



Botley West Solar Farm

Environmental Statement

Volume 3

Appendix 9.13: Biodiversity Net Gain Statement

November ~~September~~ 2024-2025

PINS Ref: EN010147

Document Ref: EN010147/APP/6.5

Revision P0-P1

APFP Regulation 5(2)(a); Planning Act 2008; and Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulation

Biodiversity Net Gain Statement for Botley West Solar Farm

Prepared for PVDP on behalf of RPS
by
Wychwood Biodiversity

~~7th November 2024~~ September 2025



Introduction

This Appendix of the Environmental Statement (ES) has been prepared by RPS on behalf of Photovolt Development Partners GmbH. (PVDP) for the Applicant, SolarFive Ltd. (SolarFive).

The purpose of this technical report is to present the methodology and results of the Biodiversity Net Gain Assessment for the Project. The results of this report have been used to inform Chapter 9: Ecology and Nature Conservation of the ES.

This September 2025 version has been updated to account for the alterations to the Project associated with Change Request 2, as set out in the Change Request Report [EN010147/APP/16.2]. This includes the following changes:

1. Reduction in Order Limits boundary to reduce the solar installation area south west of Bladon, -and removal of solar arrays on land east of Bladon and on land north of Heath Lane;
2. Reduction in Order Limits boundary to reduce the solar installation area near to Oxford Airport;
3. Refinement of Project layout and design to reposition the main Project substation and secondary substation as shown on Sheet 13b of the Works Plans [AS-005];
4. Reduction in Order Limits boundary to reduce solar installation on land east of Lower Road;
5. Refinement of Project layout and design to remove installation areas overlapping with Flood Zones 2 and 3;
6. Refinement of Project layout and design to include an additional installation area within Southern Site;
7. Reduction in Order Limits boundary to remove small parcels of land owned by Oxfordshire County Council (Estates);
8. Refinement of Project layout and design to reposition the Public Rights of Way currently proposed to be stopped up and diverted back to definitive alignment;
9. Reduction in Order Limits boundary to remove an area of land along Wharf Road;
10. Clarification of the role of the community educational facility; and,
11. Refinement of Project layout and design to secure the latest design parameters for the new National Grid substation.

Project site

The Project site comprises a landscape of arable fields divided by a mature hedgerow network. In order to inform the assessment of effects on ecology receptors, the Project site has been subjected to the following biodiversity surveys reported in the following appendices of this ES:

- Appendix 9.2 Phase 1 Habitat Survey
- Appendix 9.3 Hedgerow Surveys
- Appendix 9.4 Bat Surveys
- Appendix 9.5 Great Crested Newt Surveys
- Appendix 9.6 Invertebrate Surveys
- Appendix 9.7 Reptile Surveys
- Appendix 9.8 Badger Surveys (CONFIDENTIAL)

- Appendix 9.9 Breeding Bird Surveys
- Appendix 9.10 Wintering Bird Surveys
- Appendix 9.11 Dormice Surveys
- Appendix 9.12 Arable Weed Surveys
- Appendix 9.15 Veteran Tree Surveys

Relevant legislation

The Environment Act 2021 included provisions applying certain BNG requirements to the Nationally Significant Infrastructure Projects (NSIP) regime. At >500MW, the Botley West Project is categorised as an NSIP. A BNG requirement is proposed to be imposed on NSIP projects from November 2025, with the level of requirement detailed within a BNG statement(s) presently expected to be set at a minimum of 10%.

The consultation¹ sets out that projects which have been accepted for Examination prior to the November 2025 date would not be required to deliver that minimum BNG target but could choose to do so voluntarily. In this context, and noting the position remains subject to further confirmation from Government, whilst there is no legal requirement for the Project to deliver BNG, the design has been developed such that the extent of net gain possible has been maximised within the parameters of the Project.

BNG Methodology

BNG approach

The approach to BNG adopted with respect to the Project is in accordance with British Standards: BS 8683 - Process for Designing and Implementing Biodiversity Net Gain (BSI 2021) and BNG Guidance (Gov.uk 2024).

All calculations for BNG have been undertaken using the Statutory Biodiversity Metric (known as the Defra Metric) and associated technical guidance notes (Natural England, 2023). This enables a comparison of the biodiversity units present on site prior to development, and the post-development units to be created once the Project is complete.

The Defra Metric uses the UK Habitat Classification System (UKHab, 2023) for each habitat present and assigns a distinctiveness score to each, depending on the rarity of the habitat. Users are required to then assign an ecological condition to each habitat parcel, using the criteria provided in the Statutory Biodiversity Metric – Technical Annex 1: Condition Assessment Sheets and Methodology (GOV.UK, 2024).

The Defra Metric then calculates a habitat unit score based on these factors with those of higher distinctiveness and better ecological condition scoring highest.

The post-development calculations incorporate scaling factors that account for the difficulty of creating a habitat and the time required to establish it, ensuring these elements are reflected in the final score. The metric also accounts for planting taking place in advance of impacts occurring (resulting in a higher score) and when such planting is delayed (decreasing it).

¹ The [Consultation on Biodiversity Net Gain Regulations and Implementation; Consultation outcome Government response and summary of responses. Updated 21 February 2023 \(defra.gov.uk\)](#).

Terrestrial habitat survey

Habitats within the area were initially recorded using Phase 1 Habitat Survey methodology (JNCC 2010) as reported in **Appendix 9.2 Phase 1 Habitat Survey**.

These were then converted to the UKHab classification using the translation guidance in the Defra Metric.

Post-development plans

The calculation of the post-development habitat areas is based on the indicative masterplan design at the time of submission. For full details please refer to Chapter 6 Project Description and Figures 2.1 – 2.3 in Volume 2 of the ES.

Calculation of habitat areas and lengths

Areas and lengths of habitat were calculated from ArcGIS based on the baseline habitat surveys and post development plans. Areas were calculated from a GIS database and then converted to hectares at an accuracy of 0.001 ha. The rounding of habitat areas to this accuracy means that the before and after area calculations do not match exactly.

The BNG Assessment has considered the area of land within the three Project site areas (the Northern Site Area, the Central Site Area and the Southern Site Area). It does not consider the cable route corridors between the sites as these are either within arable land or the highway network. Since both of these habitats can readily be restored post-construction and the period of construction is less than two years, as per the BNG Guidelines (Gov.uk 2024), no BNG assessment has been completed for the cable route corridors. This position was also agreed with Natural England during pre-submission consultation.

Strategic significance

The BNG metric includes a Strategic Significance multiplier for both the baseline and post development habitat creation and enhancement.

Strategic Significance has been assigned based on two variables:

- If the habitat is located within the Oxfordshire Nature Recovery Network (ONRN, shown on Figure 1), it is assigned a value of '*Formally identified in local strategy*'; and
- If the habitat is not located within a CTA for Oxfordshire, it is assigned a value of 'Area/compensation not in local strategy/no local strategy'.

The category 'Location ecologically desirable but not in local strategy' is usually reserved for habitat that is in a strategically significant location (i.e. along a water course or through within habitat attached to one) but not formally identified. In the case of this development, the category was not used, as all habitats were judged to fall into one of the two categories shown above.

The ONRN includes Conservation Target Areas (CTAs). In all, nine CTAs fall within 2km of the proposed development (Table 1), of which four overlap with the Project site, highlighted in Table 1.

Table 1. Biodiversity Opportunity Areas within 2km of the proposed development

BOA Name	Landscape type	Area (Ha)	BAP targets
Glyme & Dorn Valleys CTA*	Wooded pasture valleys & slopes	2,496	Limestone grassland, lowland meadow, fen, swamp & reedbed, parkland, lowland mixed deciduous woodland, rivers management & restoration.

BOA Name	Landscape type	Area (Ha)	BAP targets
Lower Cherwell Valley CTA	River meadows	609	Lowland meadow, Floodplain grazing marsh, lowland fen, reedbed, rivers management & restoration.
Oxford Meadows and Farmoor CTA*	River meadows	1,653	Lowland meadows, floodplain grazing marsh, fen / swamp, ponds, arable field margins, hedgerows, reedbeds management & restoration.
Thames & Cherwell at Oxford CTA	River meadows	660	Lowland meadows, fen / swamp, reedbed, river management & restoration.
Wytham Hill CTA*	Wooded hills	903	Lowland mixed deciduous woodland, limestone grassland, lowland fens, lowland meadow, wood pasture & parkland, floodplain grazing marsh management & restoration.
Wychwood & Lower Evenlode CTA	Wooded farmland, settled ancient pastures	4,765	Lowland mixed deciduous woodland, limestone grassland, parkland, lowland heath and dry acid grassland, hedgerows, arable field margins, ponds, traditional orchards management & restoration.
Blenheim & Ditchley Parks CTA	Wooded estateland	2,651	Parkland, wood pasture, lowland mixed deciduous woodland, arable field margins management & restoration.
Oxford Heights West CTA*	Wooded estateland	3,297	Lowland heath and dry acid grassland, fen, lowland mixed deciduous woodland, lowland meadows, lowland calcareous grassland, arable field margins management & restoration.
Upper Thames CTA	Flat riverside land	2,284	Lowland meadows, floodplain grazing marsh, reedbeds management & restoration.

* CTA within Project site.

Advance or delay in habitat creation

In order to account for both advance planting (i.e. that occurring in advance of development impacts) and any delay in habitat creation between impacts occurring and planting taking place, the BNG metric includes the advance/delay multiplier.

No advance planting has been identified at this stage. As such, this component of the metric is set to '0' for all habitats.

Baseline Conditions

Baseline conditions are classified as the existing habitats present on the site prior to development. This includes the area of each baseline habitat type, along with their condition and strategic significance, where applicable.

Habitat and hedgerow baseline

While the majority of the site comprises arable farmland, the two key ecology habitat features that occur within the site are the hedgerow network (comprising some 70km of both species rich and species poor native hedgerow) and the River Evenlode Corridor. Currently, this corridor comprises almost exclusively further intensively-managed arable fields within the active floodplain of the river.

Outside of the Site but very close to it are a number of blocks of ancient woodland and other water courses including the River Glyne and River Cherwell. The River Thames and associated floodplain meadows are also close to the Site. The various river systems both within and around the Site form a contiguous habitat corridor through the landscape.

Full details of the habitats present within the Project site are set out in Appendix 9.2 Phase 1 Habitat Survey. Figure 2 shows the areas impacted by the Project (i.e. those areas where a change in habitat would occur).

The completed Statutory Biodiversity Metric Tool is provided, appended to the end of this document.

Below is a breakdown of each habitat type per area and then the total length of each hedgerow type rounded to two decimal places. The total area within the BNG study area is 1,298,210.80Ha ~~93Ha~~ and the total length of hedgerows is 72.96km.

Cropland

- Cereal crops: 1,146,640 ~~34.86~~Ha (comprising the largest proportion of the site)
- Arable field margins tussocky: ~~32.66Ha~~ 00Ha
- Arable field margins game bird mix: 1.2Ha

Grassland

- Modified grassland: ~~124,122.35Ha~~ 25Ha
- Other neutral grassland covers 3.64Ha

Woodland and forest

- Other woodland; broadleaved: ~~10,119.88~~Ha
- Other coniferous woodland: 0.33Ha
- Lowland mixed deciduous woodland: 0.02Ha

Heathland and scrub

- Mixed scrub: 1.99Ha

Ponds and lakes

- Ponds (non-priority habitat): 0.02Ha

Sparsely vegetated land

- Ruderal/ephemeral: 3.03Ha

Urban

- Developed land; sealed surface: 2.94Ha
- Bare ground: 0.87Ha

The baseline habitats score for the BNG study area is 2,734 ~~558.37~~ 08 habitat units.

Hedgerows

Overall, there are ~~72.96~~67.88km of hedgerow across the site. These are categorised into habitats as follows:

- Native hedgerows: ~~3331.95~~km78km
- Native hedgerows with trees: ~~6.75~~km68km
- ~~Non-native and ornamental: 0.31~~km
- Species-rich native hedgerow: ~~2421.21~~km85km
- Species-rich native hedgerow with trees: ~~7.74~~km57km

The baseline hedgerows score for the BNG study area is ~~589561.56~~30 hedgerow units.

Habitat and hedgerow creation and enhancement plan

Overall objectives

The landscape for the Project has been designed to ensure an overall enhancement for biodiversity and to ensure that any impacts as a result of the Project are fully mitigated.

The biodiversity objectives are to protect, manage, enhance and monitor the nature conservation value of the site, creating a biodiversity rich environment – in line with the aims of the Oxfordshire Nature Recovery Network (ONRN). All biodiversity objectives are listed in Section [Error! Reference source not found.8](#) of the Outline Landscape and Ecology Management Plan (oLEMP) (Doc Ref EN010147/APP/7.6.3), including the provision of designated Biodiversity Enhancement Areas, which are areas designed for ecology and have low human intervention.

The management of the site shall seek to balance the Sites operational objectives within the existing vegetation and context of the locality. It will lead to the retention, enhancement and management of the existing hedgerows and trees; particularly strengthening and maintaining hedgerow boundaries. The management aims will ensure longevity of new tree and hedge planting, and the establishment of grasslands, woodlands and most notably a landscape-scale wetland corridor along the River Evenlode.

The River Evenlode Corridor will be restored to a mosaic of Floodplain Meadow to comprise a matrix of grasslands and wetland features to provide enhanced habitat for a range of species including bats, birds and invertebrates. The area will be restored through a comprehensive restoration plan, based on the principles set out in the oLEMP. The ultimate goal of the Corridor will be to manage it in such a manner that it contributes significantly to the increase in floodplain habitat within Oxfordshire and, in time, be of at least Local Wildlife Site quality.

The connectivity between the Site and surrounding woodlands will be enhanced through the provision of over 26.5km of new hedgerow. In particular, these will provide links in the Northern Site Area between Tackley Wood and the Blenheim Estate, the Central Site Area between the Blenheim Estate and Bladon and Burleigh Woods and the various woodlands in the Southern Site Area including the SSSI at Wytham.

Areas of former arable land around the Site that are to be protected to preserve the underground archaeology will be managed as meadow grassland to provide wildlife nodes within the Site. These will be managed to provide a continuity of habitat for breeding and wintering birds.

In addition to the strategic enhancements, the grassland management within and around the solar arrays will be subject to a new conservation grazing regime. These areas will be seeded to a modified grassland habitat type, once established these areas will be grazed (primarily by sheep).

In summary, the habitat creation and enhancement plan will include the following key elements:

- Circa 100ha of new Floodplain mosaic habitats along the River Evenlode Corridor;
- At least 26.5km of new species rich hedgerow;
- Over 25km of enhanced hedgerows
- Circa 5ha of new native woodland creation;
- Wildflower grasslands to be managed for wintering and breeding birds;
- Tussocky grasslands alongside hedgerows. Hedgerow buffers will range from 5m to 25m, depending on whether such features are important bat flight lines;
- Flood attenuation features to north of Cassington;
- Additional mixed scrub habitats alongside hedgerows; and
- A range of grasslands within the solar arrays to be managed for conservation value.

Habitat and hedgerow condition targets

Newly created or enhanced habitats would be required to meet a target condition that is considered achievable within the establishment and management plan. Tracking the condition progress of each habitat throughout the lifetime of the solar farm will be a key component to the overall biodiversity monitoring strategy. Each developing habitat must satisfy the relevant condition assessment criteria outlined in *'Condition Assessment Criteria for Created and Enhanced Habitats.'*

Habitat and hedgerow creation

Habitat Creation involves establishing entirely new habitats in an area where they did not previously exist. This process may include activities such as planting native vegetation, sowing new grasslands, or excavating wetland features, such as ponds. The goal is to increase the overall habitat availability, diversity, and connectivity.

The completed Statutory Biodiversity Metric Tool is provided, appended to the end of this document.

Below is a breakdown of the habitat types to be created per area, in accordance with the UKHab classification:

Cropland

- Cereal crops: 0.~~14~~Ha ~~10~~Ha

Grassland

- Other neutral grassland: ~~160~~151.52~~Ha~~71Ha
- Floodplain wetland mosaic and CFGM: ~~101.38~~92.65~~Ha~~
- Modified grassland: ~~950~~855.26~~Ha~~64Ha

Woodland and forest

- Other woodland; broadleaved: 4.~~69~~Ha ~~45~~Ha

Heathland and scrub

- Mixed scrub: 2.~~71~~Ha ~~19~~Ha

Urban

- Developed land; sealed surface: 4.~~57~~Ha ~~98~~Ha
- Bare ground or artificial, unvegetated, unsealed surface: ~~30.59~~27.07~~Ha~~

The habitat units delivered for creating habitat within the BNG study area is ~~4,688~~428.97~~.32~~ habitat units.

Hedgerows

Below is a breakdown of the hedgerow types to be created per length, in accordance with the UKHab classification:

- Native species rich hedgerow: 30.~~73~~km ~~54~~km

The hedgerow units for created hedgerows within the BNG study area is 239.87 hedgerow units.

Habitat and hedgerow enhancement

Habitat enhancement involves improving the condition of existing habitats or converting them into habitats of higher distinctiveness. This can include activities such as adjusting management practices, increasing native plant diversity, removing invasive species, or enhancing soil health.

For habitats, a total of 26.09Ha of poor condition modified grassland is to be enhanced to ~~1210.34Ha~~ 81Ha of moderate condition modified grassland and ~~1310.75Ha-22Ha~~ of good condition other neutral grassland.

The habitat units delivered for enhancing habitats within the BNG study area (Figure 1) is ~~156.74~~ 112.74 habitat units. Figure 1 shows the new areas of habitat to be enhanced throughout the site, in map format.

For hedgerows, a total of ~~3021.12-73~~ km of native hedgerows is to be enhanced from poor or moderate condition to good condition. As per the oLEMP, these will be enhanced to species rich hedgerows with some mature trees. On a precautionary basis, this calculation only captures the hedgerows that are to be specifically enhanced, often for landscape mitigation purposes. In reality, the management of all hedgerows on site will be as per the principles set out in the oLEMP which should result in any that are currently in poor or moderate condition becoming in good condition with any that lack mature trees (i.e. are native/native species rich hedgerows rather than native/native species rich hedgerows with trees) allowed to develop such features. On a precautionary basis, the uplift in hedgerow BNG that would result from such management has not been captured within the BNG metric at this stage in order that the minimum uplift that the Project would deliver is demonstrated.

The hedgerow units for enhanced hedgerows within the BNG study area is ~~167.21~~ 268.43 hedgerow units. Figure 1 shows the new areas of hedgerows to be enhanced throughout the site, in map format.

The completed Statutory Biodiversity Metric Tool is provided, appended to the end of this document.

Modified grassland - Target condition: Good

To achieve modified grassland – good condition, the habitat is required to pass 6 or 7 of the below criteria including passing essential criterion A.

- **Criterion A:** There are 6-8 vascular plant species per m² present, including at least 2 forbs (these may include those listed in Footnote 1).
- Note - this criterion is essential for achieving Moderate or Good condition.
- **Criterion B:** Sward height is varied (at least 20% of the sward is less than 7 cm and at least 20% is more than 7 cm) creating microclimates which provide opportunities for vertebrates and invertebrates to live and breed.
- **Criterion C:** Any scrub present accounts for less than 20% of the total grassland area. (Some scattered scrub such as bramble *Rubus fruticosus* agg. may be present).
Note - patches of scrub with continuous (more than 90%) cover should be classified as the relevant scrub habitat type.
- **Criterion D:** Physical damage is evident in less than 5% of total grassland area. Examples of physical damage include excessive poaching, damage from machinery use or storage, erosion caused by high levels of access, or any other damaging management activities.
- **Criterion E:** Cover of bare ground is between 1% and 10%, including localised areas (for example, a concentration of rabbit warrens).
- **Criterion F:** Cover of bracken *Pteridium aquilinum* is less than 20%.
- **Criterion G:** There is an absence of invasive non-native plant species³ (as listed on Schedule 9 of WCA4).

Modified grassland - Target condition: Moderate

To achieve modified grassland – moderate condition, the habitat is required to pass 4 or 5 of the above criteria including passing essential criterion A.

Modified grassland - Target condition: Poor

To achieve modified grassland – poor condition, the habitat is required to pass 3 or less of the above criteria.

Floodplain wetland mosaic and CFGM - Target condition: Good

To achieve modified grassland – good condition, the habitat is required to pass 5 or 6 of the below core criteria, including criterion A and additional criterion J.

- **Criterion A:** The water table is at, or near the surface throughout the year - this could be open water or saturation of soil at the surface. There is no artificial drainage, unless specifically to maintain water levels as specified above.
Note - this criterion is essential for achieving Good condition.
- **Criterion B:** The parcel represents a good example of its specific habitat type - the appearance and composition of the vegetation closely matches its UKHab description, with vascular and non-vascular characteristic indicator species consistently present.
- **Criterion C:** The water supplies (groundwater, surface water and or rainwater) to the wetland are of good water quality, with clear water (low turbidity) indicating no obvious signs of pollution.

- **Criterion D:** Cover of scrub and scattered trees are less than 10%.
- **Criterion E:** Cover of bare ground is less than 5%.
- **Criterion F:** There is an absence of invasive non-native plant species (as listed on Schedule 9 of WCA3) and species indicative of suboptimal condition⁴ make up less than 5% of ground cover.
- **Criterion J:** All ditches recorded within the habitat achieve Good condition as assessed using the Ditch condition sheet below.

Ditches – Target condition: Good

To achieve ditches – good condition, the habitat is required to pass all 8 of the below criteria.

- **Criterion A:** The ditch is of good water quality, with clear water (low turbidity) indicating no obvious signs of pollution.
- **Criterion B:** A range of emergent, submerged and floating-leaved plants are present. As a guide >10 species of emergent, floating or submerged plants present in a 20 m ditch length.
- **Criterion C:** There is less than 10% cover of filamentous algae and or duckweed *Lemna spp.* (these are signs of eutrophication).
- **Criterion D:** A fringe of aquatic marginal vegetation is present along more than 75% of the ditch.
- **Criterion E:** Physical damage is evident along less than 5% of the ditch, with examples of damage including: excessive poaching, damage from machinery use or storage, or any other damaging management activities.
- **Criterion F:** Sufficient water levels are maintained - as a guide a minimum summer depth of approximately 50 cm in minor ditches and 1 m in main drains.
- **Criterion G:** Less than 10% of the ditch is heavily shaded.
- **Criterion H:** There is an absence of non-native plant and animal species.

Mixed scrub - Target condition: Good

To achieve mixed scrub – good condition, the habitat is required to pass all 5 of the below criteria.

- **Criterion A:** The parcel represents a good example of its habitat type - the appearance and composition of the vegetation closely matches its UKHab description (where in its natural range).
 - At least 80% of scrub is native.
 - There are at least three native woody species,
 - No single species comprises more than 75% of the cover (except hazel *Corylus avellana*, common juniper *Juniperus communis*, sea buckthorn *Hippophae rhamnoides* (only in its restricted native range), or box *Buxus sempervirens*, which can be up to 100% cover).
- **Criterion B:** Seedlings, saplings, young shrubs and mature (or ancient or veteran) shrubs are all present.
- **Criterion C:** There is an absence of invasive non-native plant species⁴ (as listed on Schedule 9 of WCA5) and species indicative of suboptimal condition make up less than 5% of ground cover.
- **Criterion D:** The scrub has a well-developed edge with scattered scrub and tall grassland and or forbs present between the scrub and adjacent habitat.
- **Criterion E:** There are clearings, glades or rides present within the scrub, providing sheltered edges.

Ponds (non-priority habitat) - Target condition: Good

For woodland ponds to achieve good condition, all 7 of the below core criteria must be passed. For non-woodland ponds to achieve good condition, all 7 of the core criteria and the additional 2 criteria must be passed.

Core Criteria - applicable to all ponds (woodland and non-woodland):

- **Criterion A:** The pond is of good water quality, with clear water (low turbidity) indicating no obvious signs of pollution. Turbidity is acceptable if the pond is grazed by livestock
- **Criterion B:** There is semi-natural habitat (moderate distinctiveness or above) completely surrounding the pond, for at least 10 m from the pond edge for its entire perimeter.
- **Criterion C:** Less than 10% of the water surface is covered with duckweed *Lemna spp.* or filamentous algae.
- **Criterion D:** The pond is not artificially connected to other waterbodies, such as agricultural ditches or artificial pipework.
- **Criterion E:** Pond water levels can fluctuate naturally throughout the year. No obvious artificial dams, pumps or pipework.
- **Criterion F:** There is an absence of listed non-native plant and animal species.
- **Criterion G:** The pond is not artificially stocked with fish. If the pond naturally contains fish, it is a native fish assemblage at low densities.
- *Additional Criteria - must be assessed for all non-woodland ponds:*
- **Criterion H:** Emergent, submerged or floating plants (excluding duckweed) cover at least 50% of the pond area which is less than 3 m deep.
- **Criterion I:** The pond surface is no more than 50% shaded by adjacent trees and scrub.

