



SUNNICA ENERGY FARM

EN010106

Environmental Statement

Volume 6

6.7 Biodiversity Net Gain Assessment

APFP Regulation 5(2)(a)

Planning Act 2008

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



Planning Act 2008

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

Sunnica Energy Farm

**Environmental Statement
6.7 Biodiversity Net Gain Assessment**

Regulation Reference:	Regulation 5(2)(a)
Planning Inspectorate Scheme Reference	EN010106
Application Document Reference	EN010106/APP/6.7
Author	Sunnica Energy Farm Project Team

Version	Date	Status of Version
Rev 00	19 November 2021	Application Version
Rev 01	01 September 2022	Update to river metric 3.1
Rev 02	11 January 2023	Updated to new Order Limits
Rev 03	30 January 2023	Annex D inserted
Rev 04	01 March 2023	Updated to address stakeholder comments
<u>Rev 05</u>	<u>24 March 2023</u>	<u>Updated to address stakeholder comments</u>

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1 Introduction

- 1.1.1 AECOM Ltd was commissioned by Sunnica Limited to undertake a Biodiversity Net Gain (BNG) assessment for Sunnica Energy Farm (hereafter referred to as the Scheme). This report has been prepared as part of the Development Consent Order (DCO) Application for the Scheme.
- 1.1.2 This BNG assessment has been undertaken using Defra's Biodiversity Metric 3.1 (Ref 1 and Ref 2) to quantify the overall effect of the Scheme on biodiversity and to be a factor in informing habitat design as part of the Scheme. The report sets out the results of the BNG assessment that have been updated following discussions with stakeholders. It also accounts for changes made to the Scheme, including the proposed changes submitted at Deadline 5 of the Examination. Relevant legislation and policy, pertinent to BNG are presented in Section 2, the method for the assessment is outlined in Section 3, the results in Section 4, and the conclusions are provided in Section 5.

1.2 Supporting Documents


- 1.2.1 The following documents have been used to inform the BNG assessment, reported in this document:
- a. **Chapter 8: Ecology and Nature Conservation** of the Environmental Statement [EN010106/APP/6.1];
 - b. **Appendix 10I Outline Landscape and Ecology Management Plan (OLEMP)** of the Environmental Statement [EN010106/APP/6.2];
 - c. **Works Plans** [EN010106/APP/2.2]
 - d. **Figure 3-1: Sunnica East Site A and B Parameter Plan** and **Figure 3-2: Sunnica West A and B Parameter Plan** of the Environmental Statement [EN010106/APP/6.3];
 - e. **Appendix 8B: Preliminary Ecological Appraisal report** of the Environmental Statement [EN010106/APP/6.2];
 - f. **Appendix 8C: Terrestrial habitats and flora report** of the Environmental Statement [EN010106/APP/6.2]; and
 - g. **Appendix 8E: Aquatic Ecology report** of the Environmental Statement [EN010106/APP/6.2].

1.3 The Scheme

- 1.3.1 The Scheme is a new solar energy farm proposal that will deliver electricity to the national electricity transmission network. Sunnica Limited is proposing to install ground mounted solar photovoltaic (PV) panel arrays to generate electrical energy from the sun and combine these with a Battery Energy Storage System (BESS) which will connect to Burwell National Grid Substation in Cambridgeshire.
- 1.3.2 Electricity will be generated at Sunnica East Site A, near Isleham in Cambridgeshire; Sunnica East Site B, near Worlington and Freckenham in Suffolk; and Sunnica West Site A near Chippenham and Kennett in

Cambridgeshire. All locations will comprise ground mounted solar PV panel arrays, supporting electrical infrastructure and a BESS.

- 1.3.3 Supporting electrical infrastructure will include on-site substations on Sunnica East Site A and Sunnica East Site B and Sunnica West Site A, and on-site cabling between the different electrical elements across the Scheme. The generating equipment of the Scheme will be fenced and protected via security measures such as Closed-Circuit Television. Inside the fenced areas, in addition to the generating equipment will be, internal access tracks, and drainage. It is not proposed for any area to be continuously lit.
- 1.3.4 Visual, ecological, and archaeological mitigation is proposed which includes proposed grassland planting and new woodland; retention of existing woodland, wetlands, and other vegetation; provision of replacement habitat; and offsetting areas, where there will be no development. The BESS' will consist of a compound and battery array to allow for the importation, storage, and exportation of energy to the National Grid. There will also be areas at Sunnica East Site A and Sunnica East Site B for office and storage facilities for use during the Scheme's operation.
- 1.3.5 The Scheme will be connected to the existing Burwell National Grid Substation, using cables buried underground, of 400 kilovolt (kV) capacity. The cables will run between Sunnica East Site A, Sunnica East Site B and Sunnica West Site A (Grid Connection Route A), and then from Sunnica West Site A onwards to the Burwell National Grid Substation (Grid Connection Route B).
- 1.3.6 The Scheme will have two main access points, one north of Elms Road at Sunnica East Site B and one south of La Hogue Road at Sunnica West Site A. The main access route to Sunnica West Site A will be via the Chippenham junction of the A11, to the north of junction 38 of the A14. Sunnica East Site B will be accessed via the A11 and B1085. A number of secondary access points are proposed to access the individual land parcels through construction, operation, and decommissioning phases.
- 1.3.7 The Scheme is defined as a Nationally Significant Infrastructure Project (NSIP) and will require a Development Consent Order (DCO) from the Secretary of State for Business, Energy, and Industrial Strategy (Secretary of State), due to its generating capacity exceeding 50 megawatts (MW).
- 1.3.8 The Scheme comprises the following key areas:
 - a. solar farm sites:
 - i. East Site A;
 - ii. East Site B; and
 - iii. West Site A
 - b. associated electrical infrastructure for connection to the national transmission system, and for the purposes of this BNG assessment, Grid Connection Routes A and B have each been split in to two sections which comprise:
 - i. Grid Connection Route A ('A1' — connecting East Site A with East Site B and then 'A2' connecting East Site B to West Site A); and

- ii. Grid Connection Route B ('B1'  connecting West Site A to the existing Burwell National Grid Substation.

1.3.9 **Figure 1** in Appendix A shows the locations of these key areas.

1.4 Site description

- 1.4.1 The area of the Order limits area is 1,057.57 ha and the land use dominated by arable fields. There are mature trees and hedges, small, wooded copses, ponds, rivers and ditches present within the Site. The surrounding habitat is also mainly arable with small areas of mature broadleaved woodland (plantation, semi-natural). There are individual and clusters of residential properties located within and adjacent to the Order Limits
- 1.4.2 Several Water Framework Directive (WFD) waterbodies are present within the Order limits area including the Kennett-Lee Brook, Lee Brook, River Snail (Soham Lode), New River and Burwell Lode. Intrusive works are to be undertaken on four ditches within the Order limits, including tributaries of the River Snail, River Lark and in the New River catchment.

2 Relevant Legislation and Policy for BNG

- 2.1.1 It is government policy that planning decisions should minimise impacts on and provide net gain for biodiversity (National Planning Policy Framework 2021). In addition, the Environment Act 2021 includes provisions to make biodiversity net gain (BNG) a mandatory requirement within the town and country planning system in England.
- 2.1.2 As a Nationally Significant Infrastructure Project (NSIP), the Scheme will require consent via a Development Consent Order (DCO) which is not currently subject to any mandatory biodiversity net gain requirements. It is however anticipated that secondary legislation mandating the need for NSIP's to provide a minimum of 10% net gain in biodiversity through development will become mandatory in the mid-2020s.
- 2.1.3 It is government policy that planning decisions should minimise impacts on and provide net gains for biodiversity (National Planning Policy Framework (NPPF) 2021) (Ref 3).
- 2.1.4 Paragraph 174, where specific to BNG, of the NPPF states that: *“planning policies and decisions should contribute to and enhance the natural and local environment by: protecting and enhancing valued landscapes, sites of biodiversity or geological value and soils (in a manner commensurate with their statutory status or identified quality in the development plan.... Minimising impacts on and providing net gains for biodiversity, including by establishing coherent ecological networks that are more resilient to current and future pressures”*.
- 2.1.5 Section 4.5 of the draft Overarching National Policy Statement for Energy (EN-1) states: *“Although achieving biodiversity net gain is not an obligation for projects under the Planning Act 2008, energy NSIP proposals should seek opportunities to contribute to and enhance the natural environment by providing net gains for biodiversity where possible”*.
- 2.1.6 Relevant policies and summary sections on BNG, taken from local policy documents, are presented in **Table 2-1**.

