

Loddon Garden Village

Technical Appendix 11.3 – Habitats and Landscape

Prepared on behalf of

University of Reading

Final Report

10 September 2025

23/42-7D

Loddon Garden Village

Technical Appendix 11.3 – Habitats and Landscape

Report Release Sheet

Draft/Final: Final Report

Issue Number: 23/42-7D

Date: 10 September 2025

Client: University of Reading
Whiteknights Campus
Reading
RG6 6UR

Main Author(s): Jodie Southgate BA (Hons) MSc MCIEEM

Contributors/Surveyors: Andrew Cross BSc (Hons) MSc MCIEEM
Hannah Corrigan BSc (Hons) PGCert
Jodie Southgate BA (Hons) MSc MCIEEM
Laura Gravestock BSc (Hons) MSc MCIEEM

Report Prepared for Issue by: [REDACTED]
Jodie Southgate BA (Hons) MSc MCIEEM

Report Approved for Issue by: [REDACTED]
Alison Hogan BSc (Hons) MSc MCIEEM



Ecological Planning & Research Ltd

The Barn, Micheldever Station, Winchester, Hampshire SO21 3AR

t. 01962 794720 e. info@epr.uk.com w. www.epr.uk.com

Company registration number: 8592380

Loddon Garden Village

Technical Appendix 11.3 – Habitats and Landscape

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Loddon Garden Village

Technical Appendix 11.3 – Habitats and Landscape

1. INTRODUCTION

Scope

- 1.1 This Technical Appendix supports **Chapter 11 (Biodiversity)** of the Environmental Statement (ES). It sets out the detailed methodologies and results of the survey work undertaken to inform:
- The baseline evaluation of the habitats and landscapes supported by the Zone of Influence of the Proposed Development;
 - The assessment of likely impacts on the habitats and landscapes;
 - The design of impact avoidance and mitigation measures; and
 - The design of biodiversity enhancements for habitats and landscapes.
- 1.2 It provides the foundation for, and should be read in conjunction with, Technical Appendix 11.5 Flora and Vegetation and the separate Biodiversity Net Gain (BNG) report.

Site and Development Description

- 1.3 The Site is a large area of land to the west of Wokingham, between the villages of Shinfield, Arborfield and Sindlesham. It is located outside of the Green Belt and includes the University of Reading's Thames Valley Science and Innovation Park (TVSP). It is largely made up of agricultural land and grasslands, with pockets of woodland and the River Loddon running through the centre of the Site.
- 1.4 The description of development for the application is as follows:

“Application for the phased development of a new community at Loddon Garden Village, comprising, in outline:

- *up to 2,800 residential units to include up to 100 custom and self-build plots;*
- *2 primary schools (up to 3 forms of entry) to include early years provision and 1 secondary school (up to 12 forms of entry);*
- *one District Centre, to incorporate up to 11,000m² of Class E (Commercial, business and Service, to include a food store of around 2,500m²), and Class F (Local Community and Learning);*
- *one Local Centre; to incorporate up to 2,400m² of Class E;*
- *a Sports Hub to include sports pitches and pavilion space;*
- *up to 4,250m² of further Class E, Class F, and sui generis development to include commercial, health care and public house;*
- *comprehensive green infrastructure including a Country Park, landscaping and public open space, and ecological enhancement measures;*

- 20 gypsy and traveller pitches;
- comprehensive drainage and flood alleviation measures to include Sustainable Urban Drainage Systems (SUDS) and engineering measures within Loddon Valley for the River Loddon;
- internal road network including spine road with pedestrian and cycle connections and associated supporting infrastructure;
- new and modified public rights of way;
- associated utilities, infrastructure, and engineering works, including the undergrounding of overhead lines;
- Ground reprofiling to accommodate infrastructure, flood alleviation and development parcels;
- Up to 0.5ha of land adjoining St Bartholomew's church for use as cemetery;
- Electricity substation (up to 1.5ha).

All matters reserved other than access, incorporating:

- a new pedestrian, cycle and vehicular access to Lower Earley Way via a new 4th arm to the Meldreth Way roundabout;
- a new pedestrian, cycle and vehicular bridge over the M4;
- a new pedestrian, cycle and vehicular bridge over the River Loddon;
- a new vehicular access to the A327 Reading Road, via a new arm to the Observer Way roundabout;
- a new pedestrian, cycle and vehicular access to Thames Valley Science Park;
- an initial phase of internal roads with associated drainage, landscape and engineering works and ground reprofiling, between the A327 and the south eastern boundary of the site.

Application includes full permission for the change of use of 40.4 hectares of agricultural land to Suitable Alternative Natural Greenspace (SANG), 18.35 hectares of SANG link, and provision of Biodiversity Net Gain measures, the demolition and clearance of 20,809 m² of buildings and structures at the Centre for Dairy Research (CEDAR) and at Hall Farm, the demolition of 3 existing dwellings on Carter's Hill Lane, and the retention of specified buildings at Hall Farm."

Policy and Legislative Context

Legislation

- 1.5 Full details of the legislation of relevance to ecology and nature conservation area included in **Technical Appendix 11.1**, however those of particular relevance to habitats and landscapes are summarised below.

The Conservation of Habitats and Species Regulations 2017 (as amended)

- 1.6 The Conservation of Habitats and Species Regulations 2017 (as amended) requires an appropriate authority (in England this is Natural England) to monitor the conservation status of “natural habitat types of national interest”, as listed on Annex I of the 1992 EU Habitats Directive. The main objective of the Regulations in respect of these nationally important habitats is to maintain or restore them to a favourable conservation status in their natural range.
- 1.7 A total of 77 Annex I habitats occur in the UK; these are mostly protected within designated Special Areas of Conservation (SACs) but may occasionally occur outside of these sites.

Natural Environment and Rural Communities (NERC) Act 2006 (as amended)

- 1.8 Section 40 of the Natural Environment and Rural Communities (NERC) Act 2006 (as amended) places a ‘Biodiversity Duty’ on all public bodies to have regard to the conservation of biodiversity when carrying out their normal functions. This includes giving consideration for the restoration and enhancement of species and habitats.
- 1.9 Section 41 (S41) of the Act required the Secretary of State to publish a list of habitats which are of Principal Importance for the conservation of biodiversity in England – commonly referred to as “priority habitats”. Public authorities have a responsibility to give specific consideration to the “S41 list” when exercising their normal functions. In total, 56 habitat types are included within the S41 list.

Planning Policies and Biodiversity Strategies

- 1.10 Full details of the planning policy of relevance to ecology and nature conservation are included in **Technical Appendix 11.1**, however those of particular relevance to habitats and landscapes are summarised below.

National Planning Policy Framework

- 1.11 The National Planning Policy Framework (NPPF) (2024) sets out the Government’s planning policies for England and how they should be applied. With regard to protecting the natural environment, Section 15 of the NPPF requires that planning decisions should enhance the natural environment and provide net gains for biodiversity.
- 1.12 The NPPF states that “development resulting in the loss or deterioration of irreplaceable habitats (such as ancient woodland and ancient or veteran trees) should be refused, unless there are wholly exceptional reasons and a suitable compensatory strategy exists” (para 186c).
- 1.13 Ancient woodland is defined in the NPPF as “an area that has been wooded continuously since at least 1600 AD. It includes ancient semi-natural woodland and plantations on ancient woodland sites”.

Local Planning Policy

- 1.14 The Wokingham Borough Council Adopted Core Strategy: Development Plan Document (January 2010) sets out the framework for the development of the borough, through a series of policies and strategies. Of particular relevance to habitats is Policy CP7 – Biodiversity, which states:

“... *Development:*

A) Which may harm county designated sites (Local Wildlife Sites), whether directly or indirectly, or

*B) Which may harm **habitats** or species **of principal importance** in England for nature conservation, veteran trees **or features of the landscape that are of major importance for wild flora and fauna (including wildlife and river corridors)**, whether directly or indirectly, or*

C) That compromises the implementation of the national, regional, country and local biodiversity action plans

will be only permitted if it has been clearly demonstrated that the need for the proposal outweighs the need to safeguard the nature conservation importance, that no alternative site that would result in less or no harm is available which will meet the need, and;

i) Mitigation measures can be put in place to prevent damaging impacts; or

ii) Appropriate compensation measures to offset the scale and kind of losses are provided.” [our emphasis]

- 1.15 The Wokingham Borough Local Plan Update 2023-2040 was submitted to the Secretary of State for examination by an independent Planning Inspector in February 2025. Whilst not currently enforced, consideration has been given to these emerging policies during the course of the impact assessment, and design of mitigation, compensation and enhancement strategies.

Berkshire Local Nature Recovery Strategy

- 1.16 The draft Berkshire Local Nature Recovery Strategy was published in February 2025, with finalisation of the strategy anticipated in the summer of 2025. Formed as a requirement of The Environment Act 2021, Local Nature Recovery Strategies aim to identify priority actions for local biodiversity, including habitat and species, to create a collaborative landscape level approach to nature restoration.

Biodiversity Opportunity Areas

- 1.17 The majority of the Site west of the Loddon and north of the M4, along with a small area to the east, is within the Loddon Valley South Biodiversity Opportunity Area (BLNP, 2024). This BOA is a focal point for the restoration, re-creation and management of lowland meadow, wet woodland and parkland habitats, and is shown on **Map 11.3.3**.

2. SURVEY AND ASSESSMENT METHODOLOGY

- 2.1 The approach to ecological impact assessment taken in this report is in line with guidance from the Chartered Institute of Ecology and Environmental Management Guidelines for Ecological Impact Assessment (CIEEM, 2018), as set out in **Technical Appendix 11.2**.

Defining the Zone of Influence

- 2.2 The area over which the activities associated with the Proposed Development are considered to potentially affect habitats and landscape, the Zone of Influence (Zol), has been predicted by considering the activities and resultant biophysical changes arising during the construction and operational phases, as summarised below.

Likely Biophysical Changes

- 2.3 The predicted biophysical changes of relevance to habitats are as follows:

Activities and Resultant Biophysical Changes During the Construction Phase

- Permanent and/or temporary loss of habitats due to the erection then removal of temporary fencing, site compounds etc.;
- Permanent and/or temporary damage to habitats through increased levels of human and vehicular activity (e.g. trampling, soil compaction);
- Permanent and/or temporary damage to habitats due to pollution from dust, chemicals, contaminated water, hydrological changes and/or airborne traffic pollution; and
- Permanent loss of habitats due to planned vegetation clearance to facilitate the Proposed Development.

Activities and Resultant Biophysical Changes During the Operational Phase

- Permanent and/or temporary damage to habitats from increased levels of human activity and vehicle movements (e.g. trampling, soil compaction, fire, litter, vandalism, spillages, dog fouling);
- Permanent and/or temporary damage to habitats due to hydrological changes; and
- Implementation of habitat creation and enhancement measures and long-term management plans.

- 2.4 Some of the changes that could potentially affect habitats, such as dust generation, have effects beyond the construction footprint, whilst others are likely to result in more localised changes. With this in mind, the potential Zol that has been considered within this Appendix includes the Site and the immediately adjacent land.

Desktop Study Methodology

- 2.5 The desktop study in relation to habitats involved a review of published information and internet resources, including data held on priority habitats, ancient woodland, geology, topography and landscape history for the survey area. Sources consulted included:

- The Multi-Agency Geographic Information for the Countryside (MAGIC);

- The British Geological Survey;
 - The Soil Survey of England and Wales;
 - The Environment Agency;
 - Open-source LiDAR imagery published by DEFRA;
 - Ordnance Survey Drawing 126, dated 1806;
 - OS 1 inch to the mile OS map, Sheets 7 and 12, published 1817;
 - The 6" and 25" to the Mile Ordnance Survey Maps (c. 1880-1930s); and
 - Aerial imagery from the 1940s onwards.
- 2.6 A combination of the OS MasterMap survey area layer and open-source aerial imagery (ESRI, Google Earth) was used to divide the survey area into parcels and create a draft habitat map in ArcGIS software, which was then ground-truthed and updated during the field surveys.
- 2.7 Each habitat parcel and linear feature (hedgerows, tree lines and ditches) has been assigned a unique ID code. These are referred to throughout this Appendix, and shown on **Maps 11.3.2a to 11.3.2i**.

Field Survey Methodology

Field Survey Dates and Personnel

- 2.8 All parcels and linear features within the Site have been subject to at least one walkover visit by an EPR botanist between 2022 and 2025 in order to map and categorise the habitats present using the UK Habitat Classification system v2.0 (UKHab) (2023).
- 2.9 Surveys were primarily carried out by Jodie Southgate BA (Hons) MSc MCIEEM, Specialist Principal Ecologist at EPR. Jodie is an experienced habitat and botanical surveyor who is capable of mapping to the highest level of UKHab, as well as NVC (National Vegetation Classification). She holds a BSBI Field Identification Skills Certificate (FISC) Level 4.
- 2.10 **Annex 1** details the survey dates and personnel for each of the parcels and features shown on **Maps 11.3.2a to 11.3.2i**.

Survey Methodology

- 2.11 Each of the parcels and linear features within the Site were subject to a slow walkover in order to record the habitat types present and make notes on the associated vegetation, species, condition and management. Each parcel/feature was then characterised and mapped to the most detailed level possible under UKHab, including all applicable essential secondary codes. A Minimum Mapping Unit (MMU) of 25m² was used.
- 2.12 A list of the vascular plant species present was recorded from each parcel/feature, along with an estimation of relative frequency using the 'DAFOR' scale, where D = Dominant, A = Abundant, F = Frequent, O = Occasional and R = Rare. The prefix 'L' was used to denote 'Locally'. Any readily identifiable bryophytes and lichens were also recorded where present.

- 2.13 A mixture of 1x1m and 2x2m quadrats were recorded in the grassland parcels, to aid the categorisation of habitat types (as well as the identification of vegetation communities and/or to collect data for the BNG condition assessment, reported separately). The “Domin scale” was used for the 2x2m quadrats in accordance with the National Vegetation Classification (NVC) methodology (Rodwell, 2006). NVC Community Descriptions (Rodwell, 1991-2000) were referred to in some cases to aid the classification of habitat types.

Survey Limitations and Constraints

- 2.14 The survey area was fully accessible and surveyed at an optimal time of year for each habitat type on at least one of the survey visits, with no significant constraints encountered.

Evaluation Methodology

- 2.15 The evaluation of habitats and landscapes has been undertaken in accordance with the Guidelines for Ecological Impact Assessment in the UK and Ireland: Terrestrial, Freshwater and Marine (CIEEM, 2018).
- 2.16 As per the Guidelines the first stage of an Ecological Impact Assessment (EclA) is to identify “important ecological features” within the Zol of a proposed scheme and evaluate the relative importance of these on a geographic scale (International, National, Regional, County, Local or Within the Zol). Typically, only those features of “Local” importance or above are taken forward for full impact assessment.
- 2.17 The UK Habitat Classification, however, is a descriptive tool, and labelling a parcel or feature as a particular habitat type does not in itself convey an intrinsic level of ‘importance’ in ecological terms. With some exceptions (see below), the evaluation of “habitats” for EclA purposes is therefore contained within the evaluation of their component flora and vegetation, as set out in the separate Flora and Vegetation report. The value of different habitats for protected and notable faunal species is also discussed in the relevant reports for those species.
- 2.18 Some habitat parcels and features, however, qualify as “important ecological features” in their own right, i.e. for reasons unrelated to their component flora/vegetation or geographic level of importance. This includes habitats afforded additional weight in planning policy, such as those associated with areas of Provisional Ancient Woodland, Annex 1 and S41 ‘Priority’ habitats, and habitats which are of intrinsic importance as wildlife corridors and/or historic features of long ecological continuity. Such habitats are subject to a full impact assessment in Chapter 11: Biodiversity and are highlighted throughout **Section 3** and in the Evaluation in **Section 4**.

3. ECOLOGICAL BASELINE

Desktop Study

Physical Context

- 3.1 The Site straddles a section of the Loddon valley and its floodplain, which runs diagonally across the Site from south-west to north-east. The majority of the lower-lying floodplain areas are to the west of the river, with the land gently rising towards the north-western boundaries of the Site. The eastern bank of the river is notably steeper, with the majority of the eastern half of the Site sitting on a low plateau above the floodplain (**Figure 3.1**).

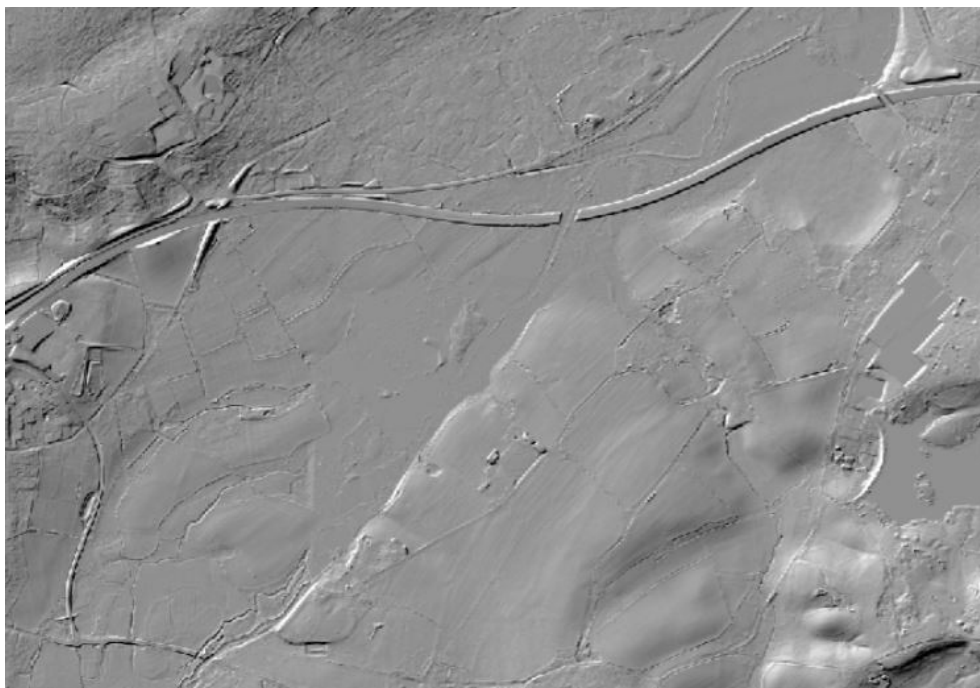


Figure 3.1: Extract from LiDAR DTM 2020 Hillshade for the Site and surrounds

- 3.2 The bedrock geology is London Clay, with superficial alluvial deposits (clay, silt sand and gravel) on the floodplain, and a mixture of more freely-draining 'brickearth' (clay, silt and sand) and 'river terrace' (sand and gravel) on higher ground to the east and north-west. Localised areas of brickearth and river terrace deposits are also present on the floodplain itself, providing 'islands' of drier ground (**Figure 3.2**). Soils are generally neutral to weakly acidic.



Figure 3.2: Superficial deposits. Green = alluvium, peach = river terrace, orange = brickearth

- 3.3 **Figure 3.3** shows the Loddon floodplain as represented by the Environmental Agency's Flood Zones 2 (light blue) and 3 (dark blue). The tributary to the south-east is Barkham Brook, which arises from around 5km off-site around Arborfield Green.

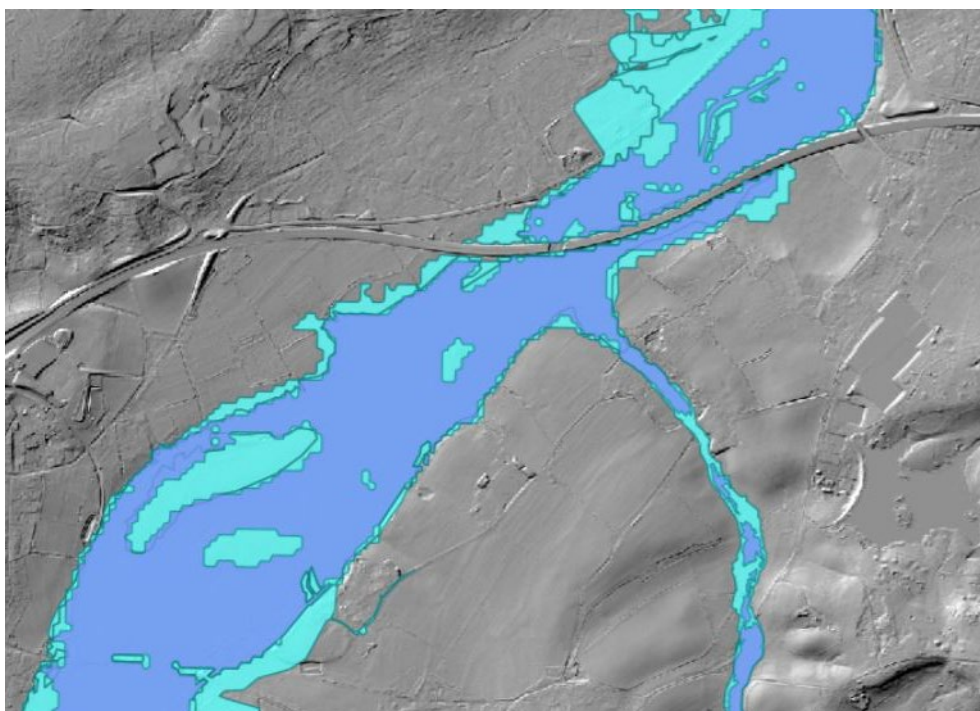


Figure 3.3: Hydrology. Light blue = Flood Zone 2, dark blue = Flood Zone 3.

- 3.4 Several smaller watercourses are present within the Loddon floodplain area. Their courses are influenced heavily by the topography and geological deposits shown in **Figures 3.1 and 3.2**. This is discussed further below under Rivers and Lakes and represented on **Map 11.3.6**.

Landscape/Ecological History

- 3.5 The Site lies within several historic parishes, including Arborfield, Shinfield, Sonning and Hurst. Historic land use was influenced by the physical landscape described above, and can be roughly divided into the three broad areas below.

Floodplain

- 3.6 Historic maps and records from the mid-1700s to late 1800s indicate that the floodplain habitats to the west of the Loddon were generally a network of irregularly-shaped meadows, permanent pastures and small areas of rough marshland or scrub, bordered by a series of ditches, hedgerows and occasional green lanes. Many of these ditches and boundaries are still present today. Very little woodland was present in this landscape.

North-western slope

- 3.7 The north-western slope above the floodplain was historically a series of enclosed recti-linear fields, likely used for arable or grazing associated with Upperwood Farm and Marsh Farm (the latter no longer present). Several of these have since lost their internal boundaries and been combined into one single field (e.g. IV02, IV27) and some have been bisected by the modern M4 motorway corridor (e.g. IV31). One woodland, St John's Copse (IV18) is present on the historic maps.
- 3.8 An area of historic landfill is mapped at parcel NM03a, north of the M4. This is likely to be associated with the construction of the M4 motorway in the 1960s.

Eastern plateau

- 3.9 The plateau east of the Loddon can be divided into three main historic land uses:
- The south-western portion of this area, between the Arborfield Road and modern-day Hall Farm complex, was parkland and scattered trees associated with the former Arborfield Hall. The Arborfield Hall complex included wide tree-lined driveways, a farm, water mill, woodland (a remnant of which is still present at HF10) and a rectory.
 - The central portion now occupied by CEDAR and surrounding fields comprised enclosed recti-linear fields (e.g. HF23), likely used for growing arable crops, and old lanes or droveways. Some woodland plantations were present alongside the river, including Loader's Copse (HF59).
 - The north-eastern portion was originally part of the historic Sindlesham Common, connected to the wider landscape by wide droveways which are still present today as modern lanes. This would have typically been rough grazing land prior to enclosure in the mid-1800s, after which it is likely to have been used for arable or pasture.
- 3.10 The results of the desktop study in respect of landscape history and physical context were used to aid the classification of habitats and vegetation communities (the latter described in the separate Flora and Vegetation report), and are discussed in more detail in the relevant sections below.

Provisional Ancient Woodland

- 3.11 Although the NPPF defines ancient woodland as having been continuously wooded since 1600 AD, very few maps or records from this period exist. It is therefore very difficult to prove definitively whether an area of woodland is ‘ancient’ or not, and for this reason, EPR refers to areas mapped on Natural England’s Ancient Woodland Inventory as “provisional” ancient woodland.
- 3.12 Eight areas of Provisional Ancient Woodland are present within or adjacent to the Site. These are listed in **Table 3.1** below and shown on **Map 11.3.3**.

Table 3.1: Areas of Provisional Ancient Woodland within or adjacent to the Site

Woodland Name	Location	ID	Comments
On-Site			
St John’s Copse	West of the Loddon	IV18	Present on maps from the mid-1700s.
Loaders Copse	On-site, east of the Loddon	HF59, HF59a	Present on maps from the early 1800s.
The Gorse/ Newbury’s Copse	On-site, east of the Loddon	HF41	Labelled as ‘gorse’ or ‘brushwood’ on maps from late 1800s, unlikely to have been wooded in AD 1600
Brick Kiln Coppice	On-site, east of the Loddon	HF18	Mixed plantation, present on maps from the early 1800s.
Off-Site			
Gravelpit Wood	Adjacent to the Site boundary (east of Loddon)	n/a	Small parcel within historic Sindlesham Common, now part of a larger woodland.
Furzen/Parsons Coppice	Adjacent to the Site boundary (east of the Loddon)	HF10	Small strip of woodland on southern boundary, remnant of a once larger woodland Parsons Coppice, present on maps from the early 1800s
Dog Kennel Copse	Adjacent to the Site boundary (east of Loddon)	G06a	Small strip of woodland associated with old lane, present on maps from the mid-1800s.
Unnamed	Off-site but partly within the wider LGV allocation	HTF19	Small woodland adjacent to the Loddon, north-east of Mill Lane.

Priority Habitats

- 3.13 Several habitats mapped on Natural England’s Priority Habitat Inventory (PHI) are present within the Site, mainly to the west of the Loddon and north of the M4. These include areas of Lowland Mixed Deciduous Woodland, Coastal and Floodplain Grazing Marsh, “Good Quality Semi-Improved Grassland”, a small area of Traditional Orchard within the Hall Farm complex, and an area of Lowland Fen located outside of the Site boundary, between the western and eastern halves of the Site.
- 3.14 The PHI is a useful reference and survey-planning tool but is largely based on aerial imagery and topographical/hydrology maps rather than up-to-date ground truthing. EPR’s field observations are therefore considered to take precedence over the PHI, where results differ. For example, the small area of Traditional Orchard mentioned above is now a lawn with no trees

present. EPR will submit evidence to Natural England's Priority Habitat Inventory team in 2025 to request that the inventory is updated.

Field Survey Results

Introduction

- 3.15 An overview of the main UKHab types present, and their distribution across the Site, is provided below. Where present, habitat types listed under Annex 1 of the Habitats Directive or Section 41 of the NERC Act 2006 (as amended) are highlighted.
- 3.16 A full table detailing the habitats present within each of the identified parcels and linear features within the Site is set out in **Annex 1** for reference, including their area/length, UKHab type, and a brief description. Habitats are mapped on **Maps 11.3.4a to 11.3.4d** (area habitats), **11.3.4e to 11.3.4h** (hedgerows and tree lines) and **Map 11.3.6** (watercourses).
- 3.17 To ensure that the maps are clear and readable, Essential Secondary codes are not shown on the Area Habitat **Maps 11.3.4a to 11.3.4d**, but are listed against their respective parcels in the detailed habitat table in **Annex 1**.
- 3.18 **Table 3.2** below provides a summary of the relative coverage of the different habitat types found across the Site.

Table 3.2: Coverage of different habitat types across the Site

Habitat Type	Approximate coverage – whole Site	Approximate coverage – east of Loddon (proposed development area)
Cropland (cereal, grassland leys)	31%	43%
Ditches	9km	2km
Floodplain wetland mosaic (overlaps with other habitat types)	18%	4%
Hedgerows	16km	8km
Lines of trees	4km	2km
Modified grassland	37%	37%
Other neutral grassland (including committed Lowland Meadow)	12%	6%
Rivers and Streams (excl. Loddon)	6km	1km
Standing water (floodplain ditches, ponds)	<1%	-
Scrub (mixed, Blackthorn, Bramble, Willow)	2%	1%
Wetland (rush pasture, reedbeds/swamps, other)	2%	2%
Woodland (including wet woodland)	10%	7%
Urban	4%	3%

Cropland

c1c Cereal Crops and c1b Temporary Grass/Clover Leys

- 3.19 Around half of the proposed development area east of the Loddon, and a handful of fields to the west, comprise agricultural fields used for growing cereal crops or silage. Some of the fields are

periodically sown with a temporary grass/clover ley as part of routine agricultural rotation. These habitats cover approximately 31% of the total Site area, and 43% of the proposed development area east of the Loddon.

- 3.20 Cereal crops and leys are generally intensively managed and of relatively limited value to wildlife, but can provide habitat for certain species such as farmland birds, and may support arable plants of conservation interest.