Ponds (non-priority habitat) - Target condition: Moderate

For woodland ponds to achieve moderate condition, 5-6 of the above 7 core criteria must be passed. For non-woodland ponds to achieve moderate condition, 6-8 of the 9 criteria above must be passed.

Other broadleaved woodland - Target condition: Moderate

To achieve Other broadleaved woodland – moderate condition, the habitat must be assessed to reach a total score of 26 to 32 on the woodland condition assessment table (Table 2).

Table 2. woodland condition assessment table

Indicator	Good (3 points)	Moderate (2 points)	Poor (1 point)
A Age distribution of trees	Three age-classes present.	Two age-classes present.	One age-class present.
B Wild, domestic and feral herbivore damage	No significant browsing damage evident in woodland.	Evidence of significant browsing pressure is present in less than 40% of whole woodland.	Evidence of significant browsing pressure is present in 40% or more of whole woodland.
C Invasive plant species	No invasive species present in woodland.	<i>Rhododendron ponticum</i> or cherry laurel <i>Prunus laurocerasus</i> not present, and other invasive species <10% cover.	<i>Rhododendron</i> or cherry laurel present, or other invasive species ≥10% cover.
D Number of native tree species	Five or more native tree or shrub species found across woodland parcel.	Three to four native tree or shrub species found across woodland parcel.	Two or less native tree or shrub species across woodland parcel.
E Cover of native tree and shrub species	>80% of canopy trees and >80% of understory shrubs are native.	50 - 80% of canopy trees and 50 - 80% of understory shrubs are native.	<50% of canopy trees and <50% of understory shrubs are native.
F Open space within woodland	10 - 20% of woodland has areas of temporary open space. Unless woodland is <10ha, in which case 0 - 20% temporary open space is permitted ⁷ .	21 - 40% of woodland has areas of temporary open space.	<10% or >40% of woodland has areas of temporary open space. But if woodland <10ha has <10% temporary open space, please see Good category.
G Woodland regeneration	All three classes present in woodland; trees 4 - 7 cm Diameter at Breast Height (DBH), saplings and seedlings or advanced coppice regrowth.	One or two classes only present in woodland.	No classes or coppice regrowth present in woodland.
H Tree health	Tree mortality 10% or less, no pests or diseases and no crown dieback.	11% to 25% tree mortality and or crown dieback or low-risk pest or disease present.	Greater than 25% tree mortality and or any high-risk pest or disease present ⁸ .
I Vegetation and ground flora	Recognisable NVC plant community at ground layer present, strongly characterised by ancient woodland flora specialists.	Recognisable woodland NVC plant community at ground layer present.	No recognisable woodland NVC plant community at ground layer present.
J Woodland vertical structure	Three or more storeys across all survey plots, or a complex woodland.	Two storeys across all survey plots.	One or less storey across all survey plots.
K Veteran trees	Two or more veteran trees per hectare.	One veteran tree per hectare.	No veteran trees present in woodland.
L Amount of deadwood	50% of all survey plots within the woodland parcel have deadwood, such as standing and fallen deadwood, large dead branches and or stems, branch stubs and stumps, or an abundance of small cavities.	Between 25% and 50% of all survey plots within the woodland parcel have deadwood, such as standing and fallen deadwood, large dead branches and or stems, stubs and stumps, or an abundance of small cavities.	Less than 25% of all survey plots within the woodland parcel have deadwood, such as standing and fallen deadwood, large dead branches and or stems, stubs and stumps, or an abundance of small cavities.
M Woodland disturbance	No nutrient enrichment or damaged ground evident.	Less than 1 hectare in total of nutrient enrichment across woodland area, and or less than 20% of woodland area has damaged ground.	1 hectare or more of nutrient enrichment, and or 20% or more of woodland area has damaged ground.

Hedgerows (all) – Target condition: Good

To achieve hedgerows – good condition, the habitat must not fail more than two of the below criteria (e.g., A1 & C2), and must not fail more than one of the functional group criteria (e.g., failing both A1 and A2 would not achieve Good condition),

- **Criterion A1:** Height >1.5 m average along length
"The average height of woody growth estimated from base of stem to the top of the shoots, excluding any bank beneath the hedgerow, any gaps or isolated trees. Newly laid or coppiced hedgerows are indicative of good management and pass this criterion for up to a maximum of four years (if undertaken according to good practice). A newly planted hedgerow does not pass this criterion (unless it is >1.5 m height)."
- **Criterion A2:** Width >1.5 m average along length
"The average width of woody growth estimated at the widest point of the canopy, excluding gaps and isolated trees. Outgrowths (such as blackthorn *Prunus spinosa* suckers) are only included in the width estimate when they are >0.5 m in height. Laid, coppiced, cut and newly planted hedgerows are indicative of good management and pass this criterion for up to a maximum of four years (if undertaken according to good practice)."
- **Criterion B1:** Gap - hedge base
Gap between ground and base of canopy <0.5 m for >90% of length "This is the vertical 'gappiness' of the woody component of the hedgerow, and its distance from the ground to the lowest leafy growth. Certain exceptions to this criterion are acceptable (see page 65 of the Hedgerow Survey Handbook)."
- **Criterion B2:** Gap - hedge canopy continuity
"Gaps make up <10% of total length; and No canopy gaps >5 m" "This is the horizontal 'gappiness' of the woody component of the hedgerow. Gaps are complete breaks in the woody canopy (no matter how small). Access points and gates contribute to the overall 'gappiness' but are not subject to the >5 m criterion (as this is the typical size of a gate)."
- **Criterion C1:** Undisturbed ground and perennial vegetation
">1 m width of undisturbed ground with perennial herbaceous vegetation for >90% of length;· Measured from outer edge of hedgerow; and· Is present on one side of the hedgerow (at least)."
- **Criterion C2:** Nutrient-enriched perennial vegetation
Plant species indicative of nutrient enrichment of soils dominate <20% cover of the area of undisturbed ground. The indicator species used are nettles *Urtica* spp., cleavers *Galium aparine* and docks *Rumex* spp. Their presence, either singly or together, does not exceed the 20% cover threshold.
- **Criterion D1:** Invasive and neophyte species
>90% of the hedgerow and undisturbed ground is free of invasive non-native plant species (including those listed on Schedule 9 of WCA3) and recently introduced species. Recently

introduced species refer to plants that have naturalised in the UK since AD 1500 (neophytes). Archaeophytes count as natives. For information on archaeophytes and neophytes see the JNCC website⁴, as well as the BSBI website⁵ where the 'Online Atlas of the British and Irish Flora'⁶ contains an up-to-date list of the status of species. For information on invasive non-native species see the GB Non-Native Secretariat website.

– **Criterion D2:** Current damage

>90% of the hedgerow or undisturbed ground is free of damage caused by human activities. "This criterion addresses damaging activities that may have led to or lead to deterioration in other attributes. This could include evidence of pollution, piles of manure or rubble, or inappropriate management practices (for example, excessive hedgerow cutting)."

Additional group - applicable to hedgerows with trees only

– **Criterion E1:** Tree class

There is more than one age-class (or morphology) of tree present (for example: young, mature, veteran and or ancient⁸), and there is on average at least one mature, ancient or veteran tree present per 20 - 50m of hedgerow. This criterion addresses if there are a range of age-classes or morphologies which allow for replacement of trees and provide opportunities for different species.

– **Criterion E2:** Tree health

At least 95% of hedgerow trees are in a healthy condition (excluding veteran features valuable for wildlife). There is little or no evidence of an adverse impact on tree health by damage from livestock or wild animals, pests or diseases, or human activity. This criterion identifies if the trees are subject to damage which compromises the survival and health of the individual specimens.

Hedgerows (all) – Target condition: Good

To achieve hedgerows – moderate condition, the habitat must not fail more than four of the above criteria and it must not fail both attributes in more than one functional group (e.g., failing both A1 and A2, and B1 and B2, would not achieve moderate condition).

Biodiversity Net Gain calculation

The total area of broad habitat types lost and gained as a result of the Project are provided in Table 3 together with the value of these habitats based on the Defra metric.

The area of habitat impacted by the Project had a before development score of ~~2,734.372~~2,558.08 habitat units. Post-development, the same area scores ~~4,943.634~~4,637.37 units, a net gain of ~~2,209.262~~2,079.29 units or ~~8081.8028~~%.

The completed Statutory Biodiversity Metric Tool is provided, appended to the end of this document.

Table 3. BNG results headline summary

On-site baseline	Habitat units	2734.37	
	Hedgerow units	589.56	
	Watercourse units	0.00	
On-site post-intervention (Including habitat retention, creation & enhancement)	Habitat units	4943.63	
	Hedgerow units	931.10	
	Watercourse units	0.00	
On-site net change (units & percentage)	Habitat units	2209.26	80.80%
	Hedgerow units	341.54	57.93%
	Watercourse units	0.00	0.00%

On-site baseline	Habitat units	2558.08	
	Hedgerow units	561.30	
	Watercourse units	0.00	
On-site post-intervention (Including habitat retention, creation & enhancement)	Habitat units	4637.37	
	Hedgerow units	893.49	
	Watercourse units	0.00	
On-site net change (units & percentage)	Habitat units	2079.29	81.28%
	Hedgerow units	332.19	59.18%
	Watercourse units	0.00	0.00%

The original application considered two options for the provision of the National Grid substation.

- Sheet 13a of the Works Plans [AS-005] identifies the existing layout of the main Project substation alongside the New National Grid Substation, if the new National Grid substation is to be delivered under the DCO.
- Sheet 13b of the Works Plans [AS-005] identifies the layout of the main Project substation and secondary substation and additional solar array, if the new National Grid substation is to be delivered by National Grid on adjacent land to the west beyond the Order Limits. The current layout shows the additional solar array directly in place of the land reserved for the new National Grid substation and the main Project substation remaining to the east of that land parcel.

Proposed Change 3 includes the following.

- Relocation of the main Project substation and secondary substation in the event that the National Grid substation is delivered on adjacent land, as shown on Sheet 13b of the Works Plans (updated and submitted alongside this Change Request). The main Project substation and secondary substation would be relocated to the western side of the land parcel within the Order Limits, closer to where the new National Grid substation may be relocated (just beyond the western edge of the Order Limit in this location).
- Redefining the solar installation area. Whilst the original Project description in Chapter 6 of the ES (APP-043) assessed the scenario with the new National Grid substation moved beyond the Order Limits and assumed replacement of the area formerly occupied by the substation with solar arrays, Proposed Change 3 replaces and updates that scenario.
- There would be no change in the Order Limits as a result of this proposed change.

Note that the assessment presented here is on the basis of the new National Grid Substation being included within the Order Limits, from an extent of natural habitat perspective, this is a worst-case scenario with the hard standing associated with this substation present within the Project site. The scenario where the new National Grid substation is located outside the Order Limits has also been calculated and would be more or

less neutral in terms of the BNG habitat score, changing from 81.28% to 81.17% since, although there would be less hard standing, there would be slightly less other neutral grassland because of the site layout.

Proposed Change 3 relates to an amended layout for the scenario where the new National Grid substation is located outside the Order Limits. The Applicant proposes a repositioning of the solar array in this area for the scenario where the new National Grid substation is located beyond the Order Limits. Proposed Change 3 would alter the layout of the solar installation but would not change the overall area of solar installation proposed. The impact on the BNG score associated with the scenario would be neutral, as there is no net change in the area affected by the revised layout. ~~Note that the assessment presented here is on the basis of the National Grid Substation being present within the Project site as, from an extent of natural habitat perspective, this is a worst-case scenario with the hard standing associated with this substation present within the Project site. Change number 3 described above would move that outside of the Project site. The BNG score associated with this change has also been calculated and would be more or less neutral in terms of the BNG habitat score, changing from 81.28% to 81.17% since, although there would be less hard standing, there would be slightly less other neutral grassland because of the site layout.~~

References

Department for Environment, Food & Rural Affairs (2024a). Statutory Biodiversity Metric Calculation Tool. GOV.UK. Available at: <https://www.gov.uk/government/publications/statutory-biodiversity-metric-tools-and-guides>.

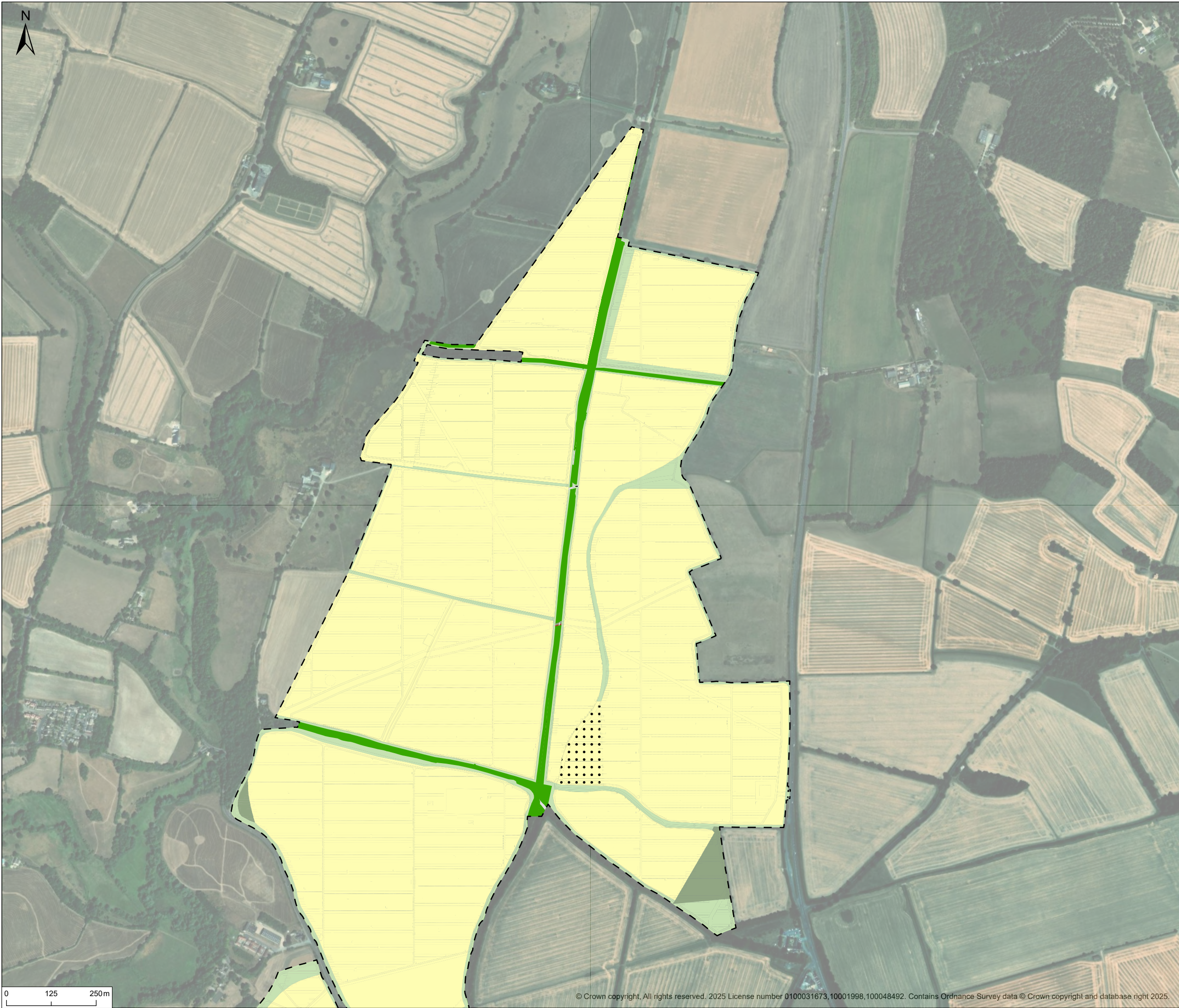
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UKHab Ltd (2023). UK Habitat Classification Version 2.0 (at <https://www.ukhab.org>).

Figures

Figure 1 Map displaying all baseline habitats impacted by the project



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 - Cropland - Arable field margins tussocky - Condition Assessment N/A
 - Cropland - Cereal crops - Condition Assessment N/A
 - Grassland - Modified grassland - Moderate
 - Grassland - Modified grassland - Poor
 - Grassland - Other neutral grassland - Poor
 - Heathland and shrub - Mixed scrub - Moderate
 - Lakes - Ponds (non-priority habitat) - Poor
 - Sparsely vegetated land - Ruderal/ephemeral - Moderate
 - Sparsely vegetated land - Ruderal/ephemeral - Poor
 - Urban - Bare ground - Poor
 - Woodland and forest - Felled - Good
 - Woodland and forest - Other coniferous woodland - Moderate
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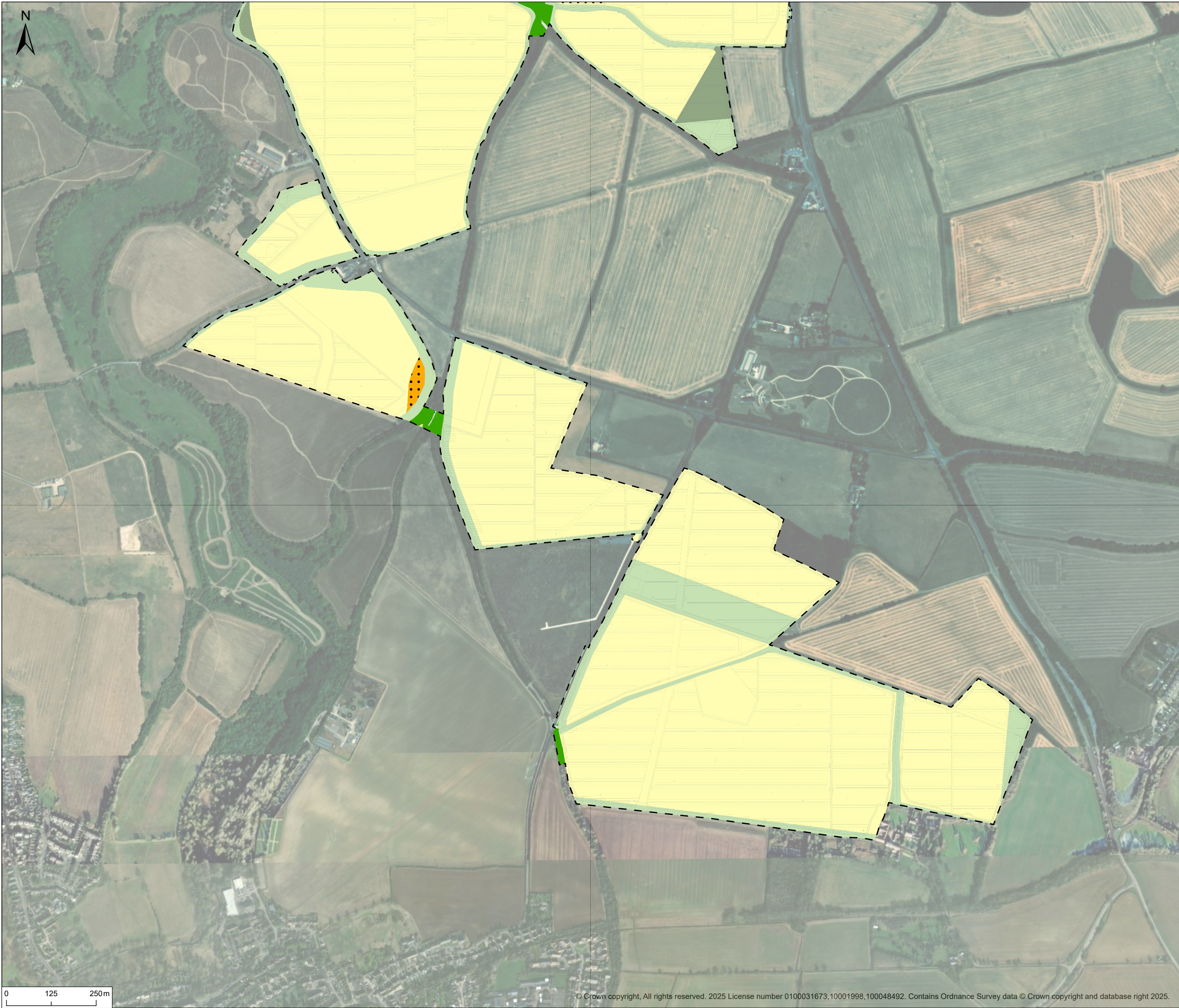
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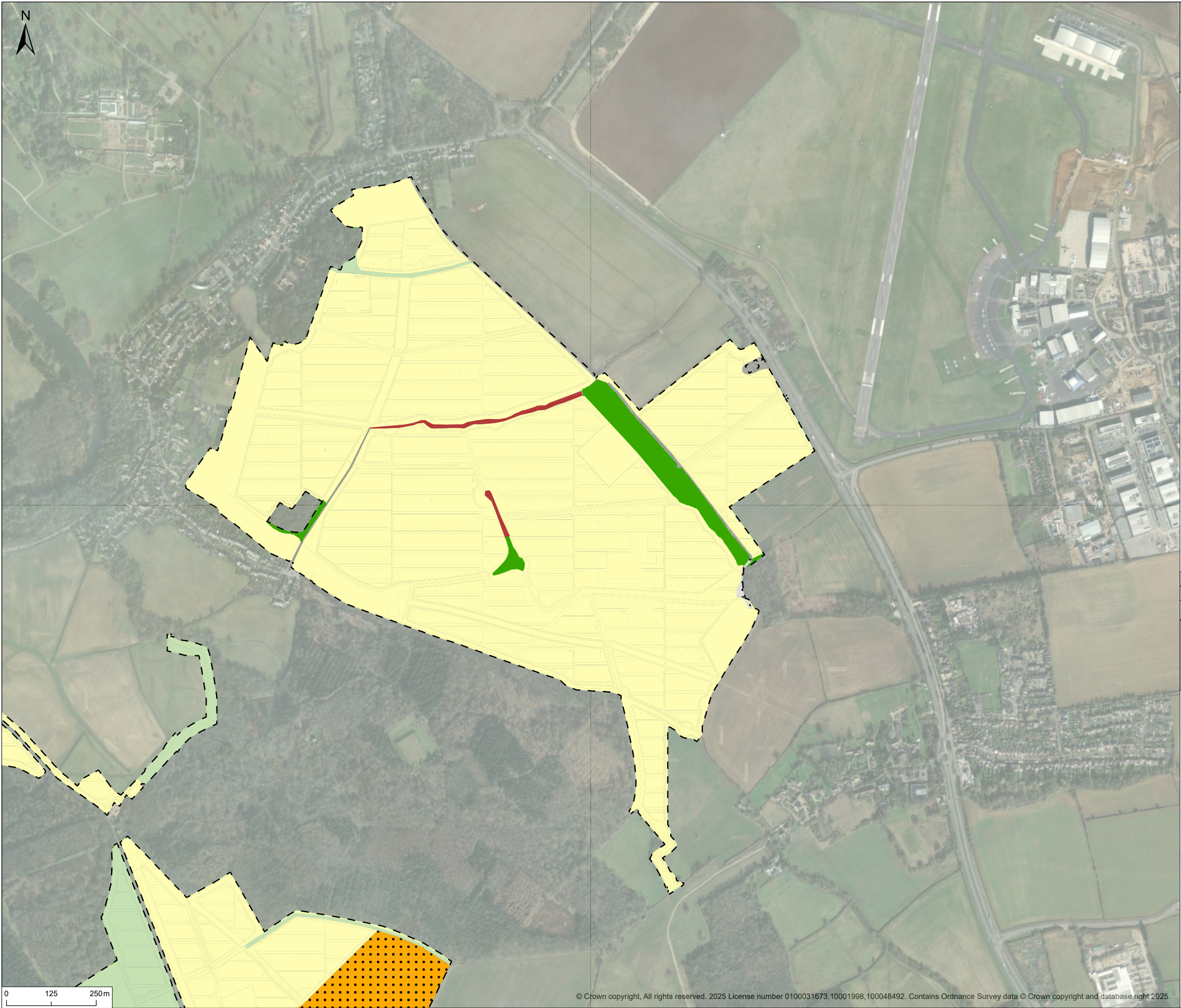
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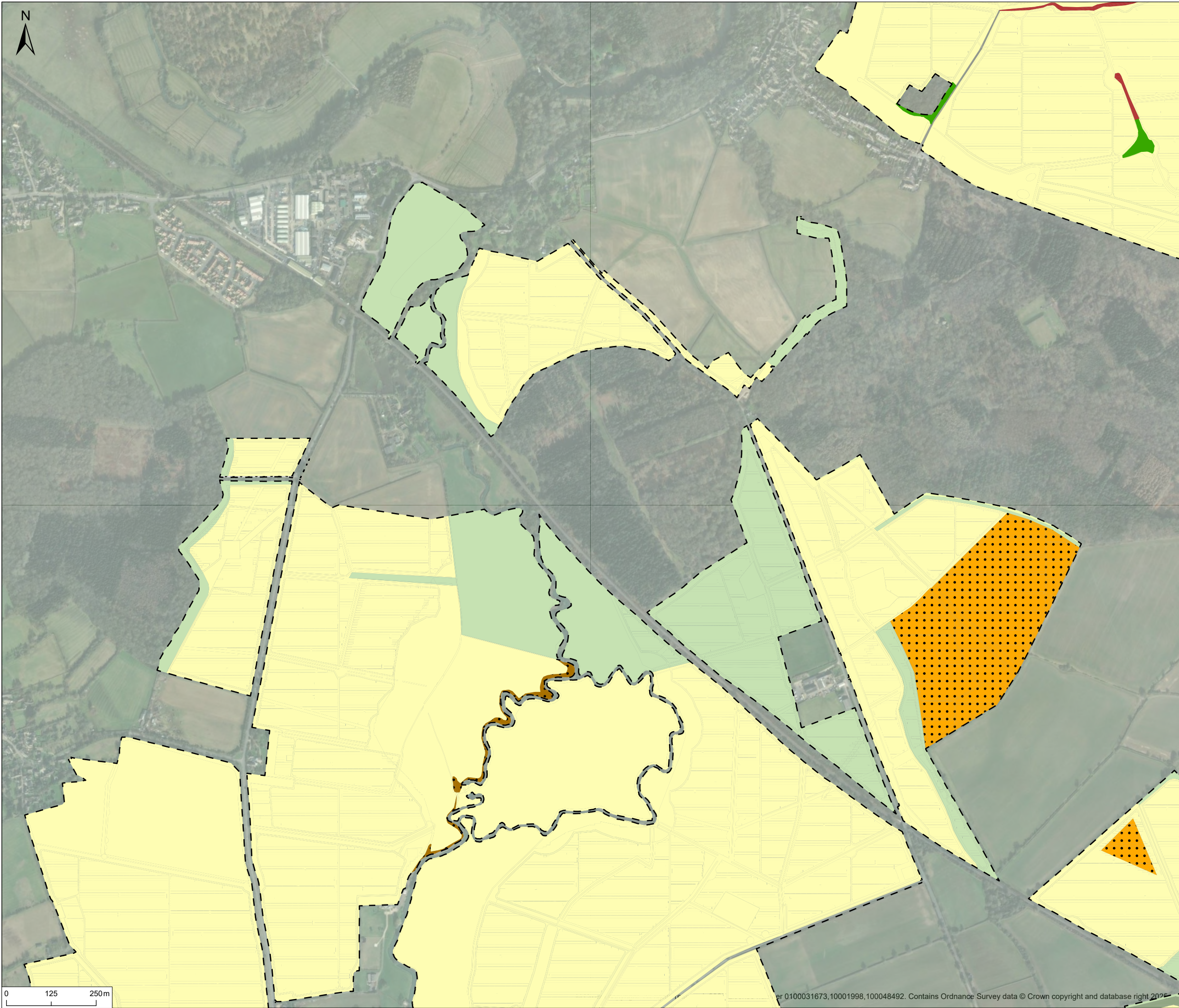
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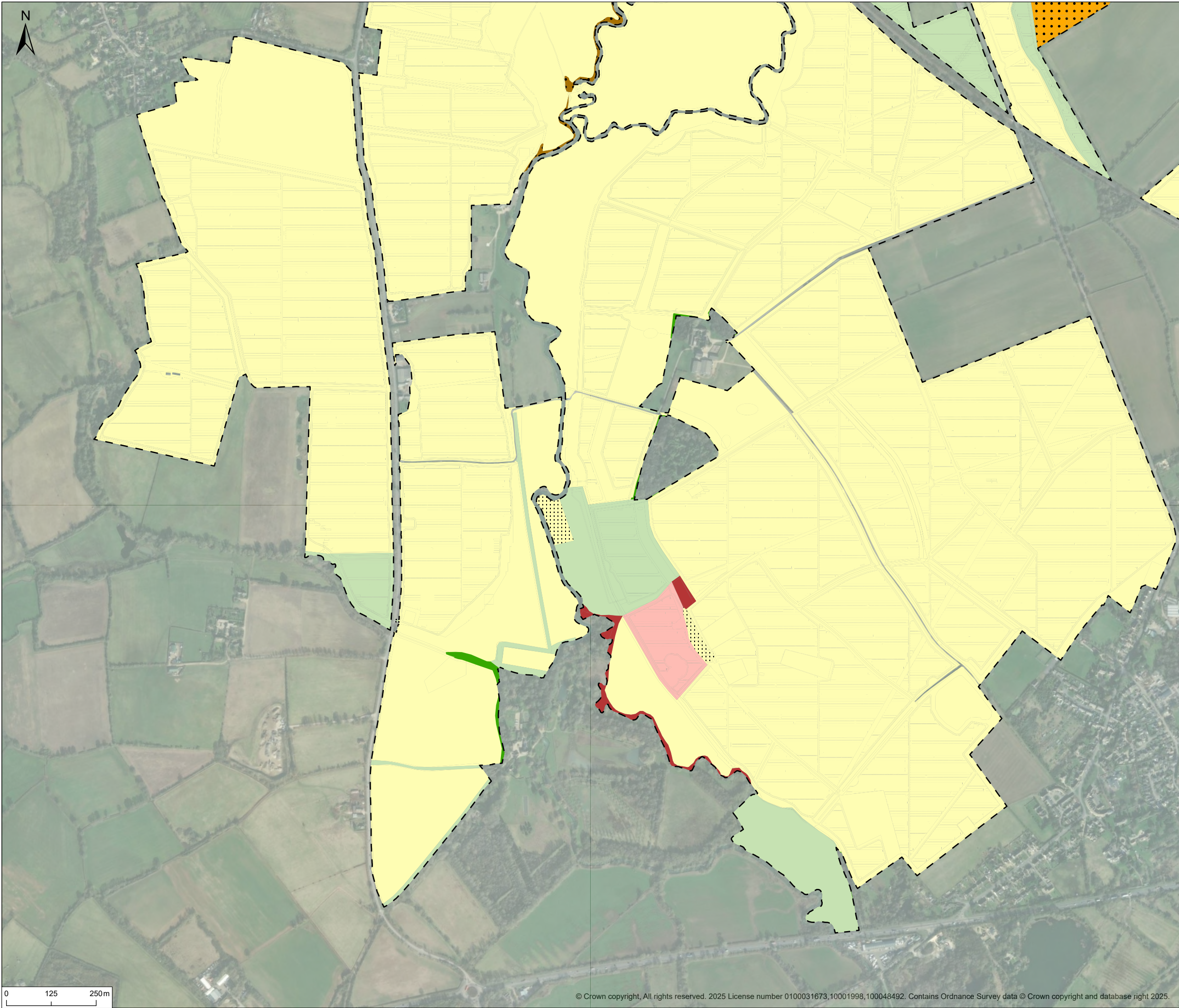