Table 2-1: Relevant BNG sections within local policies

Relevant Document	Relevant policies on BNG	Policy Summary on BNG
East Cambridgeshire District Council Local Plan Adopted April 2015 (Ref 4)	Policy ENV7: Biodiversity and Geology	<p><i>All development proposals will be required to:</i></p> <ul style="list-style-type: none"> <i>Protect the biodiversity and geological value of land and buildings and minimise harm to or loss of environmental features, such as trees, hedgerows, woodland, wetland and ponds.</i> <i>Provide appropriate mitigation measures, reinstatement or replacement of features and/ or compensatory work that will enhance or recreate habitats on or off site where harm to environmental features and habitat is unavoidable; and</i>

Relevant Document	Relevant policies on BNG	Policy Summary on BNG
		<ul style="list-style-type: none"> • <i>Maximise opportunities for creation, restoration, enhancement and connection of natural habitats as an integral part of development proposals.</i>
<p>East Cambridgeshire District Council Supplementary Planning Document Natural Environment September 2020 (Ref 5)</p>	<p>Policy SPD.NE6 Biodiversity Net Gain</p>	<p><i>In addition to the provisions set out in the Local Plan, all development proposals should contribute to and enhance the natural and local environment by firstly avoiding impacts where possible, where avoidance isn't possible minimising impacts on biodiversity and providing measurable net gains for biodiversity. If and when a nationally mandated mechanism to secure 'net gains' is introduced, then the following policy will not be implemented. In the absence of any nationally mandated mechanism to secure such 'net gains', the following policy applies: All development proposals (except householder applications – see below) must provide clear and robust evidence setting out: (a) information about the steps taken, or to be taken, to avoid and minimise the adverse effect of the development on the biodiversity of the onsite habitat and any other habitat, (b) the pre-development biodiversity value of the onsite habitat based on an up to date survey and ideally using the Defra metric, (c) the post-development biodiversity value of the onsite habitat ideally using the Defra metric; and (d) the ongoing management strategy for any proposals. Proposals which do not demonstrate that the post-development biodiversity value of the onsite habitat will not significantly exceed the pre-development biodiversity value of the onsite habitat will be refused.</i></p>
<p>East Cambridgeshire District Council: Biodiversity Net Gain: East Cambridgeshire November 2022 (Ref 6)</p>	<p>In late 2022 East Cambridgeshire District Council (ECDC) published "Biodiversity Net Gain: East Cambridgeshire". The document provides interim guidance on the application of BNG prior to it becoming mandatory.</p> <p>The guidance builds upon Net Gain policies set out in ECDC's 2020 Natural Environment SPD. The guidance sets out the approach ECDC expects developers to take to delivering BNG locally and establishes when the delivery of 10% BNG is expected and instances when developments will be exempt.</p>	

Relevant Document	Relevant policies on BNG	Policy Summary on BNG
<p>East Cambridgeshire District Council Supplementary Planning Documents Renewable Energy Development (Commercial Scale) October 2014 (Ref 7)</p>	<p>Section 5: Biodiversity and geology</p>	<p><i>Biodiversity enhancement: Applicants for renewable energy development will be expected to provide robust evidence as part of their planning application to demonstrate that the proposal will result in a net biodiversity gain as outlined in the National Planning Policy Framework. Opportunities to create or improve existing biodiversity should form part of renewable energy proposals. Biodiversity enhancement can include habitat restoration, improved links between sites and the inclusion of new environmental features within the development. For example, there is the potential to create new grasslands and hedgerows on the area around solar panels. Where environmental features are removed appropriate compensation measures will be required by the District Council. Applicants should have regard to the best practice guidance for renewable energy developments and biodiversity enhancement measures which has been produced by Natural England, the RSPB and the Solar Trade Association.</i></p>
<p>Forest Heath District Council Core Strategy Adopted 2010 (Ref 8)</p>	<p>Policy CS2: Natural Environment</p>	<p><i>Areas of landscape, biodiversity and geodiversity interest and local distinctiveness within the District will be protected from harm and their restoration, enhancement and expansion will be encouraged and sought through a variety of measures.</i></p>
<p>Forest Heath and St Edmundsbury Local Plan: Joint Development Management Policies Document (last updated February 2015) (Ref 9)</p>	<p>Policy DM12: Mitigation, Enhancement, Management and Monitoring of Biodiversity</p>	<p><i>In addition to, or as part of the requirements of other policies in this Development Policy Document measures should be included, as necessary and where appropriate, in the design for all developments for the protection of biodiversity and the mitigation of any adverse impacts. Additionally, enhancement for biodiversity should be included in all proposals, commensurate with the scale of the development. For example, such enhancement could include watercourse improvements to benefit biodiversity and improve water quality, habitat creation, wildlife links (including as part of green or blue infrastructure) and building design which creates wildlife habitat (e.g., green roofs, bird and/or bat boxes).</i></p>
<p>Fordham Neighbourhood Plan (made December 2018) (Ref 10)</p>	<p>Policy 8: Wildlife and Habitats</p>	<p><i>Development proposals should, wherever possible, seek to enhance connectivity of green networks through the inclusion of strong landscaping schemes that include trees, shrubs, hedgerows, green roofs and green walls, for example.</i></p> <p><i>Wherever possible, development proposals should avoid the loss of wildlife habitats or natural features such as trees, hedgerows, watercourses or ponds. Where the loss of a feature is unavoidable, mitigation may be acceptable through the introduction of new features that will result in at least a neutral impact on the wildlife.</i></p> <p><i>Overall, a net gain in biodiversity should be achieved, demonstrated by appropriate evidence prepared by a suitably qualified person on behalf of the applicant.</i></p>

3 Methods

3.1.1 This report has been produced in accordance with the methods set out in the following guidance documents:

- a. Biodiversity Metric 3.1 User Guide (Ref 1); and
- b. Biodiversity Metric 3.1 – Technical Supplement (Ref 2).

3.1.2 Calculations for BNG within the following sections were made using the 'Biodiversity Metric 3.1 – Calculation Tool'.

3.2 Biodiversity Metric 3.1

3.2.1 A BNG assessment involves making a comparison between the biodiversity value of habitats present within the Order Limits prior to development (*i.e.*, the 'baseline') and the predicted biodiversity value of habitats following the completion of the development (*i.e.*, 'post-development'). The comparison is made in terms of 'biodiversity units', with a 'biodiversity metric' providing the mechanism to allow biodiversity values to be calculated and compared.

3.2.2 Biodiversity Metric 3.1 calculates the overall loss or gain of biodiversity of development projects by assessing the distinctiveness (*i.e.*, type of habitat and its value), condition, extent, and strategic significance of habitats on site pre- and post-development. To achieve biodiversity net gain, the biodiversity unit score must have a post-development score higher than the baseline score. When calculating the post-development biodiversity units, the metric includes a series of standard risk multipliers to account for the inherent risk of creating and restoring habitats, the time taken to establish habitats and the location of the mitigation in relation to the habitats lost on site. The risk multipliers have the effect of reducing the value of the proposed habitats, which means larger areas, habitats of higher distinctiveness, and/or condition are required to achieve net gain.