Grassland

g3a Lowland Meadow

- 3.21 The areas mapped as 'Lowland Meadow' on **Maps 11.3.4a to 11.3.4d** are not yet present on the ground, but represent a committed 'future baseline' that are to be delivered as part of legally secured BNG measures for consented planning applications in the local area.

g3c Other Neutral Grassland

- 3.22 Several areas of Other Neutral Grassland are scattered around the Site. These include the sub-types g3c5 *Arrhenatherum* Neutral Grassland, g3c7 *Deschampsia* Neutral Grassland and g3c8 *Holcus-Juncus* Neutral Grassland, described under the subheadings below.
- 3.23 The main areas of g3c Other Neutral Grassland are located west of the Loddon. The majority are mostly located on localised gravel terrace deposits south of the M4 (such as parcel EV24) and form a mosaic with the more extensive areas of Modified Grassland on the floodplain, described below. These grasslands have developed more diversity than their floodplain counterparts, likely due to being better-drained and therefore less nutrient-rich.
- 3.24 Neutral grasslands are also present to the north of the M4 (NM01, NM03, NM03a). These grasslands are listed as Coastal and Floodplain Grazing Marsh on the PHI, but on the ground proved to be well-drained with no evidence of wetland species. NM03a also corresponds with an area of historic landfill.
- 3.25 These grasslands are horse-grazed and relatively species-rich, with typical species including Common Bent *Agrostis capillaris*, Perennial Rye-grass *Lolium perenne*, Yorkshire Fog *Holcus lanatus*, Crested Dog's-tail *Cynosurus cristatus*, Bird's-Foot Trefoil *Lotus corniculatus*, Lesser Hawkbit *Leontodon saxatilis*, Cat's-ear *Hypochaeris radicata*, Ribwort Plantain *Plantago lanceolata*, Common Ragwort *Jacobaea vulgaris*, Ox-eye Daisy *Leucanthemum vulgare*, Meadow Buttercup *Ranunculus acris*, and White Clover *Trifolium repens*.
- 3.26 The grasslands north of the M4 lack the requisite diversity and indicator species to be classified as the S41 Priority Habitat g3a Lowland Meadows under UKHab, and have not been managed historically as traditional hay meadows. However, they do represent good examples of semi-improved g3c Other Neutral Grassland on well-drained soils that have developed into a stable community following historic disturbance.
- 3.27 Some of the Other Neutral Grasslands with the suffix SS_ on **Maps 11.3.2a to 11.3.2d** fall within an area that has been legally secured for BNG measures associated with nearby consented planning applications. In these cases, Other Neutral Grassland is mapped as the committed 'future baseline'.

- 3.28 Neutral grasslands (including the sub-types described below) may support vegetation communities and/or plant species of conservation importance, as well as provide habitat for protected and notable fauna such as [REDACTED] birds, invertebrates and reptiles.

g3c5 Arrhenatherum Neutral Grassland

- 3.29 Scattered areas of *Arrhenatherum* Neutral Grassland can be found around the Site. These are associated with abandoned arable fields/corners which are now unmanaged and have been colonised by tall ruderal species such as False Oat Grass *Arrhenatherum elatius*, Yorkshire Fog, Creeping Bent *Agrostis stolonifera*, Creeping Thistle *Cirsium arvense*, Spear Thistle *Cirsium vulgare*, Common Ragwort, Burdock *Arctium* spp., Fleabane *Conyza* spp., Mugwort *Artemisia vulgaris* and Broadleaved Dock *Rumex obtusifolius*. This is a common and widespread habitat type in the lowlands.

g3c7 Deschampsia Neutral Grassland

- 3.30 A few areas of tussocky grassland dominated by Tufted Hair Grass *Deschampsia cespitosa* are present on both sides of the Loddon floodplain. The majority of these grasslands are ungrazed and rank, with robust species persisting among the *Deschampsia* such as Yorkshire Fog, Meadow Foxtail *Alopecurus pratensis*, Hairy Sedge *Carex hirta*, Water Mint *Mentha aquatica*, Comfrey *Symphytum officinalis* and Clustered Dock *Rumex conglomeratus*. This is a common and widespread component habitat type of floodplain mosaics.

g3c8 Holcus-Juncus Neutral Grassland

- 3.31 As with the *Deschampsia* grassland, a few areas of *Holcus-Juncus* Neutral Grassland are present within the overall Floodplain Wetland Mosaic on both sides of the Loddon. These grasslands are characterized by abundant Yorkshire Fog, Creeping Bent and Soft Rush *Juncus effusus*, often with frequent Hard Rush *Juncus inflexus* and Creeping Buttercup *Ranunculus repens*. This is also a common and widespread component habitat type of floodplain mosaics.

g4 Modified Grassland

- 3.32 Approximately 32% of the Site comprises Modified Grassland. This is divided broadly into two categories:
- High-input permanent pastures east of the Loddon, dominated by Rye-grass *Lolium* species; and
 - Low-input permanent pastures west of the Loddon, rarely dominated by a single grass species, but herb-poor.
- 3.33 The high-input pastures are managed for maximum productivity and are regularly sprayed off and re-sown. It is also likely that they are treated with fertiliser and/or herbicide.
- 3.34 The low-input pastures are grazed at a lower intensity and are not artificially fertilised, but their uniformity and lack of forbs indicate that they have been sown and treated with a broad-leaved herbicide in the past. They are typically dominated by one or more of Meadow Foxtail, Yorkshire Fog and Creeping Bent, with occasional Perennial Rye-grass, Timothy *Phleum pratense*, Common Couch *Elymus repens* and Rough-stalked Meadow Grass *Poa trivialis*. Forbs are generally limited to Creeping Thistle, Creeping Buttercup and Greater Plantain *Plantago major*.
- 3.35 Many of these grasslands are on the floodplain of the River Loddon. They do not meet the criteria for the definition of g3c Other Neutral Grassland under UKHab.

- 3.36 Modified grasslands are less likely than Neutral grasslands to support vegetation communities or plant species of conservation importance, but may provide habitat for protected and notable faunal species such as [REDACTED] and breeding/wintering birds. They are unlikely to be of significant value to invertebrates, however, due to their lack of species diversity.

Tall Forbs (Secondary Code 16)

- 3.37 Secondary code 16 is used with grassland habitats that have become dominated by rank competitive species such as Stinging Nettle *Urtica dioica*, Cleavers *Galium aparine*, Hedge Bindweed *Calystegia sepium*, Meadowsweet *Filipendula ulmaria*, Hemlock Water-dropwort *Oenanthe crocata* and Himalayan Balsam *Impatiens glandulifera*. Examples of this can be seen at EV17, NM06 and NM07c.

Ruderal/Ephemeral (Secondary Code 81)

- 3.38 Secondary code 81 is used with sparsely vegetated grassland habitats that have colonised bare ground within seasonally inundated hollows, such as NM07b and EV52a. These areas are typically dominated by a mixture of Creeping Bent, Marsh Foxtail *Alopecurus geniculatus*, Trifid Bur-marigold *Bidens tripartita*, Water-pepper *Persicaria hydropiper* and Marsh Cudweed *Gnaphalium uliginosum*.

Heathland and Shrub (including Hedgerows)

h2a5 Species-rich native hedgerows and h2a Native hedgerows (S41 Priority Habitat)

- 3.39 Over 90 hedgerows covering approximately 17km have been mapped within the Site, shown on **Maps 11.3.4e to 11.3.4h**. These range from species-poor roadside hedgerows (typically Hawthorn *Crataegus monogyna*) to species-rich native hedgerows with trees, sometimes associated with banks or ditches.
- 3.40 The majority of the hedgerows mark field boundaries and lanes, many of which are present on historic maps from the late 1800s. Their current condition varies and some have become sparse and gappy due to lack of management, but several include mature and/or veteran trees (see the separate Veteran Trees note). Others, notably east of the Loddon, are more modern straight-line hedgerows that are regularly flailed.
- 3.41 The most commonly recorded species within the hedgerows was Blackthorn *Prunus spinosa*, closely followed by Pedunculate Oak *Quercus robur*, Hawthorn and Ash *Fraxinus excelsior*. Willow *Salix spp.*, Elm *Ulmus spp.*, Rose *Rosa spp.* and Field Maple *Acer campestre* are also common.
- 3.42 Hedgerows labelled as SS_D on **Maps 11.3.2e to 11.3.2i** do not exist on the ground yet, but are to be planted in the future as part of the secured BNG measures for other consented developments in the area.
- 3.43 Hedgerows are a **Section 41 Priority habitat**. They provide habitat for a wide range of species of ecological importance and play a key role as ecological corridors, connecting different habitats and facilitating dispersal and movement between them.
- 3.44 Although their current condition varies, the networks of historic hedgerows are also an Important Ecological Feature in their own right due to their long continuity. Those considered 'historic' for are shown on **Map 11.3.5**, and often coincide with the location of veteran trees. These

hedgerows were identified with reference to historic maps, particularly the first edition 6 inch and 25 inch OS maps from the 1870/80s, and the Veteran Tree survey report.

h2b Non-native and ornamental hedgerows

- 3.45 One non-native hedgerow has been mapped within the Site and comprises young ornamental Cherry *Prunus* species. This hedgerow is of limited value to wildlife.

h3d Bramble Scrub

- 3.46 Small strips and patches of Bramble *Rubus fruticosus* scrub are scattered around the Site. This is a common and widespread habitat in the lowlands, which provides habitat and food for a range of species of ecological importance such as birds and small mammals.

h3h Mixed Scrub

- 3.47 Small patches of Mixed Scrub are scattered around the Site, often associated with outgrown hedgerows and unmanaged grasslands. Typical species include Hawthorn, Blackthorn, Elder *Sambucus nigra*, Dogwood *Cornus sanguinea* and Willow. As with Bramble, this is a common and widespread habitat in the lowlands, which provides habitat and food for a range of species of ecological importance.

h3j Willow Scrub

- 3.48 The wet woodland, ditch and swamp complex west of the Loddon includes some areas of Willow scrub fringing the ditches. These form part of the floodplain wetland mosaic (see 'Wetlands' below) which supports a range of species of ecological importance.

Rivers and Lakes

- 3.49 The Site is centred on the River Loddon, and the watercourses on its floodplain (mostly to the west) now consist of a complex network of spring-fed streams following natural shallow valleys between the 'islands' of brickearth and river terrace deposits (see **Figure 3.2**) which have been straightened and/or diverted; and man-made floodplain ditches, often historic, which would have been created in order to control water levels. The different types of watercourses and ditches are shown on **Map 11.3.6** and described below.

r1g Other Standing Water

- 3.50 Areas of open standing water within the Site are mapped under UKHab as Other Standing Water. The vast majority of these are ditches or ponds, described below under their associated Secondary Codes.

Ponds (Secondary Code 41)

- 3.51 Ponds are mapped under UKHab as r1g Other Standing Water, with the secondary code 40 for Section 41 Priority ponds or 41 for Non-Priority ponds.
- 3.52 Seven discrete waterbodies are present within the Site. These are mapped as Non-Priority Ponds, as they do not meet the criteria for a Priority Pond as defined by UKHab. Three are located in woodlands (P03, P08 and P12), are heavily shaded, and were almost dry when surveyed in spring. Two (both labelled P11) represent seasonal pools within wet woodland on the east bank. P07 is a seasonal pool within the floodplain grassland EV26, and P04 is a seasonal pool within the riparian willow scrub parcel EV18.

Ditches (Secondary Code 50)

3.53 Three main categories of “ditch” are present within the Site:

- a) Ditches associated with hedgerows and/or lines of trees, typically created when the hedgerow/treeline was planted. As per the UKHab definition, such ditches are considered to form part of that feature and are not mapped separately. These ditches are generally shallow and remain dry for much of the year;
- b) Natural watercourses issuing from springs or flushes that have been straightened and/or diverted to function as ditches. These features are mapped as r2b Other Rivers and Streams (see below) due to their natural origins; and
- c) Man-made floodplain ditches designed to carry water off the floodplain – mostly associated with the woodland complex west of the Loddon (e.g. around EV40 and EV43). These are mapped on **Map 11.3.6** as r1g with the Secondary Code 50 – Ditches.

3.54 Many of the latter floodplain ditches are shown on historic maps from the mid-1800s and are Important Ecological Features in their own right due to their long history and associated ecological continuity, though many are now unmanaged and either heavily shaded or choked with aquatic vegetation such as Reed Sweet Grass *Glyceria maxima* and Greater Pond Sedge *Carex riparia*. They are also a cultural feature, as they represent an old, long-abandoned pattern of land-use and management from times when the floodplain would have been managed as a productive resource (most likely as hay meadows).

r2a Rivers (S41 Priority Habitat)

3.55 The River Loddon bisects the Site and is mapped as a **S41 Priority habitat** as it supports the EU Habitat Directive Annex II and/or S41 species such as Otter *Lutra lutra*, European Eel *Anguilla anguilla*, Bullhead *Cottus globio* and Brown Trout *Salmo trutta*. It has been modified and straightened in the past, particularly where it passes under the M4 motorway, and in the area around the Sindlesham Mill north of the M4.

3.56 The Loddon provides habitat for a range of species of ecological importance. It also acts as a wildlife corridor, connecting the Site to the wider landscape. Further information on the River Loddon is provided in **Technical Appendix 11.4 River Corridor Survey**, and to avoid duplication the River Loddon itself is not considered further here.

r2b Other Rivers and Streams

3.57 Four other watercourses are present within the Site, described below.

Barkham Brook

3.58 Barkham Brook (D65) is a tributary of the River Loddon which originates off-site to the south-east, flows through the proposed development area and connects to the Loddon north of the M4. This watercourse has also been modified and straightened in the past, but is still recognisable as a flowing stream. Historically it joined the Loddon close to where the M4 is today, but has since been diverted northwards to pass under the motorway and connect to the river further to the north (D62).

3.59 Barkham Brook does not meet the criteria for a Priority River and is therefore mapped as Other Rivers and Streams. As with the River Loddon, it provides habitat for a range of wildlife and acts

as a wildlife corridor of long ecological continuity, and is an Important Ecological Feature in its own right for this reason.

“Oldhouse Stream”

- 3.60 This un-named watercourse (from west to east D57, D42, D44, D45, D52), coined “Oldhouse Stream” for the purposes of this report, is likely to be a modified stream that rises from a spring off-site to the west at Shinfield Grange before passing to the north of Oldhouse Farm and working its way north-east across the floodplain towards the western edge of Rushey Mead (EV54), eventually joining the Loddon to the north of the M4.
- 3.61 The course of this stream is shaped by the interface between the underlying alluvial and river terrace geological deposits, as shown on **Figure 3.2 and Map 11.3.6**. It has been straightened and modified over time, such that its component parts now resemble a series of ditches rather than a coherent flowing watercourse. It has also been altered by the construction of modern infrastructure such as the M4 motorway, the Shinfield Eastern Relief Road and development around Shinfield and the south of Reading.
- 3.62 Oldhouse Stream does not meet the criteria for a Priority River and is therefore mapped as Other Rivers and Streams. It plays a role in connecting the different floodplain habitats and provides ecological continuity, and as such is an Important Ecological Feature.

“Lourde’s Meadow Stream”

- 3.63 This un-named watercourse (from west to east D01, D03, D04, D05, D08, D20), coined “Lourde’s Meadow Stream” for the purposes of this report, is likely to be a modified stream that rises from a spring(s) off-site to the south before passing to the west of the historic Lourde’s Meadow (EV01, EV02) and modern Hall Farm Woodland Triangle (EV10, EV11) before feeding into the wet woodland, ditch and swamp complex to the west of the Loddon (EV40, EV43). Historically it then fed into the area that is now swamp at EV31a and crossed the narrow end of field EV26 to enter the Loddon, but the latter connection has since been filled in.
- 3.64 As with Oldhouse Farm stream, this watercourse takes the path of least resistance through the floodplain alluvium between localised shallow mounds of river terrace and brickearth deposits. It has also been straightened and modified over time, and now resembles a series of ditches – some of which are very wide with no perceptible flow (e.g. D08).
- 3.65 Lourde’s Meadow Stream does not meet the criteria for a Priority River and is therefore mapped as Other Rivers and Streams. It forms part of the complex and historic mosaic of habitats across the floodplain, and is therefore considered to be an Important Ecological feature together with Oldhouse Stream and the historic floodplain ditch network.

“Sindlesham Stream”

- 3.66 This unnamed watercourse (D61, D61b), coined the “Sindlesham Stream” for the purposes of this report, is present within the wider LGV allocation to the north of the M4, on the edge of the UoR land.
- 3.67 This stream has also been modified and straightened in the past. Historically, D61 and D61b were separate watercourses, but they have since been connected by a modern ditch (D61a).
- 3.68 D61 appears to be the remnant of a once much wider side channel of the Loddon, while D61b issues from a spring line along junction of the river terrace and alluvial deposits. This section

still follows its natural meandering path before passing under Mill Road and joining the Loddon, but water levels will have been affected by its artificial connection to D61 (and other modern ditches beyond) by ditch D61a. The original sections, however, are considered to be an Important Ecological feature together with Oldhouse Stream, Lourde's Meadow Stream and the historic floodplain ditch network.

Urban

u1 Built-up Areas and Gardens

- 3.69 Around 4% of the total Site area comprises urban habitat types, including u1b Developed Land, Sealed Surface (roads, lanes and buildings), u1c Artificial Unvegetated, Unsealed Surface (informal tracks), u1d Suburban Mosaic of Developed and Natural Features (houses, gardens and farmyards) and u1f Sparsely Vegetated Urban Land (yards with some ruderal vegetation).
- 3.70 Urban habitats can be of value for species of ecological importance, such as nesting birds, roosting bats and invertebrates.

Wetland

f2b Purple Moor-grass and Rush Pastures (S41 Priority Habitat)

- 3.71 Two areas of the **S41 Priority habitat** Purple Moor-grass and Rush Pasture are present within the Site:
- A small area (EV04b) that has developed over poorly-drained, recently disturbed ground west of the Loddon close to the Relief Road; and
 - A more extensive area on the floodplain east of the Loddon, between Loader's Copse and the M4 motorway (HF57).
- 3.72 Both are relatively poor examples of this habitat type, lacking many of the typical indicator species (discussed further in the Flora and Vegetation note (**Technical Appendix 11.5**)). However, they are differentiated from the g3c8 *Holcus-Juncus* Rush Pasture (see above) by the frequency of Jointed Rush *Juncus articulatus* and overall higher species diversity. These rush pastures also have a more varied sward structure than the g3c8 grasslands, and as such are of value to a range of species of ecological importance including birds, invertebrates, amphibians and reptiles. HF57 in particular was noted to support large numbers of solitary bee species in summer 2022.

f2e Reedbeds (S41 Priority Habitat)

- 3.73 Two small parcels of reedbed dominated by Common Reed *Phragmites australis* are present within the floodplain areas of the Site. One (EV42) forms part of the wet woodland/swamp/ditch complex to the west of the Loddon, and the other (HF44) comprises two separate small stands of Common Reed that have colonised an old ditch to the east of the river.
- 3.74 Reedbeds are a **S41 Priority habitat**. The examples at the Site are small, which limits their ability to support specialist reedbed species, but they form part of the diversity of habitats on the floodplain.

f2f Other Wetlands

- 3.75 Some of the wetland habitat parcels at the Site fall under the UKHab category Other Wetlands. These can be broadly divided into two categories:

- Swamps – uniform stands of vegetation dominated by a single species – in most cases this is either Greater Pond Sedge, Lesser Pond Sedge *Carex acutiformis*, Reed Sweet Grass or Reed Canary Grass *Phalaris arundinacea* (e.g. EV40, EV44 and HF45);
 - Areas dominated by tall wetland forbs (secondary code 16) such as Greater Willowherb *Epilobium hirsutum*, Meadowsweet, Hemlock Water-dropwort, Fleabane *Pulicaria dysenterica*, rushes *Juncus* spp., Clustered Dock, Common Comfrey and Stinging Nettle, often in riparian areas with scattered Willow scrub (e.g. EV19, HF61) or on the edge of damp grassland (e.g. HF48).
- 3.76 These wetland habitats are common and widespread components of lowland floodplains, but make an important contribution to the overall diversity of habitats within the floodplain wetland mosaic (see below), and are likely to support a range of species of ecological importance, including birds, invertebrates, amphibians and reptiles.
- Coastal and Floodplain Grazing Marsh (Secondary Code 19, Section 41 Priority Habitat) and Floodplain Wetland Mosaic (Secondary Code 55)*
- 3.77 A large proportion of the Site (mostly to the west of the Loddon, but also some to the east) has been mapped as its primary habitat type with the secondary codes 19 (Coastal and Floodplain Grazing Marsh (CFGM)) and 55 (Floodplain Wetland Mosaic (FWM)).
- 3.78 The CFGM secondary code has been applied to parcels and features where either:
- They are mapped as CFGM on the Priority Habitat Inventory and confirmed through ground-truthing by EPR (see paragraph 3.14); or
 - They are not mapped as CFGM on the PHI, but EPR's field survey work has found that they meet the UKHab definition for secondary code 19.
- 3.79 The CFGM areas of the Site cover the majority of the habitats within the Loddon floodplain, and comprise a mixture of Modified Grassland, various types of Other Neutral Grassland, Other Standing Water (i.e. ditches and ponds), Other Wetland (swamps and tall wetland forbs), and Purple Moor-grass and Rush Pasture.
- 3.80 CFGM is a **Section 41 Priority habitat** and is defined by UKHab as “periodically inundated pasture, or meadow with ditches which maintain the water levels” which “may contain seasonal water-filled hollows and permanent ponds with emergent swamp communities.” The Loddon floodplain within the Site is a good example of CFGM in this structural sense, although it does not support other features mentioned in the original S41 description, such as breeding wading birds, ditches that are rich in plant and invertebrate species, or extensive areas of semi-natural grassland with a high diversity of native plant species.
- 3.81 FWM is not in itself a Priority habitat, but it overlaps to a large extent with CFGM. It does, however, have a broader definition in UKHab which also includes wet woodland, reedbeds and wet heathland (the latter is not present at the Site). FWM is defined by UKHab as including both naturally functioning and modified floodplains, in terms of their hydrology.
- 3.82 The Loddon floodplain within the Site is a good example of FWM in the sense that it contains a diverse mixture of habitats and near-natural hydrological function (the ditches present are not maintained and there are no other artificial structures controlling water levels or movement).

However, a large proportion of its component habitat comprises herb-poor permanent pasture (mapped as Modified Grassland), limiting its ability to support species of ecological importance.

Woodland and Forest

w1d Wet Woodland (S41 Priority Habitat)

- 3.83 Several strips and fragments of wet woodland are present on the Loddon floodplain, dominated by a combination of Alder *Alnus glutinosa*, Crack Willow *Salix x fragilis* and Goat Willow *Salix caprea*. All are **S41 Priority Habitat** of varying age and quality. The wet woodlands have either developed naturally over abandoned floodplain meadows (e.g. EV11, EV43, NM05), or have spread out from lines of riparian trees and scrub (e.g. HF41a).
- 3.84 The S41 definition encompasses a range of wet woodland types, from relatively uncommon and species-rich stands (in terms of their ground flora) with a diverse range of forbs, sedges, and/or bryophytes, to species-poor stands with a ground layer dominated by nutrient-loving species such as Stinging Nettle, Cleavers and Rough Meadow-grass. The wet woodlands at the Site fall into the latter category.
- 3.85 Although species-poor, these woodlands contribute to the diversity of the landscape and provide habitat for other important ecological features, such as amphibians, birds and invertebrates.

w1f7 Other Lowland Mixed Deciduous Woodland (S41 Priority Habitat)

- 3.86 Lowland Mixed Deciduous Woodland (LMDW) is a **S41 Priority Habitat** covering a range of woodland types, from species-rich ancient semi-natural woodlands with a varied structure, to more recent secondary woodlands that have developed as a result of natural succession on abandoned grasslands or arable land. Historically, woodlands were an important resource and many would have been actively worked through traditional techniques such as coppicing, but have now become unmanaged and/or are used for rearing game birds.
- 3.87 The areas of LMDW at the Site are typically dominated either Oak or Ash in the canopy over an understorey of Hawthorn, Blackthorn, Field Maple, Elm and/or Hazel *Corylus avellana*. Some are listed on the Provisional Ancient Woodland Inventory (see **Section 3**) and have a species-rich ground flora including Bluebell *Hyacinthoides non-scripta*, Wood Anemone *Anemone nemorosa*, Pignut *Conopodium majus* and Moschatel *Adoxa moschatellina*, while others are dominated by species such as Dog's Mercury *Mercurialis perennis*, Ground Ivy *Glechoma hederacea*, Hedge Garlic *Alliaria petiolata*, Rough Meadow-grass, nettles and brambles. The larger areas of woodland are described below:

West of the Loddon

- St John's Copse (IV18): An area of PAW on brickearth (clay, silt and sand) deposits above the floodplain with a canopy dominated by Oak, Alder and Poplar *Populus cultivars* plus occasional Douglas Fir *Pseudotsuga menziesii* and Norway Spruce *Picea abies*. Past evidence of coppicing and Pheasant rearing. Several ancient woodland indicator species present (see Flora and Vegetation note);
- Rushey Mead (EV54): Secondary Oak/Ash woodland on a localised area of gravel deposits on the floodplain; developed over long-abandoned arable land. The majority of this woodland is present on historic maps from the late 1800s; and

- “Watercut” (EV31): Secondary Oak/Ash woodland on a localised area of gravel deposits on the floodplain; developed over long-abandoned arable land. Younger than Rushey Mead – appears as scrub on historic maps from the late 1800s.

East of the Loddon

- The Gorse/Newbury’s Copse (HF41): small area of PAW near CEDAR. Appears as “brushwood” and “gorse” on maps from the late 1800s. Likely to be secondary woodland, dominated by Oak, Ash and Hazel;
- Brick Kiln Copse (HF18): small area of PAW on the southern boundary between Church Lane and Cartersmill Lane. Wooded on historic maps but likely to have been replanted. Predominantly Ash, Oak, Wild Cherry *Prunus avium* and Aspen *Populus tremula* over Yew *Taxus baccata*, Hazel, Holly *Ilex aquifolium* and the non-native Cherry Laurel; and
- Loader’s Copse (HF59): PAW on the edge of the floodplain close to the M4 motorway. Derelict Ash/Maple/Hazel coppice with several ancient woodland indicators in the ground flora, but dense Bracken *Pteridium aquilinum* and nettles have invaded the south-eastern edge. A flush in the centre is dominated by Greater Pond Sedge; and
- “Loader’s Piddle” (HF53): a late Victorian plantation on ex arable/pastureland near to Loader’s Copse. Shown as mixed plantation on maps from the late 1800s but no conifers are present today, and the woodland has not been harvested in some time. The south-western boundary is marked by a large bank with veteran trees. Mainly derelict Ash and Hazel coppice stools with Elm over Hawthorn, bramble, nettles, Dog’s Mercury and Bluebells.

- 3.88 These woodlands provide habitat for a wide range of species including birds, bats, [REDACTED] and invertebrates, and some support important vegetation and flora. The older woodlands provide ecological continuity in the landscape.

w1g Other Broadleaved Woodland

- 3.89 Several small areas of woodland around the Site are plantations, mostly of post-war origin. Those which are primarily broadleaved species are mapped as Other Broadleaved Woodland, while those with a larger proportion of conifers are mapped as Other Mixed Woodland (below).
- 3.90 The main areas of Other Broadleaved Woodland are:

West of the Loddon

- New Covert (IV25): plantation dating from around the 1920s on former arable, close to St John’s Copse. Primarily Oak and Ash with occasional conifers over dense leaf litter, nettles and brambles; and
- Hall Farm Woodland Triangle (part) (EV10): the largest block within the Hall Farm Woodland Triangle complex. This parcel is a post-war plantation on ex-arable, mostly Ash with some conifers over Hazel, Hawthorn and Holly.

East of the Loddon

- HF01a: crowded, leggy tree belt on the southern boundary providing screening to the Arborfield road.

- 3.91 Areas of more recent woodland planting, such as the shelterbelt along the M4 corridor, are also mapped as Other Broadleaved Woodland.

w1h Other Mixed Woodland

- 3.92 Planted woodlands with a higher proportion of conifer species (at least 20%) are mapped as Other Mixed Woodland. At the Site, these are limited to several small parcels associated with the historic Arborfield Hall complex to the east of the Loddon (HF14).