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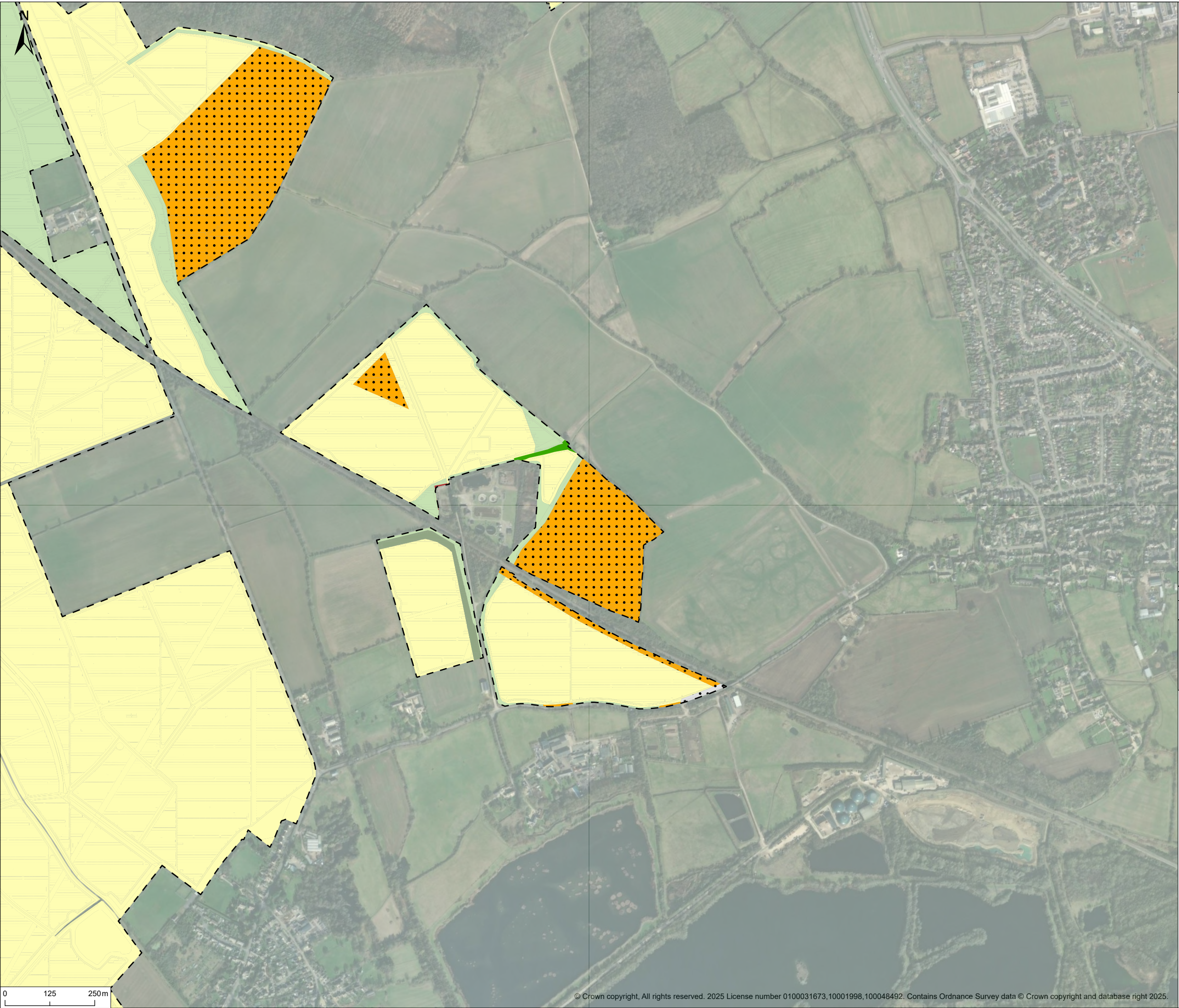
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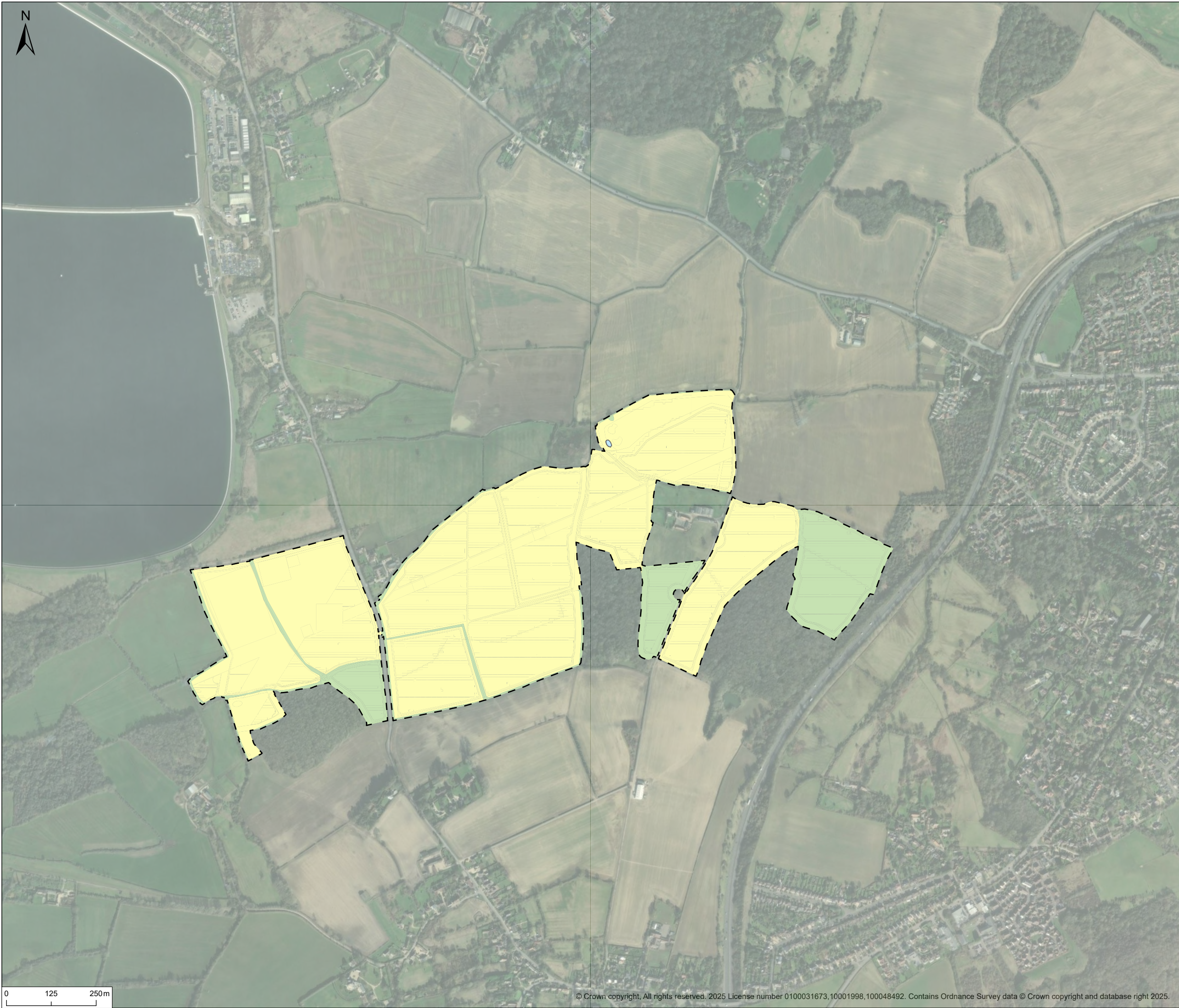


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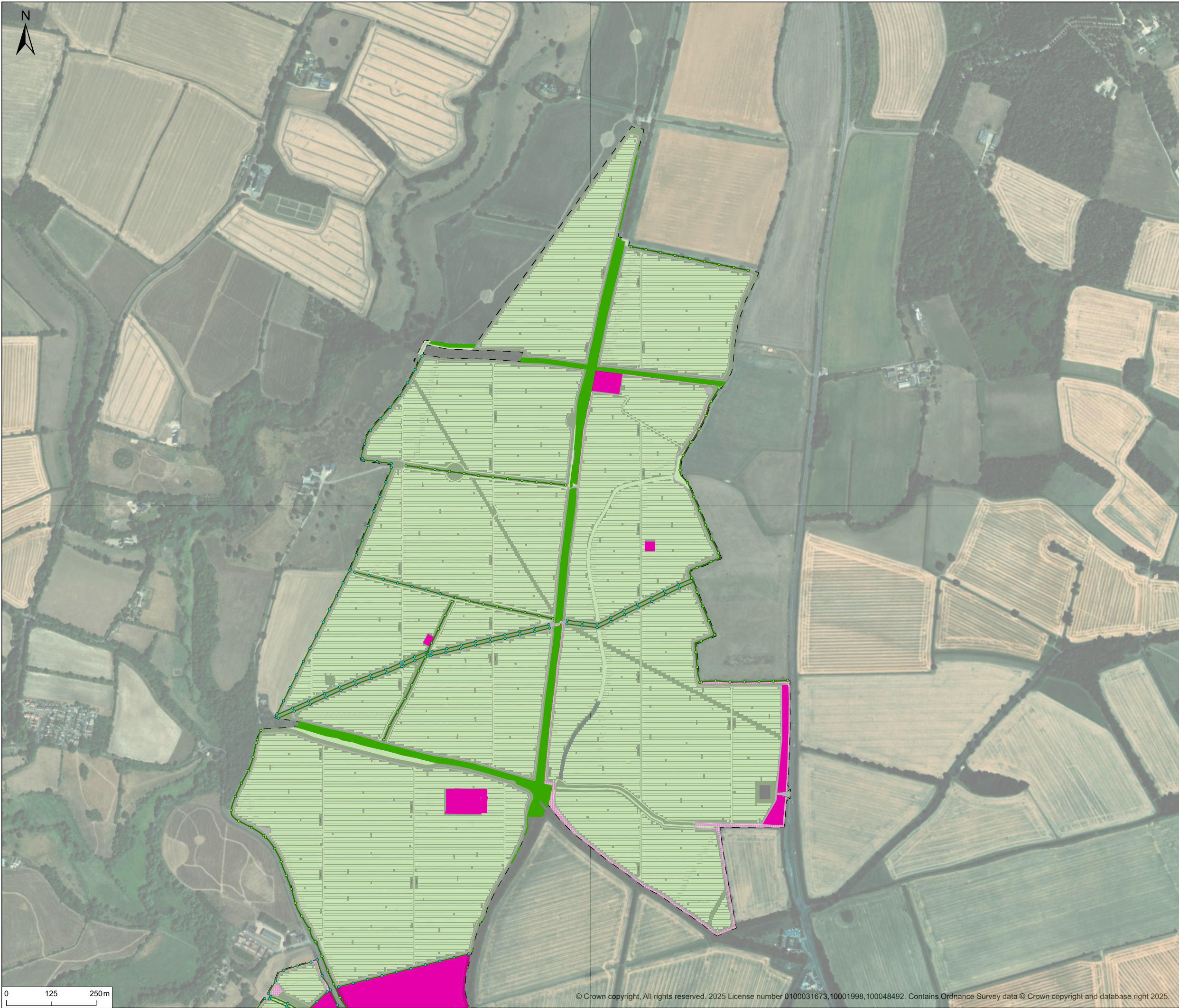


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Figure 2 Map displaying all created habitats throughout the site.



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 - Woodland and forest - Other coniferous woodland - Moderate
 - Lakes - Ponds (non-priority habitat) - Poor
 - Hedgerow created
 - Hedgerow enhanced

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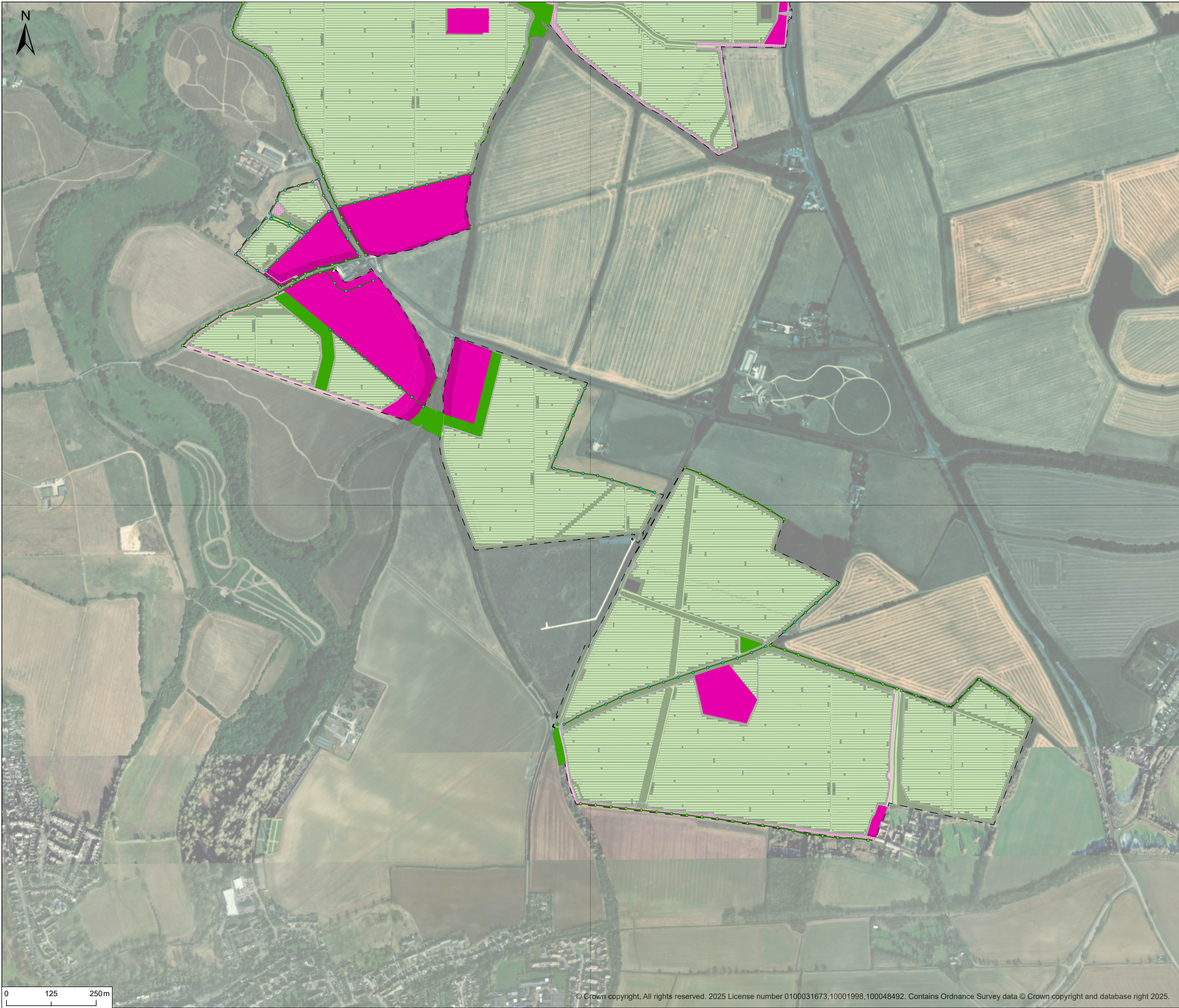
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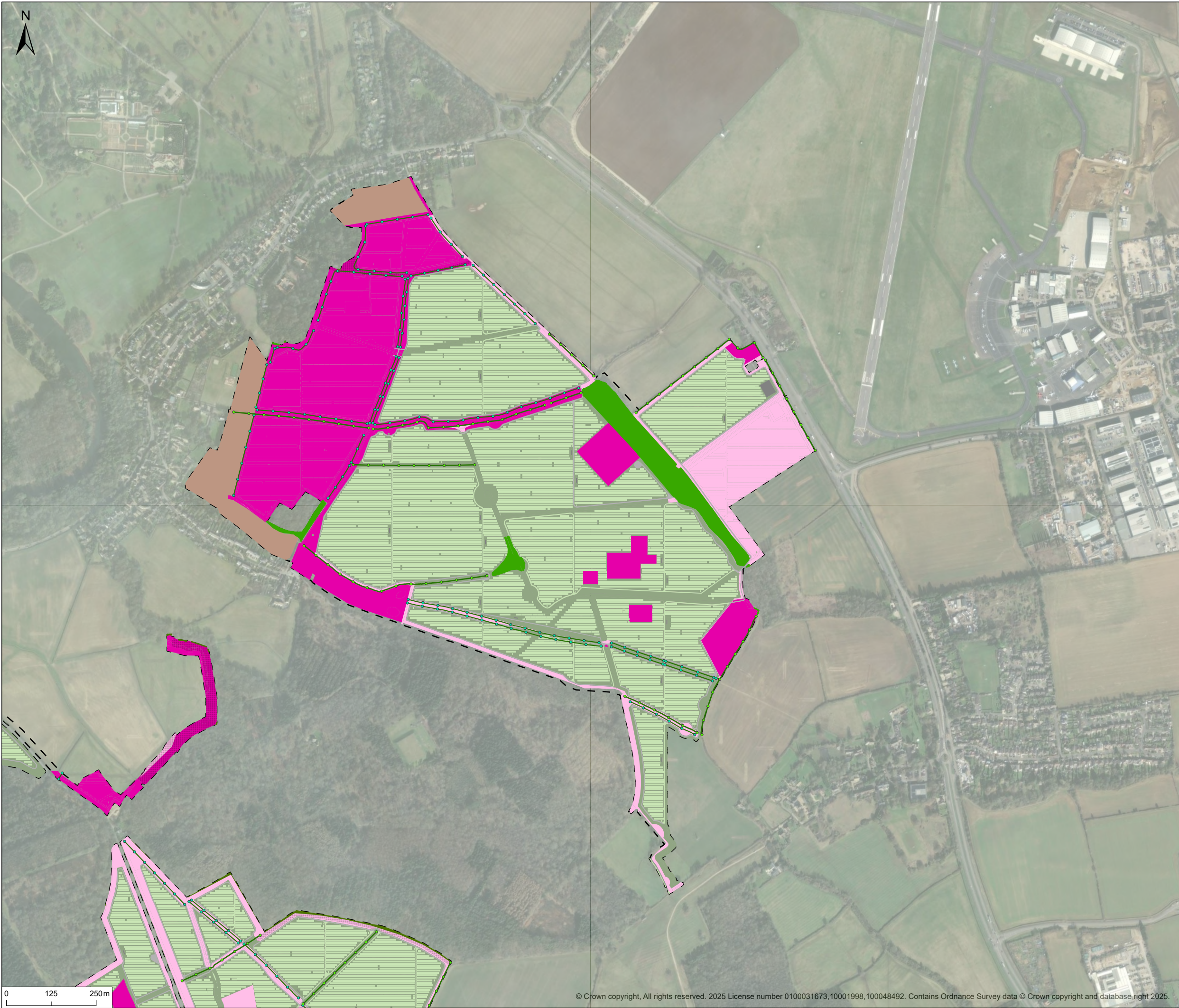
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 - Hedgerow enhanced