3.2.3 The metric assesses and generates separate outputs for area-based habitats (measured in habitat units) and linear based habitats, including hedgerows (measured in hedgerow units) and rivers (measured in river units).

3.2.4 The information required to undertake the calculation is described below.

3.3 Baseline Data

3.3.1 All baseline and post-development habitats within the Order Limits have been included within the calculation to provide the baseline and post-development biodiversity values.

3.3.2 Phase 1 habitat data collected in November 2018 and updated throughout 2019, 2020 and 2022 (hereafter referred to as the 'baseline') have been utilised to determine the extent of baseline area-based and linear habitats. All baseline habitats defined within the Order limits were assigned a condition, using criteria outlined in the Biodiversity Metric 3.1 – Technical Supplement (Ref 2).

3.3.3 The Baseline Phase 1 Habitat Map (Appendix A) was digitised in Geographic Information System (GIS) to provide area and length measurements of each

habitat type. The habitats recorded during the Phase 1 habitat survey (see **Appendix 8B: Preliminary Ecological Appraisal report** of the Environmental Statement [EN010106/APP/6.2] and **Chapter 8: Ecology and Nature Conservation** of the Environmental Statement [EN010106/APP/6.1]) were converted into UK Habitat Classification (UKHab) categories, for the purposes of the BNG Assessment. These data were then combined and entered into the metric to calculate the baseline biodiversity units.

3.4 River Habitats

- 3.4.1 Habitat categories, associated distinctiveness, and condition scores are approached differently for watercourses. In line with current guidance (Ref 1), a desk study was undertaken to identify all watercourse habitats present within the Order Limits using the 'Discovering Priority Habitat in England' river data map (Ref 11). If the riparian zone is within the Order Limits boundary, the watercourse is assessed in Metric 3.1. Following this, watercourse habitats were assigned a habitat category (according to the criteria: Priority Habitat, Other Rivers and Streams, Ditches, Canals, Culvert) and distinctiveness using Section 41 of the NERC Act's Priority Habitat descriptions (Ref 12).
- 3.4.2 All aquatic habitats to be directly impacted by the Scheme, i.e., through intrusive crossing along the cable corridor or culverting, in this instance were considered to be ditches. Ditches are assessed separately to rivers and streams and are defined for Biodiversity Metric 3.1 as *"artificially-created, linear water-conveyancing features that are less than 5m wide and are likely to hold water for more than four months of the year. Their hydraulic function is primarily for land drainage and although partially or fully connected to a river system, they would not have been present without human intervention"* (Ref 2).
- 3.4.3 Any watercourses that have been scoped into the assessment as ditches under this definition are therefore subjected to a Ditch Condition Assessment, which involves conducting a survey in the field that uses eight criteria to assess condition, which was undertaken. These criteria include water quality and levels, macrophyte abundance and morphotype diversity, presence of marginal vegetation, physical damage, shading and presence of invasive non-native species. The greater the number of criteria the ditch achieves, the better the condition score attributed to it.
- 3.4.4 Several watercourses within the Order limits that are not being impacted by the Scheme, were scoped in as potential areas of enhancement. These were surveyed in August 2022 and include both river and ditch habitats.
- 3.4.5 To assess condition of rivers and streams, Modular River Physical (MoRPh) surveys were undertaken in line with Natural England Guidance. The survey utilises the MoRPh5 survey methodology (Ref 2), to record the physical and vegetation structural features across the river-bed, bank face and riparian zone (up to 10 m from the bank top). Using an online tool, the results of the field survey are combined with a desk-based assessment of the indicative geomorphic type of the river to generate a watercourse condition.
- 3.4.6 Habitat classification, length measurement values, strategic significance, condition data and watercourse and riparian encroachment information were then

inputted to the metric to determine the baseline biodiversity units for river habitats within the Order Limits boundary.

3.5 Post-development Data

- 3.5.1 The proposed landscape and habitat planting for the Scheme (shown in **Figure 3-1: Sunnica East Site A and B Parameter Plan** and **Figure 3-2: Sunnica West A and B Parameter Plan** of the Environmental Statement [EN010106/APP/6.3] and in the Outline Landscape Environmental Management Plan (OLEMP) were digitised in GIS to create the post-development habitat data, which were used to provide the measurements of the habitats to be retained and created within the Scheme.
- 3.5.2 The post-development habitat data were utilised to determine the post-development biodiversity units. Target conditions have been selected in accordance with the Natural England Biodiversity Metric 3.1 User Guide and Technical Supplement.
- 3.5.3 On receipt of the DCO, long-term ecological management and maintenance for the Order limits will be implemented through detailed Landscape and Ecological Management Plans (LEMP) in accordance with the OLEMP. Therefore, target condition scores for the proposed habitats have been predicted in accordance with Biodiversity Metric 3.1 User Guide and Technical Supplement (Ref 2) and using professional judgement to ensure the condition scores selected were realistic and achievable.

3.6 Strategic Significance

- 3.6.1 Metric 3.1 requires that the strategic significance of all baseline and post-development habitats be defined. Strategic significance refers to areas of local priority for biodiversity and nature improvement, identified within local planning policies. As part of this assessment, the relevant local planning policy documents (see Table 2-1) were reviewed to determine the strategic significance of the habitats on Site. In this instance the application of strategic significance has been guided by the habitats presence within the East Cambridgeshire Nature Recovery Network (ECNRN). Table 2-2 sets out the habitats present within and outside the East Cambridgeshire Nature Recovery Network and the rationale for assigning Strategic Significance values.

2-2 Strategic Significance (ECNRN = East Cambridgeshire Nature Recovery Network)

Habitats	Within NRN	Rationale	Outside NRN	Rationale
Lowland mixed deciduous woodland	High	Contributes to ECNRN	Medium	Mapped as priority habitat but not mapped in local strategy
Lowland calcareous grassland	None Present	NA	Medium	Mapped as priority habitat but not mapped in local strategy

Habitats	Within NRN	Rationale	Outside NRN	Rationale
Lowland dry acid grassland	None Present	NA	Medium	Mapped as priority habitat but not mapped in local strategy
Mixed scrub	High	Contributes to ECNRN	Low	Not in local strategy/ no local strategy
Other coniferous woodland	High	Contributes to ECNRN	Low	Not in local strategy/ no local strategy
Other lowland acid grassland	High	Contributes to ECNRN	Low	Not in local strategy/ no local strategy
Other neutral grassland	High	Contributes to ECNRN	Low	Not in local strategy/ no local strategy
Other woodland; broadleaved	High	Contributes to ECNRN	Low	Not in local strategy/ no local strategy
Other woodland; mixed	High	Contributes to ECNRN	Low	Not in local strategy/ no local strategy
Ponds (Priority Habitat)	None Present	NA	Medium	Mapped as priority habitat but not mapped in local strategy
Cereal crops	Low	Does not contribute to the ECNRN	Low	Not in local strategy/ no local strategy
Developed land; sealed surface	Low	Does not contribute to the ECNRN	Low	Not in local strategy/ no local strategy
Modified grassland	Low	Does not contribute to the ECNRN	Low	Not in local strategy/ no local strategy
Ruderal/Ephemeral	Low	Does not contribute to the ECNRN	Low	Not in local strategy/ no local strategy
Vacant/derelict land/ bare ground	Low	Does not contribute to the ECNRN	Low	Not in local strategy/ no local strategy

3.7 Assumptions and limitations

- 3.7.1 All habitat areas and lengths have been measured manually using ArcGIS based on the Phase 1 Habitat Plan (shown in Figure 8-3 of Chapter 8 of the Environmental Statement [EN010106/APP/6.1]) and the proposed landscape and habitat planting for the Scheme shown in **Figures 3-1** and **3-2** of the Environmental Statement [EN010106/APP/6.3] and the OLEMP. Habitat areas are therefore considered to be approximations only.
- 3.7.2 The total areas of the baseline and post-development plans may vary slightly within the metric calculation. This difference is caused by the rounding of areas of individual habitats within the dataset to two decimal places and the merging of third-party spatial datasets. This has a negligible impact on the BNG Assessment as a whole.
- 3.7.3 It is acknowledged that future changes to the metric will occur during the pre-construction iteration of the BNG calculation. These changes may include elements such as refining advanced or delayed habitat creation timings and the accounting for the creation of potential sustainable drainage features.
- 3.7.4 It is understood that habitats created and enhanced as part of the Scheme will be subject to appropriate ongoing management and monitored to enable correct establishment and growth, and that remedial action will be taken if this does not proceed as expected, otherwise the target conditions used in the calculations may not be met. The OLEMP will be the mechanism for delivering this monitoring and management.