Lines of Trees (Secondary Codes 33 and 34)

- 3.93 Lines of trees are defined in UKHab as being at least 20m long and at less than 5m wide at the base, with a canopy base over 2m in height and open habitat on each side. If a shrub layer is present underneath the trees, this should be less than 20m long (otherwise the feature is classified under secondary code 11, Hedgerow with Trees).
- 3.94 Lines of trees are mapped under UKHab as woodland, with the secondary code 33 or 34 (the latter for 'Ecologically Valuable' lines of trees, which include at least one mature, veteran or ancient tree per 30m length). In total, 18 Lines of Trees and 15 Ecologically Valuable Lines of Trees have been mapped across the Site, as shown on **Maps 11.3.4e to 11.3.4h**.
- 3.95 The tree lines around the Site range from planted rows of ornamental trees (such as Horse Chestnut *Aesculus hippocastanum* and Lombardy Poplar *Populus nigra var. Italica*) along the former Arborfield Hall lanes east of the Loddon, to rows of mature Ash pollards on the floodplain and Oaks on higher ground to the west, often associated with old field boundaries and/or green lanes in which the shrub layer has not been maintained and has disintegrated over time to leave a row of individual trees.
- 3.96 Several of the tree lines include veteran trees, particularly those west of the Loddon. They represent historic field patterns and have considerable ecological continuity, making them of value as landscape features and habitat for species of ecological importance such as birds, bats and invertebrates. Together with the historic hedgerows, these tree lines are an Important Ecological Feature due to their long continuity. Those considered 'historic' for the purposes of a future Ecological Impact Assessment are shown on **Map 11.3.5**, and often coincide with the location of veteran trees.

4. EVALUATION

Important Ecological Features

- 4.1 The habitats identified as “important ecological features” in **Section 3** are subject to Ecological Impact Assessment in Chapter 11: Biodiversity. They are shown collectively on **Map 11.3.7** and their relative geographic importance is assessed below where appropriate (as discussed in **Section 2**, the evaluation of most habitats for the purposes of the EclA is determined by their component flora and vegetation).

Provisional Ancient Woodland

- 4.2 The ecological importance of the PAWIs at the Site varies according to the flora and vegetation they support, and is discussed in Technical Appendix 11.5 Flora and Vegetation.
- 4.3 All PAWIs, regardless of their geographic level of importance, are afforded considerable weight under both the NPPF and local planning policy.

Section 41 Habitats

Coastal and Floodplain Grazing Marsh

- 4.4 Reference is made to the Local Wildlife Sites Selection Criteria for Berkshire (TVERC/BMERC, 2024) for the evaluation of this habitat type, which the Criteria describe as “not a specific habitat but is a landscape type which supports a variety of habitats; the defining features being hydrological and topographical rather than botanical.”
- 4.5 The areas of FWM/CFGM at the Site would be eligible for consideration as a Berkshire Local Wildlife Site (LWS) on account of their S41 Priority Habitat status (criterion 2), collective size (criterion 3) and function as a wildlife corridor (criterion 5). They are therefore considered to be of **County** level importance.

Hedgerows

- 4.6 The LWS Selection Criteria (TVERC/BMERC, 2024) note that hedgerows generally do not qualify in their own right as Local Wildlife Sites. Usually, therefore they would not in themselves be a habitat type that is of any more than Local-level importance.
- 4.7 However, in this case the historic networks of hedgerows and lines of trees at the Site are considered to be of **County** level importance. This is due to the fact that their layout remains largely unchanged since at least the late 1800s, and they therefore represent considerable ecological continuity, as well as being relicts of an historic pattern of land use that has been lost from much of the lowlands due to urban sprawl and agricultural intensification.

Other Section 41 Habitats

- 4.8 The relative ecological importance of the other S41 habitats identified in this Appendix (Lowland Mixed Deciduous Woodland, Wet Woodland, Purple Moor-grass and Rush Pastures and Reedbeds) is determined by their component vegetation and flora, discussed in Technical Appendix 11.5 Flora and Vegetation.
- 4.9 All S41 habitats, regardless of their geographic level of importance, are afforded weight under local planning policy.

Historic Floodplain Ditches and Modified Watercourses

- 4.10 Similar to the historic hedgerows and tree-lines, the network of old floodplain ditches and modified watercourses at the Site (mostly west of the Loddon, but also including the Barkham Brook) are considered to be of **County** level importance, due to their considerable ecological continuity and their value as a cultural/landscape feature.

Table 4.2. Evaluation Summary: Important Ecological Features (Habitats)

Habitat/Feature	Name/Location	Geographic Importance	Reason
Provisional Ancient Woodland	Scattered around/adjacent to the Site	Mixture of Local and County – see Technical Appendix 11.5 Flora & Vegetation	
<u>Section 41 Habitats:</u> CFGM	Throughout the Site	County	Meets the criteria for LWS selection
<u>Section 41 Habitats:</u> Hedgerows and tree lines (historic)	Throughout the Site	County	Ecological continuity, connectivity, wildlife resource.
<u>Section 41 Habitats:</u> Hedgerows (non-historic)	Throughout the Site	Local	Do not meet the criteria for LWS selection, but are an important resource for wildlife
<u>Section 41 Habitats:</u> Rivers	River Loddon	See Technical Appendix 11.4 River Corridor Survey	
<u>Section 41 Habitats:</u> Lowland Mixed Deciduous Woodland Purple Moor Grass and Rush Pastures Reedbeds Wet Woodland	Throughout the Site	Mixture of Local and County – see Technical Appendix 11.5 Flora & Vegetation	
Historic floodplain ditches and modified watercourses, including the Barkham Brook	West of the Loddon	County	Ecological continuity, landscape/cultural interest

Other Features

- 4.11 **Table 4.3** sets out a summary evaluation of the remaining habitats discussed in **Section 3**.

Table 4.2. Evaluation Summary: Other Features (Habitats)

Habitat/Feature	Name/Location	Geographic Importance	Reason
c1 Croplands	Mostly east of the Loddon	Within the Zone of Influence	Of limited value to wildlife
g3 Neutral grasslands g4 Modified grasslands 16 Tall forbs 81 Ruderal/ephemeral	Throughout the Site	Mixture of within the Zone of Influence and Local – see Technical Appendix 11.5 Flora and Vegetation	

h2b Non-native and ornamental hedgerows	One ornamental cherry hedgerow east of the Loddon	Within the Zone of Influence	Of limited value to wildlife
h3 Scrub	Throughout the Site	Within the Zone of Influence – see Technical Appendix 11.5 Flora and Vegetation	
r1g~41 Non-Priority Ponds	Mostly within woodlands and scrub on the floodplain	Within the Zone of Influence	Of limited value to wildlife/captured within evaluation of surrounding habitat
u1 Urban	Mainly around Hall Farm and CEDAR	Within the Zone of Influence	Of limited value to wildlife
f2f Other wetlands	Swamps and tall forbs throughout the floodplain	Mixture of Within the Zone of Influence and Local – see Technical Appendix 11.5 Flora and Vegetation	
w1g Other broadleaved woodland w1f Other mixed woodland	Small parcels of plantation woodland and tree belts scattered around the Site	Within the Zone of Influence – see Technical Appendix 11.5 Flora and Vegetation	

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MAPS

- Map 11.3.1** Survey Area
- Map 11.3.2a** Area Habitat IDs (south-west)
- Map 11.3.2b** Area Habitat IDs (south-east)
- Map 11.3.2c** Area Habitat IDs (north-west)
- Map 11.3.2d** Area Habitat IDs (north-east)
- Map 11.3.2e** Linear Habitat IDs (south-west)
- Map 11.3.2f** Linear Habitat IDs (south-east)
- Map 11.3.2g** Linear Habitat IDs (north-west)
- Map 11.3.2h** Linear Habitat IDs (north-east)
- Map 11.3.2i** Watercourse Habitat IDs
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- Map 11.3.4a** UK Habitat Classification: Area Habitats (south-west)
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- Map 11.3.5** Historic Hedgerows and Lines of Trees
- Map 11.3.6** UK Habitat Classification: Watercourses
- Map 11.3.7** Important Ecological Features: Habitats



MAP 11.3.1 Site Boundary

KEY

Site boundary

SCALE: 1:11,000 at A3

0100200300400500 Metres



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PROJECT: Loddon Garden Village

DATE: 31 July 2025



MAP 11.3.2b Area Habitat IDs (South-East)

KEY

 Site boundary

SCALE: 1:5,500 at A3

0 100 200 300 400
Metres



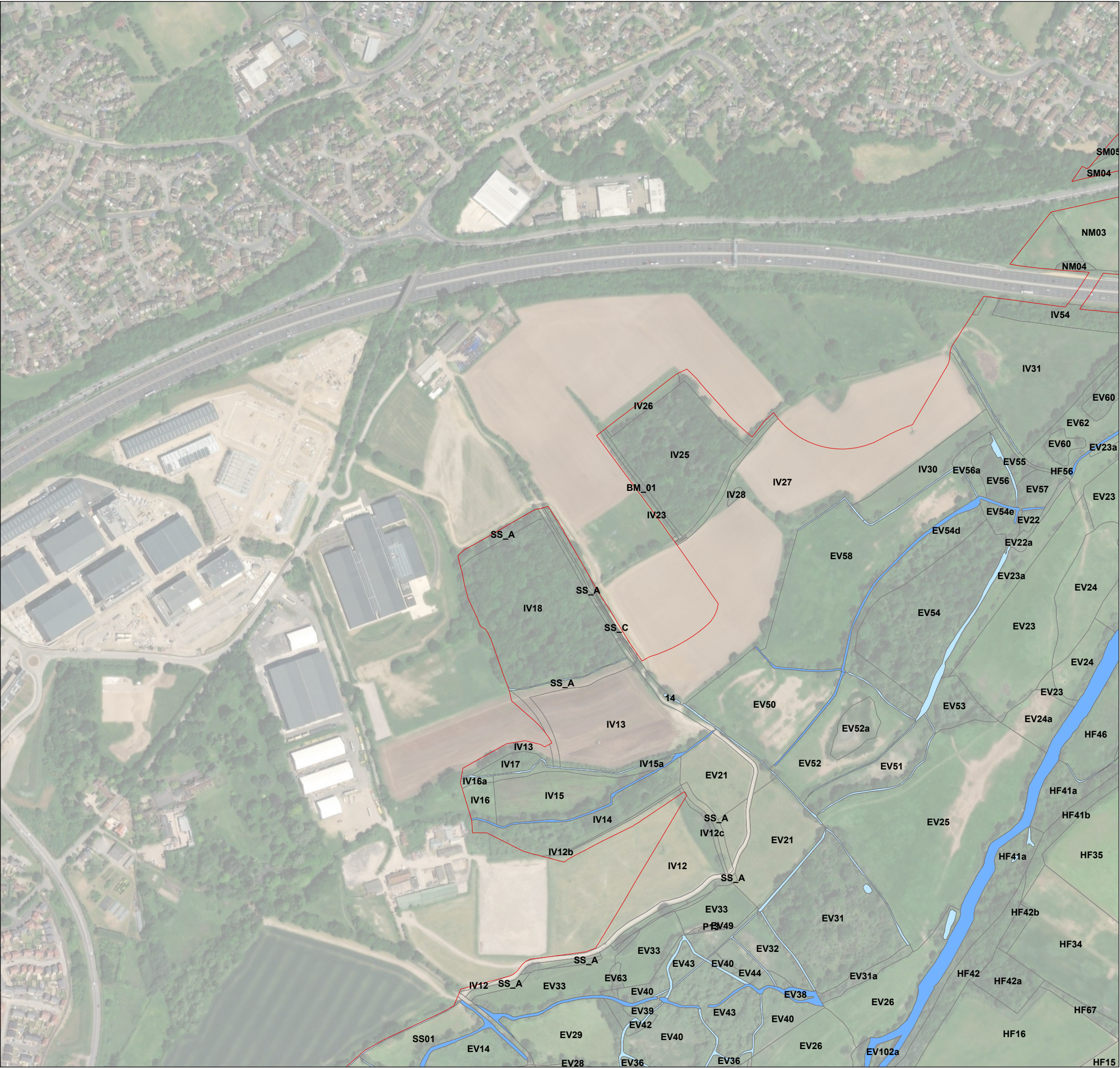
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DATE: 31 July 2025

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Aerial Image Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



MAP 11.3.2c Area Habitat IDs (North-West)

KEY
Site boundary

SCALE: 1:5,500 at A3
0 100 200 300 400 Metres



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DATE: 31 July 2025



MAP 11.3.2d Area Habitat IDs (North-East)

KEY
Site boundary

SCALE: 1:5,500 at A3
0 100 200 300 400 Metres



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PROJECT: Loddon Garden Village
DATE: 31 July 2025



MAP 11.3.2e Linear Habitat IDs (South-West)

KEY
 Site boundary


SCALE: 1:5,500 at A3
0 100 200 300 400 Metres



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DATE: 01 August 2025



MAP 11.3.2f Linear Habitat IDs (South-East)

KEY
 Site boundary

SCALE: 1:5,500 at A3
0 100 200 300 400 Metres



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DATE: 31 July 2025



MAP 11.3.2g Linear Habitat IDs (North-West)

KEY

 Site boundary

SCALE: 1:5,500 at A3

0 100 200 300 400 Metres

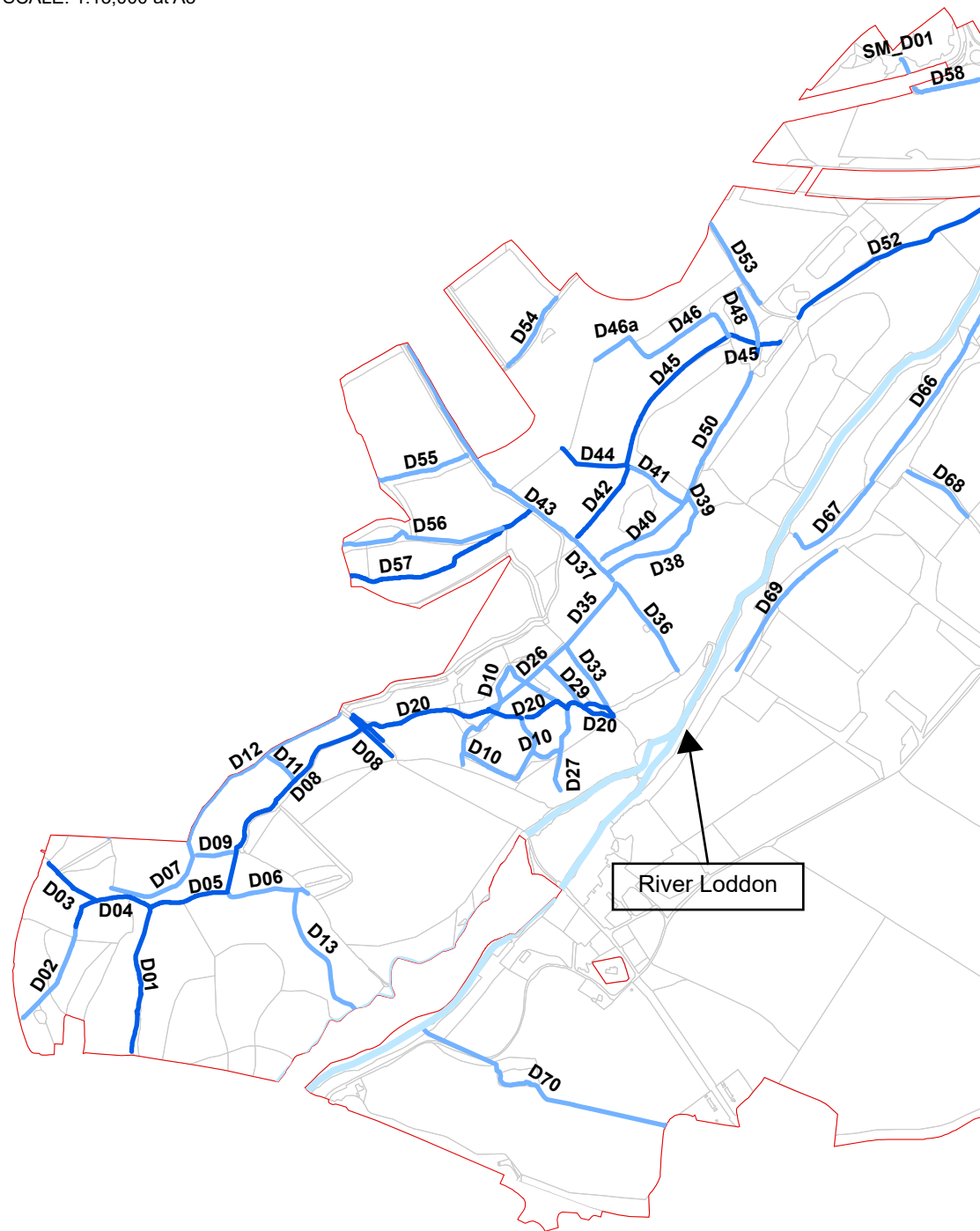


CLIENT: University of Reading

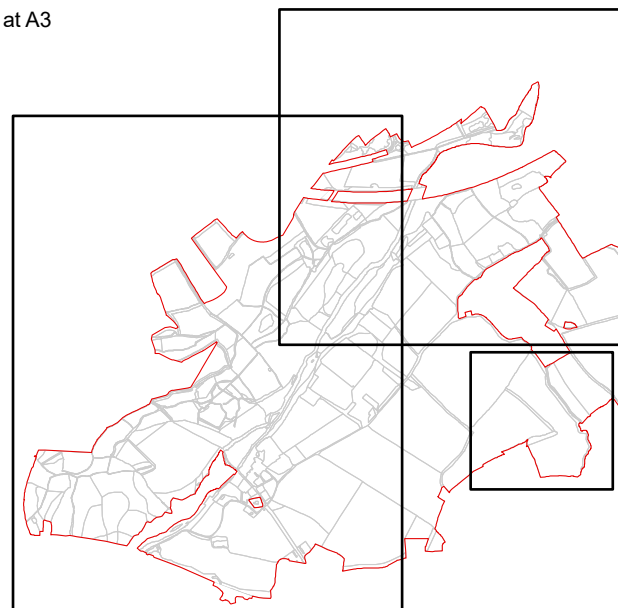
PROJECT: Loddon Garden Village

DATE: 01 August 2025

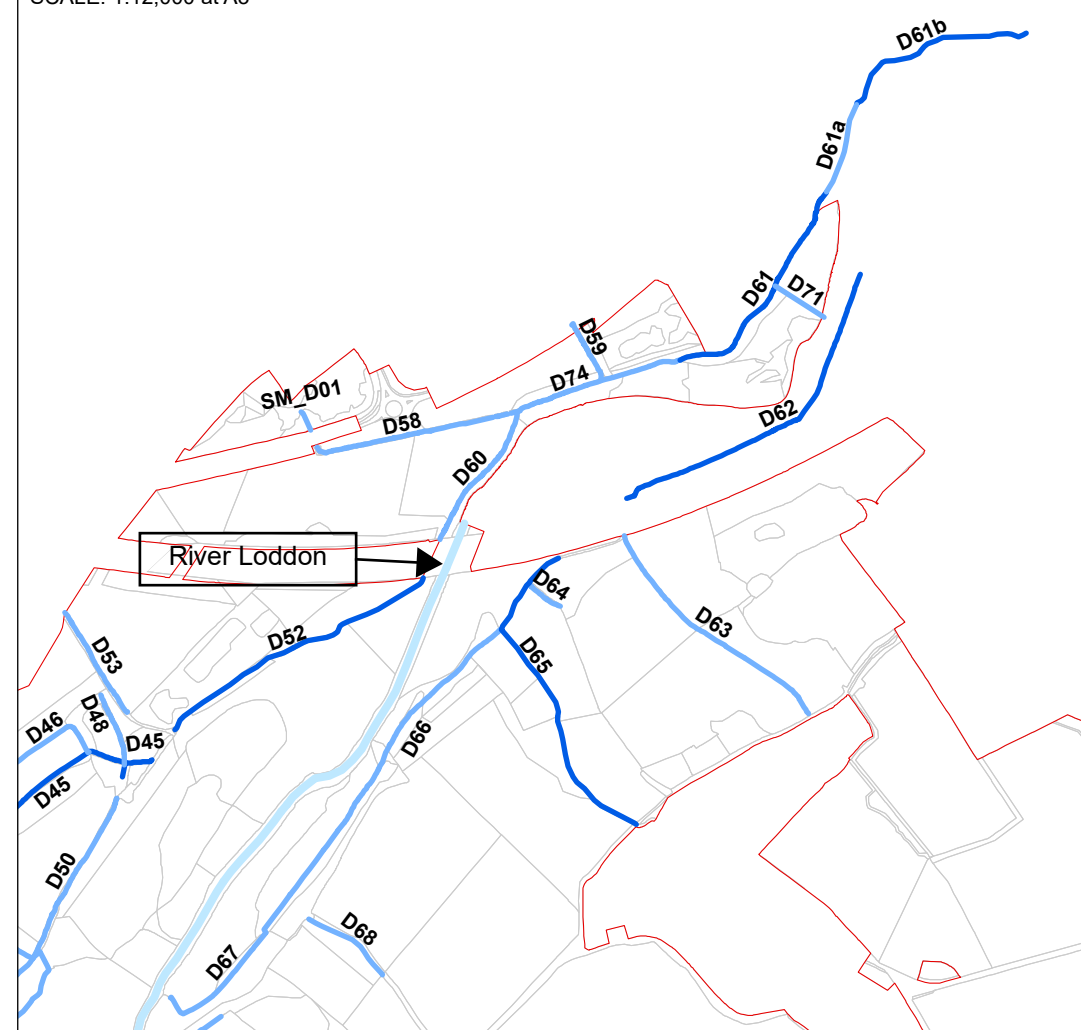
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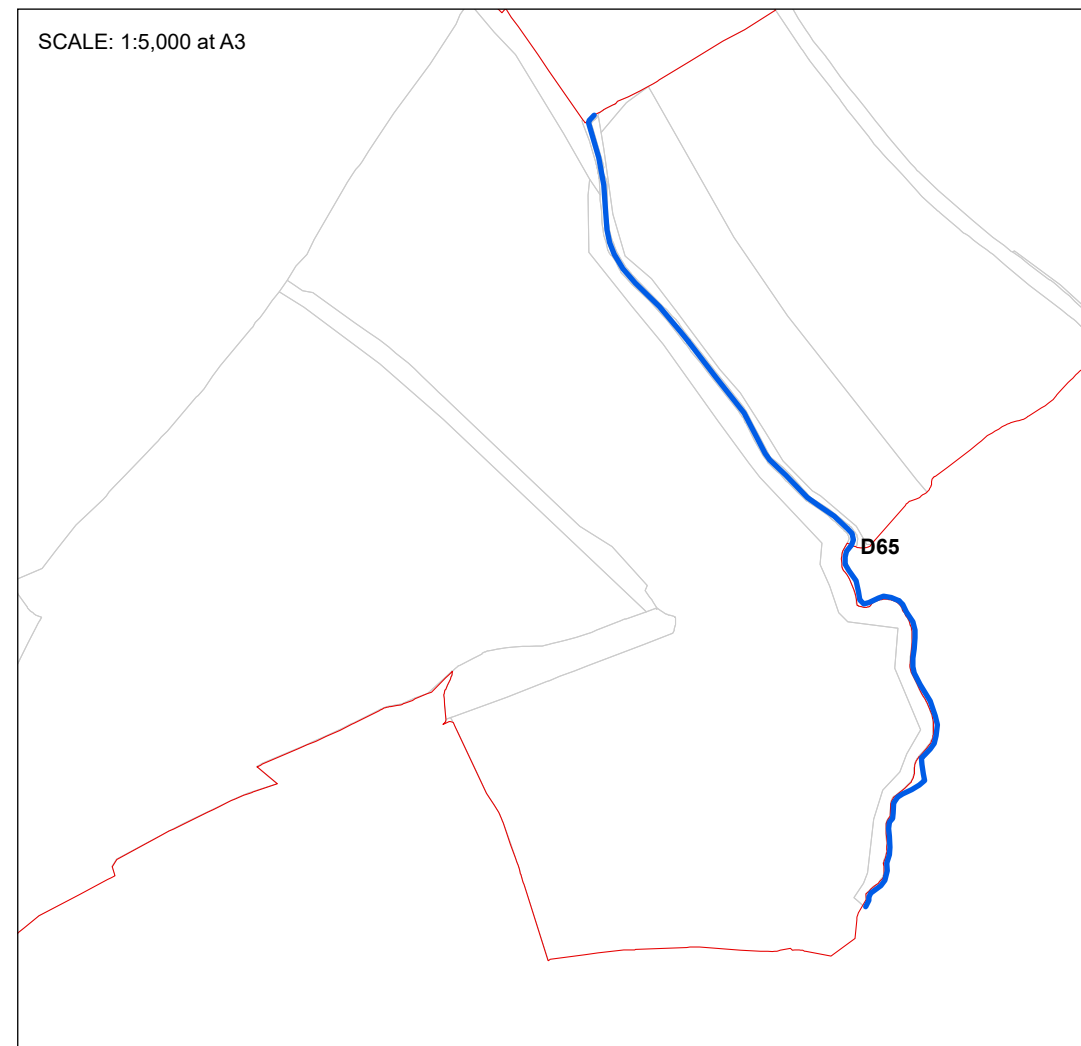
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SCALE: 1:12,000 at A3



SCALE: 1:5,000 at A3



MAP 11.3.2i Watercourse Habitat IDs

KEY

Site boundary

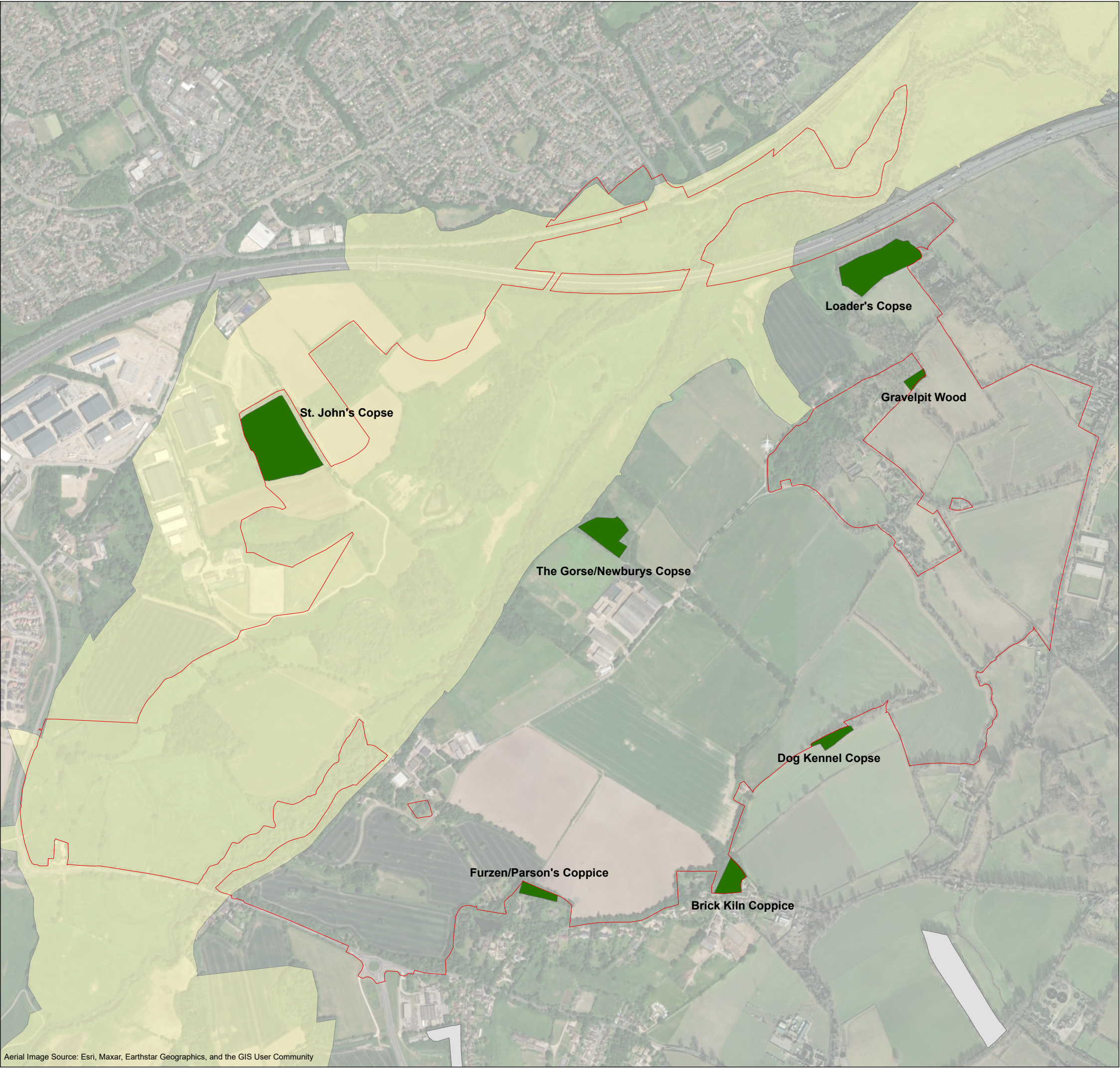


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Aerial Image Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