Rev	Description	By	CB	Date



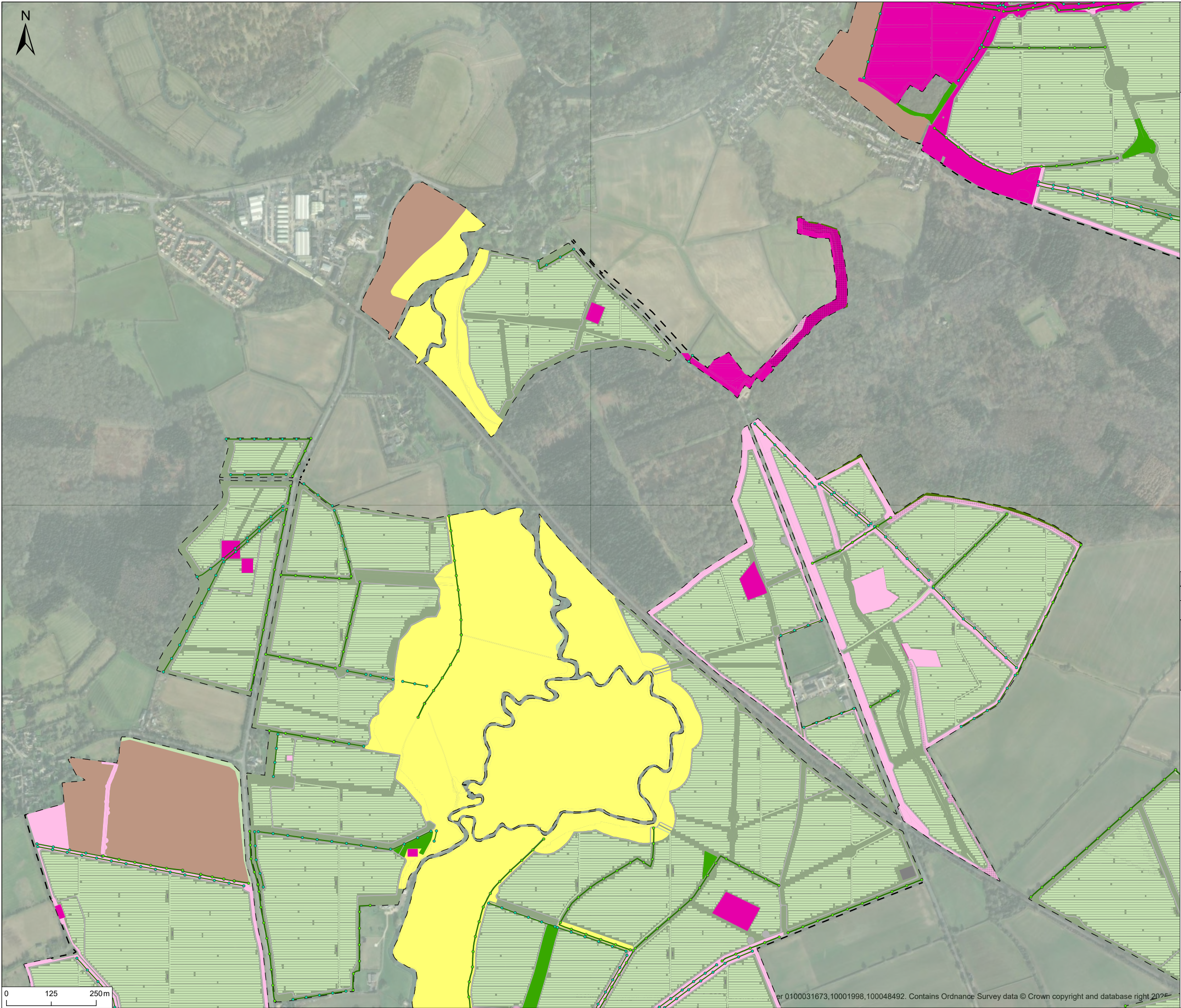
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Client	PVDP	
Project	Botley West Solar Farm	
Title	Nget Out - Post development habitats	
Status	Drawn By	PM/Checked By
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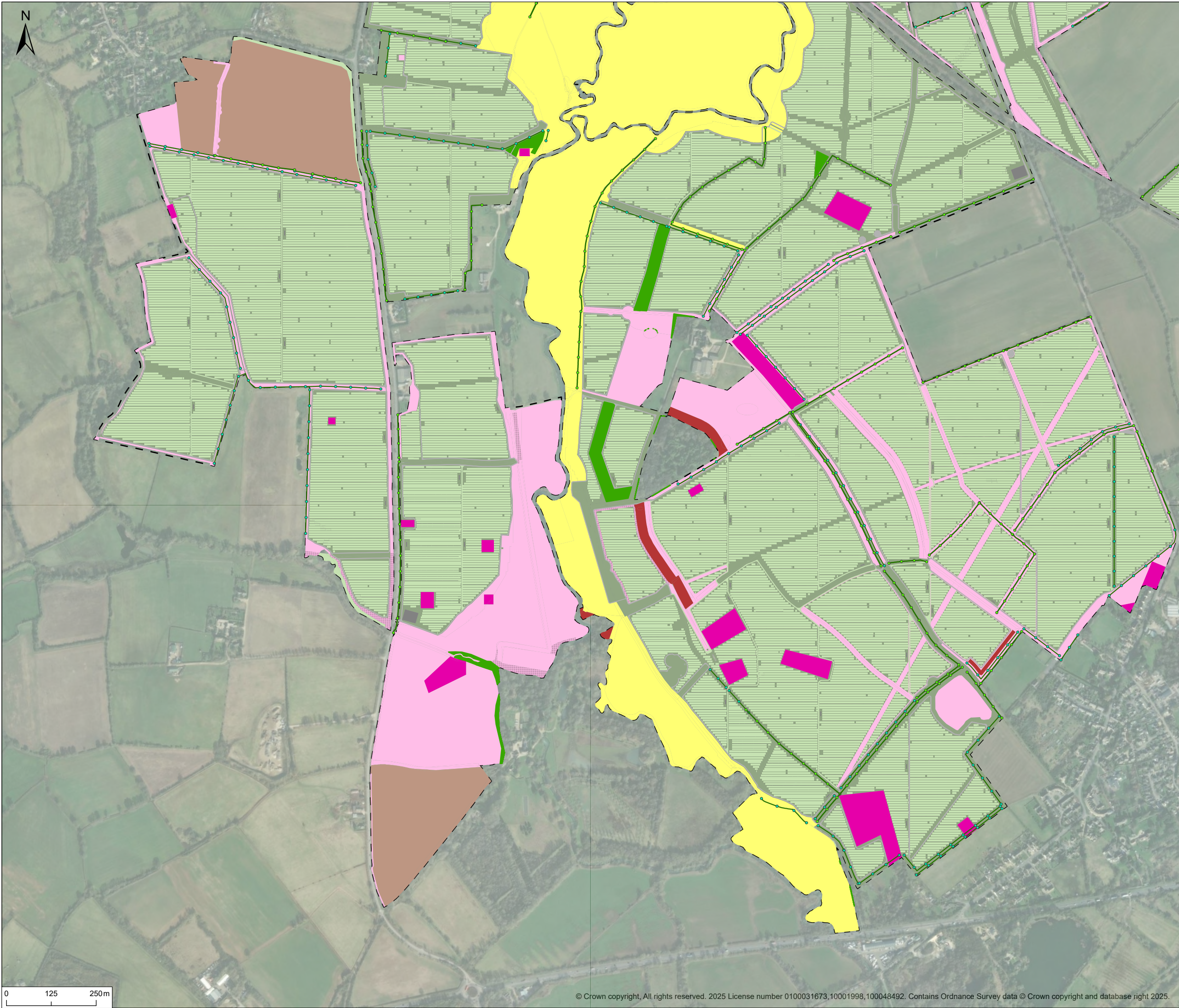
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Client **PVDP**

Project **Botley West Solar Farm**

Title **Nget Out -
Post development habitats**

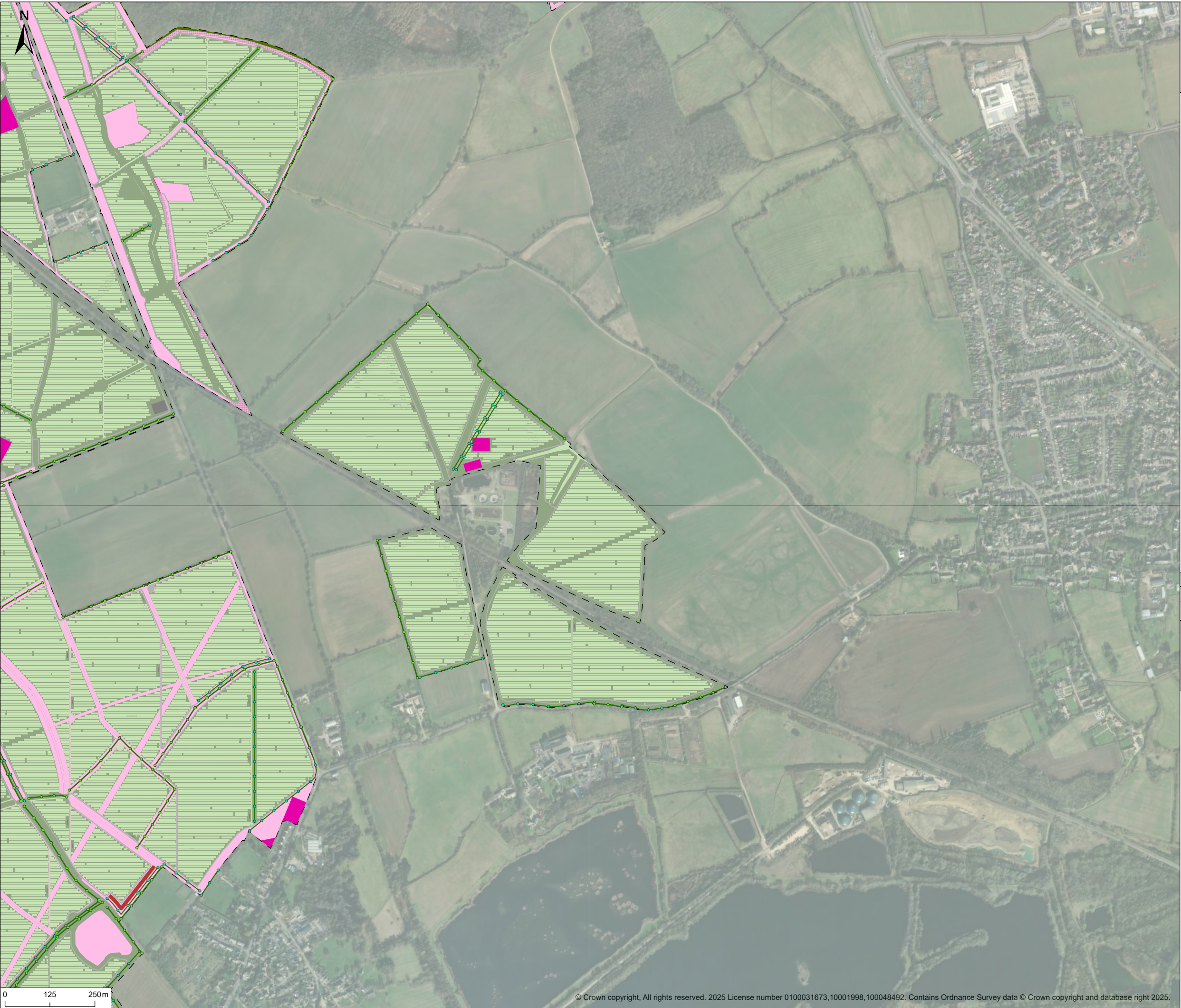
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Project Number **NP12426** Scale @ A3 **1:10,000** Date Created **SEP 2025**

Figure Number **1.5** Rev **01**

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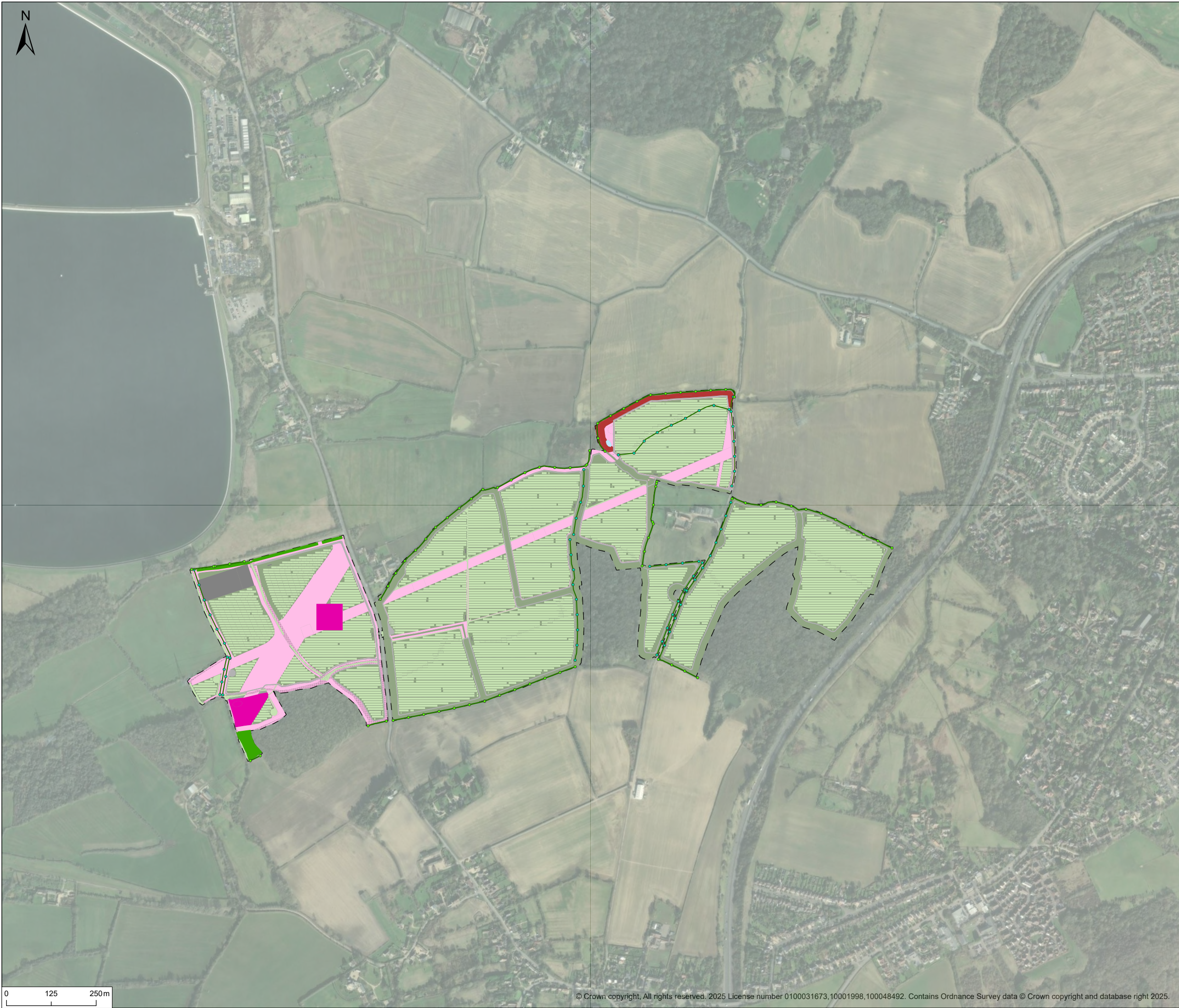
Rev	Description	By	CB	Date
				

Client	PVDP			
Project	Botley West Solar Farm			
Title	Nget Out - Post development habitats			
Status	Drawn By	PM/Checked By		
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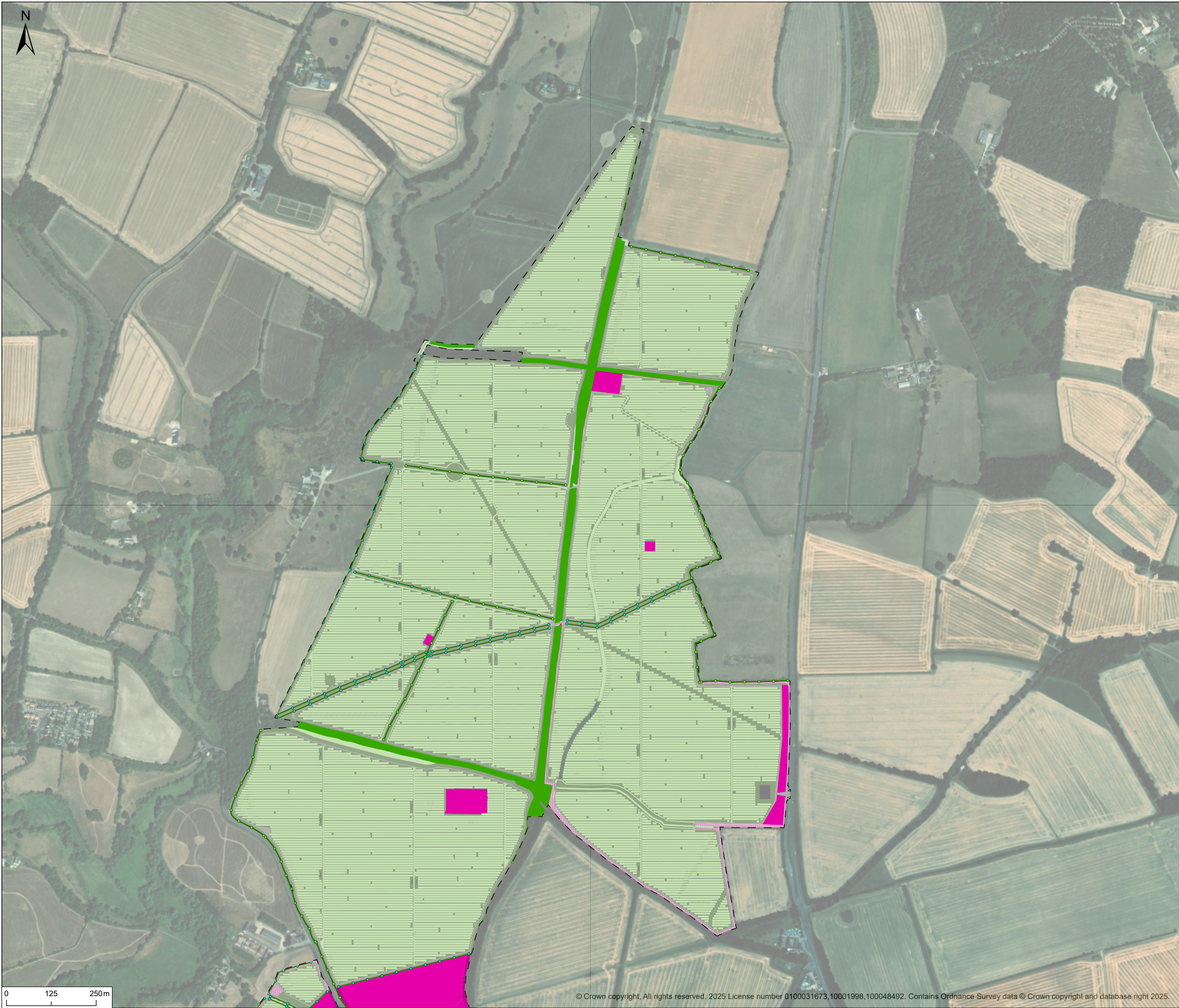
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Client	PVDP	
Project	Botley West Solar Farm	
Title	Nget Out - Post development habitats	
Status	Drawn By	PM/Checked By
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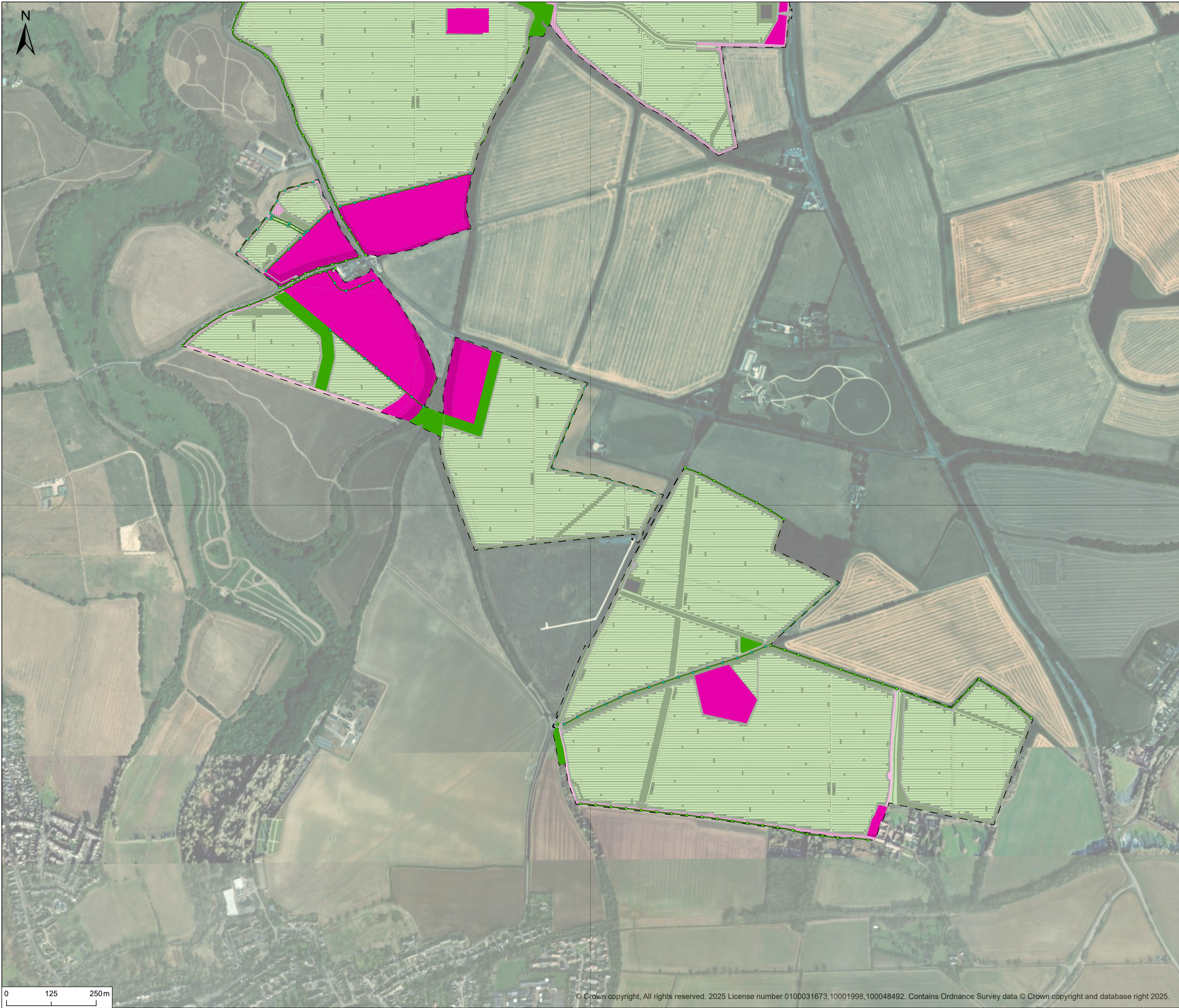
Client PVDP