The treatment of under panel grassland

- 3.7.5 Guidance published by BRE (Ref 13) recognises that on average 95% of a site used for solar farm development is “still accessible for plant growth and potentially for wildlife enhancements and complementary agricultural activities such as conservation grazing”. As such 95% of the solar array footprint has been categorised as ‘modified grassland’ in ‘Moderate’ condition with the remaining 5% allocated within the metric as ‘developed land – sealed surface’ to consider array infrastructure.
- 3.7.6 Seed mixes specified for these areas within any long-term management and monitoring plan should favour nectar and pollen rich species that are both stress and shade tolerant. This approach is supported by RSPB (Ref 14) which states “biodiversity gains are possible where intensively cultivated arable or grassland is converted to extensive grassland and/or wildflower meadows between and/or beneath solar panels and in field margins”.
- 3.7.7 Areas of modified grassland under panels have been assigned a post-development target condition of ‘moderate’ to acknowledge both the prolonged levels of shading these areas will receive over the lifetime of the Scheme and the seed mixes and management prescriptions as specified in the OLEMP.

The approach to woodland loss

3.7.8 This assessment considered all habitat losses, including those during construction from the temporary location of compounds, access routes and other activities associated with the Scheme. It is recognised that the Arboricultural Impact Assessment (AIA) [EN010106/APP/8.46] identifies, that in a worse-case scenario, 15,650m² of tree canopy cover will potentially be lost to facilitate construction of the Scheme, e.g., to widen existing access points and internal roads. However, at Gate 5 the position presented in the Ecological Impact Assessment and version 003 of the BNG report, considered that there was sufficient flexibility in the Works Plans to avoid woodland loss at the detailed design stage and that the level of impact will not be realised.

3.7.9 However, at Gate 7 woodland loss has been incorporated into the BNG calculations.

The approach to Stone Curlew mitigation

3.7.10 Provisional locations of 10 Stone Curlew Mitigation plots have been proposed within ECO1 (3 plots), ECO2 (3 plots) and ECO3 (4 plots). These areas will be 'micro-sited' within these areas in response to each plots, archaeological features. Within the metric calculation it has therefore been assumed that 20ha of ephemeral habitats are present across these three field units.

3.7.11 To ensure transparency between the mitigation provided for Stone Curlew and the additionality of wider habitat enhancements intended to ensure the delivery of BNG the scheme has sought to ensure that at least 10% of the BNG delivered is delivered through habitat retention, enhancement or creation activities that is not required to mitigate or compensate for protected species impacts. Defra, when summarising their feedback on the recent BNG consultation, have provided the following example (Ref 15):

"If a development has a baseline score of 10 biodiversity units and needs to achieve a score of 11 units, at least 1 unit should come from separate, non-species mitigation, activities".

3.7.12 Therefore, as Sunnica has a baseline score of 299~~87.92~~ biodiversity units it would need to achieve a unit value of 329~~87.74~~ units to deliver a 10% net gain of which at least ~~300~~~~299.79~~ units would need to be delivered by non-mitigation related habitat enhancement, mitigation or creation to demonstrate the required approach to additionality.

The approach to temporary impacts

3.7.13 Where temporary access points or visibility splays are proposed, hedgerows have been assumed to be temporarily lost and subsequently reinstated.

3.7.14 Where permanent access points or visibility splays are proposed, permanent hedgerow loss has been assumed.

The approach to created grassland types

3.7.15 The post-development plan assumes the creation and retention of grassland of varying condition and type. This variation is a reflection of the varying soil types

across the 1,057 ha site. Where grassland is proposed to be created over soils with a calcareous influence 'Poor' condition 'Lowland calcareous grassland' has been selected as a target habitat for creation. Similarly, where underlying soils display an acid influence 'Moderate' condition 'Other lowland acid grassland' is the target habitat for creation. This variation in condition has been included in the metric to take into account the lack of an 'other calcareous grassland' option within the metric.

The approach to Arable Flora

- 3.7.16 The BNG technical note (Ref 2) states: "Where field margins meet the definition of a 'better' or higher distinctiveness habitat they should be mapped as such within the metric".
- 3.7.17 As such in the baseline and post development calculations all high value arable margins have been captured within their associated grassland habitat categories.
- 3.7.18 Of those areas of cropland identified as supporting arable flora ranging from 'Site' to 'County' importance the metric calculation assumes that 5% of each cropland compartment comprises an arable flora element. The calculation therefore assumes a total of 4.16 ha of arable flora within the ECNRN and 13.98 ha outside the ECNRN. For the purposes of the metric calculation these areas are presumed to be lost and recreated as a grassland type of equal or higher distinctiveness and condition value. The environmental masterplan also illustrates a further -1.13 ha of indicative arable margin. As these are mapped indicatively these have been captured as the created lower distinctiveness "Cropland - Arable field margins game bird mix" with its associated condition score of 1 (Condition Assessment N/A).

Assumptions relating to river and stream habitats

- 3.7.19 The Scheme will only result in those impacts to the watercourses as described in this report within the post-development section below.
- 3.7.20 There are some watercourses and ditches within the Order limits that are not included within this BNG assessment as there will be no impacts to these watercourses or their riparian zones (10 m) from the bank-top either side, or ditches. However, these are assessed in the WFD assessment presented in Appendix 9B of this Environmental Statement [EN010106/APP/6.2].
- 3.7.21 The MoRPh and ditch condition assessment surveys assess watercourse condition based on physical and morphological features, not biological elements of watercourse condition. These are assessed in Appendix 8E of this Environmental Statement [EN010106/APP/6.2].
- 3.7.22 Some ditches were scoped out of the river metric based on the assessment that they likely do not hold water for four months of the year (Ref 2), and therefore they are assessed as part of the adjacent terrestrial area-based habitats or associated features.
- 3.7.23 Enhancements to the impacted wet ditches will consist of soft engineering techniques and improvements to the riparian corridor to improve channel diversity

and biodiversity. These measures will be defined at detailed design stage, following grant of the DCO and prior to construction.

- 3.7.24 Reinstatement of watercourses and ditches after intrusive works (culverting or open trenching) will aim to provide an improved channel form with enhancement works to be carried out (where relevant and appropriate to do so) up to 10 m upstream and downstream of the open trench or culvert. The River Metric assessment assumes (“a best-case scenario”) that 10 m upstream and 10 m downstream of the works will be enhanced.
- 3.7.25 Lee Brook (WFD water body ID: GB105033042970), which runs alongside the Order limits boundary at West Site A, was identified as an area of potential enhancement. However, at the time of survey, the watercourse was dry with terrestrial vegetation growing in the channel following a long period of extreme dry weather in summer 2022. As a result, a MoRPh survey could not be completed, and Lee Brook was scoped out of the river metric.
- 3.7.26 MoRPh and ditch condition assessment surveys for areas of potential enhancement were undertaken in August 2022 during a period of extreme dry weather in the United Kingdom, resulting in very low flows. Therefore, suggested enhancement measures are tailored to the prevailing habitat conditions, which are likely to become more normal as such extreme weather events increase in frequency. Therefore, this is not considered to have had an adverse effect on the watercourse condition generated, or the enhancement measures recommended as a result.

