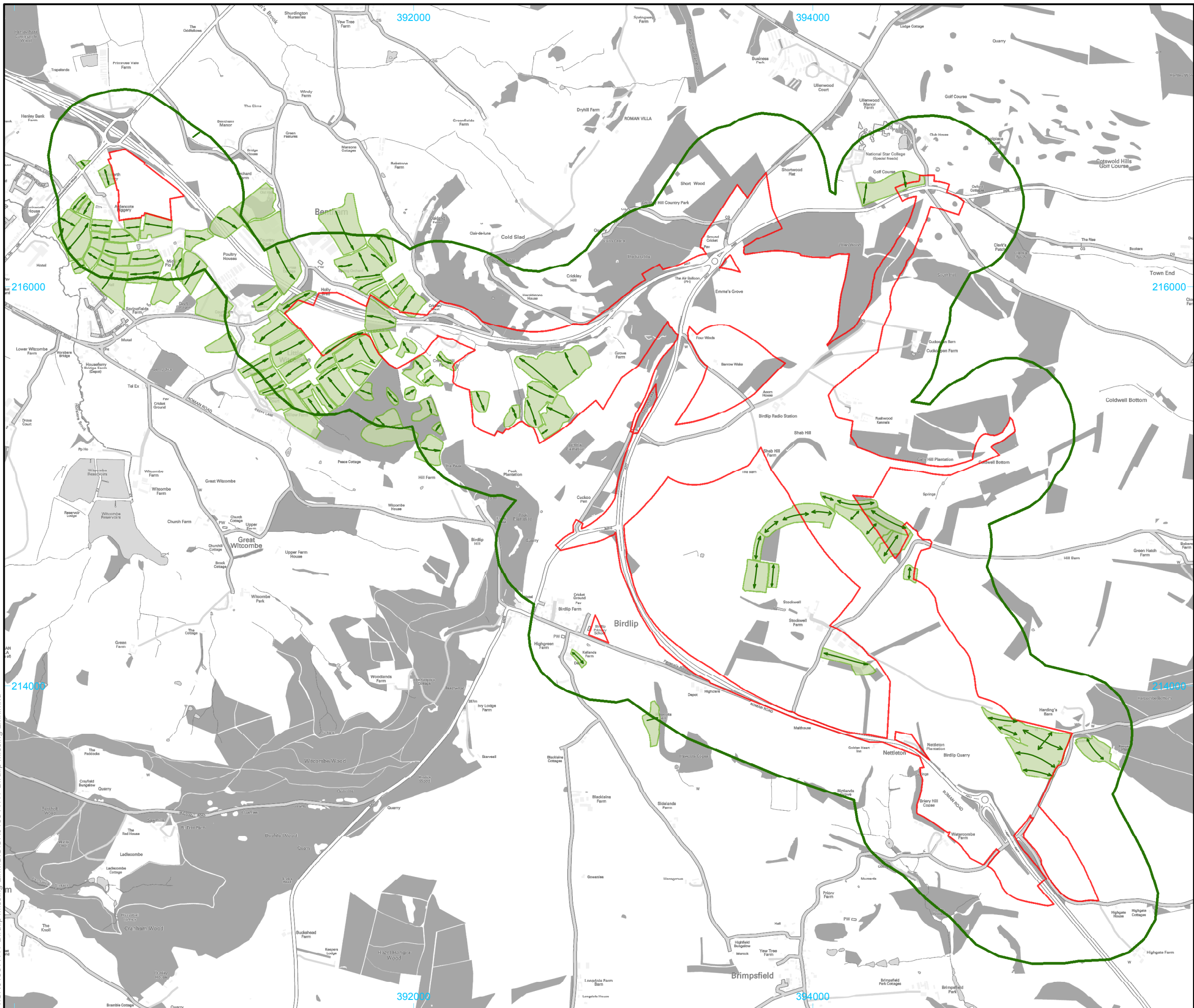
Andover
Cirencester
Exeter
Milton Keynes
Suffolk
www.cotswoldarchaeology.co.uk
enquiries@cotswoldarchaeology.co.uk

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FIGURE TITLE
Study Area, 300m Buffer Area showing Sites by Period

<small>DRAWN BY</small>	CJ	<small>PROJECT NO.</small>	CR0138	<small>FIGURE NO.</small>
<small>CHECKED BY</small>	RM	<small>DATE</small>	19/07/2019	3.7
<small>APPROVED BY</small>	AB	<small>SCALE @ A4</small>	1:6,000	

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Legend

- Study Area
- 300m Buffer
- Ridge and Furrow
- Ridge and Furrow (direction)