Project Botley West Solar Farm

Title Nget In - Post development habitats

Status FINAL	Drawn By AC	PM/Checked By BJ
Project Number NP12426	Scale @ A3 1:10,000	Date Created SEP 2025
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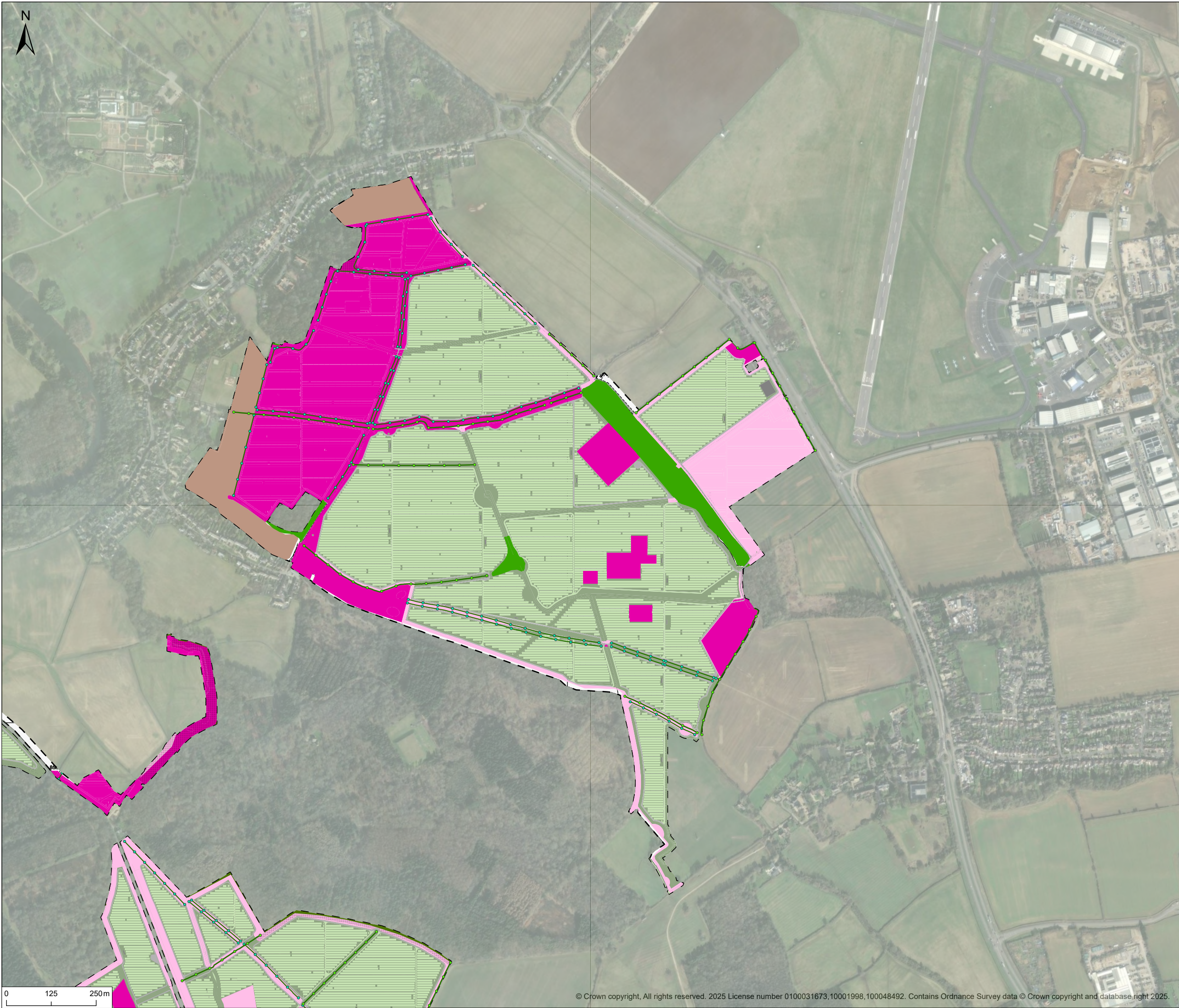
Client **PVDP**

Project **Botley West Solar Farm**

Title **Nget In - Post development habitats**

Status FINAL	Drawn By AC	PM/Checked By BJ
Project Number NP12426	Scale @ A3 1:10,000	Date Created SEP 2025
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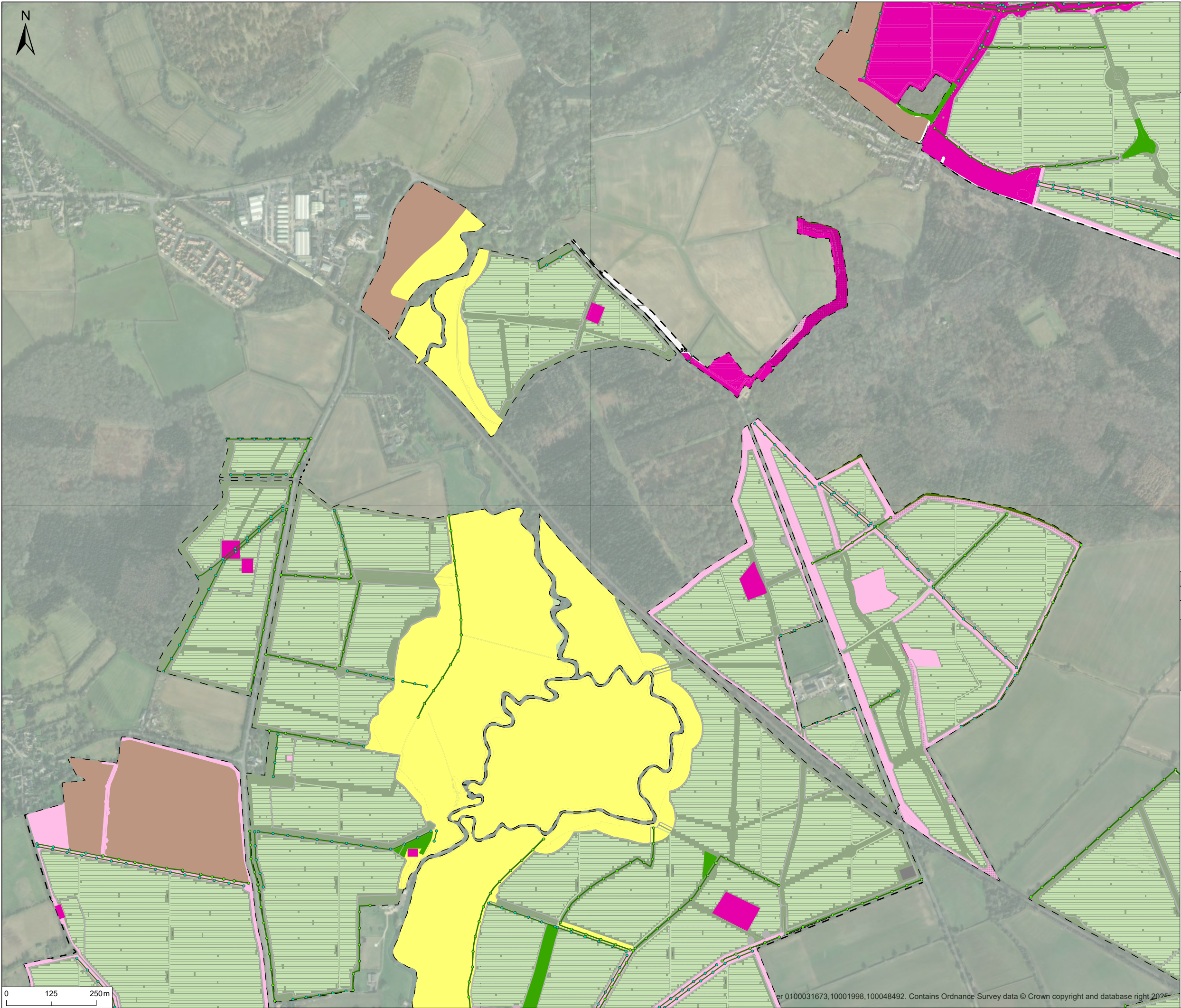
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Client	PVDP		
Project	Botley West Solar Farm		
Title	Nget In - Post development habitats		
Status	Drawn By	PM/Checked By	
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Project Number	Scale @ A3	Date Created	
NP12426	1:10,000	SEP 2025	
Figure Number	Rev		
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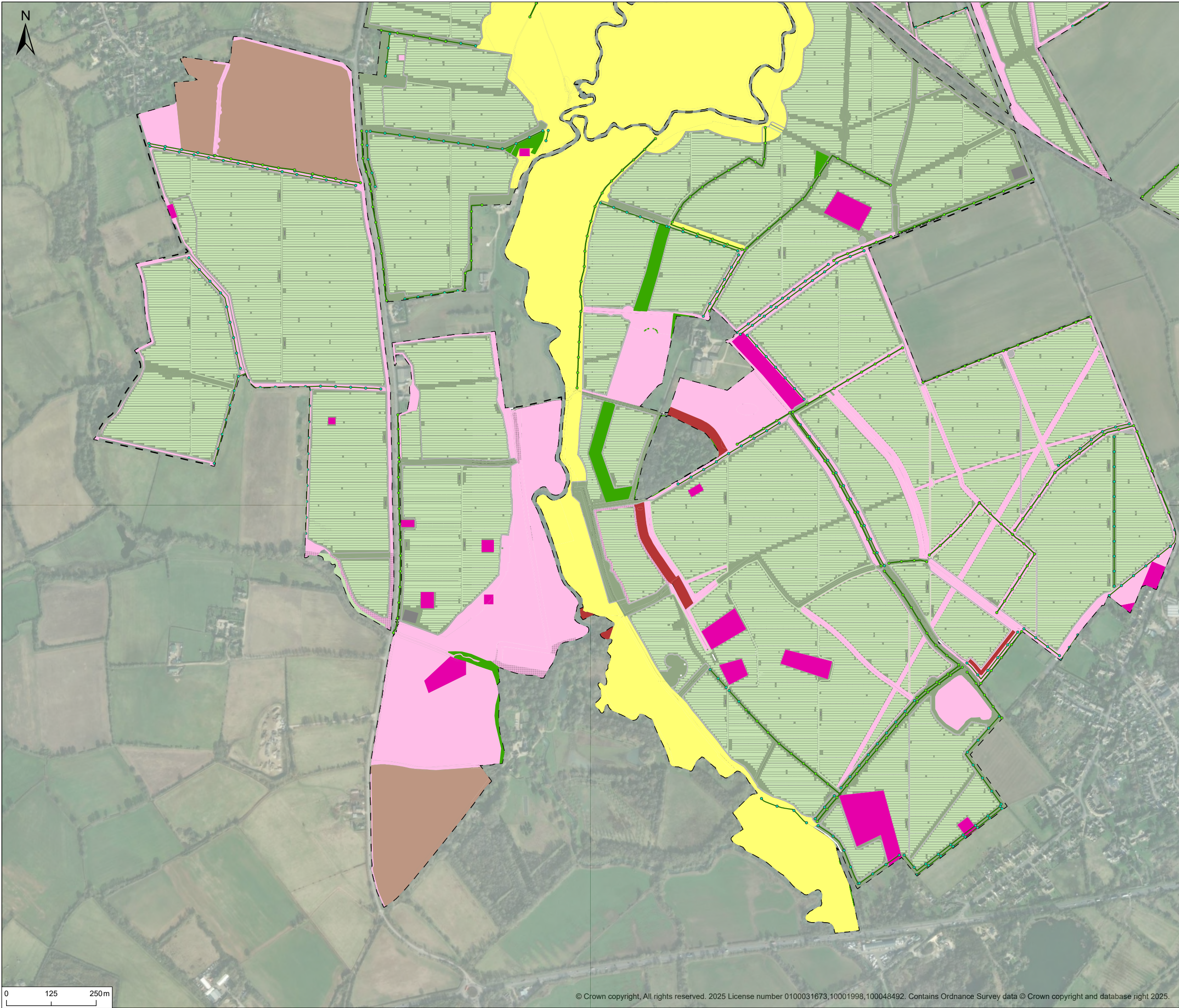


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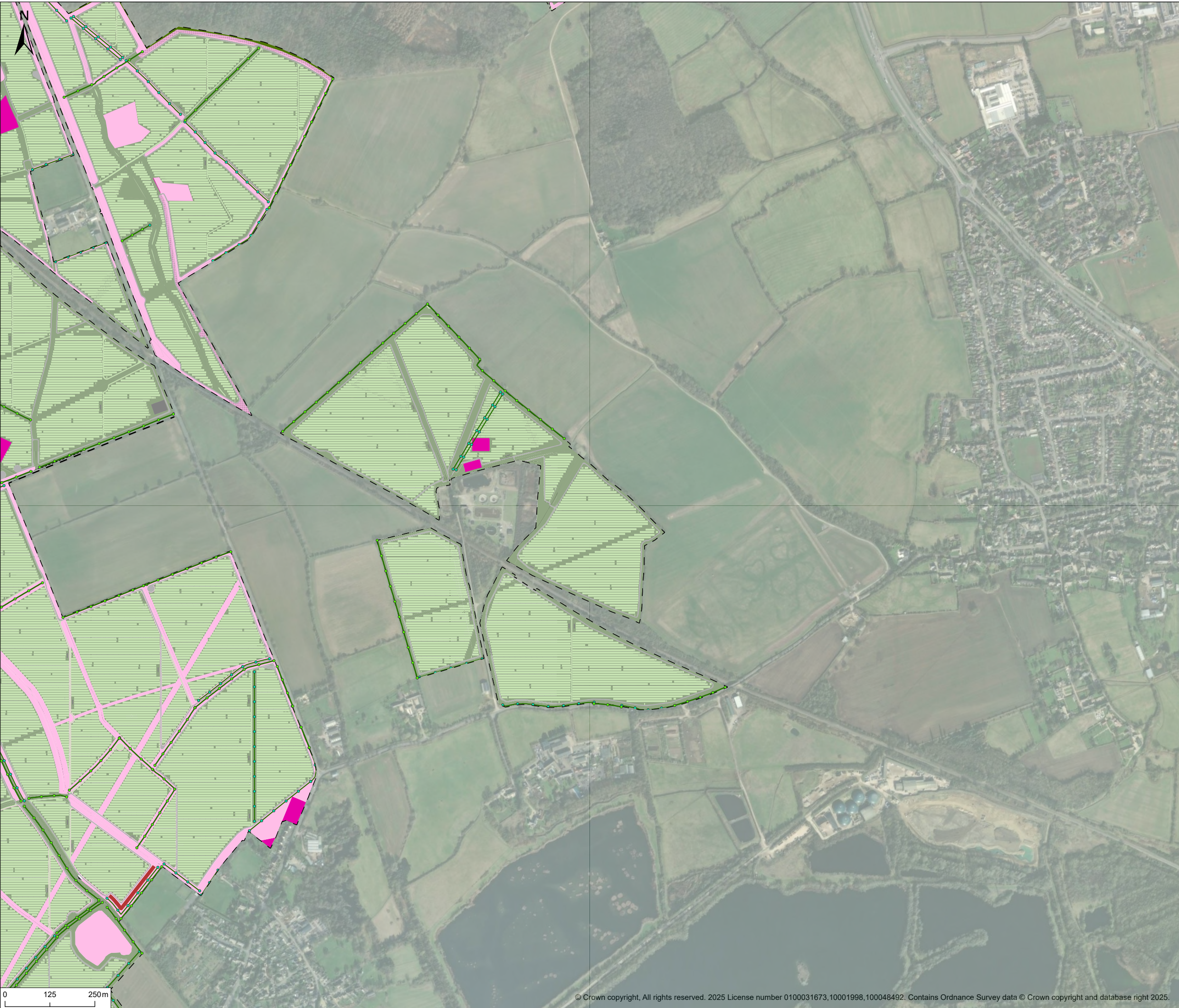
Project **Botley West Solar Farm**

Title **Nget In - Post development habitats**

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Project Number NP12426	Scale @ A3 1:10,000	Date Created SEP 2025
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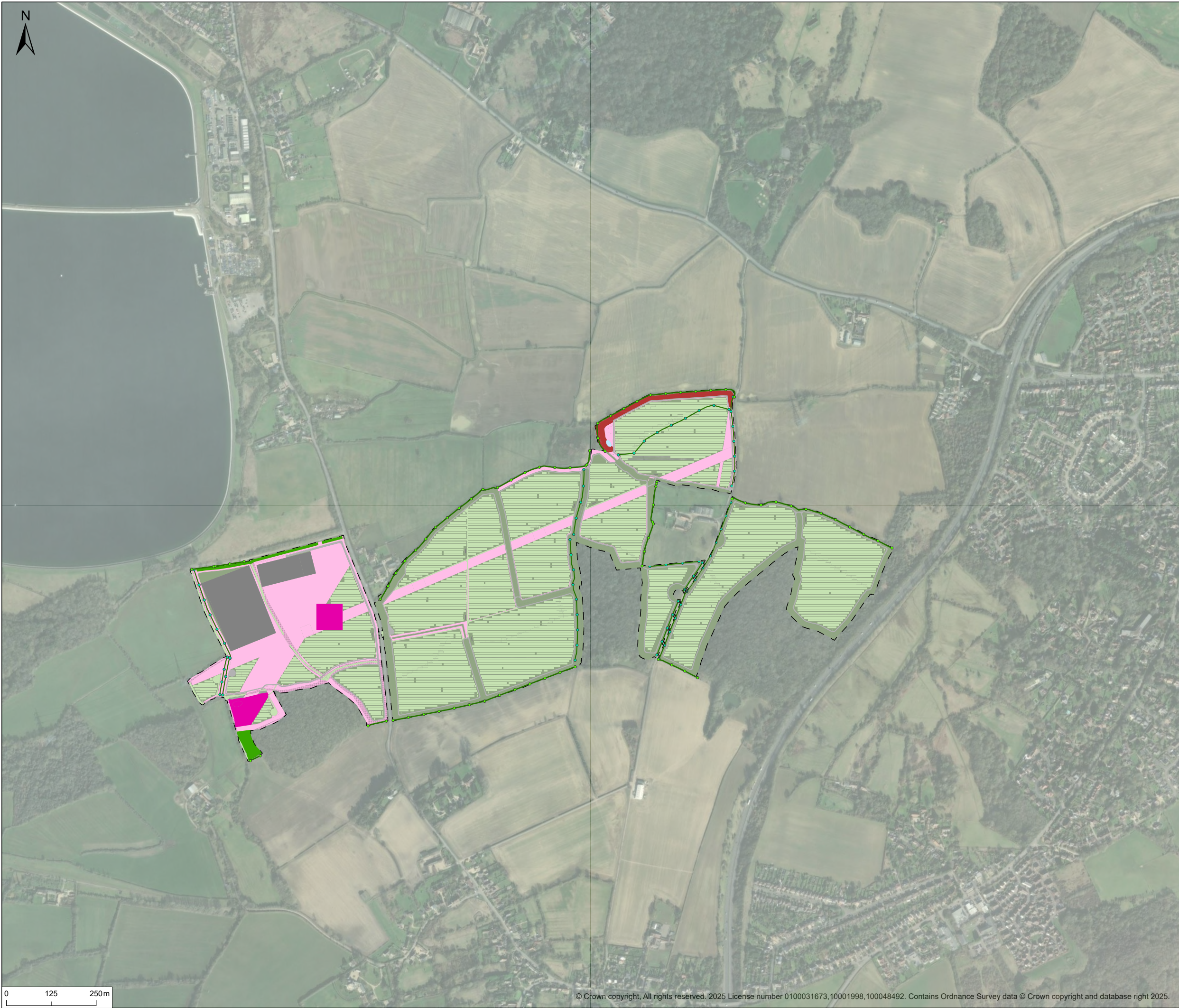
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Client PVDP

Project Botley West Solar Farm

Title Nget In - Post development habitats

Status FINAL	Drawn By AC	PM/Checked By BJ
Project Number NP12426	Scale @ A3 1:10,000	Date Created SEP 2025
Figure Number 1.7		Rev 01

Botley West Statutory Biodiversity Metric

The Biodiversity Metric 4.0

Auditing and accounting for biodiversity

Calculation Tool

Open Tool

ISBN: 978-1-7393362-0-2



The Biodiversity Metric 4.0 - Calculation Tool

Start page

Project details			
Planning authority:			
Project name:	Botley West Solar Farm		
Applicant:	Photovolt Development Partners GmbH, on behalf of SolarFive Ltd.		
Application type:	Development Consent Order		
Planning application reference:	EN010147		
Completed by:	Wychwood Biodiversity/RPS		
Date of metric completion:	12 September 2025		
Reviewer:	RPS Consulting Services Ltd		
Version control:	V1		
Consenting body reviewer:			
Date of consenting body review:			
Target % net gain:	10%		
Irreplaceable habitat present on-site at baseline:		You must specify if irreplaceable habitats are on-site at baseline ▲	
Total site area (including irreplaceable habitat area):	1210.93	Irreplaceable habitat area at baseline:	0.00

Instructions

Main menu

Results

Cell style conventions	
▲	Attention required
▲	Input error/rules and principles not met
	Use of this cell is not appropriate
	Enter data
	Automatic lookup
	Result

View all

Reset view

On-site baseline map

Insert

On-site baseline map reference number

On-site post intervention map

Insert

On-site post-intervention map reference number

Off-site baseline map

Insert

Off-site baseline map reference number

Off-site post intervention map

Insert

Off-site post-intervention reference number

The Biodiversity Metric 4.0 - Calculation Tool Instructions

Double click the front page below to open the file

Start page

Main menu

Phase 1 - metric
habitat translation
tool

**This guide can also be found as an Appendix to the main
Biodiversity Metric 4.0 – User guide.**

The Biodiversity Metric 4.0

Short Data Input Guide

First published March 2023

Natural England Joint Publication JP039

www.gov.uk/natural-england



Irreplaceable habitats

● For further information please refer to the irreplaceable habitats section of the metric user guide.