4 Results

4.1 On-site baseline habitats

- 4.1.1 The Order limits covers an area of 1,057.57 ha and the land use is dominated by arable fields. There are mature trees, small, wooded copses, and ponds. In addition, there are approximately 30.82 km of hedgerows and 2.47 km of river and ditch habitats within the Order Limits.

Area-based habitats

- 4.1.2 A description of the area-based habitats present within the Order limits is provided below. The habitats listed in the following sections are presented in their UKHab classification.

Woodland and forest – other woodland; broadleaved

- 4.1.3 Small areas of newly planted broad-leaved woodland are present in the Sunnica East sites A and B and mostly consisted of Field Maple *Acer campestre*, Cherry *Prunus avium* and Ash *Fraxinus excelsior*. Many of the plantation woodlands found scattered along the Grid Connection Routes consisted of mixed broad-leaved and coniferous species.

Woodland and forest - other coniferous woodlands

- 4.1.4 This habitat was predominantly found within the Sunnica East Site B, with larger blocks present in the eastern section. These areas of woodland either solely consisted of or were dominated by Scots Pine *Pinus sylvestris*. In the western section of the Sunnica East Site, strips of mature Scots Pine formed field boundaries; planted as wind breaks and typical of the Breckland landscape. Dominant species of the ground flora in these areas were Chickweed *Stellaria media*, Common Nettle *Urtica dioica* and Dog's Mercury *Mercurialis perennis*. A few small areas of young conifer plantation woodland were present within the Sunnica West Sites and along the Grid Connection Routes, which either solely consisted of, or were dominated, by Scots Pine.

Woodland and forest – lowland mixed deciduous woodland

- 4.1.5 A number of mature semi-natural broad-leaved woodland blocks are present across the Sunnica West A and along the Grid Connection Routes. These woodland blocks typically included species such as Oak *Quercus robur*, Silver Birch *Betula pendula*, Field Maple, Beech *Fagus sylvatica*, Walnut *Juglans regia* and Ash with an understory of Privet *Ligustrum vulgare* and Hawthorn *Crataegus monogyna*.

- 4.1.6 A few areas of semi-natural broad-leaved woodland are present across the Sunnica East Sites A and B. These typically included species such as Beech and Ash with an understory of Snowberry *Symphoricarpos alba*, Privet and Hawthorn.

Heathland and shrub – mixed scrub

- 4.1.7 Pockets of dense and scattered scrub are throughout the Order Limits, consisting predominantly of Hawthorn and Blackthorn *Prunus spinosa*.

Woodland and forest – other woodland: mixed

- 4.1.8 Many of the woodlands found scattered across the Sunnica East Sites A and B consisted of mixed mature broad-leaved and coniferous specimens. Coniferous species were predominantly planted Scots Pine, but a wide variety of broad-leaved species were present, including Field Maple, Cherry, Buckthorn *Rhamnus cathartica*, Oak, Sycamore *Acer pseudoplatanus*, Beech and Ash. Many of the woodlands found scattered across the Sunnica West Site A consisted of mixed mature broad-leaved and coniferous specimens. Coniferous species were predominantly planted Scots Pine, but a wide variety of broad-leaved species were present, Field Maple, Cherry, Buckthorn, Oak, Sycamore, Beech and Ash.

Acid Grassland – lowland dry acid grassland

- 4.1.9 Approximately 6.41 ha of the site is categorised as U1 *Festuca ovina-Agrostis capillaris-Rumex acetosa* grassland or categorised as SD10 *Carex arenaria* dune community. All are examples of lowland dry acid grassland Priority Habitat.

Acid Grassland – other lowland acid grassland

- 4.1.10 Approximately 5.77 ha, two small areas within Sunnica East Site B, of the site is categorised as 'other lowland acid grassland'. These areas include a semi-improved grassland strip 10-20 m wide between a conifer woodland and arable

fields of light acidic sandy soil with some calcareous influence: and a small area of unmanaged grassland and ephemeral/short perennial vegetation outside a corner of a livestock field.

Grassland – lowland calcareous grassland

- 4.1.11 This habitat is found around an irrigation reservoir on the Sunnica East Site B and is surrounded by arable fields. It comprises tall unmanaged grassland and ruderal herbs with calcareous influences (from chalk exposed through creation of the reservoir). The flora has frequent to abundant Wild Marjoram *Origanum vulgare*, Lady's Bedstraw *Galium verum*, False-oat Grass *Arrhenatherum elatius*, Mugwort *Artemisia vulgaris*, Common Nettle and Bramble *Rubus fruticosus*, with rare to occasional Clustered Bellflower *Campanula glomerata*, Greater Knapweed *Centaurea scabiosa*, Dropwort *Filipendula vulgaris* and Small Scabious *Scabiosa columbaria*.

Grassland – other neutral grassland

- 4.1.12 Small areas of semi-improved neutral grassland, marshy grassland and semi-improved grassland are found across the Order Limits.

Grassland – modified grassland

- 4.1.13 A number of agricultural fields across the Order Limits consisted of Perennial Ryegrass *Lolium perenne* dominated improved grasslands. Isolated areas of semi-improved grassland are also present across Sunnica West A including clearings within mixed woodland in Sunnica West Site A, with dominant Cock's-foot *Dactylis glomerata*, False Oat-grass and Yorkshire-fog *Holcus lanatus*, along with Knapweed *Centaurea* sp. and frequent Tormentil *Potentilla erecta* and Agrimony *Agrimonia eupatoria*.

Sparsely Vegetated Land – ruderal / ephemeral

- 4.1.14 Small areas of tall ruderal and ephemeral habitat are present throughout the Order Limits and a number of the areas of hardstanding present across the Sunnica West Site A have ephemeral vegetation and bryophyte communities, including Silver Moss *Bryum argenteum*.

Cropland – cereal crops

- 4.1.15 The majority of the Order Limits consists of arable land with bordering grassland and hedgerows.

Ponds – Non-priority habitat

- 4.1.16 Several ponds located throughout the Order Limits, associated with woodland and scrub along arable boundaries.

Urban – vacant / derelict land / bare ground

- 4.1.17 Areas of bare ground can be found throughout the Order Limits, with larger areas of bare ground on the Sunnica East Sites A and B, with disturbed ground, which forms a pig farm on both sites.

Urban – developed land: sealed surface

- 4.1.18 Small areas of hardstanding are scattered throughout the Order Limits, consisting mainly of roads and access tracks. A small building is also present on Sunnica East Site B.

Linear-based habitats (hedgerows and trees)

- 4.1.19 A description of hedgerows and trees present within the Order Limits, summarised below. The habitats listed in the following sections are presented in their UKHab classification.

Line of trees

- 4.1.20 Individual trees are present across the Order Limits. Individual trees have been categorised in UK Habitats as ‘Line of Trees’.

Native hedgerow

- 4.1.21 Native species-poor hedgerows can be found at field boundaries across the Order Limits. These species-poor hedgerows have been categorised in UKHab as ‘Native Hedgerow’.

Native species-rich hedgerow with trees

- 4.1.22 One native species-rich hedgerow with trees includes Elm sp., Field Rose *Rosa arvensis*, Beech, Common Hawthorn, Wild Privet *Ligustrum vulgare* and Blackthorn.