MAP 11.3.3 Provisional Ancient Woodland and Biodiversity Opportunity Areas

- KEY
- Site boundary
 - Loddon Valley South Biodiversity Opportunity Area
 - Provisional Ancient Woodland
 - Off-site - not referred to in report

SCALE: 1:11,000 at A3

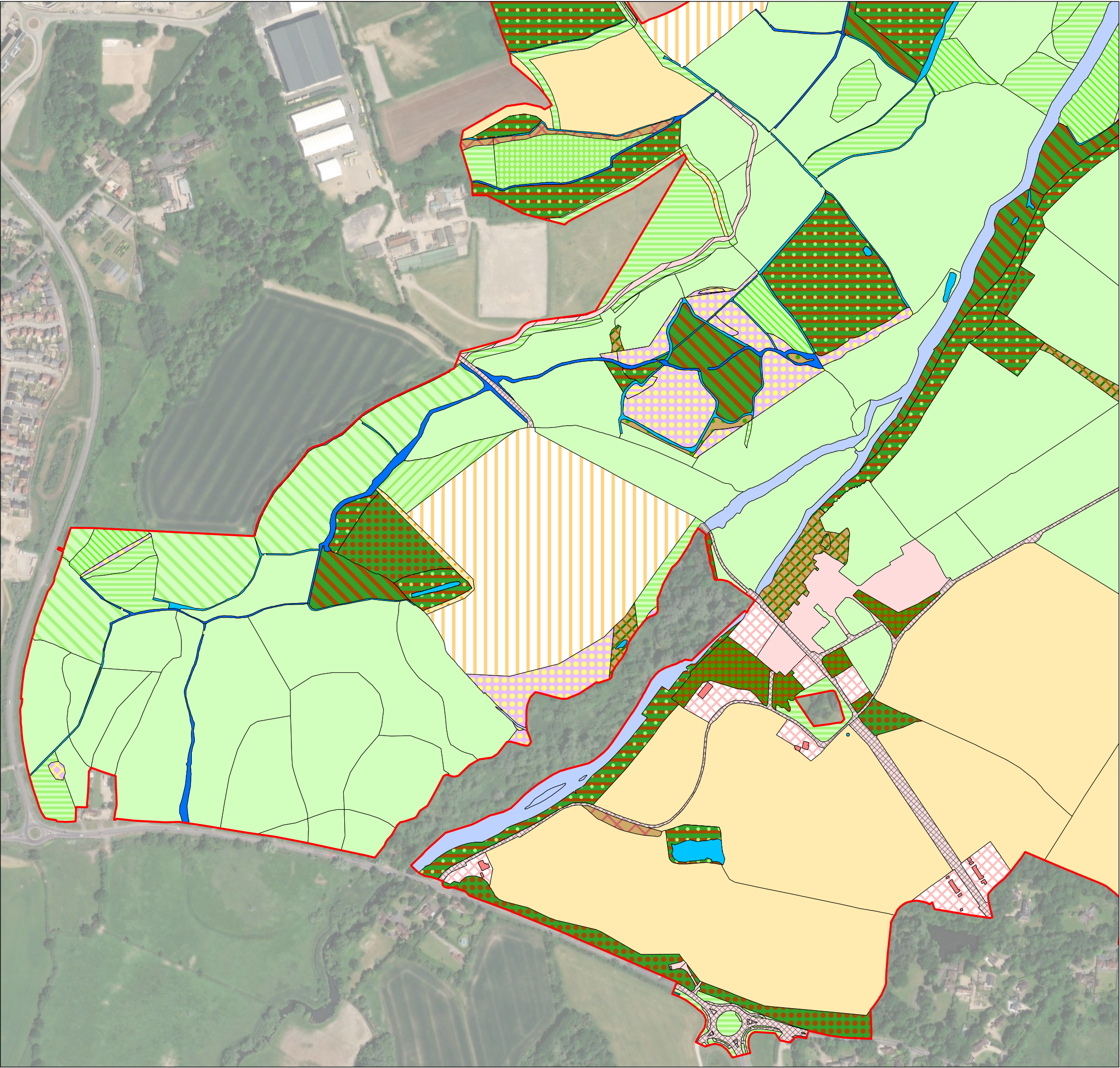
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DATE: 31 July 2025



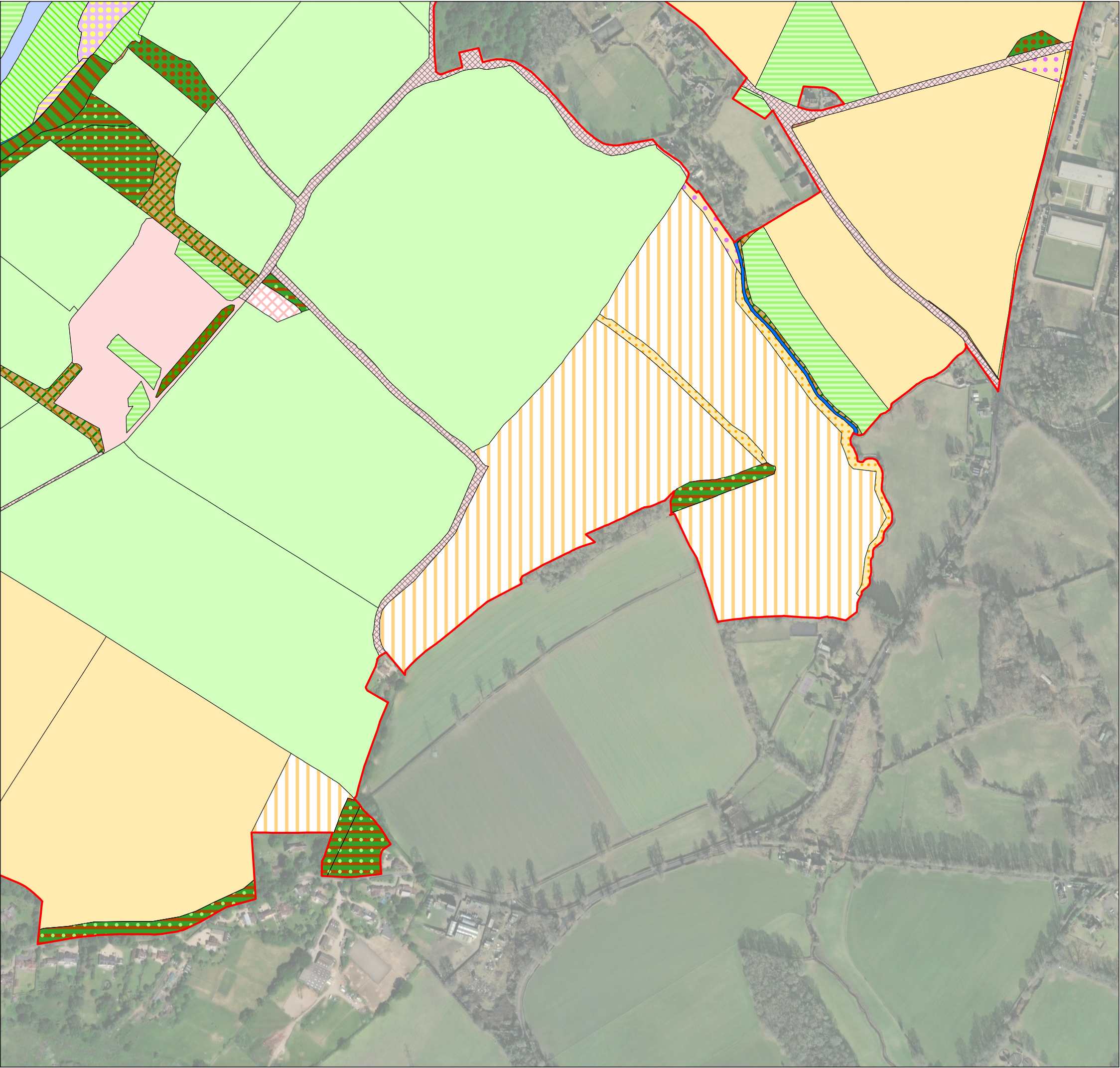
MAP 11.3.4a UK Habitat Classification:
Area Habitats (South-West)

- KEY
- Site boundary
 - c1a5 - Arable field margins – tussocky
 - c1b - Temporary grass and clover leys
 - c1c - Cereal crops
 - f2b - Purple moor-grass and rush pastures
 - f2e - Reedbeds
 - f2f - Other wetlands
 - g3a - Lowland meadows
 - g3c - Other neutral grassland
 - g3c5 - Arrhenatherum neutral grassland
 - g3c7 - Deschampsia neutral grassland
 - g3c8 - Holcus-Juncus neutral grassland
 - g4 - Modified grassland
 - h3d - Bramble scrub
 - h3h - Mixed scrub
 - h3j - Willow scrub
 - r1g - Other standing water
 - r2a - Rivers (priority habitat)
 - r2b - Other rivers and streams
 - u1 - Built-up areas and gardens
 - u1b - Developed land, sealed surface
 - u1b5 - Buildings
 - u1b6 - Other developed land
 - u1c - Artificial unvegetated, unsealed surface
 - w1d - Wet woodland
 - w1f - Lowland mixed deciduous woodland
 - w1f7 - Other lowland mixed deciduous woodland
 - w1g - Other broadleaved woodland
 - w1h - Other woodland, mixed

SCALE: 1:5,500 at A3
Metres
0 100 200 300 400



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MAP 11.3.4b UK Habitat Classification:
Area Habitats (South-East)

- KEY
- Site boundary
 - c1a5 - Arable field margins – tussocky
 - c1a6 - Arable field margins – pollen and nectar
 - c1b - Temporary grass and clover leys
 - c1c - Cereal crops
 - f2e - Reedbeds
 - f2f - Other wetlands
 - g3c - Other neutral grassland
 - g3c7 - Deschampsia neutral grassland
 - g4 - Modified grassland
 - h3d - Bramble scrub
 - h3h - Mixed scrub
 - r1g - Other standing water
 - r2a - Rivers (priority habitat)
 - r2b - Other rivers and streams
 - u1 - Built-up areas and gardens
 - u1b - Developed land, sealed surface
 - u1b6 - Other developed land
 - w1d - Wet woodland
 - w1f7 - Other lowland mixed deciduous woodland
 - w1g - Other broadleaved woodland
 - w1h - Other woodland, mixed

SCALE: 1:5,500 at A3

Metres

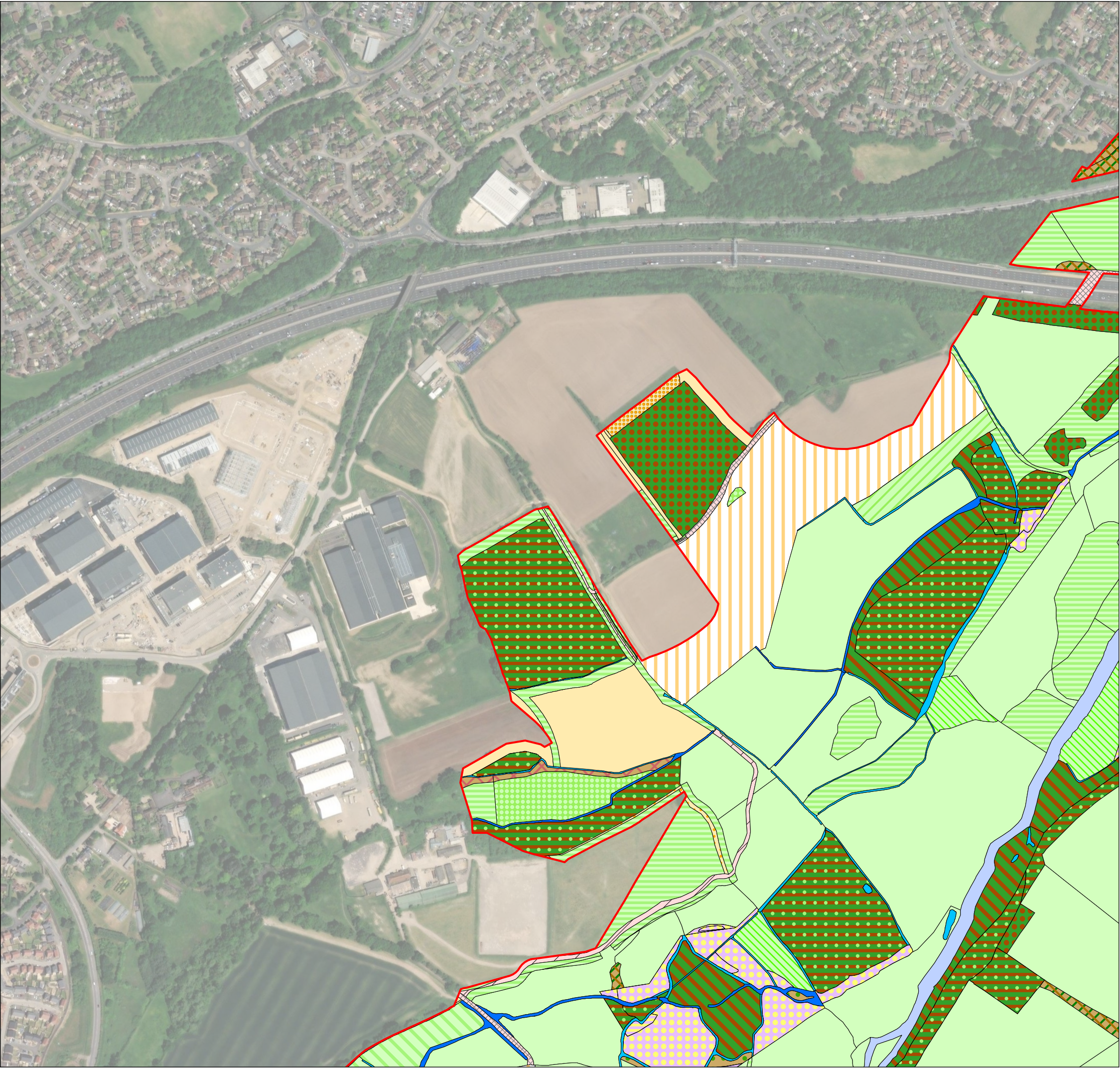
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DATE: 31 July 2025



MAP 11.3.4c UK Habitat Classification:
Area Habitats (North-West)

- KEY
- Site boundary
 - c1a - Arable field margins
 - c1a5 - Arable field margins – tussocky
 - c1b - Temporary grass and clover leys
 - c1c - Cereal crops
 - f2e - Reedbeds
 - f2f - Other wetlands
 - g3a - Lowland meadows
 - g3c - Other neutral grassland
 - g3c5 - Arrhenatherum neutral grassland
 - g3c7 - Deschampsia neutral grassland
 - g3c8 - Holcus-Juncus neutral grassland
 - g4 - Modified grassland
 - h3a6 - Other blackthorn scrub
 - h3d - Bramble scrub
 - h3h - Mixed scrub
 - h3j - Willow scrub
 - r1g - Other standing water
 - r2a - Rivers (priority habitat)
 - r2b - Other rivers and streams
 - u1b - Developed land, sealed surface
 - u1b6 - Other developed land
 - u1c - Artificial unvegetated, unsealed surface
 - w1d - Wet woodland
 - w1f7 - Other lowland mixed deciduous woodland
 - w1g - Other broadleaved woodland

SCALE: 1:5,500 at A3

Metres

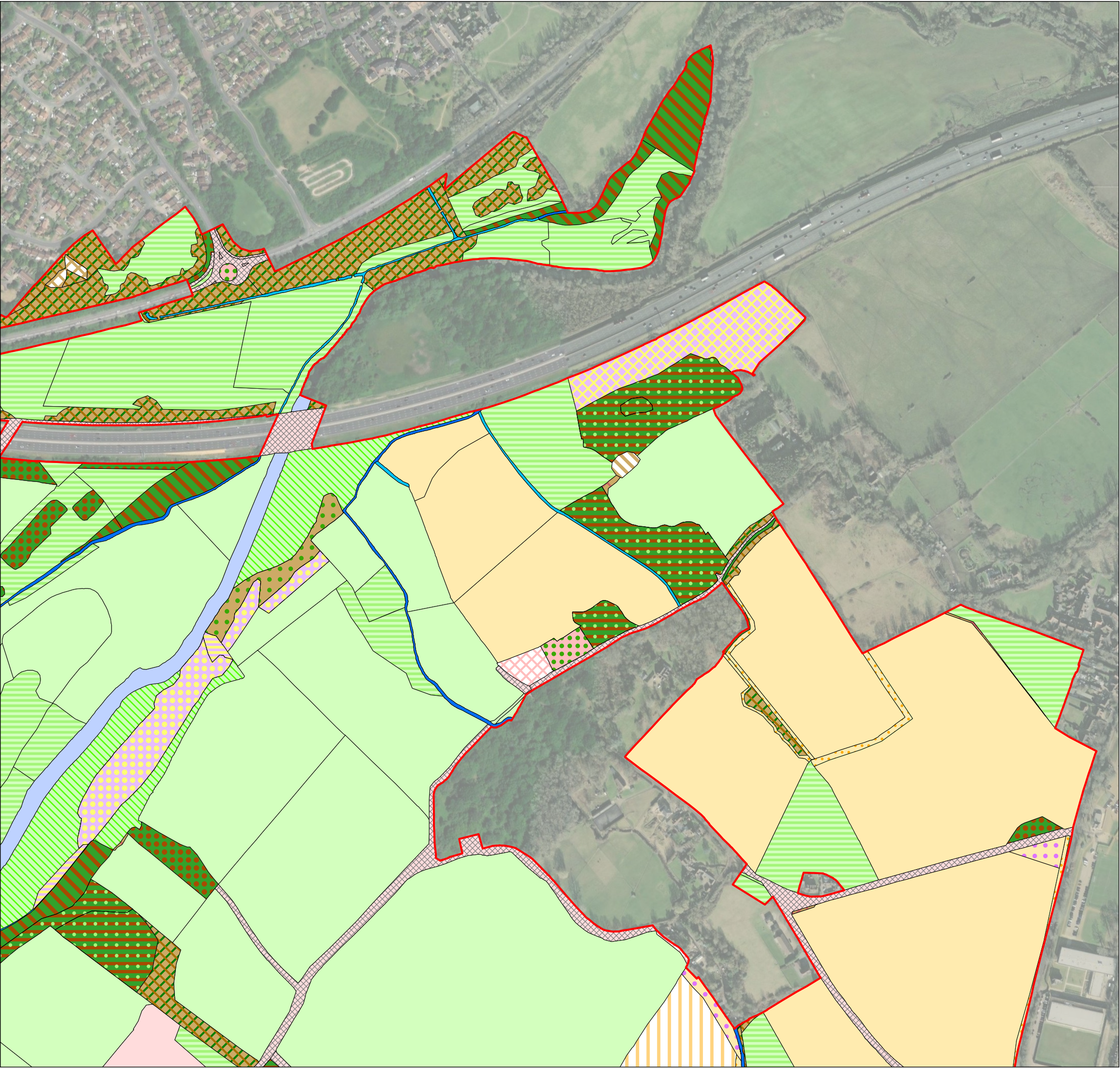
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DATE: 31 July 2025



MAP 11.3.4d UK Habitat Classification:
Area Habitats (North-East)

- KEY
- Site boundary
 - c1a5 - Arable field margins – tussocky
 - c1a6 - Arable field margins – pollen and nectar
 - c1b - Temporary grass and clover leys
 - c1c - Cereal crops
 - f2b - Purple moor-grass and rush pastures
 - f2e - Reedbeds
 - f2f - Other wetlands
 - g3c - Other neutral grassland
 - g3c7 - Deschampsia neutral grassland
 - g4 - Modified grassland
 - h3 - Dense scrub
 - h3a - Blackthorn scrub
 - h3d - Bramble scrub
 - h3h - Mixed scrub
 - h3j - Willow scrub
 - r1 - Standing open water and canals
 - r1g - Other standing water
 - r2a - Rivers (priority habitat)
 - r2b - Other rivers and streams
 - u1 - Built-up areas and gardens
 - u1b - Developed land, sealed surface
 - u1b6 - Other developed land
 - u1f - Sparsely vegetated urban land
 - w - Woodland and forest
 - w1d - Wet woodland
 - w1f7 - Other lowland mixed deciduous woodland
 - w1g - Other broadleaved woodland

SCALE: 1:5,500 at A3

Metres

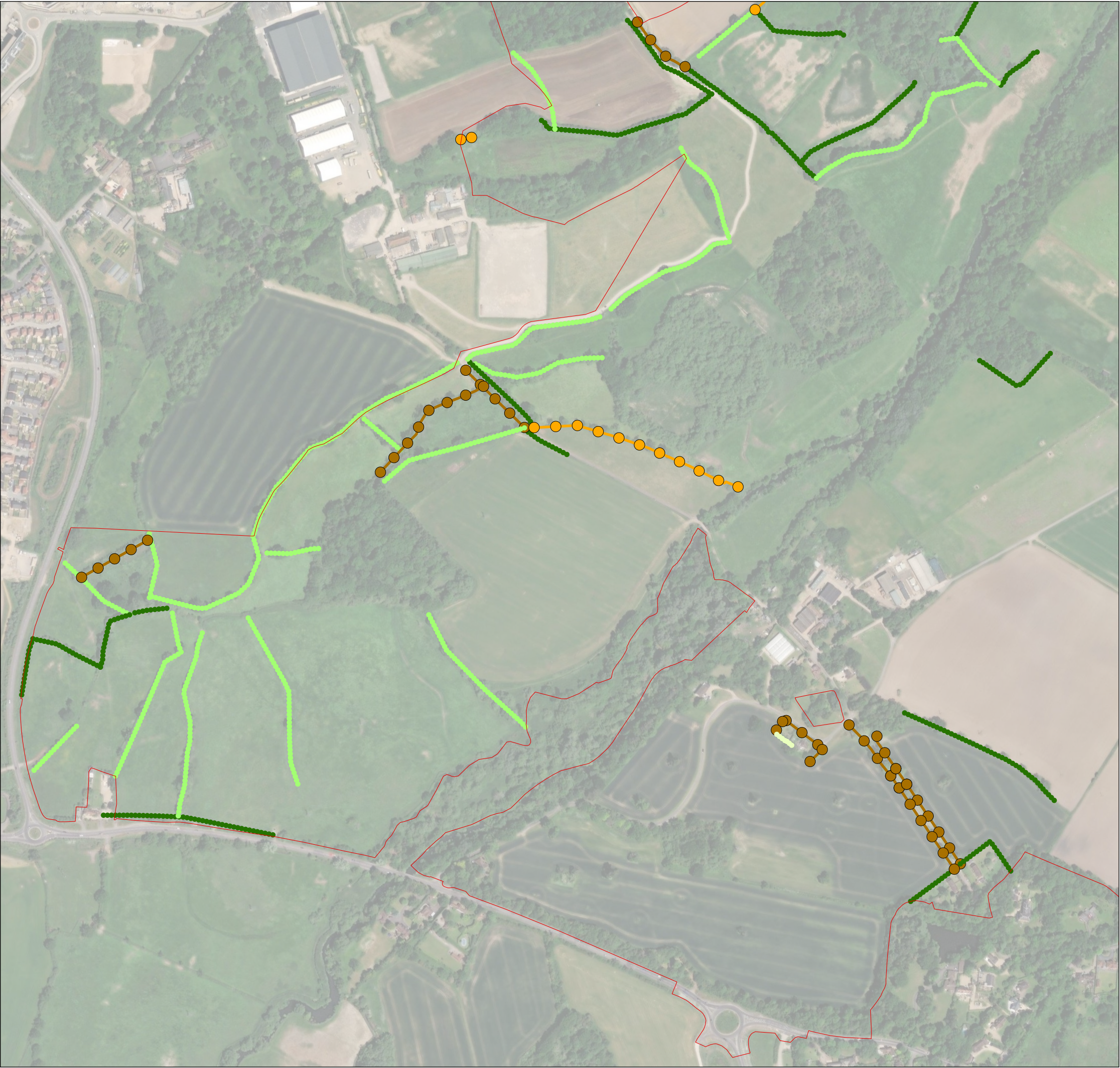
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PROJECT: Loddon Garden Village

DATE: 01 August 2025



MAP 11.3.4e UK Habitat Classification:
Linear Habitats (South-West)

- KEY
- Site boundary
 - h2 Hedgerows
 - h2a Native hedgerow
 - h2a5 Species-rich native hedgerow
 - w1~33 Line of trees
 - w1~34 Ecologically valuable line of trees

SCALE: 1:5,500 at A3

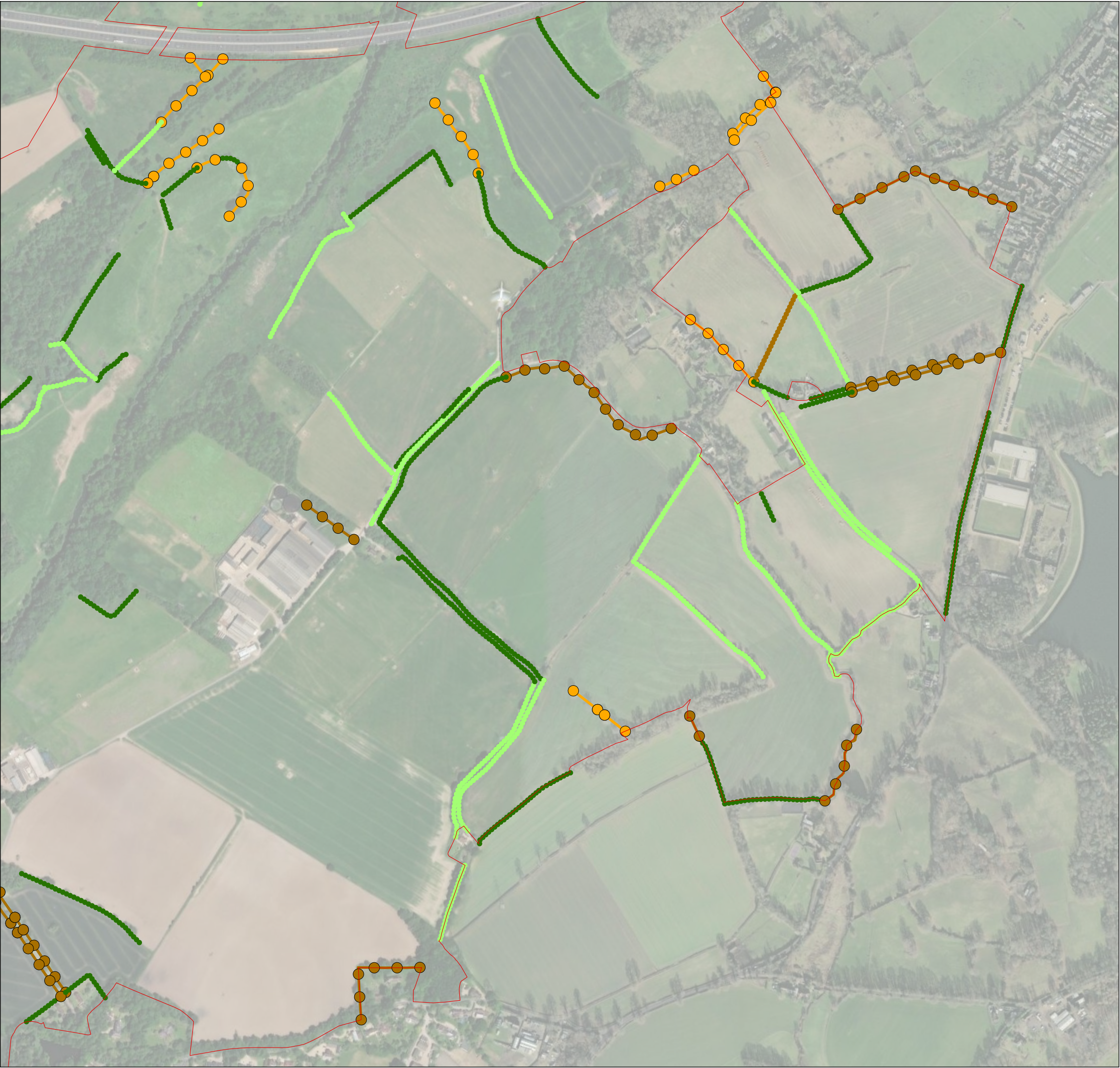
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DATE: 01 August 2025



MAP 11.3.4f UK Habitat Classification:
Linear Habitats (South-East)

- KEY
- Site boundary
 - h2a Native hedgerow
 - h2a5 Species-rich native hedgerow
 - h2b Non-native and ornamental
 - w1~33 Line of trees
 - w1~34 Ecologically valuable line of trees

SCALE: 1:7,000 at A3

0 100 200 300 400 Metres



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DATE: 01 August 2025



MAP 11.3.4g UK Habitat Classification:
Linear Habitats (North-West)

KEY

- Site boundary
- h2a Native hedgerow
- h2a5 Species-rich native hedgerow
- w1~33 Line of trees
- w1~34 Ecologically valuable line of trees