[illegible]

Ancient/Veteran trees (No of trees):	Trees retained:		Trees enhanced:		Trees lost:		Total number of trees:	0
--------------------------------------	-----------------	--	-----------------	--	-------------	--	------------------------	---

Summary table	
Area habitats	
Total site area (ha)	0.00
Total irreplaceable habitats area (ha)	0.00
% Area of site taken up by irreplaceable habitats (ha)	0.00
Total retained irreplaceable habitat area (ha)	0.00
Total enhanced irreplaceable habitat area (ha)	0.00
Total lost irreplaceable habitat area (ha)	0.00
Hedgerows	
Total irreplaceable hedgerow length (km)	0.00
Total retained irreplaceable hedgerow length (km)	0.00
Total enhanced irreplaceable hedgerow length (km)	0.00
Total lost irreplaceable hedgerow length (km)	0.00
Watercourses	
Total irreplaceable watercourse length (km)	0.00
Total retained irreplaceable watercourse length (km)	0.00
Total enhanced irreplaceable watercourse length (km)	0.00
Total lost irreplaceable watercourse length (km)	0.00



Area habitats



Hedgerows and lines of trees



Watercourses

The Biodiversity Metric 4.0 - Calculation Tool

Main menu

- Start page

Instructions

Technical data

Results

Tree helper						
Tree size	Number of trees and area (ha) for each condition state					
	Poor	Area	Moderate	Area	Good	Area
Small		0.0000		0.0000		0.0000
Medium		0.0000		0.0000		0.0000
Large		0.0000		0.0000		0.0000
Total	0	0.0000	0	0.0000	0	0.0000

Start here

1



2



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On-site baseline

A-1 On-site Area Habitat Baseline



B-1 On-site Hedge Baseline




C-1 On-site Watercourse Baseline




On-site post development


A-2 On-site Area Habitat Creation




A-3 On-site Area Habitat Enhancement




B-2 On-site Hedge Creation




B-3 On-site Hedge Enhancement



C-2 On-site Watercourse Creation



C-3 On-site Watercourse Enhancement



Off-site baseline

D-1 Off-site Area Habitat Baseline



E-1 Off-site Hedge Baseline



F-1 Off-site Watercourse Baseline



Off-site post development

D-2 Off-site Area Habitat Creation



D-3 Off-site Area Habitat Enhancement



E-2 Off-site Hedge Creation



E-3 Off-site Hedge Enhancement



F-2 Off-site Watercourse Creation



F-3 Off-site Watercourse Enhancement



Botley West Solar Farm

Headline Results

Scroll down for final results ▲

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Errors flagged below - please investigate further ▲

On-site baseline	Habitat units	2558.08	
	Hedgerow units	561.30	
	Watercourse units	0.00	
On-site post-intervention <small>(Including habitat retention, creation & enhancement)</small>	Habitat units	4637.37	
	Hedgerow units	893.49	
	Watercourse units	0.00	
On-site net change <small>(units & percentage)</small>	Habitat units	2079.29	81.28%
	Hedgerow units	332.19	59.18%
	Watercourse units	0.00	0.00%

Off-site baseline	Habitat units	0.00	
	Hedgerow units	0.00	
	Watercourse units	0.00	
Off-site post-intervention <small>(Including habitat retention, creation & enhancement)</small>	Habitat units	0.00	
	Hedgerow units	0.00	
	Watercourse units	0.00	
Off-site net change <small>(units & percentage)</small>	Habitat units	0.00	0.00%
	Hedgerow units	0.00	0.00%
	Watercourse units	0.00	0.00%

Combined net unit change <small>(Including all on-site & off-site habitat retention, creation & enhancement)</small>	Habitat units	2079.29	
	Hedgerow units	332.19	
	Watercourse units	0.00	
Spatial risk multiplier (SRM) deductions	Habitat units	0.00	
	Hedgerow units	0.00	
	Watercourse units	0.00	

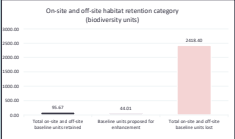
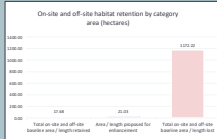
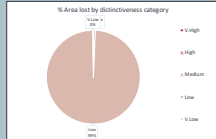
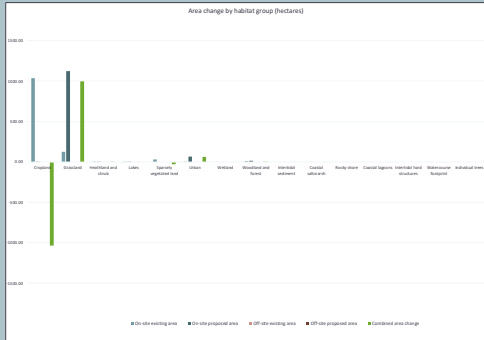
FINAL RESULTS

Total net unit change <small>(Including all on-site & off-site habitat retention, creation & enhancement)</small>	Habitat units	2079.29
	Hedgerow units	332.19
	Watercourse units	0.00
Total net % change <small>(Including all on-site & off-site habitat retention, creation & enhancement)</small>	Habitat units	81.28%
	Hedgerow units	59.18%
	Watercourse units	0.00%
Trading rules satisfied?	Yes ✓	
You must specify if irreplaceable habitats are on-site at baseline ▲		

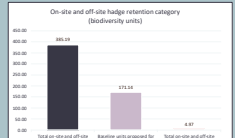
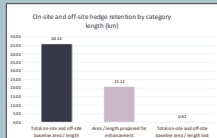
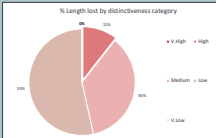
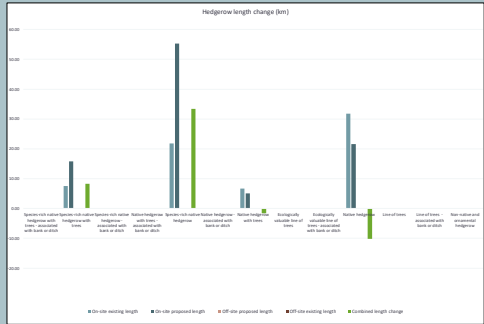
Unit Type	Target	Baseline Units	Units Required	Unit Deficit	
Habitat units	10.00%	2558.08	2813.89	0.00	Unit requirement met or surpassed ✓
Hedgerow units	10.00%	561.30	617.43	0.00	Unit requirement met or surpassed ✓
Watercourse units	10.00%	0.00	0.00	0.00	Unit requirement met or surpassed ✓

Area habitata

Combined area lost by distinctiveness band		
Category	Area lost (hectares)	Area lost (%)
V High	0	
High	0	
Medium	9,526,442.75	1
Low	1161,588,990	93
V Low	2,568,287.10	0

[illegible]

Category	Length lost (cm)	Length lost (%)
Very High	0	
High	0.0061	11
Medium	0.2843	36
Low	0.2894	53
Very Low	0	

[illegible]

Category	Length lost (km)	Length lost (%)
Very High	0	
High	0	
Medium	0	
Low	0	

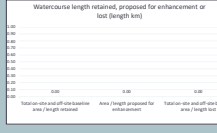


Figure 1 is a bar chart titled "Watercourse biodiversity unit change". The y-axis represents the change in biodiversity units, ranging from 0.0 to 1.0 in increments of 0.1. The x-axis lists five categories: Priority habitat, Other water and wetlands, Estuaries, Canals, and Ditches. The legend indicates five data series: Blue line existing value, Blue line proposed value, Red line existing value, Red line proposed value, and Green line with all ditches. The chart shows that for Priority habitat, the existing value is approximately 0.85 and the proposed value is approximately 0.95. For Other water and wetlands, the existing value is approximately 0.75 and the proposed value is approximately 0.85. For Estuaries, the existing value is approximately 0.65 and the proposed value is approximately 0.75. For Canals, the existing value is approximately 0.55 and the proposed value is approximately 0.65. For Ditches, the existing value is approximately 0.45 and the proposed value is approximately 0.55. The Green line with all ditches is a horizontal line at 0.0.

Category	Blue line existing value	Blue line proposed value	Red line existing value	Red line proposed value	Green line with all ditches
Priority habitat	0.85	0.95	0.00	0.00	0.00
Other water and wetlands	0.75	0.85	0.00	0.00	0.00
Estuaries	0.65	0.75	0.00	0.00	0.00
Canals	0.55	0.65	0.00	0.00	0.00
Ditches	0.45	0.55	0.00	0.00	0.00



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Trading summary hedgenows

Trading summary Watersources

Trading Summary		
Distinctiveness Group	Trading Rule	Trading Retained?
Very High	Respects compensation levels to be required %	Yes /
High	Same habitat required =	Yes /
Medium	Same habitat required or a higher distinctiveness habitat required >=	Yes /
Low	Same distinctiveness or better habitat required >	Yes /

Habitat group	Group	On-site unit change	Off-site unit change	Project-wide unit change	Unit losses
Grassland - Lowland dry acid grassland	Grassland	0.00	0.00	0.00	
Grassland - Lowland meadows	Grassland	0.00	0.00	0.00	
Grassland - Upland late mires/moors	Grassland	0.00	0.00	0.00	
Heathland and shrub - Mountain heaths and yellow scrubs	Heathland and shrub	0.00	0.00	0.00	
Lakes - Anzifer led naturally fluctuating water bodies	Lakes	0.00	0.00	0.00	
Sparsely vegetated land - Callunetum ex graminoides	Sparsely vegetated land	0.00	0.00	0.00	
Sparsely vegetated land - Luminosa parietaria	Sparsely vegetated land	0.00	0.00	0.00	
Wetland - Banded bog	Wetland	0.00	0.00	0.00	
Wetland - Depressions on peat substrates (H7180)	Wetland	0.00	0.00	0.00	
Wetland - Fens (upland and lowland)	Wetland	0.00	0.00	0.00	
Wetland - Lowland raised bog	Wetland	0.00	0.00	0.00	
Wetland - Oceanic valley mire(L1102.1)	Wetland	0.00	0.00	0.00	
Wetland - Purple moor grass and rush pastures	Wetland	0.00	0.00	0.00	
Wetland - Transition mire and quaking bogs (H1140)	Wetland	0.00	0.00	0.00	
Woodland and forest - Wood pasture and parkland	Woodland and forest	0.00	0.00	0.00	
Rocky shore - High energy littoral rock - on peat, clay or chalk	Rocky shore	0.00	0.00	0.00	
Rocky shore - Moderate energy littoral rock - on peat, clay or chalk	Rocky shore	0.00	0.00	0.00	
Rocky shore - Low energy littoral rock - on peat, clay or chalk	Rocky shore	0.00	0.00	0.00	
Rocky shore - Features of littoral rock - on peat, clay or chalk	Rocky shore	0.00	0.00	0.00	
Intertidal sediment - Littoral escarpes on peat, clay or chalk	Intertidal sediment	0.00	0.00	0.00	
		0.00	0.00	0.00	0.00

Very High Distinctiveness Summary	
Very High Distinctiveness Units available to offset lower distinctiveness deficit	0.00

Habitat group	Group	On-site unit change	Off-site unit change	Project-wide unit change	Losses not yet accounted for
Grassland - Traditional orchards	Grassland	0.00	0.00	0.00	
Grassland - Fleckham wetland mosaic and CFCUM	Grassland	100.00	0.00	100.00	
Grassland - Lowland calcareous grassland	Grassland	0.00	0.00	0.00	
Grassland - Tall herb communities (H6140)	Grassland	0.00	0.00	0.00	
Grassland - Upland calcareous grassland	Grassland	0.00	0.00	0.00	
Heathland and shrub - Lowland heathland	Heathland and shrub	0.00	0.00	0.00	
Heathland and shrub - Dunes with sea buckthorn (H9180)	Heathland and shrub	0.00	0.00	0.00	
Heathland and shrub - Upland heathland	Heathland and shrub	0.00	0.00	0.00	
Lakes - High alkalinity lakes	Lakes	0.00	0.00	0.00	
Lakes - Low alkalinity lakes	Lakes	0.00	0.00	0.00	
Lakes - Merl lakes	Lakes	0.00	0.00	0.00	
Lakes - Moderate alkalinity lakes	Lakes	0.00	0.00	0.00	
Lakes - Peat lakes	Lakes	0.00	0.00	0.00	
Lakes - Purple moor grass and rush pastures	Lakes	0.00	0.00	0.00	
Lakes - Temporary lakes ponds and pools (H3170)	Lakes	0.00	0.00	0.00	
Sparsely vegetated land - Coastal sand dunes	Sparsely vegetated land	0.00	0.00	0.00	
Sparsely vegetated land - Coastal vegetated shrubland	Sparsely vegetated land	0.00	0.00	0.00	
Sparsely vegetated land - Island rock outcrop and scree habitats	Sparsely vegetated land	0.00	0.00	0.00	
Sparsely vegetated land - Maritime cliff and slopes	Sparsely vegetated land	0.00	0.00	0.00	
Urban - Open mosaic habitats on previously developed land	Urban	0.00	0.00	0.00	
Wetland - Broadleaved	Wetland	0.00	0.00	0.00	
Woodland and forest - Oak	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Lowland beech and yew woodland	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Lowland mixed deciduous woodland	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Native pine woodlands	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Upland birchwoods	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Upland mixed ashwoods	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Upland oakwood	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Wet woodland	Woodland and forest	0.00	0.00	0.00	
Coastal heath - Coastal heath	Coastal heath	0.00	0.00	0.00	
Rocky shore - High energy littoral rock	Rocky shore	0.00	0.00	0.00	
Rocky shore - Moderate energy littoral rock	Rocky shore	0.00	0.00	0.00	
Rocky shore - Low energy littoral rock	Rocky shore	0.00	0.00	0.00	
Rocky shore - Features of littoral rock	Rocky shore	0.00	0.00	0.00	
Intertidal sediment - Littoral mud	Intertidal sediment	0.00	0.00	0.00	
Intertidal sediment - Littoral mixed sediments	Intertidal sediment	0.00	0.00	0.00	
Coastal saltmarsh - Salicornia and saline meadows	Coastal saltmarsh	0.00	0.00	0.00	
Intertidal sediment - Littoral lacustrine reeds - Murex	Intertidal sediment	0.00	0.00	0.00	
Intertidal sediment - Littoral lacustrine reeds - Salicornia	Intertidal sediment	0.00	0.00	0.00	
Intertidal sediment - Features of littoral sediment	Intertidal sediment	0.00	0.00	0.00	
Intertidal sediment - Littoral muddy sand	Intertidal sediment	0.00	0.00	0.00	
Intertidal sediment - Littoral sandstone	Intertidal sediment	0.00	0.00	0.00	
		308.00	0.00	308.00	0.00

High Distinctiveness Summary	
High Distinctiveness Units available to offset lower distinctiveness deficit	308.00
Unit Deficit: Units for sites not satisfied	0.00

Habitat group	Group	On-site unit change	Off-site unit change	Project wide unit change	Cumulative broad habitat change
Cropland - Arable field margins cultivated annually	Cropland	0.00	0.00	0.00	
Cropland - Arable field margins grass land mix	Cropland	-0.35	0.00	-0.35	-12.57
Cropland - Arable field margins pollen and nectar	Cropland	0.00	0.00	0.00	
Cropland - Arable field margins honey bee	Cropland	2.00	0.00	2.00	
Grassland - Other lowland and upland	Grassland	0.00	0.00	0.00	
Grassland - Other mixed grassland	Grassland	1307.56	0.00	1307.56	1307.56
Grassland - Upland and grassland	Grassland	0.00	0.00	0.00	
Heathland and shrub - Blackthorn scrub	Heathland and shrub	0.00	0.00	0.00	
Heathland and shrub - Bramble scrub	Heathland and shrub	0.00	0.00	0.00	
Heathland and shrub - Gorse scrub	Heathland and shrub	0.00	0.00	0.00	
Heathland and shrub - Hawthorn scrub	Heathland and shrub	0.00	0.00	0.00	
Heathland and shrub - Willow scrub	Heathland and shrub	0.00	0.00	0.00	
Heathland and shrub - Hazel scrub	Heathland and shrub	0.00	0.00	0.00	
Heathland and shrub - Mixed scrub	Heathland and shrub	-0.19	0.00	-0.19	
Lakes - Forest pool priority habitat	Lakes	0.00	0.00	0.00	0.00
Lakes - River pools	Lakes	0.00	0.00	0.00	
Sparsely vegetated land - Other island rock and scree	Sparsely vegetated land	0.00	0.00	0.00	0.00
Urban - Greenhouse and glass structures	Urban	0.00	0.00	0.00	0.00
Urban - Biodiverse green roof	Urban	0.00	0.00	0.00	
Individual trees - Urban trees	Individual trees	0.00	0.00	0.00	0.00
Individual trees - Rural trees	Individual trees	0.00	0.00	0.00	
Woodland and forest - Other forest pine woodland	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Other broadleaved woodland	Woodland and forest	17.06	0.00	17.06	17.06
Woodland and forest - Other woodland, mixed	Woodland and forest	0.00	0.00	0.00	
Intertidal sediment - Littoral coarse sediment	Intertidal sediment	0.00	0.00	0.00	
Intertidal sediment - Littoral sand	Intertidal sediment	0.00	0.00	0.00	0.00
Intertidal hard structures - Artificial hard structures with integrated greening of grey infrastructure (GGI)	Intertidal hard structures	0.00	0.00	0.00	
		1873.46	0.00	1873.46	

Medium Distinctiveness Summary	
Medium Distinctiveness Units available to offset Lower Distinctiveness Deficit	1308.71
Medium Distinctiveness Broad Habitat Deficit to be offset by trading up	-12.27
Higher Distinctiveness Surplus Units minus Medium Distinctiveness Broad Habitat Deficit	324.69
Cumulative surplus of units	1009.41

Habitat group	Group	On-site unit change	Off-site unit change	Project wide unit change
Cropland - Cereals crops	Cropland	0.00	0.00	0.00
Cropland - Horticulture	Cropland	0.00	0.00	0.00
Cropland - Intensive arable	Cropland	0.00	0.00	0.00
Cropland - Non-cereal crops	Cropland	0.00	0.00	0.00
Cropland - Temporary grass and clover leys	Cropland	0.00	0.00	0.00
Cropland - Winter enable	Cropland	0.00	0.00	0.00
Grassland - Moderate grassland	Grassland	1620.04	0.00	1620.04
Grassland - Bracken	Grassland	0.00	0.00	0.00
Heathland and shrub - Rhododendron scrub	Heathland and shrub	0.00	0.00	0.00
Lakes - Ornamental lake or pond	Lakes	0.00	0.00	0.00
Sparsely vegetated land - Rock outcrops	Sparsely vegetated land	-0.00	0.00	-0.00
Sparsely vegetated land - Tall herbs	Sparsely vegetated land	0.00	0.00	0.00
Urban - Biodiverse	Urban	0.00	0.00	0.00
Urban - Low ground	Urban	-0.00	0.00	-0.00
Urban - Allotments	Urban	138.00	0.00	138.00
Urban - Double board green wall	Urban	0.00	0.00	0.00
Urban - Ground based green wall	Urban	0.00	0.00	0.00
Urban - Ground level planters	Urban	0.00	0.00	0.00
Urban - Other green roof	Urban	0.00	0.00	0.00
Urban - Intensive green roof	Urban	0.00	0.00	0.00
Urban - Intensive green roof	Urban	0.00	0.00	0.00
Urban - Intensive green roof	Urban	0.00	0.00	0.00
Urban - Rain garden	Urban	0.00	0.00	0.00
Urban - Actively worked used pit quarry or open cast mine	Urban	0.00	0.00	0.00
Urban - Sustainable drainage system	Urban	0.00	0.00	0.00
Urban - Vacant or derelict land	Urban	0.00	0.00	0.00
Urban - Vegetated garden	Urban	0.00	0.00	0.00
Woodland and forest - Other coniferous woodland	Woodland and forest	0.00	0.00	0.00
Coastal saltmarsh - Artificial saltmarshes and saline meadows	Coastal saltmarsh	0.00	0.00	0.00
Intertidal sediment - Artificial littoral coarse sediment	Intertidal sediment	0.00	0.00	0.00
Intertidal sediment - Artificial littoral mud	Intertidal sediment	0.00	0.00	0.00
Intertidal sediment - Artificial littoral sand	Intertidal sediment	0.00	0.00	0.00
Intertidal sediment - Artificial littoral muddy sand	Intertidal sediment	0.00	0.00	0.00
Intertidal sediment - Artificial littoral mixed sediments	Intertidal sediment	0.00	0.00	0.00
Intertidal sediment - Artificial littoral meadows	Intertidal sediment	0.00	0.00	0.00
Intertidal sediment - Artificial littoral lacustrine reeds	Intertidal sediment	0.00	0.00	0.00
Intertidal hard structures - Artificial hard structures	Intertidal hard structures	0.00	0.00	0.00
Intertidal hard structures - Artificial features of hard structures	Intertidal hard structures	0.00	0.00	0.00
Heathland and shrub - Other sea buckthorn scrub	Heathland and shrub	0.00	0.00	0.00
		308.00	0.00	308.00

Low Distinctiveness Summary	
Low Distinctiveness Units available to offset lower distinctiveness deficit	308.00
Cumulative surplus of units	2017.41

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Trading summary Area Habitats

Trading summary Watercourses

Trading Summary		
Distinctiveness Group	Trading Rule	Trading Satisfied?
Very High	Same habitat required =	Yes ✓
High	Like for like or better	Yes ✓
Medium	Same distinctiveness or better habitat required	Yes ✓
Low/Very Low	Same distinctiveness or better habitat required	Yes ✓

Very High Distinctiveness			
Habitat group	On-site unit change	Off-site unit change	Project-wide unit change
Species-rich native hedgerow with trees - associated with bank or ditch	0.00	0.00	0.00
	0.00	0.00	0.00

Very High Distinctiveness Summary	
High Distinctiveness Units available to offset lower distinctiveness deficit	0.00
Unit Deficit; Like for like not satisfied	0.00

High Distinctiveness			
Habitat group	On-site unit change	Off-site unit change	Project wide unit change
Species-rich native hedgerow with trees	120.18	0.00	120.18
Species-rich native hedgerow - associated with bank or ditch	0.00	0.00	0.00
Native hedgerow with trees - associated with bank or ditch	0.00	0.00	0.00
	120.18	0.00	120.18

High Distinctiveness Summary	
High Distinctiveness Units available to offset lower distinctiveness deficit	120.18
Unit Deficit; Like for like or better not satisfied	0.00

Medium Distinctiveness			
Habitat group	On-site unit change	Off-site unit change	Project wide unit change
Species-rich native hedgerow	270.34	0.00	270.34
Native hedgerow - associated with bank or ditch	0.00	0.00	0.00
Native hedgerow with trees	-11.04	0.00	-11.04
Ecologically valuable line of trees	0.00	0.00	0.00
Ecologically valuable line of trees - associated with bank or ditch	0.00	0.00	0.00
	259.30	0.00	259.30

Medium Distinctiveness Summary	
Units available from higher distinctiveness habitats	0.00
Medium Distinctiveness net change in units	259.30
Cumulative availability of units	259.30

Low/Very Low Distinctiveness			
Habitat group	On-site unit change	Off-site unit change	Project wide unit change
Native hedgerow	-47.28	0.00	-47.28
Line of trees	0.00	0.00	0.00
Line of trees - associated with bank or ditch	0.00	0.00	0.00
Non-native and ornamental hedgerow	0.00	0.00	0.00
	-47.28	0.00	-47.28

Low Distinctiveness Summary	
Low Distinctiveness net change in units	-47.28
Cumulative availability of units	212.01

<div>Return to results menu</div> <div>Trading summary Area Habitats</div> <div>Trading summary hedgerows</div>	Trading Summary					
	Distinctiveness Group		Trading Rule		Trading Satisfied?	
	Very High		Bespoke compensation likely to be required ✖		Yes ✓	
	High		Same habitat required =		Yes ✓	
	Medium		Same habitat required =		Yes ✓	
	Low		Better distinctiveness habitat required		Yes ✓	
Very High Distinctiveness						
Habitat group		On-site unit change	Off-site unit change	Project-wide unit change		
Priority habitat		0.00	0.00	0.00		
		0.00	0.00	0.00		
High Distinctiveness						
Habitat group		On-site unit change	Off-site unit change	Project-wide unit change		
Other rivers and streams		0.00	0.00	0.00		
		0.00	0.00	0.00		
Medium Distinctiveness						
Habitat group		On-site unit change	Off-site unit change	Project wide unit change		
Ditches		0.00	0.00	0.00		
Canals		0.00	0.00	0.00		
		0.00	0.00	0.00		
Low Distinctiveness						
Habitat group		On-site unit change	Off-site unit change	Project wide unit change		
Culvert		0.00	0.00	0.00		
		0.00	0.00	0.00		
Very High Distinctiveness Summary						
Very High Distinctiveness Units available to offset lower distinctiveness deficit				0.00		
High Distinctiveness Summary						
High Distinctiveness Units available to offset lower distinctiveness deficit				0.00		
Unit Deficit; Like for like not satisfied				0.00		
Medium Distinctiveness Summary						
Medium Distinctiveness Units available to offset Lower Distinctiveness Deficit				0.00		
Unit Deficit; Like for like not satisfied				0.00		
Low Distinctiveness Summary						
Low Distinctiveness net change in units				0.00		
Cumulative availability of units				0.00		

Summary of sites providing area habitat unit gains

[illegible]

[illegible]

[illegible]

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		0	0	0	0	0		0
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		0	0	0	0	0		0

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Project Name: Bogey West Solar Farm Map Reference:
A-3 On-Site Habitat Enhancement

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Distinctiveness Band Sub-totals