Native hedgerow with trees

- 4.1.23 Native species-poor hedgerows with trees can be found at field boundaries across the Order Limits. These species-poor hedgerows have been categorised in UK Habitats as ‘Native Hedgerow with Trees’.

Linear-based habitats (rivers and ditches)

- 4.1.24 A total of 2.47 km of river/ditch habitats were scoped in and assessed within the baseline habitats, consisting of 0.03 km of culvert impacted by the Scheme and 1.03 km of ditch habitat and 1.41 km of Priority Habitat Stream.

- 4.1.25 The directly impacted habitats are comprised of:

- i. 393 m of a tributary ditch of the River Lark at TL 66870 74570 (between E01 and E02, as shown in **Figure 3-1** of the Environmental Statement [EN010106/APP/6.3]);
- ii. 96 m of a tributary ditch of the River Snail at TL 63328 69099 (W7); and
- iii. 66 m of a tributary ditch in the New River catchment at TL 60273 68642 (W13).

- 4.1.26 Habitats identified as areas of potential enhancement are comprised of:

- i. 1,414 m of the Kennett – Lee Brook (Lee Brook) between TL 66465 74887 and TL 66396 72945; and

- i. 500 m of a tributary ditch of the River Lark at TL 66431 74677 (referred to as Ditch 02 in **Appendix 8E** of the Environmental Statement [EN010106/APP/6.2]).

Impacted ditches

- 4.1.27 The tributary of the River Lark (E01-E02) is a linear drainage ditch bordered by pasture fields in The Fen. It held approximately 20 to 30 cm of clear water at the time of survey. A mixture of emergent, submerged, and floating macrophytes were present in the tributary and it was generally unshaded and dominated by silt substrate. No non-native plant species were recorded along the stretch surveyed. It is culverted for 11 m under a track between fields. This culverted section is automatically assigned 'Poor' condition within the metric. The tributary fits the definition of a ditch and is therefore not a Priority River habitat and is not mentioned in the Local Plan, River Basin Management Plan or Catchment Plans. It is therefore classed as 'Low potential/action not identified in any plan' within the metric, which equates to a low strategic significance. The ditch condition assessment showed that the remaining 382 m of ditch was in moderate condition within the Scheme boundary and is therefore included within the baseline habitats metric calculation as such.
- 4.1.28 The tributary of the River Snail (W7) is a ditch that drains from the Fordham Woods Nature Reserve, although in the stretch surveyed it was bordered by pasture fields. Access was limited to a small stretch of this tributary, however the water that was observed was clear, heavily shaded by trees and the bed was dominated by leaf litter and silt. No non-native plant species were recorded along the stretch surveyed. It was culverted for 6 m under a track between fields. This culverted section is automatically assigned 'Poor' condition within the metric. The tributary fits the definition of a ditch and is therefore not a Priority River habitat and is not mentioned in the Local Plan, River Basin Management Plan or Catchment Plans. It is therefore classed as 'Low potential/action not identified in any plan' within the metric, which equates to a low strategic significance. The ditch condition assessment on the remaining open section of the tributary showed that it was in poor condition. A total of 90 m of this ditch was present within the Scheme boundary. This is therefore included within the baseline habitats metric calculation.
- 4.1.29 The tributary of the New River (W13) runs parallel to the B1102 Ness Road and is bordered by pasture fields to the right. At the time of survey, it was mostly dry and unshaded, although some wetted areas were dominated by bulrush. It has steep banks, likely due to historic dredging and its bank tops had been recently cut back at the time of survey. No non-native plant species were recorded along the stretch surveyed. It is culverted for 8 m under a track. This culverted section is automatically assigned 'Poor' condition within the metric. The tributary fits the definition of a ditch and is therefore not a Priority River habitat and is not mentioned in the Local Plan, River Basin Management Plan or Catchment Plans. It is therefore classed as 'Low potential/action not identified in any plan' within the metric, which equates to a low strategic significance. The ditch condition assessment showed that the remaining open section of the tributary is in poor condition and a total of 58 m of this is present within the Order Limits and was therefore included within the baseline habitats metric calculation.

Watercourses and ditches identified for enhancement opportunities

- 4.1.30 The following watercourses were scoped in as potential enhancement opportunities with the aim of achieving a 10% net gain in the river metric.
- 4.1.31 The Kennett – Lee Brook (Lee Brook) (WFD water body ID: GB105033043020) flows north from Freckenham through Lee Farm until it joins the River Lark; 240 m of the river lies within the Order Limits, plus an additional 1,174 m² of its riparian zone. At the southern end of the reach near Beck Road, substrate consisted of a gravel and sand bed with areas of fine silt deposits. At the northern end of the reach there was no perceived flow and a layer of floating macrophytes covering the whole width of the river. Substrate here consisted of silt and leaf litter. The river is bordered by arable fields for most of its length and its riparian zone consists mainly of grassy banks and short reaches of trees. An area of marshy reedbed is present towards the northern end of the reach. The Kennett – Lee Brook (Lee Brook) is assigned as having major watercourse encroachment, due to the presence of a weir directly upstream of the bridge at Beck Road. Based on the MoRPh survey, the river is considered to be in “Moderate” condition. The section of the Kennett – Lee Brook (Lee Brook) within the Order Limits is a Priority River habitat and is mentioned within the Chalk Stream Restoration Strategy (Ref 16). The Kennett – Lee Brook (Lee Brook) has been recorded in the metric as “Within River Basin Management Plans” and is therefore classed as being of high strategic significance.
- 4.1.32 The tributary to the River Lark (Ditch 02) runs parallel to the Kennett – Lee Brook (Lee Brook) and is bordered by arable fields and marshy grassland. At the time of survey, the water was clear, heavily shaded by bankside vegetation and the bed was dominated by leaf litter and silt. The ditch has steep banks, likely due to historic dredging, with un-managed bank tops. No non-native plant species were recorded in the reach surveyed. The tributary fits the definition of a ditch and is therefore not a Priority River habitat and is not mentioned in the Local Plan, River Basin Management Plan or Catchment Plans. It is therefore classed as ‘Low potential/action not identified in any plan’ within the metric, which equates to a low strategic significance.

4.2 Summary of BNG Results

- 4.2.1 The site totals 1057.57 ha and for ease of assessment has been subdivided into 50 individual field compartments.
- 4.2.2 Capturing the occupancy and extent of habitats within each field compartment has resulted in metric calculations with over ~~6700~~ individual data points.
- 4.2.3 Therefore, data is not reproduced within this report in full but within the following annotated BNG metric calculator excel files:
- Sunnica BNG Metric 1: All field parcels within the East Cambs Nature Recovery Network
 - Sunnica BNG Metric 2: All field parcels outside the East Cambs Nature Recovery Network

- Sunnica BNG Metric 3: Hedgerows and individual trees
- Sunnica BNG Metric 4: River Metric

4.2.4 A summary of the results is shown in **Tables 4-3 to 4-6**. Based on the current Post-Development Plan, the Scheme would result in an estimated net gain of 40.25% in habitats, a net gain of 28.09% in hedgerows, and a net gain of 11.37% rivers.