SCALE: 1:5,500 at A3
0 100 200 300 400 Metres



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MAP 11.3.4h UK Habitat Classification:
Linear Habitats (North-East)

KEY

- Site boundary
- h2a Native hedgerow
- h2a5 Species-rich native hedgerow
- h2b Non-native and ornamental
- w1~33 Line of trees
- w1~34 Ecologically valuable line of trees

SCALE: 1:5,500 at A3

0 100 200 300 400 Metres



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PROJECT: Loddon Garden Village

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MAP 11.3.5 Historic Hedgerows and Lines of Trees

- KEY
- Site boundary
 - Historic hedgerows and lines of trees

SCALE: 1:11,000 at A3

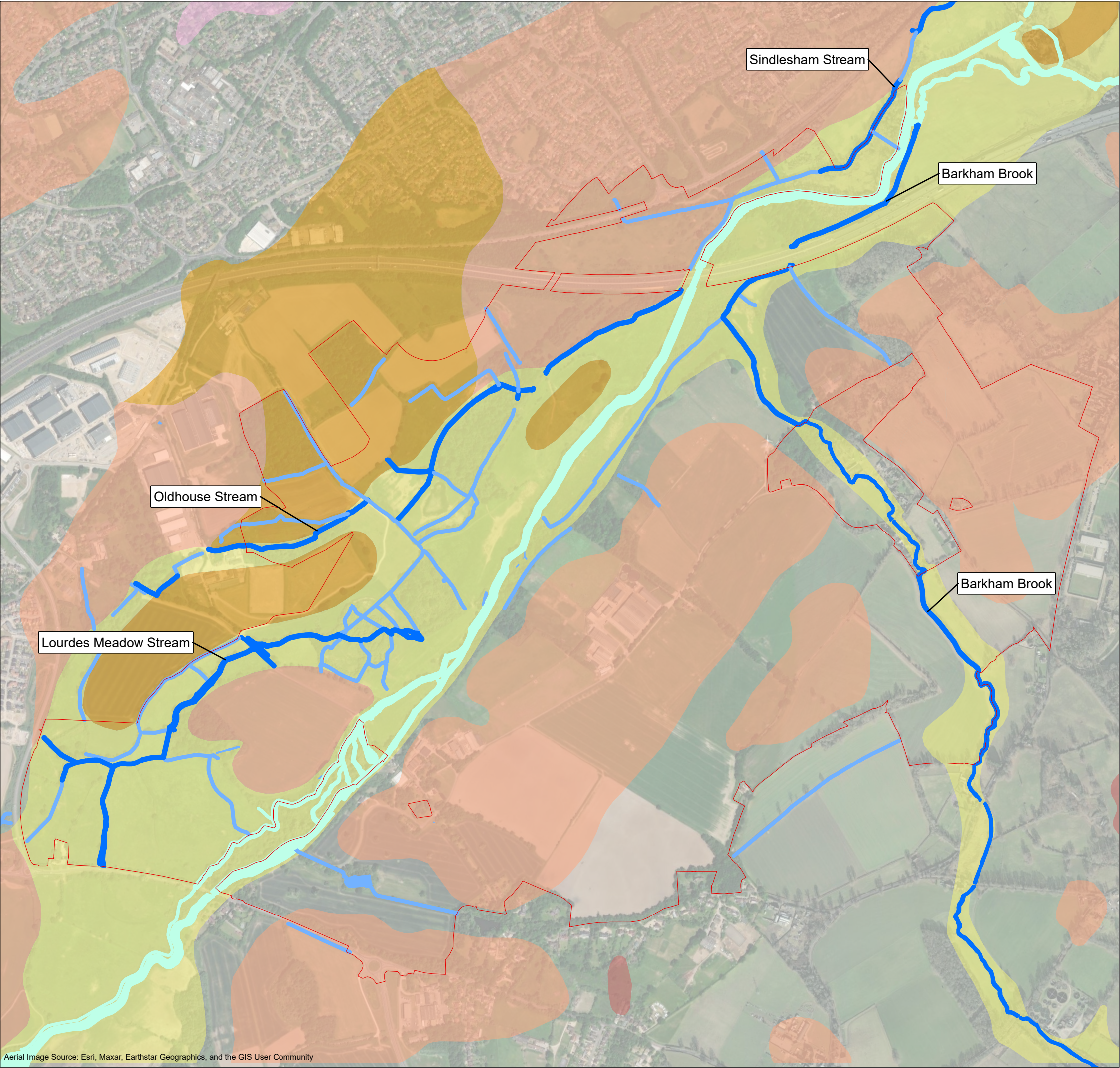
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MAP 11.3.6 UK Habitat Classification:
Watercourses

- KEY
- Site boundary
 - r1g Other standing water - 50 Ditches
 - r2b Other rivers and streams
 - r2a Rivers (priority habitat)

- BGS 1:50,000 scale digital geology - superficial deposits
- Alluvium
 - Boyn Hill gravel member
 - Brickearth
 - Head
 - River terrace deposits

SCALE: 1:11,000 at A3

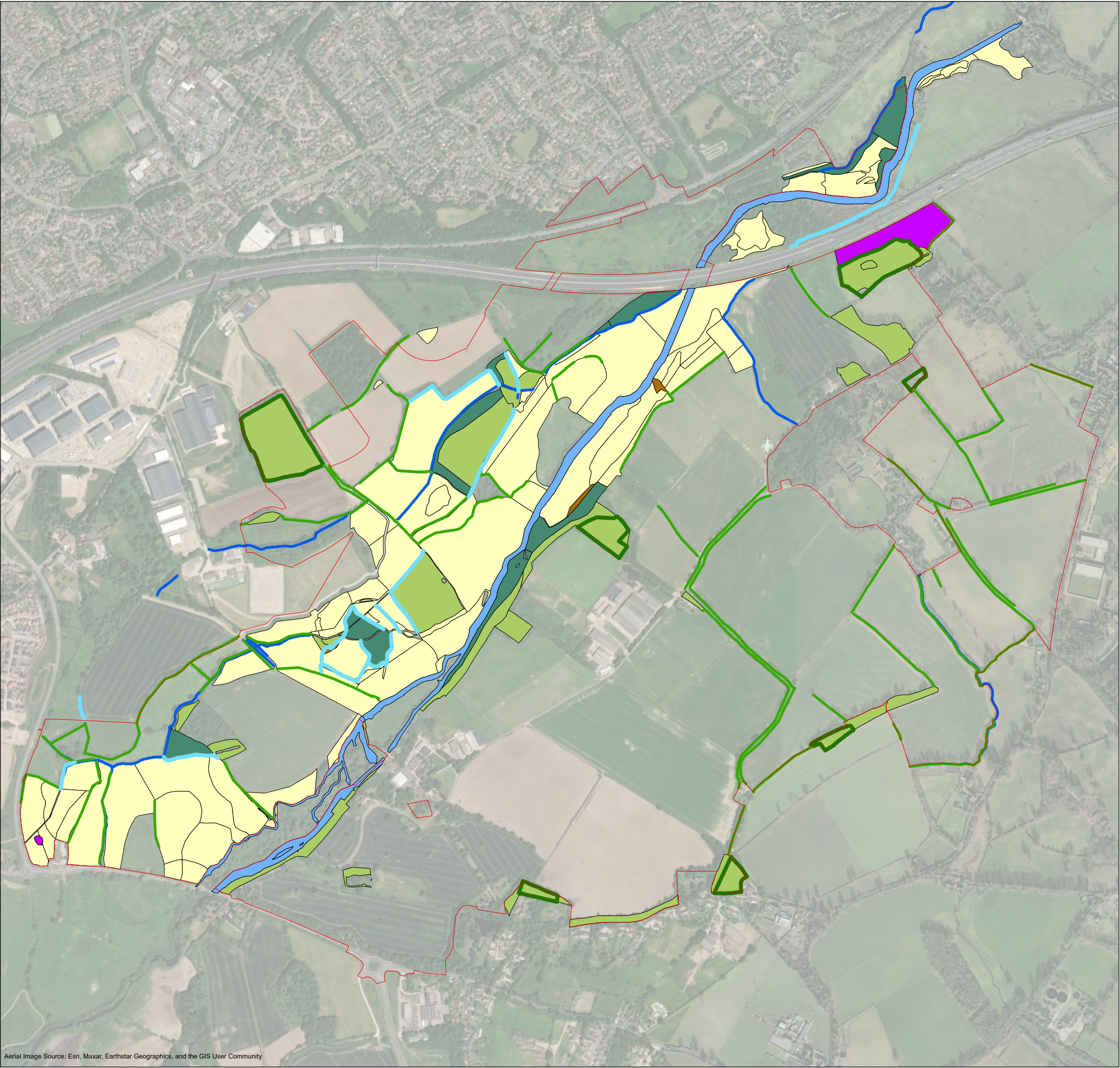
0 100 200 300 400 500 Metres



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PROJECT: Loddon Garden Village

DATE: 31 July 2025



Aerial Image Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

MAP 11.3.7 Important Ecological Features:
Habitats

KEY

- Site boundary
- Section 41 Priority Habitats
 - Coastal and floodplain grazing marsh
 - Purple moor grass and rush pastures
 - Reedbeds
 - Rivers (priority habitat)
 - Wet woodland
 - Lowland mixed deciduous woodland
- Other IEFs
 - Historic floodplain ditches
 - Modified watercourses
 - Historic hedgerows and lines of trees
 - Provisional Ancient Woodland

SCALE: 1:11,000 at A3

0 100 200 300 400 500 Metres



CLIENT: University of Reading

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Annex 1

Habitat Survey Results

Tables A1.1 and A1.2 set out the summary habitat survey results for each area parcel and linear feature. The Secondary Code numbers in the table correspond to the following definitions:

10 Scattered scrub	28 Ancient woodland site	48 Freshwater – heavily modified
11 Hedgerow with trees	29 Plantation	55 Floodplain wetland mosaic
14 Scattered rushes	30 Semi-natural woodland	60 Long continuity habitat
15 Rushes dominant	31 Secondary woodland	62 Biodiversity offset
16 Tall forbs	32 Scattered trees	81 Ruderal or ephemeral
18 Species-rich grassland	41 Ponds (non-priority)	82 Vacant or derelict land
19 Coastal and floodplain grazing marsh	47 Freshwater – natural	90 Cemeteries and churchyards

Surveyor initials are as follows:

AC = Andy Cross BSc (Hons) MSc MCIEEM
AH = Alice Holley BSc (Hons) MSc
CS = Craig Sellwood LLB (Hons) LPC ACIEEM
HC = Hannah Corrigan BSc (Hons) PGCert
JS = Jodie Southgate BA (Hons) MSc MCIEEM
LG = Laura Gravestock BSc (Hons) MSc MCIEEM
LM = Liam Mayle BSc (Hons) MSc

Table A1.1: Habitat Survey Results by Area Parcel

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Area (ha)
West of the Loddon					
EV01	g4 Modified grassland	19, 55	S41 Priority Habitat (CFGM). Floods in winter. Herb-poor permanent pasture, dominated by Creeping Bent, Yorkshire Fog and Marsh Foxtail. Fails UKHab criteria for g3c.	29/03/22 (JS), 26/07/22 (LG), 10/07/24 (JS)	3.12
EV01a	g4 Modified grassland		On river terrace deposits, better drained than EV01. Four polygons of herb-poor permanent pasture dominated by a combination of Creeping Bent, Meadow Foxtail and/or Yorkshire Fog. Fails UKHab criteria for g3c.	29/03/22 (JS), 27/07/22 (LG), 10/07/24 (JS)	4.11
EV01b	g4 Modified grassland	19, 55	S41 Priority Habitat (CFGM). Floods in winter. Herb-poor permanent pasture, dominated by Creeping Bent and Marsh Foxtail. Fails UKHab criteria for g3c.	29/03/22 (JS), 27/07/22 (LG), 10/07/24 (JS)	1.55
EV02	g4 Modified grassland	19, 55	S41 Priority Habitat (CFGM). Herb-poor permanent pasture, dominated by Creeping Bent, Meadow and Marsh Foxtail. Fails UKHab criteria for g3c	20/04/22 (JS), 27/07/22 (LG), 10/07/24 (JS)	2.68
EV02a	g4 Modified grassland		On river terrace deposits, better drained than EV02. Two polygons of herb-poor permanent pasture dominated by Yorkshire Fog. Fails UKHab criteria for g3c. Doesn't meet criteria for g3c.	20/04/22 (JS), 27/07/22 (LG), 10/07/24 (JS)	1.63
EV03	g4 Modified grassland	19, 55	S41 Priority Habitat (CFGM). Herb-poor permanent pasture, dominated by Creeping Bent, Yorkshire Fog and Marsh Foxtail. Fails UKHab criteria for g3c.	20/04/22 (JS), 27/07/22 (LG), 10/07/24 (JS)	2.04
EV04	g4 Modified grassland	19, 55	S41 Priority Habitat (CFGM). Herb-poor permanent pasture, dominated by Creeping Bent. Fails UKHab criteria for g3c.	20/04/22 (JS), 27/07/22 (LG), 10/07/24 (JS)	0.52
EV04a	g3c Other neutral grassland	19, 55	S41 Priority Habitat (CFGM). Drier than rest of EV04 and more diverse, on recently disturbed ground that has been re-seeded.	20/04/22 (JS), 27/07/22 (LG), 10/07/24 (JS)	0.38
EV04b	f2b Purple moor grass and rush pastures	19, 55	S41 Priority Habitat (CFGM). Small area of rush pasture on disturbed ground with abundant Jointed Rush.	10/07/2024 (JS)	0.05
EV04c	g4 Modified grassland	19, 55	S41 Priority Habitat (CFGM). Floods in winter. Herb-poor permanent pasture, dominated by Tufted Hair-grass, Creeping Bent, Meadow Foxtail, Soft Rush and occasional Reed Canary Grass and Jointed Rush. Fails UKHab criteria for g3c.	20/04/22 (JS), 27/07/22 (LG), 10/07/24 (JS)	0.28
EV04d	g4 Modified grassland	19, 55	S41 Priority Habitat (CFGM). Floods in winter. Herb-poor permanent pasture, dominated by Tufted Hair-grass, Creeping Bent, Meadow Foxtail, Soft Rush and occasional Reed Canary Grass. Fails UKHab criteria for g3c.	20/04/22 (JS), 27/07/22 (LG), 10/07/24 (JS)	0.64

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Area (ha)
EV04e	g4 Modified grassland	19, 55	S41 Priority Habitat (CFGF). Floods in winter. Herb-poor permanent pasture, but ranker and drier than rest of EV04. Fails UKHab criteria for g3c.	20/04/22 (JS), 27/07/22 (LG), 10/07/24 (JS)	0.83
EV05	g4 Modified grassland	19, 55	S41 Priority Habitat (CFGF). Floods in winter. Herb-poor permanent pasture with scattered Tufted Hair-grass and Soft Rush. Fails UKHab criteria for g3c.	22/04/22 (JS), 27/07/22 (LG), 10/07/24 (JS)	1.41
EV10	w1g Other broadleaved woodland	29	Post-war plantation. Mainly Ash over Hazel, Holly and Hawthorn, with some conifers. Ground flora includes Dog's Mercury, Ground Ivy, Remote Sedge.	29/03/22 (JS), 10/07/24 (JS)	1.08
EV10a	w1f7 Other lowland mixed deciduous woodland	30, 31, 60	S41 Priority Habitat. Two polygons either side of EV10. Older Ash-Maple-Hazel woodland shown on maps from the late 1700s. Unmanaged.	29/03/22 (JS), 10/07/24 (JS)	0.60
EV11	w1d Wet woodland	30, 31	S41 Priority Habitat. Hall Farm Woodland Triangle Local Wildlife Site. Secondary Alder woodland over abandoned floodplain meadow. Unmanaged.	29/03/22 (JS), 10/07/24 (JS)	0.69
EV12	c1b Temporary grass and clover leys		Rotates between crops and silage (silage in 2024, cut in July).	20/04/22 (JS), 04/07/24 (JS)	9.09
EV12a	c1a8 Arable field margins – Wild bird mix	16, 81	Rank wide field margin, previously sown under Higher Level Stewardship.	10/07/24 (JS)	0.76
EV12b	c1a5 Arable field margins - tussocky		Wide field margin, previously a grass buffer under Higher Level Stewardship.	10/07/24 (JS)	0.21
EV14	g4 Modified grassland	19, 55	S41 Priority Habitat (CFGF). Floods in winter. Ungrazed species-poor rank grassland, dominated by Tufted Hair-grass, Creeping Bent, Common Couch and Meadow Foxtail. Fails UKHab criteria for g3c.	29/03/22 (JS), 27/07/22 (JS), 10/07/24 (JS)	0.87
EV16	f2f Other wetlands	10, 19, 55	S41 Priority Habitat (CFGF). Small stand of Greater Pond Sedge swamp by river.	20/04/22 (JS), 10/07/24 (JS)	0.05
EV17	g3c Other neutral grassland	10, 16, 19, 55	S41 Priority Habitat (CFGF). Nettle bed with scattered Willow scrub.	20/04/22 (JS), 27/07/22 (LG), 10/07/24 (JS)	0.32
EV17a	f2f Other wetlands	10, 19, 55	S41 Priority Habitat (CFGF). Small stand of Greater Pond Sedge swamp by river.	29/04/25 (JS)	0.01
EV18	h3h Mixed scrub	16, 55	Mixed scrub, mostly Willow, over nettles and tall forbs.	20/04/22 (JS), 27/07/22 (LG), 10/07/24 (JS)	0.18

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Area (ha)
EV19	f2f Other wetlands	10, 16, 19, 55	S41 Priority Habitat (CFGM). Mixture of Greater Pond Sedge, Common Reed, Willow scrub over nettles and tall forbs including Common Comfrey, Meadowsweet, Mugwort, Cleavers, Hogweed and occasional Wild Angelica and Water Mint.	20/04/22 (JS)	1.04
EV21	g4 Modified grassland	19, 55	S41 Priority Habitat (CFGM). Floods in winter. Herb-poor permanent pasture dominated by Creeping Bent, Meadow Foxtail, Yorkshire Fog, Rough Meadow-grass and Creeping Thistle. Fails UKHab criteria for g3c.	30/03/22 (JS), 26/07/22 (JS), 04/07/24 (JS)	2.55
EV22, EV22a	f2f Other wetlands	19, 55	S41 Priority Habitat (CFGM). Lesser Pond Sedge swamp on edge of Rushey Mead woodland. Labelled as "Pond 9" for GCN survey.	21/04/22 (JS), 27/07/22 (LG), 04/07/24 (JS)	0.19
EV23	g4 Modified grassland	19, 55	S41 Priority Habitat (CFGM). Floods in winter. Herb-poor permanent pasture. Five polygons variously dominated by Tufted Hair-grass or Yorkshire Fog. Fails UKHab criteria for g3c.	24/05/22 (JS), 26/07/22 (LG), 04/07/24 (JS)	9.19
EV23a	g3c Other neutral grassland	14, 19, 55	Strip of inundation grassland on eastern boundary of Rushy Mead woodland, grades into the swamp at EV22. Historically a separate field, likely meadow. Dominated by Floating Sweet Grass, Yorkshire Fog, Marsh Foxtail and Creeping Bent. Herb-poor, but more semi-natural in character than EV23.	24/05/22 (JS), 26/07/22 (LG), 04/07/24 (JS)	0.98
EV24	g3c Other neutral grassland		Drier area of the EV23 field on a localised area of brickearth deposits. More diverse sward with Common Bent, Red Fescue, Yorkshire Fog, Meadow Barley, Yarrow, occasional Bird's-foot Trefoil.	24/05/22 (JS), 26/07/22 (LG) 04/07/24 (JS)	2.20
EV24a	g3c Other neutral grassland	19, 55	S41 Priority Habitat (CFGM). Localised damper area of EV24 within the floodplain.	24/05/22 (JS), 26/07/22 (LG) 04/07/24 (JS)	0.52
EV25	g4 Modified grassland	19, 55	S41 Priority Habitat (CFGM). Floods in winter. Herb-poor permanent pasture dominated by Creeping Bent, Meadow Foxtail, Yorkshire Fog and Rough Meadow-grass, with local areas of inundation grassland dominated by Marsh Foxtail, Knotgrass, Greater Plantain and Marsh Cudweed. Fails UKHab criteria for g3c.	22/04/22 (JS), 26/07/22 (LG), 04/07/24 (JS)	5.46
EV26	g4 Modified grassland	19, 55	S41 Priority Habitat (CFGM). Floods in winter. Herb-poor permanent pasture dominated by Creeping Bent, Meadow Foxtail, Perennial Rye-grass, Yorkshire Fog and Creeping Thistle. Fails UKHab criteria for g3c.	22/04/22 (JS), 26/07/22 (LG), 04/07/24 (JS)	3.30

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Area (ha)
EV26a	f2f Other wetlands	19, 55	S41 Priority Habitat (CFGM). Damp shallow channel within EV26, former floodplain ditch, poached, frequently dries out. Labelled as "Pond 5" for GCN surveys.	26/07/22 (LG), 04/07/24 (JS)	0.02
EV27	g4 Modified grassland	19, 55	S41 Priority Habitat (CFGM). Floods in winter. Herb-poor permanent pasture dominated by Perennial Rye-grass. Fails UKHab criteria for g3c.	02/04/22 (JS), 26/07/22 (LG), 04/07/24 (JS)	0.21
EV28	g4 Modified grassland	19, 55	S41 Priority Habitat (CFGM). Floods in winter. Herb-poor permanent pasture on ex-arable, dominated by Perennial Rye-grass. Fails UKHab criteria for g3c.	22/04/22 (JS), 26/07/22 (JS) 04/07/24 (JS)	1.47
EV29	g4 Modified grassland	19, 55	S41 Priority Habitat (CFGM). Floods in winter. Herb-poor permanent pasture dominated by Creeping Bent, Perennial Rye-grass, Yorkshire Fog and Rough Meadow-grass. Fails UKHab criteria for g3c.	22/04/22 (JS), 26/07/22 (JS), 04/07/24 (JS)	1.30
EV31	w1f7 Other lowland mixed deciduous woodland	30, 31	S41 Priority Habitat. Secondary woodland on a localised river terrace deposit, historically arable that later succeeded to scrub and then woodland. Unmanaged. Mostly Oak and Ash over Hawthorn, Gorse and Holly and a nutrient-enriched ground flora of nettles, Cleavers, Bramble and Bracken. Occasional planted Pine and Spruce. Old field name was "Watercut".	22/04/22 (JS), 27/07/22 (AC), 04/07/24 (JS)	2.66
EV31a	f2f Other wetlands	19, 55, 60	S41 Priority Habitat (CFGM). Historically part of the wide "Lourdes Meadow Stream" modified watercourse connected to the Loddon, now a Greater Pond Sedge/Reed Sweet Grass swamp, no longer flowing or connected to the river. Labelled as "Pond 6" for GCN survey. Part of the historic ditch Important Ecological Feature.	22/04/22 (JS), 27/07/22 (AC), 04/07/24 (JS)	0.20
EV32	g3c7 Deschampsia neutral grassland	16, 19, 55	S41 Priority Habitat (CFGM). Rank, ungrazed damp grassland between woodlands, dominated by Tufted Hair-grass, Yorkshire Fog, Meadow Foxtail, Greater Pond Sedge and a variety of tall forbs such as Comfrey, Creeping Thistle, nettles, Water Mint, Clustered Dock with occasional Soft Rush, Brown Sedge, Meadowsweet, False Fox Sedge. Historically known as "Ham Meadow".	22/04/22 (JS), 27/07/22 (AC), 04/07/24 (JS)	0.50
EV33	g4 Modified grassland	19, 55	S41 Priority Habitat (CFGM). Floods in winter. Herb-poor permanent pasture dominated by Creeping Bent, Perennial Rye-grass, Yorkshire Fog and Creeping Buttercup. Fails UKHab criteria for g3c.	22/04/22 (JS), 27/07/22 (JS), 04/07/24 (JS)	2.04
EV36	h3j Willow scrub	19, 55	S41 Priority Habitat (CFGM). Willow scrub fringing ditches in wet woodland/swamp complex on floodplain.	22/04/22 (JS), 27/07/22 (AC), 04/07/24 (JS)	0.14

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Area (ha)
EV38	h3j Willow scrub	19, 55	S41 Priority Habitat (CFGF). Willow scrub fringing ditches in wet woodland/swamp complex on floodplain.	22/04/22 (JS), 27/07/22 (AC), 04/07/24 (JS)	0.03
EV39	w1f7 Other lowland mixed deciduous woodland	30, 31	S41 Priority Habitat. Locally drier area of woodland within the wet woodland/swamp complex on floodplain, mostly Pedunculate Oak over nettles, Remote Sedge and Ground Ivy. Post-war secondary woodland on abandoned meadow/pasture. Unmanaged.	22/04/22 (JS), 27/07/22 (AC), 04/07/24 (JS)	0.17
EV40	f2f Other wetlands	19, 55	S41 Priority Habitat (CFGF). Greater Pond Sedge swamps within/around wet woodland/swamp complex on floodplain – several polygons.	22/04/22 (JS), 27/07/22 (AC), 04/07/24 (JS)	1.88
EV42	f2e Reedbeds	55	Small area of Common Reed within wet woodland/swamp complex on floodplain. S41 Priority Habitat.	22/04/22 (JS), 27/07/22 (AC), 04/07/24 (JS)	0.05
EV43	w1d Wet woodland	30, 31, 55	S41 Priority Habitat. Secondary Alder and Crack Willow woodland that has developed over abandoned floodplain meadow/pasture, around the historic ditch network. Nutrient-enriched ground flora of Ground Ivy and nettles with Remote Sedge and abundant deadwood and leaf litter. Unmanaged.	22/04/22 (JS), 27/07/22 (AC), 04/07/24 (JS)	1.18
EV44	f2f Other wetlands	19, 55	S41 Priority Habitat (CFGF). Reed Sweet Grass swamps within/around wet woodland/swamp complex on floodplain – several polygons.	22/04/22 (JS), 27/07/22 (AC), 04/07/24 (JS)	0.46
EV49	g3c Other neutral grassland	19, 55	S41 Priority Habitat (CFGF). Lower-lying area dominated by Common Spike-Rush on edge of wet woodland/swamp complex on floodplain. Poached.	22/04/22 (JS), 27/07/22 (AC), 04/07/24 (JS)	0.03
EV50	g4 Modified grassland	19, 55, 81	S41 Priority Habitat (CFGF). Floods in winter. Herb-poor permanent pasture dominated by Creeping Bent, Meadow Foxtail, Yorkshire Fog and Creeping Buttercup with localised inundation areas with Marsh Foxtail, Greater Plantain, Redshank, Common Spike Rush and Trifid Bur-Marigold. Fails UKHab criteria for g3c.	22/04/22 (JS), 26/07/22 (LG), 04/07/24 (JS)	2.03
EV51	g3c Other neutral grassland	14, 16, 19, 55	S41 Priority Habitat (CFGF). Rank ungrazed grassland on floodplain, dominated by Yorkshire Fog, Tufted Hair-grass, Cock's-Foot, Soft Rush and Hairy Sedge with tall forbs such as Water Mint, Comfrey, Broad-leaved Dock, nettles, Creeping Thistle and Hemlock Water-dropwort. More semi-natural and diverse than the herb-poor permanent pastures.	22/04/22 (JS), 26/07/22 (LG), 04/07/24 (JS)	0.80
EV52	g4 Modified grassland	19, 55	S41 Priority Habitat (CFGF). Floods in winter. Herb-poor permanent pasture dominated by Creeping Bent, Perennial Rye-grass, Meadow Foxtail and Marsh Foxtail. Fails UKHab criteria for g3c.	22/04/22 (JS), 26/07/22 (LG), 04/07/24 (JS)	1.40