Very High

Relative Group	Group	Relative Score	Relative Value Lost	Perceived Area Quality	Perceived Value Quality	Quality Area Change	Quality Risk Change	Perceived Area Quality	Quality Risk Change	Net Change Indicator (Quality Lost or Reduced)	Value Reduced Quality
Very High	Group 1	100	100	100	100	100	100	100	100	0	0
	Group 2	95	95	95	95	95	95	95	95	0	0
	Group 3	90	90	90	90	90	90	90	90	0	0
	Group 4	85	85	85	85	85	85	85	85	0	0
	Group 5	80	80	80	80	80	80	80	80	0	0
	Group 6	75	75	75	75	75	75	75	75	0	0
	Group 7	70	70	70	70	70	70	70	70	0	0
	Group 8	65	65	65	65	65	65	65	65	0	0
	Group 9	60	60	60	60	60	60	60	60	0	0
	Group 10	55	55	55	55	55	55	55	55	0	0
	Group 11	50	50	50	50	50	50	50	50	0	0
	Group 12	45	45	45	45	45	45	45	45	0	0
	Group 13	40	40	40	40	40	40	40	40	0	0
	Group 14	35	35	35	35	35	35	35	35	0	0
	Group 15	30	30	30	30	30	30	30	30	0	0
	Group 16	25	25	25	25	25	25	25	25	0	0
	Group 17	20	20	20	20	20	20	20	20	0	0
	Group 18	15	15	15	15	15	15	15	15	0	0
	Group 19	10	10	10	10	10	10	10	10	0	0
	Group 20	5	5	5	5	5	5	5	5	0	0
	Group 21	0	0	0	0	0	0	0	0	0	0
	Group 22	-5	-5	-5	-5	-5	-5	-5	-5	0	0
	Group 23	-10	-10	-10	-10	-10	-10	-10	-10	0	0
	Group 24	-15	-15	-15	-15	-15	-15	-15	-15	0	0
	Group 25	-20	-20	-20	-20	-20	-20	-20	-20	0	0
	Group 26	-25	-25	-25	-25	-25	-25	-25	-25	0	0
	Group 27	-30	-30	-30	-30	-30	-30	-30	-30	0	0
	Group 28	-35	-35	-35	-35	-35	-35	-35	-35	0	0
	Group 29	-40	-40	-40	-40	-40	-40	-40	-40	0	0
	Group 30	-45	-45	-45	-45	-45	-45	-45	-45	0	0
	Group 31	-50	-50	-50	-50	-50	-50	-50	-50	0	0
	Group 32	-55	-55	-55	-55	-55	-55	-55	-55	0	0
	Group 33	-60	-60	-60	-60	-60	-60	-60	-60	0	0
	Group 34	-65	-65	-65	-65	-65	-65	-65	-65	0	0
	Group 35	-70	-70	-70	-70	-70	-70	-70	-70	0	0
	Group 36	-75	-75	-75	-75	-75	-75	-75	-75	0	0
	Group 37	-80	-80	-80	-80	-80	-80	-80	-80	0	0
	Group 38	-85	-85	-85	-85	-85	-85	-85	-85	0	0
	Group 39	-90	-90	-90	-90	-90	-90	-90	-90	0	0
	Group 40	-95	-95	-95	-95	-95	-95	-95	-95	0	0
	Group 41	-100	-100	-100	-100	-100	-100	-100	-100	0	0
	Group 42	-105	-105	-105	-105						

High

Relative Group	Group	Relative Score	Relative Value Lost	Perceived Area Quality	Perceived Value Quality	Quality Area Change	Quality Risk Change	Perceived Area Quality	Quality Risk Change	Net Change Indicator (Quality Lost or Reduced)	Value Reduced Quality
High	Group 1	100	100	100	100	100	100	100	100	0	0
	Group 2	95	95	95	95	95	95	95	95	0	0
	Group 3	90	90	90	90	90	90	90	90	0	0
	Group 4	85	85	85	85	85	85	85	85	0	0
	Group 5	80	80	80	80	80	80	80	80	0	0
	Group 6	75	75	75	75	75	75	75	75	0	0
	Group 7	70	70	70	70	70	70	70	70	0	0
	Group 8	65	65	65	65	65	65	65	65	0	0
	Group 9	60	60	60	60	60	60	60	60	0	0
	Group 10	55	55	55	55	55	55	55	55	0	0
	Group 11	50	50	50	50	50	50	50	50	0	0
	Group 12	45	45	45	45	45	45	45	45	0	0
	Group 13	40	40	40	40	40	40	40	40	0	0
	Group 14	35	35	35	35	35	35	35	35	0	0
	Group 15	30	30	30	30	30	30	30	30	0	0
	Group 16	25	25	25	25	25	25	25	25	0	0
	Group 17	20	20	20	20	20	20	20	20	0	0
	Group 18	15	15	15	15	15	15	15	15	0	0
	Group 19	10	10	10	10	10	10	10	10	0	0
	Group 20	5	5	5	5	5	5	5	5	0	0
	Group 21	0	0	0	0	0	0	0	0	0	0
	Group 22	-5	-5	-5	-5	-5	-5	-5	-5	0	0
	Group 23	-10	-10	-10	-10	-10	-10	-10	-10	0	0
	Group 24	-15	-15	-15	-15	-15	-15	-15	-15	0	0
	Group 25	-20	-20	-20	-20	-20	-20	-20	-20	0	0
	Group 26	-25	-25	-25	-25	-25	-25	-25	-25	0	0
	Group 27	-30	-30	-30	-30	-30	-30	-30	-30	0	0
	Group 28	-35	-35	-35	-35	-35	-35	-35	-35	0	0
	Group 29	-40	-40	-40	-40	-40	-40	-40	-40	0	0
	Group 30	-45	-45	-45	-45	-45	-45	-45	-45	0	0
	Group 31	-50	-50	-50	-50	-50	-50	-50	-50	0	0
	Group 32	-55	-55	-55	-55	-55	-55	-55	-55	0	0
	Group 33	-60	-60	-60	-60	-60	-60	-60	-60	0	0
	Group 34	-65	-65	-65	-65	-65	-65	-65	-65	0	0
	Group 35	-70	-70	-70	-70	-70	-70	-70	-70	0	0
	Group 36	-75	-75	-75	-75	-75	-75	-75	-75	0	0
	Group 37	-80	-80	-80	-80	-80	-80	-80	-80	0	0
	Group 38	-85	-85	-85	-85	-85	-85	-85	-85	0	0
	Group 39	-90	-90	-90	-90	-90	-90	-90	-90	0	0
	Group 40	-95	-95	-95	-95	-95	-95	-95	-95	0	0
	Group 41	-100	-100	-100	-100	-100	-100	-100	-100	0	0
	Group 42	-105	-105	-105	-105						

Medium

Relative Group	Group	Relative Score	Relative Value Lost	Perceived Area Quality	Perceived Value Quality	Quality Area Change	Quality Risk Change	Perceived Area Quality	Quality Risk Change	Net Change Indicator (Quality Lost or Reduced)	Value Reduced Quality
Medium	Group 1	100	100	100	100	100	100	100	100	0	0
	Group 2	95	95	95	95	95	95	95	95	0	0
	Group 3	90	90	90	90	90	90	90	90	0	0
	Group 4	85	85	85	85	85	85	85	85	0	0
	Group 5	80	80	80	80	80	80	80	80	0	0
	Group 6	75	75	75	75	75	75	75	75	0	0
	Group 7	70	70	70	70	70	70	70	70	0	0
	Group 8	65	65	65	65	65	65	65	65	0	0
	Group 9	60	60	60	60	60	60	60	60	0	0
	Group 10	55	55	55	55	55	55	55	55	0	0
	Group 11	50	50	50	50	50	50	50	50	0	0
	Group 12	45	45	45	45	45	45	45	45	0	0
	Group 13	40	40	40	40	40	40	40	40	0	0
	Group 14	35	35	35	35	35	35	35	35	0	0
	Group 15	30	30	30	30	30	30	30	30	0	0
	Group 16	25	25	25	25	25	25	25	25	0	0
	Group 17	20	20	20	20	20	20	20	20	0	0
	Group 18	15	15	15	15	15	15	15	15	0	0
	Group 19	10	10	10	10	10	10	10	10	0	0
	Group 20	5	5	5	5	5	5	5	5	0	0
	Group 21	0	0	0	0	0	0	0	0	0	0
	Group 22	-5	-5	-5	-5	-5	-5	-5	-5	0	0
	Group 23	-10	-10	-10	-10	-10	-10	-10	-10	0	0
	Group 24	-15	-15	-15	-15	-15	-15	-15	-15	0	0
	Group 25	-20	-20	-20	-20	-20	-20	-20	-20	0	0
	Group 26	-25	-25	-25	-25	-25	-25	-25	-25	0	0
	Group 27	-30	-30	-30	-30	-30	-30	-30	-30	0	0
	Group 28	-35	-35	-35	-35	-35	-35	-35	-35	0	0
	Group 29	-40	-40	-40	-40	-40	-40	-40	-40	0	0
	Group 30	-45	-45	-45	-45	-45	-45	-45	-45	0	0
	Group 31	-50	-50	-50	-50	-50	-50	-50	-50	0	0
	Group 32	-55	-55	-55	-55	-55	-55	-55	-55	0	0
	Group 33	-60	-60	-60	-60	-60	-60	-60	-60	0	0
	Group 34	-65	-65	-65	-65	-65	-65	-65	-65	0	0
	Group 35	-70	-70	-70	-70	-70	-70	-70	-70	0	0
	Group 36	-75	-75	-75	-75	-75	-75	-75	-75	0	0
	Group 37	-80	-80	-80	-80	-80	-80	-80	-80	0	0
	Group 38	-85	-85	-85	-85	-85	-85	-85	-85	0	0
	Group 39	-90	-90	-90	-90	-90	-90	-90	-90	0	0
	Group 40	-95	-95	-95	-95	-95	-95	-95	-95	0	0
	Group 41	-100	-100	-100	-100	-100	-100	-100	-100	0	0
	Group 42	-105	-105	-105	-105						

Low

Relative Group	Group	Relative Score	Relative Value Lost	Perceived Area Quality	Perceived Value Quality	Quality Area Change	Quality Risk Change	Perceived Area Quality	Quality Risk Change	Net Change Indicator (Quality Lost or Reduced)	Value Reduced Quality
Low	Group 1	100	100	100	100	100	100	100	100	0	0
	Group 2	95	95	95	95	95	95	95	95	0	0
	Group 3	90	90	90	90	90	90	90	90	0	0
	Group 4	85	85	85	85	85	85	85	85	0	0
	Group 5	80	80	80	80	80	80	80	80	0	0
	Group 6	75	75	75	75	75	75	75	75	0	0
	Group 7	70	70	70	70	70	70	70	70	0	0
	Group 8	65	65	65	65	65	65	65	65	0	0
	Group 9	60	60	60	60	60	60	60	60	0	0
	Group 10	55	55	55	55	55	55	55	55	0	0
	Group 11	50	50	50	50	50	50	50	50	0	0
	Group 12	45	45	45	45	45	45	45	45	0	0
	Group 13	40	40	40	40	40	40	40	40	0	0
	Group 14	35	35	35	35	35	35	35	35	0	0
	Group 15	30	30	30	30	30	30	30	30	0	0
	Group 16	25	25	25	25	25	25	25	25	0	0
	Group 17	20	20	20	20	20	20	20	20	0	0
	Group 18	15	15	15	15	15	15	15	15	0	0
	Group 19	10	10	10	10	10	10	10	10	0	0
	Group 20	5	5	5	5	5	5	5	5	0	0
	Group 21	0	0	0	0	0	0	0	0	0	0
	Group 22	-5	-5	-5	-5	-5	-5	-5	-5	0	0
	Group 23	-10	-10	-10	-10	-10	-10	-10</			

Return to start				
Risk				
Habitat Description	Technical Difficulty Creation	Multiplier	Technical Difficulty Enhancement	Multiplier
Coastal lagoons - Coastal lagoons	Medium	0.67	Medium	0.67
Coastal saltmarsh - Saltmarshes and saline reedbeds	High	0.33	Medium	0.67
Cropland - Arable field margins cultivated annually	Low	1	Low	1
Cropland - Arable field margins game bird mix	Low	1	Low	1
Cropland - Arable field margins pollen and nectar	Low	1	Low	1
Cropland - Arable field margins tussocky	Low	1	Low	1
Cropland - Cereal crops	Low	1	Low	1
Cropland - Winter stubble	Low	1	Low	1
Cropland - Horticulture	Low	1	Low	1
Cropland - Intensive orchards	Low	1	Low	1
Cropland - Non-cereal crops	Low	1	Low	1
Cropland - Temporary grass and clover leys	Low	1	Low	1
Grassland - Traditional orchards	Low	1	Medium	0.67
Grassland - Bracken	Low	1	Low	1
Grassland - Floodplain wetland mosaic and CFGM	High	0.33	Medium	0.67
Grassland - Lowland calcareous grassland	High	0.33	High	0.33
Grassland - Lowland dry acid grassland	High	0.33	High	0.33
Grassland - Lowland meadows	High	0.33	Medium	0.67
Grassland - Modified grassland	Low	1	Low	1
Grassland - Other lowland acid grassland	Low	1	Low	1
Grassland - Other neutral grassland	Low	1	Low	1
Grassland - Tall herb communities (H430)	High	0.33	High	0.33
Grassland - Upland acid grassland	Low	1	Low	1
Grassland - Upland calcareous grassland	High	0.33	High	0.33
Grassland - Upland hay meadows	High	0.33	Medium	0.67
Heathland and shrub - Blackthorn scrub	Low	1	Low	1
Heathland and shrub - Bramble scrub	Low	1	Low	1
Heathland and shrub - Gorse scrub	Low	1	Low	1
Heathland and shrub - Hawthorn scrub	Low	1	Low	1
Heathland and shrub - Hazel scrub	Medium	0.67	Low	1
Heathland and shrub - Willow scrub	Medium	0.67	Low	1
Heathland and shrub - Lowland heathland	High	0.33	Low	1
Heathland and shrub - Mixed scrub	Low	1	Low	1
Heathland and shrub - Mountain heath and willow scrub	High	0.33	High	0.33
Heathland and shrub - Rhododendron scrub	Low	1	Low	1
Heathland and shrub - Dunes with sea buckthorn (H2160)	Medium	0.67	Low	1
Heathland and shrub - Other sea buckthorn scrub	Low	1	Low	1
Heathland and shrub - Upland heathland	Medium	0.67	Medium	0.67
Intertidal sediment - Artificial littoral biogenic reefs	High	0.33	Medium	0.67
Intertidal sediment - Artificial littoral coarse sediment	Medium	0.67	Medium	0.67
Intertidal sediment - Artificial littoral mixed sediments	High	0.33	Medium	0.67
Intertidal sediment - Artificial littoral muddy sand	High	0.33	Medium	0.67
Intertidal sediment - Artificial littoral seagrass	High	0.33	High	0.33
Intertidal sediment - Features of littoral sediment	High	0.33	Medium	0.67
Intertidal sediment - Littoral biogenic reefs - Sabellaria	High	0.33	Medium	0.67
Intertidal sediment - Littoral coarse sediment	Medium	0.67	Medium	0.67
Intertidal sediment - Littoral mixed sediments	High	0.33	Medium	0.67
Intertidal sediment - Littoral mud	High	0.33	Medium	0.67
Intertidal sediment - Littoral seagrass	High	0.33	High	0.33
Intertidal sediment - Littoral seagrass on peat, clay or chalk	Very High	0.1	High	0.33
Lakes - Aquifer fed naturally fluctuating water bodies	Low	0.1	High	0.33
Lakes - Ornamental lake or pond	Low	1	High	0.33
Lakes - High alkalinity lakes	High	0.33	High	0.33
Lakes - Low alkalinity lakes	High	0.33	Medium	0.67
Lakes - Marl lakes	High	0.33	High	0.33
Lakes - Moderate alkalinity lakes	High	0.33	High	0.33
Lakes - Peat lakes	High	0.33	High	0.33
Lakes - Ponds (non-priority habitats)	Low	1	Medium	0.67
Lakes - Ponds (priority habitats)	Medium	0.67	Medium	0.67
Lakes - Reservoirs	Medium	0.67	Medium	0.67
Lakes - Temporary lakes ponds and pools (H3170)	Medium	0.67	Medium	0.67
Rocky shore - Features of littoral rock	Medium	0.33	Medium	0.67
Rocky shore - Features of littoral rock - on peat, clay or chalk	Very High	0.1	Medium	0.67
Rocky shore - High energy littoral rock	High	0.33	Medium	0.67
Rocky shore - High energy littoral rock - on peat, clay or chalk	Very High	0.1	Medium	0.67
Rocky shore - Low energy littoral rock	High	0.33	Medium	0.67
Rocky shore - Low energy littoral rock - on peat, clay or chalk	Very High	0.1	Medium	0.67
Rocky shore - Moderate energy littoral rock	High	0.33	Medium	0.67
Rocky shore - Moderate energy littoral rock - on peat, clay or chalk	Very High	0.1	Medium	0.67
Sparsely vegetated land - Colonisation grasslands	Medium	0.67	Medium	0.67
Sparsely vegetated land - Coastal sand dunes	Very High	0.1	Medium	0.67
Sparsely vegetated land - Coastal vegetated shrub	Very High	0.1	Medium	0.67
Sparsely vegetated land - Inland rock outcrop and scree habitats	High	0.33	Low	1
Sparsely vegetated land - Limestone pavement	Very High	0.1	Medium	0.67
Sparsely vegetated land - Maritime cliff and slopes	High	0.33	Medium	0.67
Sparsely vegetated land - Other inland rock and scree	Medium	0.67	Medium	0.67
Sparsely vegetated land - Ruderal Epibemral	Low	1	Medium	0.67
Sparsely vegetated land - Tall for	1	1	Medium	0.67
Urban - Vacant or derelict land	Low	1	Low	1
Urban - Bare ground	Low	1	Low	1
Urban - Aliments	Low	1	Low	1
Urban - Artificial unvegetated, unsealed surface	Low	1	Low	1
Urban - Borehole	Medium	0.67	Low	1
Urban - Intensive green roof	Low	1	Low	1
Urban - Sub linear features	Low	1	Low	1
Urban - Cemeteries and churchyards	Medium	0.67	Low	1
Urban - Developed land, sealed surface	Low	1	Medium	0.67
Urban - Other green roof	Low	1	Low	1
Urban - Facade based green wall	Medium	0.67	Medium	0.67
Urban - Ground based green wall	Medium	0.67	Medium	0.67
Urban - Ground level planters	Low	1	Low	1
Urban - Biodiverse green roof	Medium	0.67	Medium	0.67
Urban - Introduced shrub	Low	1	Low	1
Urban - Open mosaic habitats on previously developed land	Medium	0.67	Medium	0.67
Urban - Rain garden	Low	1	Low	1
Urban - Actively worked sand pit quarry or open cast mine	Medium	0.67	Medium	0.67
Individual trees - Urban tree	Low	1	Low	1
Urban - Sustainable drainage system	Medium	0.67	Medium	0.67
Urban - Unvegetated garden	Low	1	Low	1
Urban - Vegetated garden	Low	1	Low	1
Wetland - Blanket bog	Very High	0.1	High	0.33
Wetland - Depressions on peat substrates (H7150)	Very High	0.1	High	0.33
Wetland - Fens (upland and lowland)	High	0.33	High	0.33
Wetland - Lowland raised bog	Very High	0.1	High	0.33
Wetland - Downic valley mire(1) (D2 1)	Very High	0.1	High	0.33
Wetland - Purple moor grass and rush pastures	High	0.33	High	0.33
Wetland - Reedbeds	Medium	0.67	Medium	0.67
Wetland - Transition mires and quaking bogs (H7140)	Very High	0.1	High	0.33
Woodland and forest - Felled	High	0.33	Low	1
Woodland and forest - Lowland beech and yew woodland	High	0.33	High	0.33
Woodland and forest - Lowland mixed deciduous woodland	High	0.33	High	0.33
Woodland and forest - Native pine woodlands	High	0.33	High	0.33
Woodland and forest - Other coniferous woodland	Low	1	Low	1
Woodland and forest - Other Scots pine woodland	Medium	0.67	Medium	0.67
Woodland and forest - Other woodland broadleaved	Low	1	Low	1
Woodland and forest - Other woodland, mixed	Low	1	Low	1
Woodland and forest - Upland birchwoods	Medium	0.67	Medium	0.67
Woodland and forest - Upland mixed ashwoods	High	0.33	High	0.33
Woodland and forest - Upland oakwood	High	0.33	High	0.33
Woodland and forest - Wet woodland	Medium	0.67	Medium	0.67
Woodland and forest - Wood-pasture and parkland	Very High	0.1	High	0.33
Intertidal sediment - Littoral sand	Medium	0.67	Medium	0.67
Intertidal sediment - Littoral muddy sand	High	0.33	Medium	0.67
Intertidal hard structures - Artificial hard structures	Medium	0.67	Medium	0.67
Intertidal hard structures - Artificial features of hard structures	Medium	0.67	Medium	0.67
Intertidal hard structures - Artificial hard structures with integrated greenery of grey infra	Medium	0.67	Medium	0.67
Coastal saltmarsh - Artificial saltmarshes and saline reedbeds	High	0.33	Medium	0.67
Intertidal sediment - Littoral biogenic reefs - Mussels	High	0.33	Medium	0.67
Intertidal sediment - Artificial littoral mud	High	0.33	Medium	0.67
Intertidal sediment - Artificial littoral sand	Medium	0.67	Medium	0.67
Watercourse footprint - Watercourse footprint	Low	1	Low	1
Individual trees - Rural tree	Low	1	Low	1

Spatial multipliers		
Strategic Significance		
Description	Strategic significance	Multiplier
Formally identified in local strategy	High strategic significance	1.15
Location ecologically desirable but not in local strategy	Medium strategic significance	1.1
Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1

Difficulty	
Category	Value
Low	1
Medium	0.67
High	0.33
Very High	0.1

Spatial risk	
Category	Multiplier
Compensation inside LPA boundary or NCA of impact site	1
Compensation outside LPA or NCA of impact site, but in neighbouring LPA or NCA	0.75
Compensation outside LPA or NCA of impact site and neighbouring LPA or NCA	0.5
This metric is being used by an off-site provider	1
Intertidal habitats - Compensation inside Marine Plan Area of impact site	1
Intertidal habitats - Compensation outside, same Marine Plan Area but in neighbouring Marine Plan Area	0.75
Intertidal habitats - Compensation outside, Marine Plan Area of impact site and beyond neighbouring Marine Plan Area	0.5

Urban trees			
Tree size	Diameter (m)	RPA Radius (m)	RPA (ha)
Small	0.3	3.6	0.0041
Medium	0.9	10.8	0.0366
Large	1.3	15.6	0.0765