Table 4-3: Summary Habitat Area Changes

Habitats	Baseline Area	Area Retained	Area Enhanced	Area Created
Arable field margins game bird mix	na	na	na	1.13
Cereal crops	818.08 <u>799.94</u>	98.17	na	na
Developed land; sealed surface	12.46	11.80	na	77.45
Lowland calcareous grassland	0.91	0.91	na	93.77
Lowland dry acid grassland	6.41	6.41	na	na
Lowland mixed deciduous woodland	10.53	na	9.68	12.97
Mixed scrub	4.68	3.48	na	2.24
Modified grassland	53.92	15.22	na	444.95
Other coniferous woodland	5.76	5.71	na	na
Other lowland acid grassland	5.77	4.54	na	150.39
Other neutral grassland	45.50 <u>63.64</u>	15.07 <u>15.07</u>	na	20.91
Other woodland; broadleaved	3.40	3.26	na	31.53
Other woodland; mixed	16.13	16.06	na	na
Ponds (Priority habitat)	1.58	1.58	na	na
Purple moor grass and rush pastures	na	na	na	4.83
Ruderal/Ephemeral	4.14	0.63	na	20.00
Vacant/derelict land/ bare ground	68.28	4.88	na	na
Urban Trees*	0.77	0.77	na	1.25
Total	1,057.57	187.73	9.68	860.17

* Urban tree areas are excluded from total area to prevent double counting of area; however, the unit contributions are included within the habitat unit total.

Table 4-4: Summary Hedgerow Length Changes (km)

Habitats	Baseline Length	Length Retained	Length Enhanced	Length Created
Line of trees	5.15	4.91	na	na
Line of Trees - Associated with bank or ditch	0.04	0.04	na	na
Native hedgerow	21.41	20.07	na	0.38
Native Hedgerow - Associated with bank or ditch	1.08	0.98	na	0.09
Native Hedgerow with trees	2.60	2.56	na	0.03
Native Hedgerow with trees - Associated with bank or ditch	0.54	0.51	na	0.03
Native Species Rich Hedgerow	na	na	na	5.56
Total	30.82	29.08	0.00	6.09

Table 4-5: Summary River Length Changes (km)

Habitats	Baseline Length	Length Retained	Length Enhanced	Length Created
Culvert	0.03	0.03	0.00	0.01
Ditches	1.03	0.96	0.06	na
Priority Habitat	1.41	0.00	1.41	na
Total	2.47	0.99	1.47	0.01

Table 4-6: Summary Biodiversity Unit Changes

Area / Linear Units	On-Site Baseline	On-Site Post-Intervention	Total Unit Net Change	Total Net % Change
Habitat Units	2,997.92 3050.95	4193.44 4,204.51	1,258.61 1142.50	40.25 37.45%
Hedgerow Units	153.57	196.71	43.14	28.09%
River Units	18.71	20.83	2.13	11.37%

5 Conclusions

- 5.1.1 Based on the current proposals and outlined assumptions, the Scheme is predicted to result in an overall net gain of approximately ~~4037~~% habitat units, 28% hedgerow units and 11% river units. These values exceed the 10% net gain target for habitat, hedgerow and river units set out in the Environment Act. As the Scheme is expected to achieve the 10% BNG target across all three measures, no further recommendations for habitat creation or enhancement are provided for these habitats.
- 5.1.2 The trading rules within the metric are a set of rules that try to prevent the trading down of habitat distinctiveness. Under the trading rules, losses of habitat are to be compensated for on a “like for like” or “like for better” basis. The trading rules within the Metric are currently satisfied for each level of habitat distinctiveness.
- 5.1.3 Mitigation and compensation measures for protected species may be counted towards a scheme’s biodiversity net gain calculation but those measures should not make up all of a development’s biodiversity net gain. At least 10% of the gain should be delivered through separate activities which are not required to directly mitigate or compensate for protected species impacts. In this instance units generated through the mitigation interventions designed for Stone Curlew deliver a total of ~~79.08~~ units, ~~6.292~~% of the ~~1258.641142~~ habitat unit uplift delivered by the scheme. As such, the overall net gain of ~~37.4540.25~~% has taken into account the need for additionality when considering the schemes wider environmental planning policy and legislative requirements.
- 5.1.4 It is important to note that the outputs of the metric are dependent on all created and retained and enhanced habitats meeting the target conditions, subject to the criteria outlined within Natural England’s Biodiversity Metric 3.1 Technical Note and within the allotted time to condition. Management methods to meet this condition target have been outlined within the Landscape and Ecology Management Plan brought forward to include the measures set out in the OLEMP. The OLEMP is presented as **Appendix 10I** of the Environmental Statement **[EN010106/APP/6.2]**.
- 5.1.5 All of the habitat enhancement/creation options taken forward will need to be monitored to ensure their correct establishment. Remedial action will need to be undertaken if this does not proceed as expected, otherwise the target conditions used in the calculations may not be met and the predicted biodiversity units might not be achieved. Long-term monitoring and management will therefore be secured through the OLEMP.

6 References

- Ref 1. Natural England's Biodiversity Metric 3.1 User Guide
- Ref 2. Natural England (2022). The Biodiversity Metric 3.1 – Technical Supplement.
- Ref 3. Her Majesty's Stationery Office (2021) National Planning Policy Framework
- Ref 4. East Cambridgeshire District Council Local Plan. Adopted April 2015
- Ref 5. East Cambridgeshire District Council Supplementary Planning Document Natural Environment September 2020
- Ref 6. East Cambridgeshire District Council 2022 Biodiversity Net Gain
- Ref 7. East Cambridgeshire District Council Supplementary Planning Documents Renewable Energy Development (Commercial Scale) October 2014
- Ref 8. Forest Heath District Council Core Strategy Adopted 2010
- Ref 9. Forest Heath and St Edmundsbury Local Plan: Joint Development Management Policies Document (last updated February 2015)
- Ref 10. Fordham Neighbourhood Plan (made December 2018)
- Ref 11. Discovering Priority Habitats in England. River data
- Ref 12. Natural Environment and Rural Communities Act (2006) Section 41.
- Ref 13. BRE (2014) Biodiversity Guidance for Solar Developments. Eds G E Parker and L Greene
- Ref 14. RSPB Policy Briefing on Solar Energy. December 2014
- Ref 15. DEFRA (2023) Government response and summary of responses: Biodiversity Net Gain (<https://www.gov.uk/government/consultations/consultation-on-biodiversity-net-gain-regulations-and-implementation/outcome/government-response-and-summary-of-responses>)
- Ref 16. Catchment Based Approach (CaBA). Chalk Stream Restoration Strategy 2021

Appendix A Order Limits

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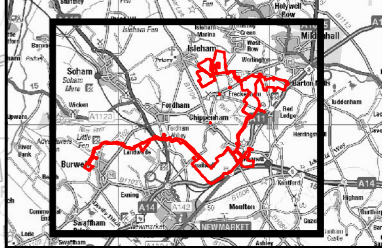
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LEGEND
The Order Limits