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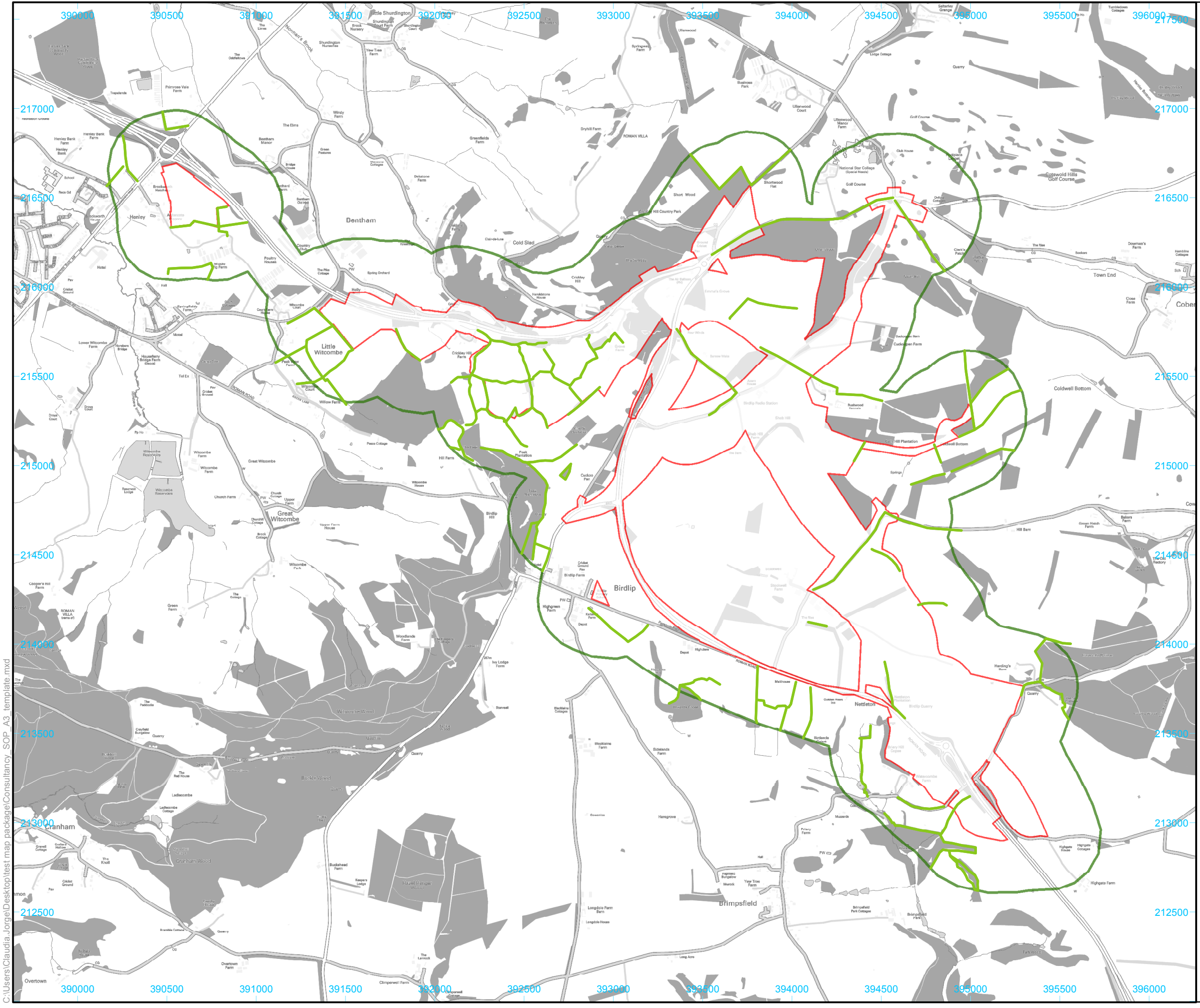

Cotswold Archaeology
 Andover
 Cirencester
 Exeter
 Milton Keynes
 Suffolk
 www.cotswoldarchaeology.co.uk
 enquiries@cotswoldarchaeology.co.uk

PROJECT TITLE
A417 Birdlip Missing Link

FIGURE TITLE
Study Area, 300m Buffer area showing Ridge and Furrow

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CHECKED BY	RM	DATE	21/08/2019	
APPROVED BY	RM	SCALE @ A4	1:18,000	4

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Legend

- 300 study area
- Hedgerows



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 Andover
 Cirencester
 Exeter
 Milton Keynes
 Suffolk
 www.cotswoldarchaeology.co.uk
 enquiries@cotswoldarchaeology.co.uk

PROJECT TITLE
A417 Birdlip Missing Link

FIGURE TITLE
Study Area, 300m Buffer Area showing Important Hedgerows

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CHECKED BY	RM	DATE	17/07/2019	5
APPROVED BY	RM	SCALE @ A4	1:20,000	

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Andover Office

Stanley House
Walworth Road
Andover
Hampshire
SP10 5LH

t: 01264 347630

Cirencester Office

Building 11
Kemble Enterprise Park
Cirencester
Gloucestershire
GL7 6BQ

t: 01285 771022

Exeter Office

Unit 1, Clyst Units
Cofton Road
Marsh Barton
Exeter
EX2 8QW

t: 01392 573970

Milton Keynes Office

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

t: 01908 564660

Suffolk Office

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

t: 01449 900120

e: enquiries@cotswoldarchaeology.co.uk