Return to start		
Temporal multipliers		
Year	% of original unit	Time to target Multiplier
0	100	1.000
1	96.5	0.965
2	93.1235	0.931
3	89.853125	0.899
4	86.71800025	0.867
5	83.68287006	0.837
6	80.75396961	0.808
7	77.92799067	0.779
8	75.20011635	0.762
9	72.56811131	0.726
10	70.02822742	0.700
11	67.57723946	0.676
12	65.21203607	0.652
13	62.92991481	0.629
14	60.72707829	0.607
15	58.60163055	0.586
16	56.55057348	0.566
17	54.57130341	0.546
18	52.66130779	0.527
19	50.81816202	0.508
20	49.03952635	0.490
21	47.32314293	0.473
22	45.66683292	0.457
23	44.06483777	0.441
24	42.52609649	0.425
25	41.03768311	0.410
26	39.6013642	0.396
27	38.21531646	0.382
28	36.87775039	0.369
29	35.58705807	0.356
30	34.34161104	0.343
31	33.13959815	0.331
30+	31.97967361	0.320
Not Possible	N/A	N/A
Habitat banking dropdown list		
Year		
0		
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
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23		
24		
25		
26		
27		
28		
29		
30		
30+		
Creation		
Habitat Description	Good	Fairly Good
Cropland - Arable field margins cultivated annually	Not Possible	Not Possible
Cropland - Arable field margins game bird mix	Not Possible	Not Possible
Cropland - Arable field margins pollen and nectar	Not Possible	Not Possible
Cropland - Arable field margins tussocky	Not Possible	Not Possible
Cropland - Cereal crops	Not Possible	Not Possible
Cropland - Winter stubble	Not Possible	Not Possible
Cropland - Horticulture	Not Possible	Not Possible
Cropland - Intensive orchards	Not Possible	Not Possible
Cropland - Non-cereal crops	Not Possible	Not Possible
Cropland - Temporary grass and clover leys	Not Possible	Not Possible
Grassland - Traditional orchards	30	25
Grassland - Bracken	Not Possible	Not Possible
Grassland - Floodplain wetland mosaic and CFQM	20	15
Grassland - Lowland calcareous grassland	20	15
Grassland - Lowland dry acid grassland	30+	25
Grassland - Lowland meadows	15	12
Grassland - Modified grassland	7	5
Grassland - Other lowland acid grassland	15	12
Grassland - Other neutral grassland	10	7
Grassland - Tall herb communities (H6430)	30	25
Grassland - Upland acid grassland	15	12
Grassland - Upland calcareous grassland	25	20
Grassland - Upland hay meadows	20	18
Heathland and shrub - Blackthorn scrub	10	7
Heathland and shrub - Bramble scrub	Not Possible	Not Possible
Heathland and shrub - Gorse scrub	10	7
Heathland and shrub - Hawthorn scrub	10	7
Heathland and shrub - Hazel scrub	15	12
Heathland and shrub - Willow scrub	15	12
Heathland and shrub - Lowland heathland	30+	25
Heathland and shrub - Mixed scrub	10	7
Heathland and shrub - Mountain heaths and willow scrub	30+	25
Heathland and shrub - Rhododendron scrub	Not Possible	Not Possible
Heathland and shrub - Dunes with sea buckthorn (H2160)	10	7
Heathland and shrub - Other sea buckthorn scrub	Not Possible	Not Possible
Heathland and shrub - Upland heathland	30	25
Lakes - Aquifer fed naturally fluctuating water bodies	30	20
Lakes - High alkalinity lakes	30	20
Lakes - Low alkalinity lakes	30	20
Lakes - Marl lakes	30	20
Lakes - Moderate alkalinity lakes	30	20
Lakes - Peat lakes	30	20
Lakes - Ponds (priority habitat)	5	4
Lakes - Ponds (non-priority habitat)	5	4
Lakes - Reservoirs	10	7
Lakes - Temporary lakes ponds and pools (H3170)	5	4
Sparsely vegetated land - Calaminarian grasslands	7	5
Sparsely vegetated land - Coastal sand dunes	20	15
Sparsely vegetated land - Coastal vegetated shrubs	20	15
Sparsely vegetated land - Ruderal/Ephemeral	5	4
Sparsely vegetated land - Tall forbs	5	4
Sparsely vegetated land - Island rock outcrop and scree habitats	30+	25
Sparsely vegetated land - Limestone pavement	30+	30+
Sparsely vegetated land - Maritime cliff and slopes	20	15
Sparsely vegetated land - Other inland rock and scree	20	15
Urban - Allotments	1	1
Lakes - Ornamental lake or pond	5	4
Urban - Artificial unvegetated, sealed surface	Not Possible	Not Possible
Urban - Bioswale	3	2
Urban - Intensive green roof	5	4
Urban - Built linear features	Not Possible	Not Possible
Urban - Cemeteries and churchyards	20	17
Urban - Developed land, sealed surface	Not Possible	Not Possible
Urban - Other green roof	Not Possible	Not Possible
Urban - Facade-bound green wall	Not Possible	Not Possible
Urban - Ground based green wall	5	4
Urban - Ground level planters	Not Possible	Not Possible
Urban - Biodiverse green roof	10	8
Urban - Introduced shrub	Not Possible	Not Possible
Urban - Open mosaic habitats on previously developed land	10	7
Urban - Rain garden	6	4
Urban - Actively worked sand pit/quarry or open cast mine	Not Possible	Not Possible
Individual trees - Urban tree	30+	30+
Urban - Sustainable drainage system	5	4
Urban - Unvegetated garden	Not Possible	Not Possible
Urban - Vacant or derelict land	5	4
Urban - Bare ground	Not Possible	Not Possible
Urban - Vegetated garden	Not Possible	Not Possible
Wetland - Blanket bog	30+	30+
Wetland - Depressions on peat substrates (H7150)	30+	30+
Wetland - Fens (upland and lowland)	30	25
Wetland - Lowland raised bog	30+	30+
Wetland - Oceanic valley mires (D1 D2 1)	30+	30+
Wetland - Purple moor grass and rush pastures	30	25
Wetland - Reedbeds	12	10
Wetland - Transition mires and quaking bogs (H7140)	30+	30+
Woodland and forest - Pollard	30+	Not Possible
Woodland and forest - Lowland beech and yew woodland	30+	30+
Woodland and forest - Lowland mixed deciduous woodland	30+	30+
Woodland and forest - Native pine woodlands	30+	30+
Woodland and forest - Other coniferous woodland	30+	30+
Woodland and forest - Other Scot's pine woodland	30+	30+
Woodland and forest - Other woodland, broadleaved	30+	25
Woodland and forest - Other woodland, mixed	30+	30+
Woodland and forest - Upland hawthoods	30+	30
Woodland and forest - Upland mixed ashwoods	30+	30+
Woodland and forest - Upland oakwood	30+	30+
Woodland and forest - Wet woodland	30+	30
Woodland and forest - Wood-pasture and parkland	30+	30+
Coastal lagoons - Coastal lagoons	10	7
Rocky shore - High energy littoral rock	10	7
Rocky shore - High energy littoral rock - on peat, clay or chalk	30+	30+
Rocky shore - Moderate energy littoral rock	13	8
Rocky shore - Moderate energy littoral rock - on peat, clay or chalk	30+	30+
Rocky shore - Low energy littoral rock	15	10
Rocky shore - Low energy littoral rock - on peat, clay or chalk	30+	30+
Rocky shore - Features of littoral rock	13	8
Rocky shore - Features of littoral rock - on peat, clay or chalk	30+	30+
Intertidal sediment - Littoral coarse sediment	3	2
Intertidal sediment - Littoral mud	6	4
Intertidal sediment - Littoral mixed sediments	5	4
Coastal saltmarsh - Saltmarshes and saline reedbeds	15	10
Coastal saltmarsh - Artificial saltmarshes and saline reedbeds	15	10
Intertidal sediment - Littoral seagrass	20	15
Intertidal sediment - Littoral seagrass on peat, clay or chalk	30+	30+
Intertidal sediment - Littoral biogenic reefs - Mussels	15	10
Intertidal sediment - Littoral biogenic reefs - Sabellans	15	10
Intertidal sediment - Features of littoral sediment	10	7
Intertidal sediment - Artificial littoral coarse sediment	3	2
Intertidal sediment - Artificial littoral mud	6	4
Intertidal sediment - Artificial littoral sand	4	2
Intertidal sediment - Artificial littoral muddy sand	5	4
Intertidal sediment - Artificial littoral mixed sediments	5	4
Intertidal sediment - Artificial littoral seagrass	20	15
Intertidal sediment - Artificial littoral biogenic reefs	15	10
Intertidal sediment - Littoral sand	13	8
Intertidal sediment - Littoral muddy sand	5	4
Intertidal hard structures - Artificial hard structures	15	10
Intertidal hard structures - Artificial features of hard structures	13	8
Intertidal hard structures - Artificial hard structures with integrated greening of grey infrastructure (RCK)	13	8
Watercourse footprint - Watercourse footprint	Not Possible	Not Possible
Individual trees - Rural tree	30+	30+

Return to start

Habitat Description	Disturbance		Difficulty			Condition				
	Disturbance Category	Disturbance Score	Technical Difficulty Creation	Technical Difficulty Rehabilitation	Timing notes	Good	Fairly Good	Moderate	Fairly Poor	Poor
Priority habitat	V.High	8	High	Medium	Requires compensation study to be required X	3	2.5	2	1.5	1
Other rivers and streams	High	6	High	Medium	Some habitat required to	3	2.5	2	1.5	1
Ditches	Medium	4	Low	Medium	Some habitat required to	3	2.5	2	1.5	1
Canals	Medium	4	Low	Medium	Some habitat required to	3	2.5	2	1.5	1
Culvert	Low	2	Low	Medium	Some disturbance is habitat allowed	Not Possible	Not Possible	Not Possible	Not Possible	1

Creation - Years to Target Condition for	
Good	10
Fairly Good	8
Moderate	6
Fairly Poor	2
Poor	1

Rehabilitation - Years to Target Condition for All Habitats	
Rehabilitation through Disturbance	10

Rehabilitation - Years to Target Condition					
Baseline Condition	Proposed Condition				
	Poor	Fairly Poor	Moderate	Fairly Good	Good
Poor	1	2	3	4	5
Fairly Poor	N/A	1	2	3	4
Moderate	N/A	N/A	1	2	3
Fairly Good	N/A	N/A	N/A	1	2
Good	N/A	N/A	N/A	N/A	1

Encroachment	
Encroachment into Waterspace	multiplier
No Encroachment	1
Minor	0.8
Major	0.5
N/A - Culvert	1

Encroachment	
Species Encroachment for Each Route	multiplier
Major/Minor	0.75
Major/Moderate	0.6
Major/Minor	0.64
Major/No Encroachment	0.67
Moderate/Moderate	0.55
Moderate/Minor	0.9
Moderate/No Encroachment	0.92
Minor/Minor	0.55
Minor/No Encroachment	0.55
No Encroachment/No Encroachment	1
N/A - Culvert	1

Spatial		
Description of multiplier	Category	Strategic multiplier
Low potential/action not identified in any plan	Low Strategic Significance	1
Delivery within Local Plan	High strategic significance	1.15
Delivery within River Basin Management Plan	High strategic significance	1.15
Delivery within Catchment Plan	High strategic significance	1.15
Delivery within Catchment Planning System	High strategic significance	1.15
Delivery within Priority Habitats for Restoration	High strategic significance	1.15

Spatial		
Description of multiplier	Category	Strategic multiplier
Formally identified in local strategy	High strategic significance	1.15
Location ecologically desirable but not in local strategy	Medium strategic significance	1.1
Avoid/compensation not in local strategy/ no local strategy	Low Strategic Significance	1

Spatial	
Description of multiplier	Strategic multiplier
This metric is being used by an off site provider	1
Within watershed catchment	1
Outside watershed catchment but within operational catchment	0.75
Outside operational catchment	0.5

Disturbance categories		
Disturbance Category	Disturbance Score	Required Action
V.High	8	Less Unacceptable
High	6	Avoid
Medium	4	Avoid, Mitigate or Compensate
Low	2	Mitigate or Compensate

Habitat Description	Condition						
	Good	Fairly Good	Moderate	Fairly Poor	Poor	Condition Assessment	N/A - Other
Cropland - Arable field margins cultivated annually	Not Possible	Not Possible	Not Possible	Not Possible	Not Possible	1	Not Possible
Cropland - Arable field margins game bird mix	Not Possible	Not Possible	Not Possible	Not Possible	Not Possible	1	Not Possible
Cropland - Arable field margins pollen and nectar	Not Possible	Not Possible	Not Possible	Not Possible	Not Possible	1	Not Possible
Cropland - Arable field margins tussocky	Not Possible	Not Possible	Not Possible	Not Possible	Not Possible	1	Not Possible
Cropland - Cereal crops	Not Possible	Not Possible	Not Possible	Not Possible	Not Possible	1	Not Possible
Cropland - Winter shrubline	Not Possible	Not Possible	Not Possible	Not Possible	Not Possible	1	Not Possible
Cropland - Horticulture	Not Possible	Not Possible	Not Possible	Not Possible	Not Possible	1	Not Possible
Cropland - Intensive orchards	Not Possible	Not Possible	Not Possible	Not Possible	Not Possible	1	Not Possible
Cropland - Non-cereal crops	Not Possible	Not Possible	Not Possible	Not Possible	Not Possible	1	Not Possible
Cropland - Temporary grass and clover leys	Not Possible	Not Possible	Not Possible	Not Possible	Not Possible	1	Not Possible
Cropland - Traditional orchards	3	2.5	2	1.5	1	Not Possible	Not Possible
Grassland - Bracken	Not Possible	Not Possible	Not Possible	Not Possible	Not Possible	1	Not Possible
Grassland - Floodplain wetland mosaic and CFOM	3	2.5	2	1.5	1	Not Possible	Not Possible
Grassland - Lowland calcareous grassland	3	2.5	2	1.5	1	Not Possible	Not Possible
Grassland - Lowland dry acid grassland	3	2.5	2	1.5	1	Not Possible	Not Possible
Grassland - Lowland meadows	3	2.5	2	1.5	1	Not Possible	Not Possible
Grassland - Modified grassland	3	2.5	2	1.5	1	Not Possible	Not Possible
Grassland - Other lowland acid grassland	3	2.5	2	1.5	1	Not Possible	Not Possible
Grassland - Other neutral grassland	3	2.5	2	1.5	1	Not Possible	Not Possible
Grassland - Tall herb communities (H8430)	3	2.5	2	1.5	1	Not Possible	Not Possible
Grassland - Upland acid grassland	3	2.5	2	1.5	1	Not Possible	Not Possible
Grassland - Upland calcareous grassland	3	2.5	2	1.5	1	Not Possible	Not Possible
Grassland - Upland hay meadows	3	2.5	2	1.5	1	Not Possible	Not Possible
Heathland and shrub - Blackthorn scrub	3	2.5	2	1.5	1	Not Possible	Not Possible
Heathland and shrub - Bramble scrub	Not Possible	Not Possible	Not Possible	1.5	Not Possible	1	Not Possible
Heathland and shrub - Close scrub	3	2.5	2	1.5	1	Not Possible	Not Possible
Heathland and shrub - Hawthorn scrub	3	2.5	2	1.5	1	Not Possible	Not Possible
Heathland and shrub - Hazel scrub	3	2.5	2	1.5	1	Not Possible	Not Possible
Heathland and shrub - Lowland heathland	3	2.5	2	1.5	1	Not Possible	Not Possible
Heathland and shrub - Mixed scrub	3	2.5	2	1.5	1	Not Possible	Not Possible
Heathland and shrub - Mountain heaths and willow scrub	3	2.5	2	1.5	1	Not Possible	Not Possible
Heathland and shrub - Rhododendron scrub	Not Possible	Not Possible	Not Possible	Not Possible	Not Possible	1	Not Possible
Heathland and shrub - Dunes with sea buckthorn (H2160)	3	2.5	2	1.5	1	Not Possible	Not Possible
Heathland and shrub - Other sea buckthorn scrub	Not Possible	Not Possible	Not Possible	Not Possible	Not Possible	1	Not Possible
Heathland and shrub - Willow scrub	3	2.5	2	1.5	1	Not Possible	Not Possible
Heathland and shrub - Upland heathland	3	2.5	2	1.5	1	Not Possible	Not Possible
Lakes - Aquifer fed naturally fluctuating water bodies	3	2.5	2	1.5	1	Not Possible	Not Possible
Lakes - High alkalinity lakes	3	2.5	2	1.5	1	Not Possible	Not Possible
Lakes - Low alkalinity lakes	3	2.5	2	1.5	1	Not Possible	Not Possible
Lakes - Marl lakes	3	2.5	2	1.5	1	Not Possible	Not Possible
Lakes - Moderate alkalinity lakes	3	2.5	2	1.5	1	Not Possible	Not Possible
Lakes - Peat lakes	3	2.5	2	1.5	1	Not Possible	Not Possible
Lakes - Ponds (priority habitat)	3	2.5	2	1.5	1	Not Possible	Not Possible
Lakes - Ponds (non-priority habitat)	3	2.5	2	1.5	1	Not Possible	Not Possible
Lakes - Reservoirs	3	2.5	2	1.5	1	Not Possible	Not Possible
Lakes - Temporary lakes ponds and pools (H3170)	3	2.5	2	1.5	1	Not Possible	Not Possible
Sparsely vegetated land - Calaminarian grasslands	3	2.5	2	1.5	1	Not Possible	Not Possible
Sparsely vegetated land - Coastal sand dunes	3	2.5	2	1.5	1	Not Possible	Not Possible
Sparsely vegetated land - Coastal vegetated shingle	3	2.5	2	1.5	1	Not Possible	Not Possible
Sparsely vegetated land - Ruderal/Ephemeral	3	2.5	2	1.5	1	Not Possible	Not Possible
Sparsely vegetated land - Tall forbs	3	2.5	2	1.5	1	Not Possible	Not Possible
Sparsely vegetated land - Inland rock outcrop and scree habitats	3	2.5	2	1.5	1	Not Possible	Not Possible
Sparsely vegetated land - Limestone pavement	3	2.5	2	1.5	1	Not Possible	Not Possible
Sparsely vegetated land - Maritime cliff and slopes	3	2.5	2	1.5	1	Not Possible	Not Possible
Sparsely vegetated land - Other inland rock and scree	3	2.5	2	1.5	1	Not Possible	Not Possible
Urban - Allotments	3	2.5	2	1.5	1	Not Possible	Not Possible
Lakes - Ornamental lake or pond	3	2.5	2	1.5	1	Not Possible	Not Possible
Urban - Artificial unvegetated, unsealed surface	Not Possible	Not Possible	Not Possible	Not Possible	Not Possible	Not Possible	0
Urban - Bioswale	3	2.5	2	1.5	1	Not Possible	Not Possible
Urban - Intensive green roof	3	2.5	2	1.5	1	Not Possible	Not Possible
Urban - Built linear features	Not Possible	Not Possible	Not Possible	Not Possible	Not Possible	Not Possible	0
Urban - Cemeteries and churchyards	3	2.5	2	1.5	1	Not Possible	Not Possible
Urban - Developed land, sealed surface	Not Possible	Not Possible	Not Possible	Not Possible	Not Possible	Not Possible	0
Urban - Other green roof	Not Possible	Not Possible	Not Possible	Not Possible	Not Possible	1	Not Possible
Urban - Facade-bound green wall	3	2.5	2	1.5	1	Not Possible	Not Possible
Urban - Ground based green wall	3	2.5	2	1.5	1	Not Possible	Not Possible
Urban - Ground level planters	Not Possible	Not Possible	Not Possible	Not Possible	Not Possible	1	Not Possible
Urban - Biodiverse green roof	3	2.5	2	1.5	1	Not Possible	Not Possible
Urban - Introduced shrub	Not Possible	Not Possible	Not Possible	Not Possible	Not Possible	1	Not Possible
Urban - Open mosaic habitats on previously developed land	3	2.5	2	1.5	1	Not Possible	Not Possible
Urban - Rain garden	3	2.5	2	1.5	1	Not Possible	Not Possible
Urban - Actively worked sand pit/quarry or open cast mine	Not Possible	Not Possible	Not Possible	Not Possible	Not Possible	1	Not Possible
Individual trees - Urban tree	3	2.5	2	1.5	1	Not Possible	Not Possible
Urban - Sustainable drainage system	3	2.5	2	1.5	1	Not Possible	Not Possible
Urban - Unvegetated garden	Not Possible	Not Possible	Not Possible	Not Possible	Not Possible	Not Possible	0
Urban - Vacant or derelict land	3	2.5	2	1.5	1	Not Possible	Not Possible
Urban - Bare ground	3	2.5	2	1.5	1	Not Possible	Not Possible
Urban - Vegetated garden	Not Possible	Not Possible	Not Possible	Not Possible	Not Possible	Not Possible	Not Possible
Wetland - Blanket bog	3	2.5	2	1.5	1	Not Possible	Not Possible
Wetland - Depressions on peat substrates (H7150)	3	2.5	2	1.5	1	Not Possible	Not Possible
Wetland - Fens (upland and lowland)	3	2.5	2	1.5	1	Not Possible	Not Possible
Wetland - Lowland raised bog	3	2.5	2	1.5	1	Not Possible	Not Possible
Wetland - Oceanic valley mire(1) (D2.1)	3	2.5	2	1.5	1	Not Possible	Not Possible
Wetland - Purple moor grass and rush pastures	3	2.5	2	1.5	1	Not Possible	Not Possible
Wetland - Reedbeds	3	2.5	2	1.5	1	Not Possible	Not Possible
Wetland - Transition mire and quaking bogs (H7140)	3	2.5	2	1.5	1	Not Possible	Not Possible
Woodland and forest - Felled	3	Not Possible	Not Possible	Not Possible	Not Possible	Not Possible	Not Possible
Woodland and forest - Lowland beech and yew woodland	3	2.5	2	1.5	1	Not Possible	Not Possible
Woodland and forest - Lowland mixed deciduous woodland	3	2.5	2	1.5	1	Not Possible	Not Possible
Woodland and forest - Native pine woodlands	3	2.5	2	1.5	1	Not Possible	Not Possible
Woodland and forest - Other coniferous woodland	3	2.5	2	1.5	1	Not Possible	Not Possible
Woodland and forest - Other Scot's pine woodland	3	2.5	2	1.5	1	Not Possible	Not Possible
Woodland and forest - Other woodland, broadleaved	3	2.5	2	1.5	1	Not Possible	Not Possible
Woodland and forest - Other woodland, mixed	3	2.5	2	1.5	1	Not Possible	Not Possible
Woodland and forest - Upland birchwoods	3	2.5	2	1.5	1	Not Possible	Not Possible
Woodland and forest - Upland mixed ashwoods	3	2.5	2	1.5	1	Not Possible	Not Possible
Woodland and forest - Upland oakwood	3	2.5	2	1.5	1	Not Possible	Not Possible
Woodland and forest - Wet woodland	3	2.5	2	1.5	1	Not Possible	Not Possible
Woodland and forest - Wood-pasture and parkland	3	2.5	2	1.5	1	Not Possible	Not Possible
Coastal lagoons - Coastal lagoons	3	2.5	2	1.5	1	Not Possible	Not Possible
Rocky shore - High energy littoral rock	3	2.5	2	1.5	1	Not Possible	Not Possible
Rocky shore - High energy littoral rock - on peat, clay or chalk	3	2.5	2	1.5	1	Not Possible	Not Possible
Rocky shore - Moderate energy littoral rock	3	2.5	2	1.5	1	Not Possible	Not Possible
Rocky shore - Moderate energy littoral rock - on peat, clay or chalk	3	2.5	2	1.5	1	Not Possible	Not Possible
Rocky shore - Low energy littoral rock	3	2.5	2	1.5	1	Not Possible	Not Possible
Rocky shore - Low energy littoral rock - on peat, clay or chalk	3	2.5	2	1.5	1	Not Possible	Not Possible
Rocky shore - Features of littoral rock	3	2.5	2	1.5	1	Not Possible	Not Possible
Rocky shore - Features of littoral rock - on peat, clay or chalk	3	2.5	2	1.5	1	Not Possible	Not Possible
Intertidal sediment - Littoral coarse sediment	3	2.5	2	1.5	1	Not Possible	Not Possible
Intertidal sediment - Littoral mud	3	2.5	2	1.5	1	Not Possible	Not Possible
Intertidal sediment - Littoral mixed sediments	3	2.5	2	1.5	1	Not Possible	Not Possible
Coastal saltmarsh - Saltpan/reef and saline reedbeds	3	2.5	2	1.5	1	Not Possible	Not Possible
Coastal saltmarsh - Artificial saltmarshes and saline reedbeds	3	2.5	2	1.5	1	Not Possible	Not Possible
Intertidal sediment - Littoral seagrass	3	2.5	2	1.5	1	Not Possible	Not Possible
Intertidal sediment - Littoral seagrass on peat, clay or chalk	3	2.5	2	1.5	1	Not Possible	Not Possible
Intertidal sediment - Littoral biogenic reefs - Mussels	3	2.5	2	1.5	1	Not Possible	Not Possible
Intertidal sediment - Littoral biogenic reefs - Sabellaria	3	2.5	2	1.5	1	Not Possible	Not Possible
Intertidal sediment - Features of littoral sediment	3	2.5	2	1.5	1	Not Possible	Not Possible
Intertidal sediment - Artificial littoral coarse sediment	3	2.5	2	1.5	1	Not Possible	Not Possible
Intertidal sediment - Artificial littoral mud	3	2.5	2	1.5	1	Not Possible	Not Possible
Intertidal sediment - Artificial littoral sand	3	2.5	2	1.5	1	Not Possible	Not Possible
Intertidal sediment - Artificial littoral muddy sand	3	2.5	2	1.5	1	Not Possible	Not Possible
Intertidal sediment - Artificial littoral mixed sediments	3	2.5	2	1.5	1	Not Possible	Not Possible
Intertidal sediment - Artificial littoral seaweeds	3	2.5	2	1.5	1	Not Possible	Not Possible
Intertidal sediment - Artificial littoral biogenic reefs	3	2.5	2	1.5	1	Not Possible	Not Possible
Intertidal sediment - Littoral sand	3	2.5	2	1.5	1	Not Possible	Not Possible
Intertidal sediment - Littoral muddy sand	3	2.5	2	1.5	1	Not Possible	Not Possible
Intertidal hard structures - Artificial hard structures	3	2.5	2	1.5	1	Not Possible	Not Possible
Intertidal hard structures - Artificial features of hard structures	3	2.5	2	1.5	1	Not Possible	Not Possible
Intertidal hard structures - Artificial hard structures with integrated greening of grey infrastructure (IGG)	3	2.5	2	1.5	1	Not Possible	Not Possible
Watercourse footprint - Watercourse footprint	Not Possible	Not Possible	Not Possible	Not Possible	Not Possible	Not Possible	0
Individual trees - Rural tree	3	2.5	2	1.5	1	Not Possible	Not Possible

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⚠ This tool is intended to be used for historic data. Any suggested translation between a phase I habitat and metric habitat should not be considered a rule - there may be circumstances where a more appropriate metric habitat may be chosen when ecological expertise is applied.

[illegible]