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Area (ha)
EV52a	g3c Other neutral grassland	19, 55, 81	S41 Priority Habitat (CFGM). Large depression within EV52 which holds water for longer, colonised by ruderal species such as Trifid Bur-Marigold, Redshank, Common Spike Rush and Greater Plantain.	22/04/22 (JS), 26/07/22 (LG), 04/07/24 (JS)	0.38
EV53	g3c7 Deschampsia neutral grassland	14, 16, 29, 32, 55	Small rank ungrazed parcel on floodplain, dominated by Yorkshire Fog, Tufted Hairgrass and Cock's-foot with occasional Soft Rush, Hairy Sedge and tall forbs such as Creeping Thistle, nettles, Water Mint, Comfrey, Hemlock Water Dropwort and Tufted Vetch. Scattered planted Poplar trees.	22/04/22 (JS), 26/07/22 (LG), 04/07/24 (JS)	0.47
EV54	w1f7 Other lowland mixed deciduous woodland	30, 31	Section 41 Priority Habitat. Rushy Mead Local Wildlife Site. This polygon represents the drier area of Rushy Mead that sits over a localised area of river terrace deposits. This area was historically arable land, first shown as woodland on historic maps from the late 1800s. Dominated by Oak and Ash over an understorey of Field Maple, Hawthorn, Blackthorn and Hazel and a grassy ground flora with Yorkshire Fog, Cock's-foot, Remote Sedge, nettles, Dog's Mercury and Rough Meadow-grass. Unmanaged.	22/04/22 (JS), 08/12/22 (AC), 04/07/24 (JS)	2.61
EV54d	w1d Wet woodland	30, 31	Section 41 Priority Habitat. The lower lying western and southern edges of Rushy Mead on the floodplain. These areas were historically floodplain meadow that have been long abandoned and colonised by Alder and Willow over a damp ground flora with Lesser Pond Sedge, Remote Sedge, Hemlock Water-Dropwort, Comfrey, nettles Ground Ivy and occasional Water Mint, Marsh Bedstraw and Meadowsweet. Unmanaged.	22/04/22 (JS), 08/12/22 (AC), 04/07/24 (JS)	1.10
EV54e	w1f7 Other lowland mixed deciduous woodland	30, 31	Section 41 Priority Habitat. Part of the proposed Rushy Mead LWS Extension. This area is part of the drier area of Rushy Mead and is shown as woodland on maps from the late 1800s. It is similar in character to EV54, separated by a ditch. Unmanaged.	22/04/22 (JS), 08/12/22 (AC), 04/07/24 (JS)	0.22
EV55	g3c Other neutral grassland	10, 19	EV55 comprises an area of rank grassland and scattered scrub between an old lane and ditch to the north of Rushy Mead. It forms part of the proposed Rushy Mead LWS Extension. It is dominated by brambles, nettles, thistles, Dog Rose and False Oat Grass with occasional Hawthorn and Blackthorn.	22/04/22 (JS), 04/07/24 (JS)	0.16
EV56	w1f7 Other lowland mixed deciduous woodland	30, 31	Section 41 Priority Habitat. Part of the proposed Rushy Mead LWS Extension. As with EV56, this woodland is the result of the post-war abandonment of grazing. This area is drier in character than EV56, dominated by Oak over Hawthorn, Holly, bramble, Blackthorn and a locally damp ground flora with nettles, False Wood-brome, Hemlock Water Dropwort and Remote Sedge. Unmanaged.	22/04/22 (JS), 16/04/24 (HC)	0.34

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Area (ha)
EV56a	w1d Wet woodland	30, 31	Section 41 Priority Habitat Part of the proposed Rushy Mead LWS Extension. This small area of wet woodland has developed post-war alongside floodplain ditches on abandoned grazing land north of Rushy Mead. It is dominated by Alder and Crack Willow over a damp ground flora which includes Remote Sedge, Lesser Pond Sedge, Meadowsweet, Marsh Bedstraw, Yellow Flag, Water Mint, Hemlock Water Dropwort and abundant nettles. Unmanaged.	22/04/22 (JS), 16/04/24 (HC)	0.20
EV57	w1f7 Other lowland mixed deciduous woodland	30, 31	Section 41 Priority Habitat. Part of the proposed Rushy Mead LWS Extension. A drier area of woodland north of the main floodplain ditch/modified watercourse, dominated by Oak and Ash over young Elm, Ground Ivy, nettles, Cock's-foot and False Oat-grass. As with EV56, this woodland has developed post-war on abandoned farmland. Unmanaged.	22/04/22 (JS), 16/04/24 (HC)	0.28
EV58	g4 Modified grassland	19, 55	S41 Priority Habitat (CFGM). Floods in winter. Herb-poor permanent pasture dominated by Creeping Bent, Meadow Foxtail, Perennial Rye-grass, Yorkshire Fog and Creeping Buttercup. Fails UKHab criteria for g3c.	22/04/22 (JS), 26/07/22 (LG) 04/07/24 (JS)	3.60
EV59	w1d Wet woodland	30, 31	S41 Priority Habitat. Scrubby Alder woodland with some Ash, Willow and Oak over bramble and nettles. Natural succession from abandoned marshy grassland and an old tributary to the Loddon that was diverted when the M4 was constructed. Unmanaged.	22/04/22 (JS), 26/07/22 (LG), 04/07/24 (JS)	0.83
EV60	w1g Other broadleaved woodland	29	Two young blocks of planted Grey Poplar.	22/04/22 (JS), 26/07/22 (LG), 04/07/24 (JS)	0.64
EV62	g3c Other neutral grassland	16	Rank, species-poor ungrazed grassland on river terrace deposits above the floodplain. Dominated by False Oat Grass, Yorkshire Fog, Meadow Foxtail, Cow Parsley, Hogweed, Creeping Thistle, Upright Hedge Parsley and Ragwort.	22/04/22 (JS), 26/07/22 (LG), 04/07/24 (JS)	1.88
EV63	h3h Mixed scrub	19, 55	S41 Priority Habitat (CFGM). Scraps of Hawthorn, Blackthorn, Dogwood and Bramble along old, long-abandoned field boundary in EV33.	14/09/22 (JS), 04/07/24 (JS)	0.05
EV64	h3d Bramble scrub		Strip of bramble scrub on field boundary	14/09/22 (JS), 10/07/24 (JS)	0.09
EV65	h3d Bramble scrub		Strip of bramble scrub on field boundary.	16/10/22 (JS), 10/07/24 (JS)	0.02
EV67	w1g Other broadleaved woodland	29	Mixed shelterbelt planting along M4 corridor, dating from around 2000.	08/12/22 (AC), 04/07/24 (JS)	0.13

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Area (ha)
EV100	h3d Bramble scrub		Small parcel of bramble scrub on western boundary to Relief Road	29/04/25 (JS)	0.03
EV101	w1f7 Other lowland mixed deciduous woodland	19, 55	S41 Priority Habitat (CFGM). Small strip of woodland, mostly Ash, on bank of the Loddon	29/04/25 (JS)	0.04
EV102	g4 Modified grassland	19, 55	S41 Priority Habitat (CFGM). Herb poor permanent pasture between main Loddon channel and mill stream.	29/04/25 (JS)	1.62
EV102a	g4 Modified grassland	19, 55	S41 Priority Habitat (CFGM). Shaded grassy anglers path, dominated by nettles	29/04/25 (JS)	0.12
EV103	g4 Modified grassland	19, 55	S41 Priority Habitat (CFGM). Area of disturbed grassland alongside track, with Japanese Knotweed	29/04/25 (JS)	0.07
P03	r1g Other standing water	41	Shaded woodland pond within EV10a. No aquatic vegetation, occasionally dries out. Negative eDNA survey for Great Crested Newts.	10/07/24 (JS)	0.05
P04	r1g Other standing water	41	Seasonally wet pool within EV18 mixed scrub. Negative eDNA survey for Great Crested Newts.	29/04/25 (JS)	0.01
P07	r1g Other standing water	41	Patch of reeds and Bulrush within floodplain grassland EV26. Part of the lost link to the Loddon. Dries out in summer. Negative eDNA survey for Great Crested Newts.	29/04/25 (JS)	0.04
P08	r1g Other standing water	41	Small, shaded woodland pond within EV31. Almost dry and with no aquatic vegetation. Negative eDNA survey for Great Crested Newts.	22/04/22 (JS), 04/07/24 (JS)	0.01
P11	r1g Other standing water	41	x2 pools within HF41a wet woodland. Negative eDNA survey for Great Crested Newts.	29/04/25 (JS)	0.02
P12	r1g Other standing water	41	Large basin within woodland HF03, dry for most of the year. Heavily silted and shaded, colonised by trees and scrub. Negative eDNA survey for Great Crested Newts.	29/04/25 (JS)	0.21
P13	g3c Other neutral grassland	19, 55	Central part of grassland/swamp parcel EV49, seasonally inundated.	29/04/25 (JS)	0.02
P28	h3h Mixed scrub		Shallow, dry basin within HF13 scrub, now completely colonised by scrub.	29/04/25 (JS)	0.02
IV12	g3c5 Arrhenatherum neutral grassland	16	Recently abandoned arable field now colonised by rank grassland and tall forbs, dominated by False Oat-grass and Yorkshire Fog with frequent Creeping Thistle, Spear Thistle, Ragwort, White Clover, Creeping Bent and Meadow Foxtail.	30/03/22 (JS), 04/07/24 (JS)	1.52

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Area (ha)
IV12b	c1a5 Arable field margins - tussocky	16	Wide field margin, previously under Higher Level Stewardship.	14/09/22 (JS)	0.05
IV12d	u1c Artificial unvegetated, unsealed surface		Crushed stone track	30/03/22 (JS), 27/07/22 (JS), 10/07/24 (JS)	0.45
IV12c	c1a5 Arable field margins - tussocky	16	Wide field margin, previously under Higher Level Stewardship.	30/03/22 (JS)	0.08
IV13	c1c Cereal crops		Arable field. Maize in 2022 and 2024	30/03/22 (JS), 27/07/22 (JS), 10/07/24 (JS)	2.39
IV14	w1f7 Other lowland mixed deciduous woodland	30, 31	S41 Priority Habitat. Secondary woodland that has developed over abandoned meadow at eastern end, made ground/landfill at western end. Oak and Ash over Hawthorn, Blackthorn, Willow with dense bramble, nettles and Remote Sedge. Unmanaged.	30/03/22 (JS), 27/07/22 (JS), 10/07/24 (JS)	1.16
IV15	g3c8 Holcus-Juncus neutral grassland	15, 16	Abandoned pasture invaded by dense mats of Soft Rush and frequent Tufted Hair-grass, Creeping Bent, Hairy Sedge and tall forbs in more open areas.	30/03/22 (JS), 27/07/22 (JS), 10/07/24 (JS)	1.13
IV16	g3c Other neutral grassland	10, 16	Abandoned pasture dominated by rank Yorkshire Fog, Meadow Foxtail, Timothy, Creeping Bent, Cocksfoot and tall forbs such as Creeping Thistle, Broad-leaved Dock, Mugwort and locally dominant Hemlock Water-dropwort.	30/03/22 (JS), 27/07/22 (JS), 10/07/24 (JS)	0.22
IV17	w1f7 Other lowland mixed deciduous woodland	30, 60	S41 Priority Habitat. Small area of mature woodland with large Alder and Ash coppice stools and Oak standards over Bluebells, bramble, nettles, Dog's Mercury. Unmanaged.	30/03/22 (JS), 27/07/22 (JS), 10/07/24 (JS)	0.19
IV18	w1f7 Other lowland mixed deciduous woodland	28, 30, 60	S41 Priority Habitat and PAWI. St John's Copse. Mature woodland with numerous ancient woodland indicators. Predominantly Ash and Oak over Hazel, Holly, Field Maple with localised areas of Alder, Elm and Wild Service Tree. Unmanaged.	30/03/22 (JS), 10/07/24 (JS)	3.51
IV25	w1g Other broadleaved woodland	29, 31	New Covert. 20 th century plantation, mostly Oak with some Silver Birch, Holly, Field Maple, Ash, Blackthorn and Hawthorn over dense Bracken and bramble. Scrubby and unmanaged.	30/03/22 (JS), 27/07/22 (JS), 10/07/24 (JS)	2.31
IV26	c1a Arable field margins	16	Rank field margin, not cultivated since 2017/18. Apparently abandoned. Rank grassland and tall forbs.	26/07/22 (JS), 10/04/24 (JS)	0.20

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Area (ha)
IV27	c1b Temporary grass and clover leys		In arable rotation - Maize in 2020, stubble in March 2022, ley grassland in 2024. Two fields, divided by line of trees. Mapped as CFGM on PHI, but over-ridden as lies above the floodplain over Brickearth deposits.	30/03/22 (JS), 27/07/22 (JS), 10/07/24 (JS)	6.45
IV28	g3c8 Holcus-Juncus neutral grassland	16, 19	Localised area of winter-wet low ground on edge of IV28. Left uncultivated since around 2008. Rank and species poor with False Oat-grass, Yorkshire Fog, Creeping Bent, Soft Rush, Creeping Thistle, Broad-leaved Dock and Stinging Nettle.	30/03/22 (JS), 26/07/22 (JS), 10/07/24 (JS)	0.03
IV30	g3c5 Arrhenatherum neutral grassland	16, 81	Rank abandoned field margin, previously a "winter bird food mix" under Higher Level Stewardship, now colonised by False Oat-grass, Yorkshire Fog, Creeping Bent and tall ruderals. Mapped as CFGM on PHI, but over-ridden as lies above the floodplain over Brickearth and river terrace deposits.	30/03/22 (JS), 26/07/22 (JS), 04/07/24 (JS)	0.81
IV31	g4 Modified grassland		Herb-poor permanent pasture with a dense thatch. Dominated by False Oat-grass, Yorkshire Fog and Common Bent. Mapped as CFGM on PHI, but over-ridden as lies above the floodplain over river terrace deposits.	30/03/22 (JS), 26/07/22 (JS), 04/07/24 (JS)	2.92
IV54	w1g Other broadleaved woodland	29	Young shelterbelt planting along southern edge of the M4 (planted c. 2000)	26/07/22 (JS), 04/07/24 (JS)	0.59
Shinfield Studios Committed Future Baseline Areas					
SS01	g3a Lowland Meadows	62	Committed future baseline for Shinfield Studios BNG – Area 1.	n/a	0.83
SS02	g3a Lowland Meadows	62	Committed future baseline for Shinfield Studios BNG – Area 2.	n/a	1.93
SS03	g4 Modified grassland	62	Committed future baseline for Shinfield Studios BNG – Area 3.	n/a	0.85
SS04	g3a Lowland Meadows	62	Committed future baseline for Shinfield Studios BNG – Area 4.	n/a	1.43
SS05	g3c Other neutral grassland	62	Committed future baseline for Shinfield Studios BNG – Area 5.	n/a	0.21
SS05	g3c Other neutral grassland	62	Committed future baseline for Shinfield Studios BNG – Area 5.	n/a	0.53
SS06	g3c7 Deschampsia neutral grassland	62	Committed future baseline for Shinfield Studios BNG – Area 6.	n/a	0.35

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Area (ha)
SS07	g3a Lowland Meadows	62	Committed future baseline for Shinfield Studios BNG – Area 7.	n/a	0.07
SS08	g3a Lowland Meadows	62	Committed future baseline for Shinfield Studios BNG – Area 8.	n/a	1.04
SS09	f2f Other wetlands	62	Committed future baseline for Shinfield Studios BNG – Area 9.	n/a	0.07
SS_A	g3c Other neutral grassland	62	Committed future baseline for Shinfield Studios BNG – Area A. Several polygons of the same proposed habitat type.	n/a	1.40
SS_B	u1c Artificial unvegetated, unsealed surface	62	Committed future baseline for Shinfield Studios BNG – Area B. Two polygons of the same proposed habitat type.	n/a	0.08
SS_C	h3h Mixed scrub	62	Committed future baseline for Shinfield Studios BNG – Area C. Single polygon.	n/a	0.01
East of the Loddon					
HF01	c1c Cereal crops	32	Maize in recent years. Scattered ornamental trees – part of historic Arborfield Hall parkland.	29/03/22 (JS), 26/06/24 (JS)	8.91
HF01a	w1g Other woodland; broadleaved	29	Tree belt along Arborfield Road. Crowded, young and leggy apart from around clearing for gas structures	26/06/24 (JS)	1.38
HF02	c1c Cereal crops	32	Maize in recent years. Scattered ornamental trees – part of historic Arborfield Hall parkland.	29/03/22 (JS), 26/06/24 (JS)	7.38
HF03	w1f7 Other lowland mixed deciduous woodland	30, 31	S41 Priority Habitat. Small scrubby secondary woodland with Oak, Willow, Blackthorn, nettles and brambles. Has developed around dried up pond in centre – part of historic Arborfield Hall parkland. Unmanaged.	29/03/22 (JS), 24/05/24 (HC)	0.22
HF04	c1c Cereal crops	32	Maize in recent years. Scattered ornamental trees – part of historic Arborfield Hall parkland.	29/03/22 (JS), 26/06/24 (JS)	1.57
HF05	w1f7 Other lowland mixed deciduous woodland	30, 31	S41 Priority Habitat. Secondary woodland on bank above the Loddon that has spread out from rows of planted trees (mostly Lime and Scots Pine) along the historic driveway to Arborfield Hall. Frequent Oak, Ash, Hawthorn, bramble, nettles, Ground Ivy, Cleavers, Wild Garlic. Part of the Loddon River (part) Local Wildlife Site. Unmanaged.	29/03/22 (JS), 24/05/24 (HC)	1.02

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Area (ha)
HF06	h3d Bramble scrub	32	Roadside Bramble bank with mixed trees – part of historic Arborfield Hall parkland.	29/03/22 (JS), 11/07/24 (JS)	0.14
HF07	c1c Cereal crops	32	Maize in recent years. Scattered ornamental trees – part of historic Arborfield Hall parkland.	29/03/22 (JS), 11/07/24 (JS)	3.18
HF08	c1c Cereal crops		Winter wheat or oats in recent years.	29/03/22 (JS), 26/06/24 (JS)	9.87
HF09	c1c Cereal crops		Winter wheat or oats in recent years.	29/03/22 (JS), 26/06/24 (JS)	12.13
HF11	g4 Modified grassland		Small Perennial Rye-grass paddock.	29/03/22 (JS), 19/08/22 (JS), 11/07/24 (JS)	0.41
HF12	g4 Modified grassland		Small Perennial Rye-grass paddock.	29/03/22 (JS), 19/08/22 (JS), 11/07/24 (JS)	1.09
HF13	h3h Mixed scrub		Area of scrub and trees between the farmyard and river with Elder, Bramble, Hemlock, thistles, Curled Dock, Burdock, Cocks-foot, False Oat-grass, nettles and Mugwort,	29/03/22 (JS), 19/08/22 (JS), 11/07/24 (JS)	0.76
HF14	w1h Other woodland, mixed	29	Several blocks of mature planted trees, mostly ornamental species, on the edge of the former Arborfield Hall parkland.	29/03/22 (JS), 19/08/22 (JS), 11/07/24 (JS)	1.27
HF15	g4 Modified grassland		Perennial Rye-grass paddock, regularly sprayed off and re-sown.	29/03/22 (JS), 19/08/22 (JS), 11/07/24 (JS)	2.94
HF15a	g4 Modified grassland		Perennial Rye-grass paddock, regularly sprayed off and re-sown.	29/03/22 (JS), 19/08/22 (JS), 11/07/24 (JS)	0.56
HF16	g4 Modified grassland		Perennial Rye-grass paddock, regularly sprayed off and re-sown.	29/03/22 (JS), 19/08/22 (JS), 11/07/24 (JS)	4.81
HF17	c1b Temporary grass and clover leys		Sown in July 2024, previously fallow.	29/03/22 (JS), 19/08/22 (JS), 11/07/24 (JS)	1.03
HF18	w1f7 Other lowland mixed deciduous woodland	28	Section 41 Priority Habitat and PAWI. “Brick Kiln Coppice”, shown as deciduous woodland on maps from the mid-1800s. May have since been replanted. Ash, Oak, Wild Cherry and Aspen canopy over Yew, Hazel, Holly, Field Maple and Cherry Laurel. Ground flora mostly nettles and bramble, some Bluebells. Unmanaged.	24/05/24 (HC)	0.53

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Area (ha)
HF18a	w1f7 Other lowland mixed deciduous woodland		Secondary woodland that has infilled abandoned lane next to Brick Kiln Coppice. Unmanaged.	24/05/24 (HC)	0.21
HF19	g4 Modified grassland		Large Perennial Rye-grass field, regularly sprayed off and re-sown.	29/03/22 (JS), 18/08/22 (JS), 26/06/24 (JS)	14.39
HF20	g4 Modified grassland		Large Perennial Rye-grass field, regularly sprayed off and re-sown.	29/03/22 (JS), 18/08/22 (JS), 26/06/24 (JS)	12.30
HF21	w1h Other woodland, mixed	29	Planted non-native tree belt between dairy yard and track.	21/04/22 (JS), 23/05/24 (HC)	0.21
HF22	c1b Temporary grass and clover leys		Ley grassland in 2024 – Perennial Rye Grass and an agricultural variant of Red Clover.	21/04/22 (JS), 18/08/22 (JS), 26/06/24 (JS)	10.09
HF22a	c1a5 Arable field margins - tussocky		Wide field margin, previously a grass buffer under Higher Level Stewardship.	21/04/22 (JS), 27/06/24 (JS)	0.38
HF23	g4 Modified grassland		Large Perennial Rye-grass field, regularly sprayed off and re-sown.	21/04/22 (JS), 18/08/22 (JS), 26/06/24 (JS)	19.05
HF24	w1f7 Other lowland mixed deciduous woodland	30, 31	Section 41 Priority Habitat. Part of narrow woodland belt with G06 and G06a, associated with an old lane. This section is shown as woodland on historic maps from the late 1800s, but as pasture on early maps. Oak and Ash over Hazel, Hawthorn, Elm, Dog's Mercury, nettles, brambles and Ground Ivy. Unmanaged.	22/04/22 (JS), 24/05/24 (HC)	0.38
HF25	c1b Temporary grass and clover leys		Ley grassland in 2024 – Perennial Rye Grass and an agricultural variant of Red Clover.	21/04/22 (JS), 18/08/22 (JS), 26/06/24 (JS)	10.95
HF25a	c1a6 Arable field margins – pollen and nectar		Wide field margin, previously sown as a “Wildflower Plot” under Higher Level Stewardship.	19/08/22 (JS), 27/06/24 (JS)	0.17
HF25c	c1a5 Arable field margins - tussocky		Wide field margin, previously a “12m grassland buffer” under Higher Level Stewardship.	21/04/22 (JS), 26/06/24 (JS)	0.64
HF26	g3c Other neutral grassland	16, 81	Rank grassland and tall forbs on ex-arable. Dominated by False Oat-grass, Yorkshire Fog, Creeping Bent, Common Couch, Cock's-Foot, Timothy, Ragwort and Creeping Thistle, previously an “in-field grass strip” under Higher Level Stewardship.	22/04/22 (JS), 19/08/22 (JS), 27/06/24 (JS)	1.88

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Area (ha)
HF27	c1c Cereal crops		Arable field.	22/04/22 (JS), 27/06/24 (JS)	3.85
HF28	c1c Cereal crops		Large arable field.	22/04/22 (JS), 27/06/24 (JS)	9.23
HF28a	c1a5 Arable field margins - tussocky		Wide field margin, previously a "12m grassland buffer" under Higher Level Stewardship.	21/04/22 (JS), 27/06/24 (JS)	0.27
HF28b	c1a6 Arable field margins – pollen and nectar		Field corner, previously sown as a "Wildflower Plot" under Higher Level Stewardship.	21/04/22 (JS), 27/06/24 (JS)	0.18
HF29	c1c Cereal crops		Large arable field.	22/04/22 (JS), 27/06/24 (JS)	8.82
HF29a	w1g Other woodland, broadleaved	29	Small copse in historic field corner on edge of HF29. Likely to have been planted. Oak over bramble and bare ground. Unmanaged.	19/08/22 (JS), 24/05/24 (HC)	0.14
HF29b	c1a5 Arable field margins - tussocky		Wide field margin, previously a grass buffer under Higher Level Stewardship.	21/04/22 (JS), 27/06/24 (JS)	0.23
HF30	g3c Other neutral grassland		Herb-poor paddock with Perennial Rye-grass, Yorkshire Fog, Rough Meadow-grass, False Oat-grass, Yarrow and Ragwort.	22/04/22 (JS), 27/06/24 (JS)	1.20
HF31	c1c Cereal crops		Arable field.	22/04/22 (JS), 27/06/24 (JS)	4.42
HF31a	c1a5 Arable field margins - tussocky		Wide field margin, previously a grass buffer under Higher Level Stewardship.	21/04/22 (JS), 27/06/24 (JS)	0.16
HF32	c1c Cereal crops		Arable field.	22/04/22 (JS), 27/06/24 (JS)	3.95
HF32a	c1a5 Arable field margins - tussocky		Wide field margin, previously a grass buffer under Higher Level Stewardship.	21/04/22 (JS), 27/06/24 (JS)	0.09
HF33	g3c Other neutral grassland		Grass paddock, appears species-poor and mown short. Not accessed up close.	22/04/22 (JS), 19/08/22 (JS), 27/06/24 (JS)	1.74

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Area (ha)
HF34	g4 Modified grassland		Small Perennial Rye-grass paddock behind CEDAR, grazed by Llamas in recent years.	22/04/22 (JS), 18/08/22 (JS), 27/06/24 (JS)	2.75
HF35	g4 Modified grassland		Perennial Rye-grass paddock behind CEDAR, regularly sprayed off and reseeded.	22/04/22 (JS), 18/08/22 (JS), 27/06/24 (JS)	3.71
HF36	g4 Modified grassland		Perennial Rye-grass field, regularly sprayed off and reseeded.	22/04/22 (JS), 18/08/22 (JS), 26/06/24 (JS)	2.53
HF37	g4 Modified grassland		Rank ungrazed paddock, mostly Perennial Rye-grass and Yorkshire Fog, invaded by nettles and thistles. Fails the UKHab criteria for g3c.	22/04/22 (JS), 18/08/22 (JS), 26/06/24 (JS)	1.21
HF38	g4 Modified grassland		Herb-poor permanent pasture dominated by Perennial Rye-grass, Yorkshire Fog, Soft Brome and Rough Meadow-grass. Fails the UKHab criteria for g3c.	22/04/22 (JS), 18/08/22 (JS), 26/06/24 (JS)	5.63
HF39	g4 Modified grassland		Herb-poor permanent pasture dominated by Perennial Rye-grass, Yorkshire Fog, Soft Brome and Rough Meadow-grass. Fails the UKHab criteria for g3c.	22/04/22 (JS), 18/08/22 (JS), 26/06/24 (JS)	5.02
HF40	g4 Modified grassland		Herb-poor permanent pasture dominated by Perennial Rye-grass, Yorkshire Fog, Soft Brome and Rough Meadow-grass. Fails the UKHab criteria for g3c.	22/04/22 (JS), 18/08/22 (JS), 26/06/24 (JS)	4.11
HF40a	g3c Other neutral grassland		Locally damp area within sown grassland HF40 that has been colonised by Marsh Foxtail, Creeping Bent and Creeping Buttercup, so more semi-natural in character although technically fails the criteria for g3c.	22/04/22 (JS), 18/08/22 (JS), 26/06/24 (JS)	0.71
HF41	w1f7 Other lowland mixed deciduous woodland	28, 30, 31	Section 41 Priority Habitat and PAWI. "Newbury's Copse", secondary Oak, Ash and Hazel woodland. Unlikely to be ancient as shown as "brushwood" and "gorse" on maps from the late 1800s. Unmanaged.	22/04/22 (JS), 18/08/22 (JS), 26/06/24 (JS), 29/04/25 (JS)	1.03
HF41a	w1d Wet woodland	30, 31	Section 41 Priority Habitat. Secondary Alder and Crack Willow woodland on the banks of the Loddon over a nutrient-enriched ground flora of nettles, Ground Ivy, Cleavers, Himalayan Balsam, Remote Sedge, Hemlock Water Dropwort and Dog's Mercury. Unmanaged.	22/04/22 (JS), 18/08/22 (JS), 26/06/24 (JS), 29/04/25 (JS)	1.99
HF41b	w1f7 Other lowland mixed deciduous woodland	30, 31	Section 41 Priority Habitat. Strip of dry secondary woodland between HF41 and HF41a. Also shown as "brushwood" on maps from late 1800s. Mainly Ash over Hawthorn, Hazel, bramble, nettles, Cleavers, Ground Ivy and Dog's Mercury. Unmanaged.	22/04/22 (JS), 18/08/22 (JS), 26/06/24 (JS), 29/04/25 (JS)	0.72

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Area (ha)
HF42	w1f7 Other lowland mixed deciduous woodland	30, 31	Strip of woodland higher up on river bank between HF41a and paddocks. Shown as mixed plantation woodland on maps from late 1800s, but appears young and sparse on 1940s aerial photographs and conifers no longer present, so the current woodland is assumed to be natural regrowth following clearance. Mainly Ash over Hazel, with an area of Wild Cherry and Wild Service Tree at northern end. Diverse ground flora with occasional Bluebells, but dominated by nettles and brambles in summer. Unmanaged.	22/04/22 (JS), 18/08/22 (JS), 26/06/24 (JS), 29/04/25 (JS)	1.06
HF42a	w1f7 Other lowland mixed deciduous woodland	29, 31	Historic plantation, mostly Holly, but now with Oak/Ash and scrub infill. Veteran Ash on boundary (old parish boundary). Fenced off. Unmanaged.	22/04/22 (JS), 18/08/22 (JS), 26/06/24 (JS), 29/04/25 (JS)	0.51
HF42b	w1g Other woodland, broadleaved	30, 31	Small area of secondary woodland that has spread into field from edge of HF42. Unmanaged.	22/04/22 (JS), 18/08/22 (JS), 26/06/24 (JS), 29/04/25 (JS)	0.15
HF43	h3h Mixed scrub	29	Scrub with young tree planting (circa 2005)	23/04/22 (JS), 26/06/24 (JS)	0.77
HF44	f2e Reedbeds	55	Section 41 Priority Habitat. Dense stands of Common Reed on floodplain within parcel HF46.	30/03/22 (JS), 26/06/24 (JS)	0.21
HF45	f2f Other wetlands	19, 55	Section 41 Priority Habitat (CFGM). Swamp that has spread out from ditch with dominant Greater Pond Sedge plus Reed Sweet Grass and Yellow Flag.	30/03/22 (JS), 18/08/22 (JS), 26/06/24 (JS), 30/04/25 (JS/AC)	1.69
HF46	g3c7 Deschampsia neutral grassland	16, 19, 29, 32, 55	Section 41 Priority Habitat (CFGM). Rank grassland dominated by Tufted Hair-grass and rows of planted Willow trees. Ungrazed abandoned meadow. Frequent nettles, thistles, Creeping Bent, Clustered Dock, occasional Hemlock Water Dropwort, Orange Balsam, Water Mint and Gypsywort.	30/03/22 (JS), 18/08/22 (JS), 26/06/24 (JS), 30/04/25 (JS/AC)	2.84
HF47	w1g Other broadleaved woodland	29	Young tree planting with scrub and brambles.	30/03/22 (JS), 18/08/22 (JS), 23/05/24 (HC)	0.50
HF48	f2f Other wetlands	16, 19, 55	Section 41 Priority Habitat (CFGM). Area of rank rush pasture and swamp vegetation in strip of previously disturbed ground on floodplain. Dominated by Soft Rush, Compact Rush, Greater Pond Sedge, Fleabane, Hemlock Water Dropwort and tall forbs such as Fleabane, nettles, thistles, Clustered Dock and Water Mint.	30/03/22 (JS), 18/08/22 (JS), 26/06/24 (JS)	0.22

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Area (ha)
HF49	g4 Modified grassland	19, 55	Section 41 Priority Habitat (CFGM). Herb-poor permanent pasture with Yorkshire Fog, Meadow Foxtail and Creeping Bent. Fails the UKHab criteria for g3c.	30/03/22 (JS), 18/08/22 (JS), 26/06/24 (JS)	0.72
HF50	g4 Modified grassland	19, 55	Section 41 Priority Habitat (CFGM). Herb-poor permanent pasture dominated by Yorkshire Fog, Perennial Rye-grass, Meadow Foxtail and Creeping Bent with occasional Hard Rush. Fails the UKHab criteria for g3c.	30/03/22 (JS), 18/08/22 (JS), 26/06/24 (JS)	0.60
HF50a	g3c Other neutral grassland	19, 55	Section 41 Priority Habitat (CFGM). Inundation grassland dominated by Marsh Foxtail, Creeping Bent and Creeping Buttercup. Herb-poor and technically fails the criteria for g3c, but more semi-natural in character than HF50.	30/03/22 (JS), 18/08/22 (JS), 26/06/24 (JS)	0.36
HF51	g4 Modified grassland		East of Barkham Brook. Herb-poor permanent pasture, dominated by Tufted Hair-grass, Creeping Bent, Perennial Rye-grass and Yorkshire Fog with occasional clumps of rushes. Fails g3c criteria.	30/03/22 (JS), 18/08/22 (JS), 26/06/24 (JS)	1.56
HF51a	g4 Modified grassland		East of Barkham Brook. Herb-poor permanent pasture, dominated by Yorkshire Fog, Creeping Bent, Perennial Rye-grass and Rough Meadow-grass. Fails g3c criteria.	30/03/22 (JS), 18/08/22 (JS), 26/06/24 (JS)	1.54
HF52	c1c Cereal crops		Large arable field.	30/03/22 (JS), 18/08/22 (JS), 26/06/24 (JS)	7.08
HF52a	c1a5 Arable field margins - tussocky		Wide field margin, previously a grass buffer under Higher Level Stewardship	21/04/22 (JS), 26/06/24 (JS)	0.07
HF53	w1f7 Other lowland mixed deciduous woodland	29, 31	"Loaders Piddle". Late Victorian plantation plus natural infill on ex arable/pasture land, mainly Ash over Hazel and Elm with nettles, brambles, Cleavers, Ground Ivy, Dog's Mercury and occasional Bluebells. Unmanaged.	21/04/22 (JS), 24/05/24 (HC), 30/04/25 (JS/AC)	1.54
HF54	w1h Other woodland, mixed	29	Leggy, scrubby, densely packed tree belt on southern boundary to Arborfield Road.	11/10/23 (JS), 24/05/24 (HC)	0.62
HF55	g4 Modified grassland		Herb-poor permanent pasture dominated by Perennial Rye-grass, Common Bent, Yorkshire Fog and Ragwort. Fails the UKHab criteria for g3c.	21/04/22 (JS), 18/08/22 (JS), 26/06/24 (JS)	2.90
HF56	g3c Other neutral grassland	14, 16	Rank pasture dominated by False Oat-grass, Yorkshire Fog, Creeping Bent, Cock's-foot and occasional Soft Rush, Jointed Rush and wetland forbs such as Greater Bird's-foot Trefoil, Wild Angelica and Fleabane. Scattered bramble scrub. Forms a single grazing unit with HF57 rush pasture.	21/04/22 (JS), 18/08/22 (JS), 26/06/24 (JS)	2.12

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Area (ha)
HF57	f2b Purple moor-grass and rush pastures	15	Section 41 Priority Habitat. Rank rush pasture on alluvial deposits with abundant Jointed Rush, Soft Rush, Compact Rush, Yorkshire Fog, Hoary Ragwort, Hemlock Water-dropwort, Clustered Dock, Fleabane, Greater Bird's-foot Trefoil, Creeping Thistle, Water Mint and scattered bramble. Full of bees in summer 2022.	21/04/22 (JS), 18/08/22 (JS), 26/06/24 (JS)	2.20
HF58	h3d Bramble scrub		Small block of bramble scrub on field boundary.	21/04/22 (JS), 18/08/22 (JS), 26/06/24 (JS)	0.03
HF59	w1f7 Other lowland mixed deciduous woodland	28	Section 41 Priority Habitat and PAWI. Loaders Copse. Derelict Ash/Maple/Hazel coppice woodland with several ancient woodland indicators in the ground flora. Dense Bracken and nettles have invaded the south-eastern edge. Unmanaged.	21/04/22 (JS), 18/08/22 (JS), 26/06/24 (JS), 30/04/25 (JS/AC)	1.85
HF59a	w1f7 Other lowland mixed deciduous woodland	28	Section 41 Priority Habitat and PAWI. Localised Greater Pond Sedge swamp within Loader's Copse. Drainage in this woodland likely to have been affected by the nearby M4 construction.	26/06/24 (JS)	0.09
HF59b	h3 Dense scrub		Block of the non-native invasive Cherry Laurel on corner of Loader's Copse.	26/06/24 (JS)	0.10
HF60	g3c7 Deschampsia neutral grassland	16, 19, 29, 32, 55	Section 41 Priority Habitat (CFGM). Rank, ungrazed grassland on the floodplain dominated by Tufted Hair-grass, Meadow Foxtail, Creeping Bent and tall forbs such as nettles, Hemlock Water-dropwort, Clustered Dock, Broad-leaved Dock and occasional Hairy Sedge and Marsh Bedstraw. Includes rows of young planted Willow trees.	21/04/22 (JS), 18/08/22 (JS), 26/06/24 (JS)	1.87
HF61	f2f Other wetlands	16, 19, 55	Section 41 Priority Habitat (CFGM). Open swampy area next to the river with Reed Sweet Grass, Greater Pond Sedge, Reed Canary Grass and tall wetland forbs such as Water Mint, Himalayan Balsam, Hedge Bindweed, Hemlock Water-dropwort, Fleabane, Greater Willowherb and nettles. Part of a mosaic with HF62.	21/04/22 (JS), 18/08/22 (JS), 26/06/24 (JS)	0.21
HF62	h3j Willow scrub	19, 55	Section 41 Priority Habitat (CFGM). Willow and Alder scrub over nettles, Himalayan Balsam and Broad-leaved dock Part of a mosaic with HF61.	21/04/22 (JS), 18/08/22 (JS), 26/06/24 (JS)	0.66
HF63	g3c Other neutral grassland		Mown lawns around the old church/Arborfield Hall complex.	29/03/22 (JS), 11/07/24 (JS)	0.30
HF64	u1 Built-up areas and gardens		House and garden near CEDAR.	19/08/22 (JS)	0.23
HF65	g4 Modified grassland		Small Perennial Rye-grass paddock next to farmyard.	19/08/22 (JS), 11/07/24 (JS)	0.19

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Area (ha)
HF66	g4 Modified grassland	10, 32	Small Perennial Rye-grass paddock next to farmyard, with scattered trees and scrub.	04/10/22 (JS), 11/07/24 (JS)	0.15
HF67	h3h Mixed scrub	29	Recently planted scrub and tree belt on the south-western edge of CEDAR.	04/10/22 (JS), 26/06/24 (JS)	0.50
HF68	w1g Other broadleaved woodland	29	Small block of mature, mostly ornamental trees on edge of old Arborfield Hall complex.	04/10/22 (JS), 24/05/24 (HC)	0.25
HF69	u1 Built-up areas and gardens		"The Firs" house and garden on Parkcorner Lane.	21/04/22 (JS), 27/06/24 (JS)	0.14
HF70	u1 Built-up areas and gardens		Various houses and gardens around the Hall Farm complex.	21/04/22 (JS), 11/07/24 (JS)	1.08
HF71	u1 Built-up areas and gardens	32	House and garden on Loader's Lane, with scattered trees.	21/04/22 (JS), 27/06/24 (JS)	0.26
HF72	w1f7 Other lowland mixed deciduous woodland	30, 31	Section 41 Priority Habitat. Small area of scrubby woodland next to Loader's Lane with Oak, Ash, Wild Cherry, Field Maple, Bracken. Not shown on old maps but appears wooded on 1940s aerials. Unmanaged.	21/04/22 (JS), 24/05/24 (HC)	0.35
HF73	u1f Sparsely vegetated urban land	10, 81	Small barn and yard off Loader's Lane. Mostly hardstanding with some colonisation by tall ruderal species and scrub.	19/08/22 (JS), 27/06/24 (JS)	0.25
HF74	g3c Other neutral grassland		Mown lawns around CEDAR,	21/04/22 (JS), 27/06/24 (JS)	0.37
HF75	w1f7 Other lowland mixed deciduous woodland	30, 31	Section 41 Priority Habitat. Thin strip of scrubby secondary woodland that has grown out from line of trees on Barrett's Lane.	21/04/22 (JS), 23/05/24 (HC)	0.10
HF76	u1b6 Other developed land		Buildings, hardstanding and bare ground around CEDAR.	23/04/22 (JS)	3.98
HF77	u1 Built-up areas and gardens		House and garden in former Arborfield Hall parkland.	23/04/22 (JS)	0.32
HF78	u1 Built-up areas and gardens		House and garden in former Arborfield Hall parkland.	23/04/22 (JS)	0.34

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Area (ha)
HF79	u1b6 Other developed land		Modern buildings and yard associated with Hall Farm.	29/03/22 (JS)	1.78
HF80	u1 Built-up areas and gardens		"South lodge" house and garden by site entrance on Arborfield Road.	23/04/22 (JS)	0.16
HF81	g3c Other neutral grassland	81	Tall ruderal vegetation on disturbed mound by CEDAR.	23/04/22 (JS), 26/06/24 (JS)	0.31
HF82	g3c Other neutral grassland	32, 90	Old church ruins and grounds within former Arborfield Hall complex with scattered trees.	04/10/22 (JS), 11/07/24 (JS)	0.01
HF83	h3d Bramble scrub		Short strip of bramble scrub on field edge.	12/10/22 (JS)	0.01
HF84	h3h Mixed scrub		Outgrown hedge with trees on Loader's Lane – too wide to map as a hedgerow.	12/10/22 (JS), 27/06/24 (JS)	0.10
HF85	h3h Mixed scrub		Outgrown hedge with trees on Loader's Lane – too wide to map as a hedgerow.	12/10/22 (JS), 27/06/24 (JS)	0.08
HF86	h3h Mixed scrub		Strip of riparian scrub along Barkham Brook with Willow, Alder, bramble, Pendulous Sedge and occasional Oak and Ash.	09/12/22 (JS), 27/06/24 (JS)	0.14
HF87	h3d Bramble scrub		Strip of bramble scrub on field edge.	09/12/22 (JS), 27/06/24 (JS)	0.01
HF88	h3h Mixed scrub		Tall, dense mixed scrub - mostly offsite –with Willow, Dogwood, Hawthorn, Oak, Rose, Elm, Ash and Bramble.	09/12/22 (JS), 27/06/24 (JS)	0.02
HF89	h3d Bramble scrub		Strip of bramble on field boundary	09/12/22 (JS), 27/06/24 (JS)	0.03
HF90	h3d Bramble scrub		Strip of roadside bramble scrub next to Mole Road.	09/12/22 (JS), 27/06/24 (JS)	0.03
HF91	h3d Bramble scrub		Strip of roadside bramble scrub next to Copse Barnhill Lane.	21/04/22 (JS), 27/06/24 (JS)	0.02
HF93	h3h Mixed scrub		Willow scrub that has grown out into field HF32 from the boundary hedgerow, with occasional Turkey Oak.	21/04/22 (JS), 27/06/24 (JS)	0.16

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Area (ha)
HF100	g3c Other neutral grassland		Small mown paddock off Julkes Lane	30/04/25 (JS)	0.11
HF101	u1 Built-up areas and gardens		Small strip of garden off Barrett's Lane, presumably within the site boundary by error	30/04/25 (JS)	0.03
HF102	g3c Other neutral grassland		Road verge by Julkes Lane	30/04/25 (JS)	0.01
North of the M4					
NM01	g3c Other neutral grassland	10	Horse grazed MG6 grassland, less diverse than NM03. In a mosaic with scattered scrub (NM01a). Mapped as CFGM on PHI, but over-ridden as sits just above the floodplain on river terrace deposits, with no evidence of wetland species on the ground.	25/02/22 (JS), 23/06/22 (JS), 27/06/24 (JS)	0.56
NM01a	h3h Mixed scrub		Larger blocks of mixed scrub within the NM01 grassland. Mapped as CFGM on PHI, but over-ridden as sits just above the floodplain on river terrace deposits, with no evidence of wetland species on the ground.	27/06/24 (JS)	0.32
NM03	g3c Other neutral grassland	10, 18	Dry grasslands, horse grazed, relatively species-rich with abundant Common Bent, Perennial Rye-grass, Yorkshire Fog, Crested Dog's-tail, Bird's-foot Trefoil, Lesser Hawkbit, Cat's-ear, Ribwort Plantain, White Clover, Ragwort, Self-heal, Ox-eye Daisy and Meadow Buttercup. In the transitional zone between NVC communities MG5 and MG6. Good example of g3c. Mapped as CFGM on PHI, but over-ridden as lies over freely-draining river terrace deposits with no evidence of wetland species on the ground.	25/02/22 (JS), 23/06/22 (JS), 27/06/24 (JS), 04/07/24 (JS/AC), 15/07/24 (JS/AC)	3.50
NM03a	g3c Other neutral grassland	10, 18	As per NM03, and a single grazing unit, but on an area of historic landfill (likely associated with construction of the M4 in the 1960s).	25/02/22 (JS), 23/06/22 (JS), 27/06/24 (JS), 04/07/24 (JS/AC), 15/07/24 (JS/AC)	3.56
NM04	h3h Mixed scrub		Strip of mixed scrub between NM03a and the M4 motorway	25/02/22 (JS), 27/06/24 (JS)	0.68

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Area (ha)
NM05	w1d Wet woodland	30, 31	Section 41 Priority Habitat. Wet woodland (NVC W6) on floodplain with Alder, Ash and Crack Willow over Elder, Hazel, bramble, Cleavers, nettles, Broad-leaved Dock, Common Comfrey and Rough-stalked Meadow-grass. Nutrient-rich and unmanaged.	25/02/22 (JS), 27/06/24 (JS), 28/04/25 (JS)	0.98
NM06	g3c Other neutral grassland	16, 19, 55	Rank unmanaged nutrient-rich floodplain grassland, long abandoned and invaded by Bramble and tall forbs such as Hemlock, Hemlock Water Dropwort, Meadowsweet, Hedge Bindweed, nettles and Common Comfrey.	25/02/22 (JS), 23/06/22 (JS), 27/06/24 (JS), 28/04/25 (JS)	0.56
NM07	g3c Other neutral grassland	10, 19, 55	Seasonally damp grassland, somewhat drier and more open than NM06 and NM07c with grasses and smaller forbs such as Yorkshire Fog, Cock's-foot, Meadow Foxtail, False Oat-grass, Meadow Buttercup, Creeping Buttercup, Tufted Vetch and Lesser Stitchwort. Accessible by horses in summer, but cut off by floodwater in winter.	25/02/22 (JS), 23/06/22 (JS), 27/06/24 (JS), 28/04/25 (JS)	0.94
NM07a	w1d Wet woodland	19, 30, 31, 55	Small patch of outgrown riparian Willow and Alder over nettles and Himalayan Balsam next to the Loddon. Unmanaged.	27/06/24 (JS)	0.25
NM07b	f2f Other wetlands	19, 55	Localised flush, dominated by mats of Trifid Bur-Marigold (NVC OV30). This inundation community is associated with high nitrogen levels.	27/06/24 (JS)	0.17
NM07c	g3c Other neutral grassland	16; 19, 55	Floodplain grassland long abandoned and taken over by bramble and dense tall forbs such as nettles, Soft Rush, Hemlock Water-dropwort, Himalayan Balsam, Hedge Bindweed, Meadowsweet and Common Comfrey. Similar to NM05.	25/02/22 (JS), 23/06/22 (JS), 27/06/24 (JS), 28/04/25 (JS)	0.53
NM08	h3h Mixed scrub	10, 16	Unmanaged scrub (mostly Hawthorn, Blackthorn and Elder) and tall ruderal vegetation on either side of access track from Lower Earley Way. Partly shown as CFGM on the PHI, but over-ridden as not evident on the ground.	25/02/22 (JS), 23/06/22 (JS), 27/06/24 (JS)	1.58
NM09	g3c Other neutral grassland	19, 55	Strip of seasonally flooded grassland alongside watercourse D61/D74, with Creeping Bent, Marsh Foxtail and Water-pepper.	25/02/22 (JS), 23/06/22 (JS), 27/06/24 (JS)	0.11
NM10	g3c Other neutral grassland		As per NM09, but not listed on as CFGM on the PHI. Inaccessible due to surrounding dense scrub.	25/02/22 (JS), 23/06/22 (JS), 27/06/24 (JS)	0.21
NM11	h3h Mixed scrub		Dense impenetrable scrub on southern edge of Lower Earley Way.	25/02/22 (JS), 23/06/22 (JS), 27/06/24 (JS)	0.41
NM13	h3h Mixed scrub		Dense impenetrable scrub and young trees between ditch D74 and the Loddon.	25/02/22 (JS), 23/06/22 (JS), 27/06/24 (JS)	0.44

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Area (ha)
NM14	w1d Wet woodland	19, 30, 31, 55	Strip of outgrown riparian Willow scrub and Alder trees along former back-channel of the River Loddon (D61). Unmanaged.	25/02/22 (JS), 23/06/22 (JS), 27/06/24 (JS), 28/04/25 (JS)	0.49
NM24	h3h Mixed scrub		Dense mixed scrub, mainly Hawthorn, Blackthorn and Elder. Mapped as CFGM on PHI, but over-ridden as sits just above the floodplain on river terrace deposits, with no evidence of wetland species on the ground.	25/05/22 (JS), 23/06/22 (JS), 27/06/24 (JS)	0.44
NM29	u1f Sparsely vegetated urban land	81	Ephemeral annuals, sedums, mosses etc in centre of roundabout on Lower Earley Way	28/04/25 (JS)	0.05
NM30	g3c Other neutral grassland		Grassy road verge between Lower Earley Way and footpath	28/04/25 (JS)	0.02
NM31	h3h Mixed scrub		Mixed roadside scrub planting along Lower Earley Way, mostly under 5m tall	28/04/25 (JS)	0.10
Swallows Meadow					
SM01	g3c Other neutral grassland		Rank MG1 grassland encroached by scrub and recent tree planting	28/04/25 (JS)	0.78
SM02	h3h Mixed scrub		Regrowth from 2020 clearance, mostly Bramble, Hawthorn and Blackthorn	28/04/25 (JS)	0.30
SM04	h3h Mixed scrub		Regrowth from 2020 clearance. Mostly Bramble, Hawthorn and Blackthorn, plus scattered young Ash with signs of dieback, and Goat Willow.	28/04/25 (JS)	0.54
SM05	h3h Mixed scrub		Regrowth from 2020 clearance. Mostly Bramble, Hawthorn and Blackthorn, plus scattered young Ash with signs of dieback.	28/04/25 (JS)	0.49
SM06	h3a Blackthorn scrub		Was rank MG1, now overtaken by Blackthorn scrub.	28/04/25 (JS)	0.11
SM07	w1g Other broadleaved woodland	29	Planted roadside tree belt between Lower Earley Way and Swallows Meadow.	28/04/25 (JS)	0.07
Whole Site					
n/a	u1b Developed land, sealed surface		Roads, lanes and tracks		6.41

Table A1.2: Habitat Survey Results: Linear Features

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Length (m)
Watercourses					
D01	r2b Other rivers and streams	48, 50	Part of "Lourdes Meadow Stream" - much modified watercourse, now functions as a ditch. West of the Loddon.	27/07/22 (LG), 10/07/24 (JS)	291
D02	r1g Other standing water	50	Modern ditch on floodplain. West of the Loddon.	27/07/22 (LG), 10/07/24 (JS)	211
D03	r2b Other rivers and streams	48, 50	Part of "Lourdes Meadow Stream" - much modified watercourse, now functions as a ditch. West of the Loddon.	27/07/22 (JS), 10/07/24 (JS)	75
D04	r2b Other rivers and streams	48, 50	Part of "Lourdes Meadow Stream" - much modified watercourse, now functions as a ditch. West of the Loddon.	10/02/23 (JS), 10/07/24 (JS)	191
D05	r2b Other rivers and streams	48, 50	Part of "Lourdes Meadow Stream" - much modified watercourse, now functions as a ditch. West of the Loddon.	27/07/22 (LG), 10/07/24 (JS)	162
D06	r1g Other standing water	50	Historic floodplain ditch. West of the Loddon.	27/07/22 (LG), 10/07/24 (JS)	167
D07	r1g Other standing water	50	Modern floodplain ditch. West of the Loddon.	27/07/22 (LG), 10/07/24 (JS)	228
D08	r2b Other rivers and streams	48, 50	Part of "Lourdes Meadow Stream" - much modified watercourse, now functions as a wide ditch. West of the Loddon.	10/02/23 (JS), 10/07/24 (JS)	552
D09	r1g Other standing water	50	Historic floodplain ditch. West of the Loddon.	10/02/23 (JS), 10/07/24 (JS)	77
D10	r1g Other standing water	50	Historic floodplain ditches within wet woodland complex. West of the Loddon.	27/07/22 (JS), 10/07/24 (JS)	730
D11	r1g Other standing water	50	Modern floodplain ditch. West of the Loddon.	26/07/22 (JS), 04/07/24 (JS)	71
D12	r1g Other standing water	50	Modern floodplain ditch. West of the Loddon.	27/07/22 (JS), 10/07/24 (JS)	400
D13	r1g Other standing water	50	Historic floodplain ditch within Lourdes Meadow, shallow and merging into surrounding grassland. West of the Loddon.	27/07/22 (JS), 10/07/24 (JS)	251

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Length (m)
D20	r2b Other rivers and streams	48, 50	Part of "Lourdes Meadow Stream" - much modified watercourse, now functions as a ditch. Feeds into wet woodland complex on floodplain. West of the Loddon.	14/09/22 (JS), 10/07/24 (JS)	661
D26	r1g Other standing water	50	Modern floodplain ditch within wet woodland complex. West of the Loddon.	13/10/22 (JS), 04/07/24 (JS)	193
D27	r1g Other standing water	50	Historic floodplain ditch extending out from wet woodland complex. Footprint mapped as Pond 05 for GCN survey. West of the Loddon.	13/10/22 (JS), 04/07/24 (JS)	75
D29	r1g Other standing water	50	Historic floodplain ditch on edge of wet woodland complex. West of the Loddon.	13/10/22 (JS), 04/07/24 (JS)	106
D33	r1g Other standing water	50	Historic ditch on SW edge of woodland EV31, along historic parish boundary. West of the Loddon.	13/10/22 (JS), 04/07/24 (JS)	140
D35	r1g Other standing water	50	Historic ditch on NW edge of woodland EV31. West of the Loddon.	13/10/22 (JS), 04/07/24 (JS)	158
D36	r1g Other standing water	50	Modern ditch on NE edge of woodland EV31. West of the Loddon.	13/10/22 (JS), 04/07/24 (JS)	209
D37	r1g Other standing water	50	Modern floodplain ditch. West of the Loddon.	26/07/22 (JS), 04/07/24 (JS)	108
D38	r1g Other standing water	50	Floodplain ditch not shown on old maps, but follows old wiggly boundary, likely to be historic. West of the Loddon.	26/07/22 (LG), 04/07/24 (JS)	223
D39	r1g Other standing water	50	Modern floodplain ditch. West of the Loddon.	27/07/22 (LG), 04/07/24 (JS)	32
D40	r1g Other standing water	50	Modern floodplain ditch. West of the Loddon.	27/07/22 (LG), 04/07/24 (JS)	211
D41	r1g Other standing water	50	Modern floodplain ditch on SW edge of Rushey Mead. West of the Loddon.	10/02/23 (JS), 04/07/24 (JS)	125
D42	r2b Other rivers and streams	50	Part of "Oldhouse stream" - much modified watercourse, now functions as a ditch. West of the Loddon.	26/07/22 (JS), 04/07/24 (JS)	174
D43	r1g Other standing water	50	Overgrown ditch alongside historic green lane. West of the Loddon.	14/07/22 (JS), 04/07/24 (JS)	496

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Length (m)
D44	r2b Other rivers and streams	50	Part of "Oldhouse Stream" - much modified, now functions as a ditch. West of the Loddon.	26/07/22 (JS), 04/07/24 (JS)	145
D45	r2b Other rivers and streams	50	Part of "Oldhouse Stream" - much modified, now functions as a ditch. Runs along western edge of Rushey Mead. West of the Loddon.	26/07/22 (JS), 04/07/24 (JS)	465
D46	r1g Other standing water	50	Historic floodplain ditch. West of the Loddon.	26/07/22 (JS), 04/07/24 (JS)	207
D46a	r1g Other standing water	50	Historic floodplain ditch. West of the Loddon.	26/07/22 (JS), 04/07/24 (JS)	135
D48	r1g Other standing water	50	Historic floodplain ditch, now within northern area of Rushey Mead woodland/scrub, functioning more as a pond. Wide, not flowing, choked with Lesser Pond Sedge. Dry in June 2023. West of the Loddon.	08/12/22 (AC), 04/07/24 (JS)	118
D50	r1g Other standing water	50	Historic floodplain ditch along eastern edge of Rushey Mead West of the Loddon.	26/07/22 (LG), 04/07/24 (JS)	290
D52	r2b Other rivers and streams	50	Part of "Oldhouse Stream" - much modified, now functions as a ditch. West of the Loddon.	27/07/22 (LG), 04/07/24 (JS)	473
D53	r1g Other standing water	50	Overgrown ditch alongside historic green lane. West of the Loddon.	14/09/22 (JS), 04/07/24 (JS)	189
D54	r1g Other standing water	50	Ditch on southern edge of New Covert plantation. West of the Loddon.	14/09/22 (JS), 10/07/24 (JS)	165
D55	r1g Other standing water	50	Ditch on southern edge of St John's Copse. West of the Loddon.	13/01/23 (JS), 10/07/24 (JS)	187
D56	r1g Other standing water	50	Modern ditch on edge of floodplain, west of the Loddon.	13/01/23 (JS), 10/07/24 (JS)	416
D57	r2b Other rivers and streams	48, 50	Part of "Oldhouse Stream" - much modified, now functions as a ditch. West of the Loddon.	26/07/22 (JS), 10/07/24 (JS)	518
D58	r1g Other standing water	50	Modern ditch, north of the M4.	13/09/22 (JS), 27/06/24 (JS)	309

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Length (m)
D59	r1g Other standing water	50	Modern ditch, north of the M4.	13/09/22 (JS), 27/06/24 (JS)	105
D60	r1g Other standing water	50	Modern floodplain ditch, north of the M4.	13/09/22 (JS), 27/06/24 (JS)	240
D61	r2b Other rivers and streams	50	Part of "Sindlesham Stream" – old channel of the River Loddon. Much modified, now functions as a ditch. North of the M4.	13/09/22 (JS), 27/06/24 (JS)	381
D63	r1g Other standing water	50	Modern ditch associated with field boundary and woodland edge, east of the Loddon.	12/10/22 (JS), 26/06/24 (JS)	415
D64	r1g Other standing water	50	Short section of modern field boundary ditch. Dry, shallow and choked with vegetation. East of the Loddon.	12/10/22 (JS), 26/06/24 (JS)	63
D65	r2b Other rivers and streams	47	Barkham Brook – natural section. East of the Loddon. Surveyed separately as part of River Condition Assessment.	n/a	1307
D66	r1g Other standing water	50	Modern ditch on floodplain east of the Loddon, choked with swamp vegetation.	18/08/22 (JS), 26/06/24 (JS)	618
D67	r1g Other standing water	50	Modern ditch on floodplain east of the Loddon, choked with swamp vegetation.	18/08/22 (JS), 26/06/24 (JS)	222
D68	r1g Other standing water	50	Modern ditch, formerly associated with field boundary but now surrounded by scrub and brambles. East of the Loddon.	12/10/22 (JS), 26/06/24 (JS)	150
D69	r1g Other standing water	50	Shallow ditch along woodland edge, east of the Loddon. Almost dry in winter.	11/01/23 (JS), 26/06/24 (JS)	308
D70	r1g Other standing water	50	Modern field boundary ditch east of the Loddon. Partly following, partly choked with scrub.	14/09/22 (JS), 10/07/24 (JS)	554
D71	r1g Other standing water	50	Modern woodland edge ditch on floodplain, flowing into the 'Sindlesham Stream'. North of the M4.	27/06/24 (JS)	92
D74	r1g Other standing water	50	Modern ditch on edge of gravel terrace/floodplain, north of the M4.	13/09/22 (JS), 27/06/24 (JS)	285
SM_D01	r1g Other standing water	50	Continuation of D58, culverted under Lower Earley Way, emerges in Swallows Meadow	28/04/25 (JS)	34

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Length (m)
Hedgerows					
H01	h2a Native hedgerow	11	Historic hedgerow with trees, mostly Oak and Willow with Hawthorn. West of the Loddon.	13/10/22 (LM), 04/07/24 (JS)	99
H02	h2a Native hedgerow	11	Native modern hedgerow with trees on Arborfield Road embankment. Mostly Hawthorn, Crack Willow, Rose, Elm and Bramble. West of the Loddon.	13/10/22 (AH), 04/07/24 (JS)	250
H03	h2a5 Species-rich native hedgerow	11	Historic hedgerow with trees, mostly Oak and Ash with Willow, Hawthorn, Blackthorn, Elm and Dog Rose. West of the Loddon	13/10/22 (JS), 04/07/24 (JS)	229
H04	h2a5 Species-rich native hedgerow	11	Hedgerow with trees - historic section (northern part of H04 is modern addition). Mostly Ash and Oak with Field Maple, Blackthorn, Elm, Hawthorn, Dog Rose. West of the Loddon.	13/10/22 (AH), 04/07/24 (JS)	122
H04	h2a5 Species-rich native hedgerow	11	Hedge with trees, mostly Ash and Oak with Field Maple, Blackthorn, Elm, Hawthorn, Dog Rose. Modern extension to existing part of H04. West of the Loddon.	13/10/22 (AH), 04/07/24 (JS)	137
H05	h2a5 Species-rich native hedgerow	11	Historic hedgerow with trees including Oak, Ash, Alder, Field Maple, Elm, Dog Rose, Guelder Rose, Hawthorn and Willow. West of the Loddon.	13/10/22 (AH), 04/07/24 (JS)	273
H06	h2a5 Species-rich native hedgerow	11	Historic hedgerow with trees, flailed. Ash standards over Dog Rose, Blackthorn, Hawthorn and Elm. Flailed. West of the Loddon.	13/10/22 (LM), 04/07/24 (JS)	268
H07	h2a5 Species-rich native hedgerow	11	Modern straight-line hedgerow with trees. Oak standards with scrubby Hawthorn, Blackthorn, Elder and Field Maple. West of the Loddon.	13/10/22 (LM), 04/07/24 (JS)	89
H08	h2a Native hedgerow	11	Historic line of Willow with Oak, Field Maple and Hawthorn, now outgrowing into a woodland belt. Dense Willow on the way to becoming woodland. West of the Loddon.	13/10/22 (LM), 04/07/24 (JS)	47
H09	h2a Native hedgerow	11	Historic hedgerow with trees, mostly Oak and Ash over Blackthorn. West of the Loddon.	10/02/23 (JS), 04/07/24 (JS)	108
H10	h2a Native hedgerow		Historic hedgerow with Hazel and Blackthorn. West of the Loddon.	10/02/23 (JS), 04/07/24 (JS)	84
H11	h2a5 Species-rich native hedgerow	11	Historic hedgerow with trees, severed by the A327 Relief Road. Oak and Willow standards over Elder, Hawthorn and Dog Rose. West of the Loddon.	13/10/22 (LM), 04/07/24 (JS)	122
H12	h2a5 Species-rich native hedgerow	11	Historic hedgerow with trees and wide ditch. Willow, Ash and Field Maple standards with Hawthorn, Rose and younger Willow and Field Maple. West of the Loddon.	13/10/22 (LM), 04/07/24 (JS)	227

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Length (m)
H13	h2a5 Species-rich native hedgerow	11	Hedgerow with trees. Oak and Ash standards over Blackthorn, hawthorn, Elder and Dog Rose, west of the Loddon.	13/10/22 (LM), 04/07/24 (JS)	76
H14	h2a Native hedgerow	11	Surviving section of a once longer hedgerow with trees, the remainder now isolated trees. Historic field boundary, now defunct. Pedunculate Oak and Blackthorn, east of the Loddon.	09/12/22 (JS), 04/07/24 (JS)	53
H16	h2a5 Species-rich native hedgerow	11	Historic hedgerow with trees, including a veteran Oak plus Ash, Willow, Sycamore, Field Maple, Dog Rose, Hawthorn, Blackthorn and Dogwood. West of the Loddon.	13/10/22 (CS), 04/07/24 (JS)	401
H21	h2a Native hedgerow	11	Scrappy Blackthorn. Hawthorn with Field Maple trees along northern edge of track. West of the Loddon.	14/09/22 (JS), 04/07/24 (JS)	130
H22	h2a Native hedgerow		Scrubby Blackthorn hedgerow developing along fence line south of track with Dog Rose and Elder. No trees. West of the Loddon.	14/09/22 (JS), 04/07/24 (JS)	65
H23	h2a5 Species-rich native hedgerow	11	Hedgerow with trees including Oak and Ash standards over Hawthorn, Blackthorn, Dog Rose, Dogwood, Hazel. West of the Loddon.	13/10/22 (CS), 04/07/24 (JS)	222
H24	h2a5 Species-rich native hedgerow	11	Historic double hedgerow with trees, ditch running through the middle. Ash, Oak and Willow over Elm, Hawthorn and Dog Rose, west of the Loddon.	13/10/22 (CS), 04/07/24 (JS)	69
H25	h2a5 Species-rich native hedgerow	11	Sparse, scrappy hedgerow with trees along the "Lourdes Meadow stream" watercourse. Ash standards with Field Maple, Willow, Hawthorn, Blackthorn and Dog Rose. West of the Loddon.	14/09/22 (JS), 04/07/24 (JS)	194
H26	h2a5 Species-rich native hedgerow	11	Historic hedgerow with trees. Oak standards and Ash (with dieback) over Hawthorn, Blackthorn, Rose, Yew, Dogwood, Willow, Field Maple. Unmanaged, sparse shrub layer especially at southern end. With ditch and bank. West of the Loddon.	08/12/22 (AC), 04/07/24 (JS)	306
H27	h2a5 Species-rich native hedgerow	11	Historic hedgerow with trees. Oak, Willow and Alder over Hawthorn, Blackthorn, Dogwood, Field Maple and Dog Rose. With ditch and bank. West of the Loddon.	08/12/22 (AC), 04/07/24 (JS)	113
H28	h2a Native hedgerow	11	Short stub of historic hedgerow with trees on old field boundary. Veteran Oak stub with Hawthorn, Blackthorn, Field Maple and Willow. West of the Loddon.	08/12/22 (AC), 04/07/24 (JS)	73
H29	h2a Native hedgerow	11	Degraded, gappy hedgerow with trees including Ash pollards over scrappy Hawthorn, Blackthorn, Rose, and Field Maple. West of the Loddon.	08/12/22 (AC), 04/07/24 (JS)	194
H30	h2a Native hedgerow		Short stub of historic hedgerow on old field boundary, associated with old farmstead (no longer present). No trees. Hawthorn, Blackthorn and Field Rose. West of the Loddon.	08/12/22 (AC), 04/07/24 (JS)	52

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Length (m)
H31	h2a Native hedgerow	11	Gappy hedgerow with trees along historic green lane with Willow, Dog Rose, Blackthorn, Elm and Bramble. West of the Loddon.	14/09/22 (JS), 04/07/24 (JS)	155
H32	h2a5 Species-rich native hedgerow	11	Gappy historic hedgerow with trees. Ash dieback present. West of the Loddon.	13/01/22 (JS), 04/07/24 (JS)	106
H33	h2a Native hedgerow	11	Historic hedgerow with trees. Oak standards (including one veteran at eastern end) over continuous bramble scrub. West of the Loddon.	13/01/22 (JS), 04/07/24 (JS)	144
H34	h2a Native hedgerow		Historic hedgerow. Young Alder, Blackthorn and Willow – gappy and disintegrating into patches of scrub. West of the Loddon.	10/02/22 (JS), 04/07/24 (JS)	208
H35	h2a Native hedgerow	11	Historic Blackthorn hedge with Ash standards. West of the Loddon.	14/09/22 (JS), 04/07/24 (JS)	254
H36	h2a Native hedgerow	11	Historic hedgerow with one veteran Ash stub at western end. Otherwise Blackthorn, Elder, Willow and Buddleia. West of the Loddon.	13/01/23 (JS), 10/07/24 (JS)	270
H39	h2a Native hedgerow		Short section of scrappy Blackthorn hedge alongside historic track between St John's Copse and New Covert, west of the Loddon.	14/09/22 (JS), 10/07/24 (JS)	32
H42	h2a Native hedgerow	11	Flailed blackthorn with Field maple standards and a veteran Oak alongside historic track between St John's Copse and New Covert, west of the Loddon.	14/09/22 (JS), 10/07/24 (JS)	45
H43	h2a5 Species-rich native hedgerow	11	Hedgerow with trees along northern edge of historic green lane, south of New Covert. Field Maple standards with a dense shrub layer of Blackthorn, Hawthorn, Dogwood and Willow. West of the Loddon.	14/09/22 (JS), 10/07/24 (JS)	275
H49	h2a5 Species-rich native hedgerow	11	Historic hedgerow with trees on floodplain. Willow over Elder, Dog Rose, Blackthorn and Hawthorn, west of the Loddon.	13/10/22 (LM), 04/07/24 (JS)	96
H50	h2a Native hedgerow	11	Historic hedgerow with trees. Ash and Oak over Blackthorn. East of the Loddon.	13/09/22 (JS), 26/6/24 (JS)	80
H51	h2a Native hedgerow	11	Historic hedgerow with trees Ash, Oak and some Goat Willow over Blackthorn and bramble. East of the Loddon.	13/09/22 (JS), 26/6/24 (JS)	116
H60	h2a Native hedgerow		Hedgerow on historic field boundary with Blackthorn, Elder, Elm, Hawthorn, lots of Bramble. East of the Loddon.	12/10/22 (JS), 26/06/24 (JS)	183

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Length (m)
H61	h2a5 Species-rich native hedgerow	11	Hedgerow with trees on field boundary. Oak and Ash standards with Blackthorn, Hawthorn, Goat Willow and Dog Rose. East of the Loddon.	12/10/22 (JS), 26/06/24 (JS)	295
H62	h2a5 Species-rich native hedgerow	11	Hedgerow with trees alongside historic Barrett's Lane east of the Loddon. Oak and Field Maple standards over Blackthorn, Hawthorn, Elder, Elm and Dog Rose.	12/10/22 (JS), 26/06/24 (JS)	385
H63	h2a Native hedgerow	11	Short length of Blackthorn hedgerow with Oak and Ash standards, east of the Loddon.	12/10/22 (JS), 26/06/24 (JS)	69
H64	h2a Native hedgerow	11	Hedgerow with trees along historic field boundary. Ash and Oak standards with Hawthorn and Blackthorn, east of the Loddon.	12/10/22 (JS), 26/06/24 (JS)	203
H65	h2a5 Species-rich native hedgerow	11	Hedgerow with trees along historic field boundary. Ash and Oak standards with leggy Elm, Blackthorn, Hawthorn, Dog Rose, Elder, Hazel (large stools at northern end). East of the Loddon.	12/10/22 (JS), 26/06/24 (JS)	298
H66	h2a Native hedgerow		Newly planted Hawthorn (still in guards), with a few young Ash and Oak standards. Along field boundary east of the Loddon.	12/10/22 (JS), 26/06/24 (JS)	196
H67	h2a Native hedgerow		Planted Dogwood and Hawthorn screening around Holly plantation. East of the Loddon.	11/01/23 (JS), 27/06/24 (JS)	134
H69	h2a Native hedgerow	11	Field boundary hedgerow with trees. Ash, Oak, Turkey Oak, Sycamore and Field Maple standards with Hawthorn, Blackthorn, Dog Rose and Elder. East of the Loddon.	11/01/23 (JS), 27/06/24 (JS)	256
H71	h2a5 Species-rich native hedgerow	11	Hedgerow with trees along historic Cartershill Lane east of the Loddon. Oak standards with Ash, Field Maple, Blackthorn, Dog Rose, Hawthorn. Shrub layer sparse, but continuous	21/10/22 (JS), 27/06/24 (JS)	146
H77	h2a Native hedgerow	11	Hedgerow with trees along historic field boundary, connected to Dog Kennel Copse, east of the Loddon.	21/10/22 (JS), 10/05/24 (HC)	192
H79	h2a5 Species-rich native hedgerow	11	Hedgerow with trees along historic Cartershill Lane east of the Loddon. Ash and Oak standards over Elm, Blackthorn, Hawthorn and Field Maple and Bluebells.	21/10/22 (JS), 27/06/24 (JS)	340
H80	h2a Native hedgerow	11	Hedgerow with trees along historic Barrett's Lane east of the Loddon. Oak and Ash standards with Blackthorn, Field Maple and younger Oak.	12/10/22 (LM), 27/06/24 (JS)	423
H81	h2a Native hedgerow	11	Hedgerow with trees along historic Barrett's Lane east of the Loddon. Oak and Field Maple standards with Ash, Field Maple, Hawthorn and non-native conifers.	12/10/22 (LM), 27/06/24 (JS)	349

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Length (m)
H82	h2a5 Species-rich native hedgerow	11	Hedgerow with trees along historic Cartershill Lane east of the Loddon. Ash and Oak standards over Elm, Blackthorn, Hawthorn, Dog Rose, Elder, Horse Chestnut and Bluebells.	21/10/22 (JS), 27/06/24 (JS)	343
H83	h2a5 Species-rich native hedgerow	11	Hedgerow with trees on historic boundary. Field Maple trees with Blackthorn, Hawthorn, Elm, Dog Rose and Willow. East of the Loddon.	12/10/22 (LM), 27/06/24 (JS)	316
H84	h2a5 Species-rich native hedgerow	11	Hedgerow with trees along the west bank of the Barkham Brook, east of the Loddon. Oak, Ash and Field Maple trees with Blackthorn, Hawthorn, Hazel, Dogwood, Holly, Willow and Turkey Oak.	09/02/23 (JS), 27/06/24 (JS)	395
H86	h2a5 Species-rich native hedgerow	11	Hedgerow with trees along historic field boundary. Pedunculate Oak, Turkey Oak, Holly, Willow and Elm, east of the Loddon.	09/12/22 (JS), 27/06/24 (JS)	262
H87	h2a5 Species-rich native hedgerow	11	Gappy, leggy, flailed hedgerow with trees on historic field boundary. Oak and Ash standards with Willow, Dogwood, Elm and Blackthorn, east of the Loddon.	09/12/22 (JS), 27/06/24 (JS)	210
H88	h2a5 Species-rich native hedgerow	11	Hedgerow with trees alongside historic Copse Barnhill Lane, east of the Loddon. Pedunculate Oak and Ash standards with Elm, Hawthorn, Blackthorn and Turkey Oak.	09/12/22 (JS), 27/06/24 (JS)	472
H89	h2a5 Species-rich native hedgerow	11	Hedgerow with trees alongside historic Copse Barnhill Lane, east of the Loddon. Mostly Bramble with some Ash, Hawthorn and Rose - improves towards southern end with a dense Elm section before disintegrating into pure bramble. Turkey Oak and Pedunculate Oak standards.	09/12/22 (JS), 27/06/24 (JS)	323
H90	h2a Native hedgerow	11	Short section of dense, flailed Hawthorn along southern edge of historic Parkcorner Lane, east of the Loddon.	09/12/22 (JS), 27/06/24 (JS)	98
H91	h2a Native hedgerow	11	Gappy roadside hedgerow with trees, including a veteran Pedunculate Oak pollard. Mostly Turkey Oak and saplings with bramble, a bit of Blackthorn and Dog Rose. East of the Loddon along Mole Road.	09/12/22 (JS), 27/06/24 (JS)	381
H92	h2a Native hedgerow	11	Young Ash trees over Hawthorn, Willow, Rose, Cherry Laurel and a lot of Bramble and Ivy along northern edge of historic Parkcorner Lane, east of the Loddon.	09/12/22 (JS), 27/06/24 (JS)	77
H93	h2a Native hedgerow	11	Hedgerow with trees - mature Oak and young Ash standards with small amounts of Holly, Elder, Hawthorn and mostly bramble along northern edge of historic Parkcorner and Julkes Lanes, east of the Loddon.	09/12/22 (JS), 27/06/24 (JS)	69

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Length (m)
H94	h2a5 Species-rich native hedgerow	11	Hedgerow with young Ash trees over Elm, Hawthorn, Blackthorn and Dog Rose, along historic field boundary east of the Loddon.	09/12/22 (JS), 27/06/24 (JS)	202
H95	h2b Non-native and ornamental hedgerow		Bramble and young Cherry planting, along field boundary east of the Loddon.	13/09/22 (JS), 27/06/24 (JS)	184
H96	h2a Native hedgerow	11	Gappy roadside hedgerow with trees. Turkey Oak, Willow and Blackthorn, east of the Loddon along Mole Road.	09/12/22 (JS), 27/06/24 (JS)	116
H97	h2a5 Species-rich native hedgerow	11	Continuous with LT09, but to the east of eroded ditch/gully (LT09 is to the west). Historic hedgerow with trees including veteran Oak and Ash with Field Maple, Elm, Hawthorn and Blackthorn. West of the Loddon.	08/12/22 (AC), 04/07/24 (JS)	125
H98	h2a Native hedgerow	11	Part of the historic curved boundary associated with former Lower Earley Farm. Section of mature Ash standards over Hawthorn, Dog Rose, Blackthorn on an eroded bank. West of the Loddon.	08/12/22 (AC), 04/07/24 (JS)	58
H99	h2a5 Species-rich native hedgerow	11	Hedgerow with trees along historic boundary. Pedunculate Oak and young Ash standards over outgrown Hawthorn, Willow, Holly, a single Privet, Blackthorn, some Turkey Oak and Dog Rose. Unmanaged and outgrown, invaded by adjacent scrub. East of the Loddon.	09/12/22 (JS), 27/06/24 (JS)	201
H100	h2a Native hedgerow	11	Western-most section of the historic curved boundary associated with former Lower Earley Farm. Section of mature Ash standards over Blackthorn on an eroded bank. West of the Loddon.	08/12/22 (AC), 04/07/24 (JS)	80
H103	h2a Native hedgerow	11	Hedgerow with trees on left bank of the Barkham Brook, east of the Loddon. Mostly Blackthorn with isolated Oak and Field Maple standards.	12/10/22 (JS), 26/06/24 (JS)	230
H104	h2a Native hedgerow		Hawthorn hedge alongside historic Barrett's Lane east of the Loddon, with occasional Oak trees.	12/10/22 (LM), 27/06/24 (JS)	368
H106	h2a5 Species-rich native hedgerow	11	Hedgerow with Oak and Field Maple trees with Elder, Elm, Holly, Blackthorn and Dog Rose along historic Holloway's Lane, east of the Loddon.	12/10/22 (LM), 27/06/24 (JS)	232
H107	h2a Native hedgerow		Short length of young Blackthorn hedgerow, east of the Loddon.	21/10/22 (JS), 27/06/24 (JS)	83
H111	h2a Native hedgerow	11	Gappy blackthorn hedgerow with trees on western edge of historic drove road between floodplain and St Johns Copse. West of the Loddon.	14/09/22 (JS), 27/06/24 (JS)	166

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Length (m)
H112	h2a Native hedgerow		Short section of hedgerow on western side of old green lane. Leggy Blackthorn and Field Maple with Bramble. West of the Loddon.	14/09/22 (JS), 04/07/24 (JS)	57
H114	h2a5 Species-rich native hedgerow		Native hedgerow with Blackthorn, Dog Rose, Elm, Hawthorn and Elder along historic "Langley Lane" east of the Loddon.	12/10/22 (JS), 27/06/24 (JS)	188
H115	h2a5 Species-rich native hedgerow	11	Dense intact hedgerow with trees including Ash, Alder, Willow, Elder, Blackthorn and Hawthorn, North of the M4, along Lower Earley Way.	13/09/22 (JS), 27/06/24 (JS)	316
H116	h2a5 Species-rich native hedgerow	11	Dense, intact hedgerow with trees with Ash and Hawthorn. North of the M4.	13/09/22 (JS), 27/06/24 (JS)	284
H117	h2a5 Species-rich native hedgerow	11	Hedgerow with trees – Field Maple, Willow, Hawthorn, Blackthorn and Dog Rose. North of the M4.	13/09/22 (JS), 27/06/24 (JS)	196
Lines of Trees					
LT01	w1 Broadleaved and mixed woodland	33	Planted line of Willow over historic ditch, west of the Loddon.	13/10/22 (LM), 04/07/24 (JS)	111
LT04	w1 Broadleaved and mixed woodland	33	Line of Ash, Willow, Alder and Oak over Dogwood alongside "Lourdes Meadow Stream". Some early evidence of Ash dieback. West of the Loddon.	13/10/22 (CS), 04/07/24 (JS)	204
LT07	w1 Broadleaved and mixed woodland	34	Line of Ash along historic field boundary. West of the Loddon	14/09/22 (JS), 04/07/24 (JS)	317
LT08	w1 Broadleaved and mixed woodland	34	Historic curved line of mature, some veteran trees including veteran pollard Oak and old Field Maple coppice. Marks old field boundary associated with Lower Earley Farm (no longer present). No shrub layer. West of the Loddon.	08/12/22 (AC), 04/07/24 (JS)	105
LT09	w1 Broadleaved and mixed woodland	34	Historic line of Ash, Field Maple and Oak (including several veterans) over Hazel and Crab Apple. Eroded ditch and bank. West of the Loddon.	08/12/22 (AC), 04/07/24 (JS)	164
LT10	w1 Broadleaved and mixed woodland	34	Historic line of Alder stools (including some veterans) alongside "Oldhouse Stream". Ash and Oak standards also present along with Blackthorn, Field Maple, Willow and Hawthorn, mostly over Bramble. West of the Loddon.	08/12/22 (AC), 04/07/24 (JS)	169
LT11	w1 Broadleaved and mixed woodland	33	Gappy line of Oak and Ash along historic field boundary. Little understorey. West of the Loddon.	13/01/23 (JS), 04/07/24 (JS)	138

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Length (m)
LT12	w1 Broadleaved and mixed woodland	33	Gappy line of mature Oaks along historic field boundary. Little understorey. West of the Loddon.	13/01/23 (JS), 04/07/24 (JS)	81
LT13	w1 Broadleaved and mixed woodland	34	Line of trees on historic boundary with veteran Oak pollards. Some Blackthorn, Alder and bramble in the understorey. Alongside "Oldhouse Stream", west of the Loddon.	13/01/23 (JS), 04/07/24 (JS)	130
LT15	w1 Broadleaved and mixed woodland	33	Short line of Oak, Ash and Elm, east of the Loddon.	21/10/22 (JS), 27/06/24 (JS)	41
LT16	w1 Broadleaved and mixed woodland	33	Line of Lombardy Poplar next to CEDAR, east of the Loddon.	13/09/22 (JS), 26/06/24 (JS)	109
LT17	w1 Broadleaved and mixed woodland	33	Line of Horse Chestnut along driveway to former Arborfield Hall, east of the Loddon.	11/01/23 (JS), 10/07/24 (JS)	224
LT18	w1 Broadleaved and mixed woodland	33	Line of Horse Chestnut along driveway to former Arborfield Hall, east of the Loddon.	11/01/23 (JS), 10/07/24 (JS)	261
LT19	w1 Broadleaved and mixed woodland	33	Turkey Oak and Pedunculate Oak over scraps of bramble, Holly, Blackthorn and Broom along southern edge of historic Parkcorner Lane, east of the Loddon.	09/12/22 (JS), 27/06/24 (JS)	286
LT20	w1 Broadleaved and mixed woodland	34	Line of x4 mature trees through field HF22, remnants of a historic field boundary. Oak and Ash, including a veteran Oak. East of the Loddon.	12/10/22 (LM), 27/06/24 (JS)	122
LT21	w1 Broadleaved and mixed woodland	34	Line of Oaks and Leylandii on historic boundary, east of the Loddon. Very large veteran Oak at far eastern end.	09/12/22 (JS), 27/06/24 (JS)	187
LT23	w1 Broadleaved and mixed woodland	33	Gappy line of Oaks over Bracken and bramble along historic Betty Grove Lane, east of the Loddon.	09/12/22 (JS), 27/06/24 (JS)	191
LT24	w1 Broadleaved and mixed woodland	33	Gappy line of Turkey Oak and Pedunculate Oak over a small amount of Blackthorn and Bramble along northern edge of historic Parkcorner Lane, east of the Loddon.	09/12/22 (JS), 27/06/24 (JS)	197
LT27	w1 Broadleaved and mixed woodland	34	Remnant of an historic field boundary, severed by the M4. Line of Oak, Ash and Field Maple over Hawthorn, including some veteran trees. West of the Loddon.	08/12/22 (AC), 04/07/24 (JS)	45
LT29	w1 Broadleaved and mixed woodland	34	Line of Ash and Oak over scrappy bits of scrub and Bramble along left bank of the Barkham Brook, east of the Loddon.	12/10/22 (JS), 26/06/24 (JS)	157

ID	UKHab	Secondary Codes	Notes	Surveyor/ dates	Length (m)
LT30	w1 Broadleaved and mixed woodland	34	Line of Oak, Hazel and Ash over scraps of Hawthorn, Elm, bramble and Bracken along historic Loader's Lane, east of the Loddon.	12/10/22 (JS), 26/06/24 (JS)	73
LT31	w1 Broadleaved and mixed woodland	33	Line of trees along historic Barrett's Lane east of the Loddon. Ash and Oak over sparse Willow, Elm and Elder.	12/10/22 (LM), 27/06/24 (JS)	375
LT32	w1 Broadleaved and mixed woodland	34	Line of mature Oak over Bramble and Bracken, some Holly and Blackthorn Alongside historic Julkes Lane, east of the Loddon.	09/12/22 (JS), 27/06/24 (JS)	165
LT33	w1 Broadleaved and mixed woodland	34	Short line of x3 Ash pollards within the historic curved boundary associated with former Lower Earley Farm. Veteran features due to poor form and health – trees re relatively young. On eroded bank, west of the Loddon.	08/12/22 (AC), 04/07/24 (JS)	37
LT34	w1 Broadleaved and mixed woodland	33	Line of Ash and Turkey Oak on edge of St Bartholomew's churchyard, east of the Loddon.	11/01/23 (JS), 04/07/24 (JS)	212
LT35	w1 Broadleaved and mixed woodland	34	Line of Oak and Ash trees with occasional Field Maple and Willow along historic field boundary. West of the Loddon.	13/01/23 (JS), 10/07/24 (JS)	185
LT38	w1 Broadleaved and mixed woodland	34	Short line of mature Pedunculate Oaks over bramble, east of the Loddon.	11/07/24 (JS)	37
Shinfield Studios Committed Future Baseline Areas					
SS_D	h2a5 Species-rich native hedgerow	11, 62	Committed future baseline for Shinfield Studios BNG	n/a	137
SS_D	h2a5 Species-rich native hedgerow	11, 62	Committed future baseline for Shinfield Studios BNG	n/a	152
SS_D	h2a5 Species-rich native hedgerow	11, 62	Committed future baseline for Shinfield Studios BNG	n/a	418