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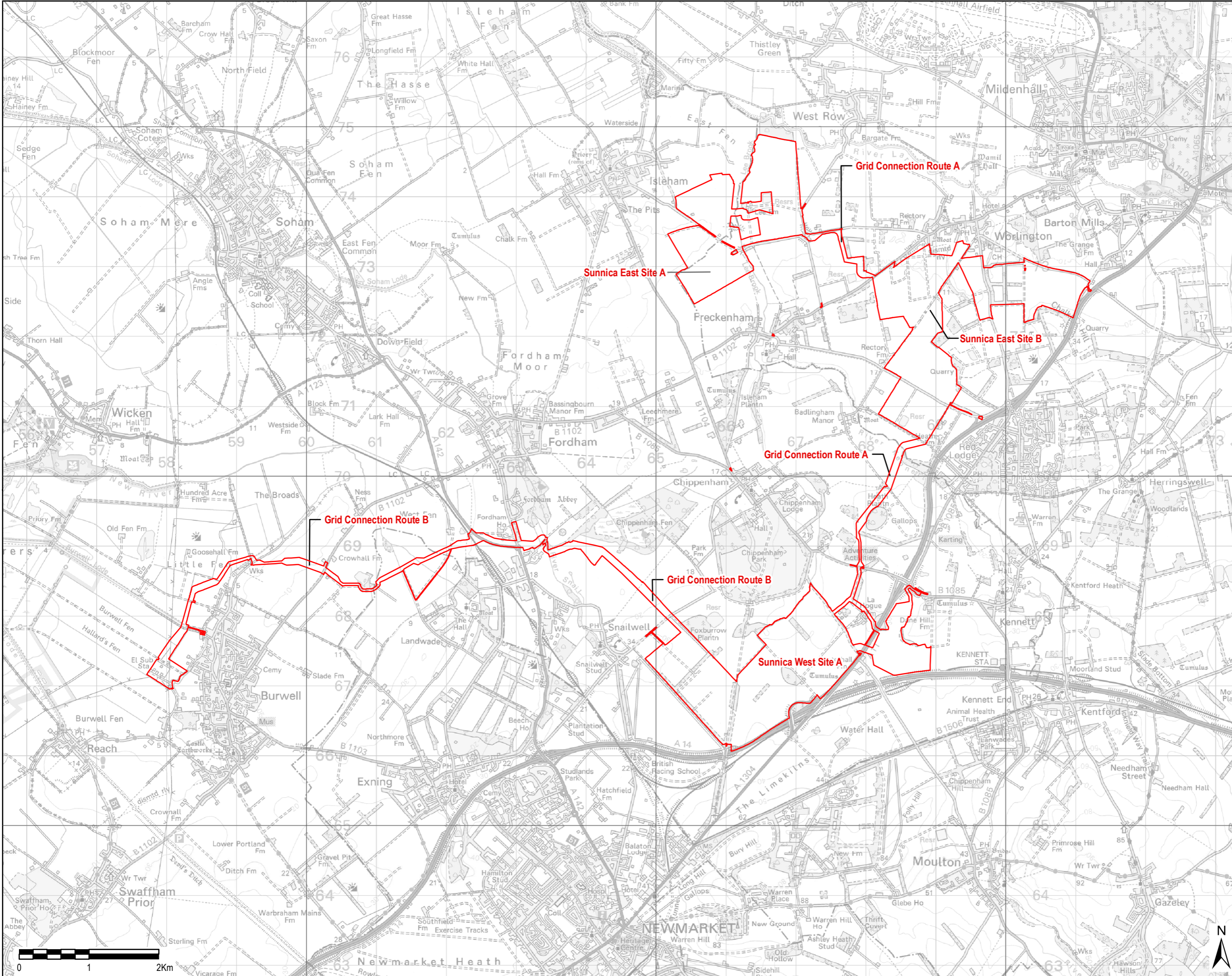
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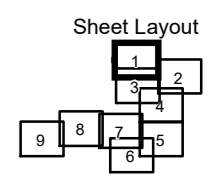
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Appendix B Phase 1 Habitat Plan

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- LEGEND**
- Order Limits
 - Field Reference Boundary
 - UK Habitat**
 - Other woodland; broadleaved
 - Other coniferous woodland
 - Lowland mixed deciduous woodland
 - Mixed scrub
 - Other neutral grassland
 - Modified grassland
 - Ruderal/Ephemeral
 - Cereal crops
 - Other rivers and streams
 - Vacant/derelict land/ bareground
 - Developed land; sealed surface
 - Line of trees
 - Native hedgerow
 - Native hedgerow; with ditch
 - Native hedgerow with trees
 - Other rivers and streams
 - Urban tree



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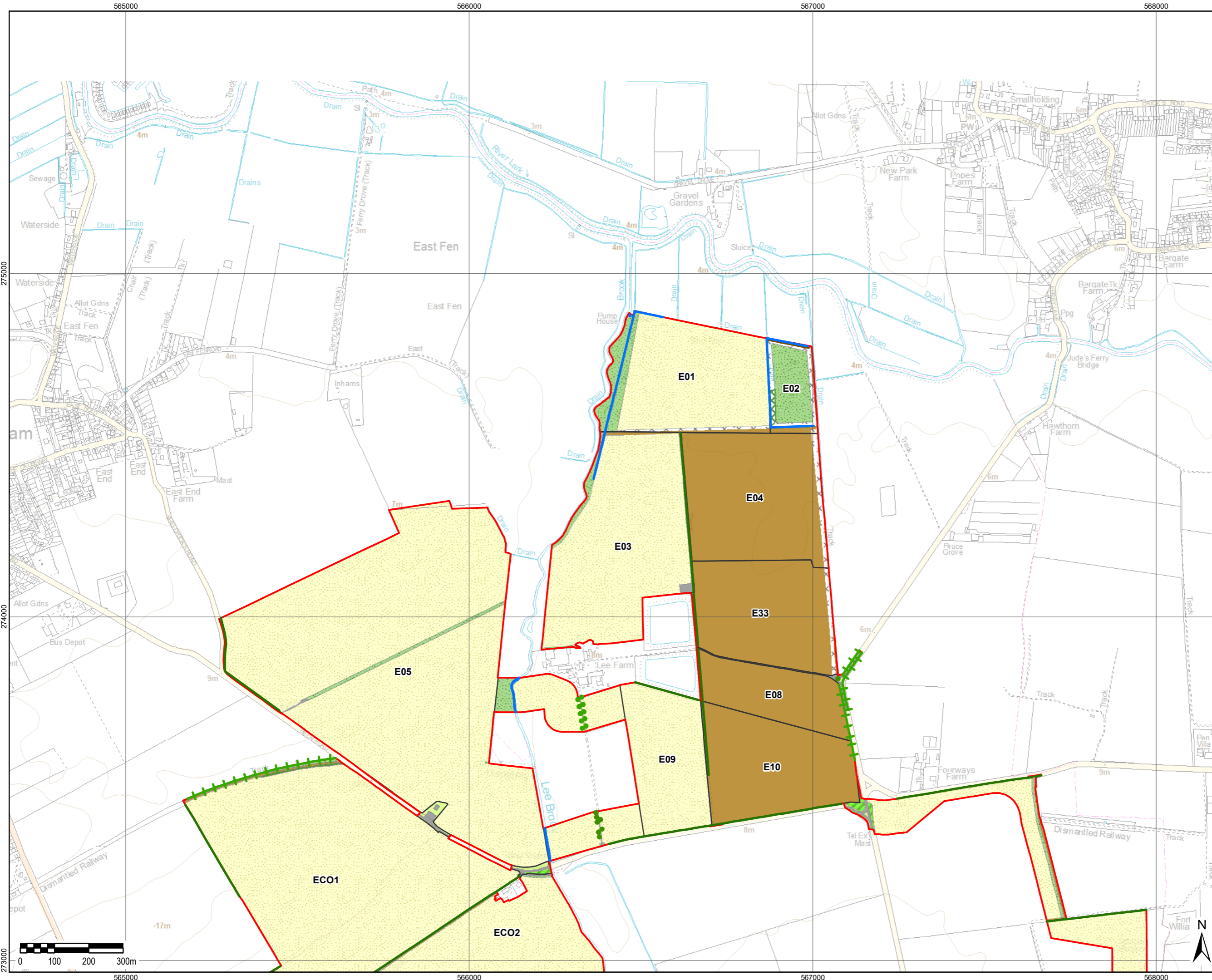
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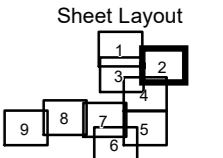
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- LEGEND**
- Order Limits
 - Field Reference Boundary
 - UK Habitat Description**
 - Other woodland; broadleaved
 - Other coniferous woodland
 - Lowland mixed deciduous woodland
 - Other woodland; mixed
 - Mixed scrub
 - Lowland dry acid grassland
 - Other lowland acid grassland
 - Other neutral grassland
 - Modified grassland
 - Cereal crops
 - Other rivers and streams
 - Vacant/derelict land/ bareground
 - Developed land; sealed surface
 - Line of trees
 - Native hedgerow
 - Native hedgerow with trees
 - Urban tree



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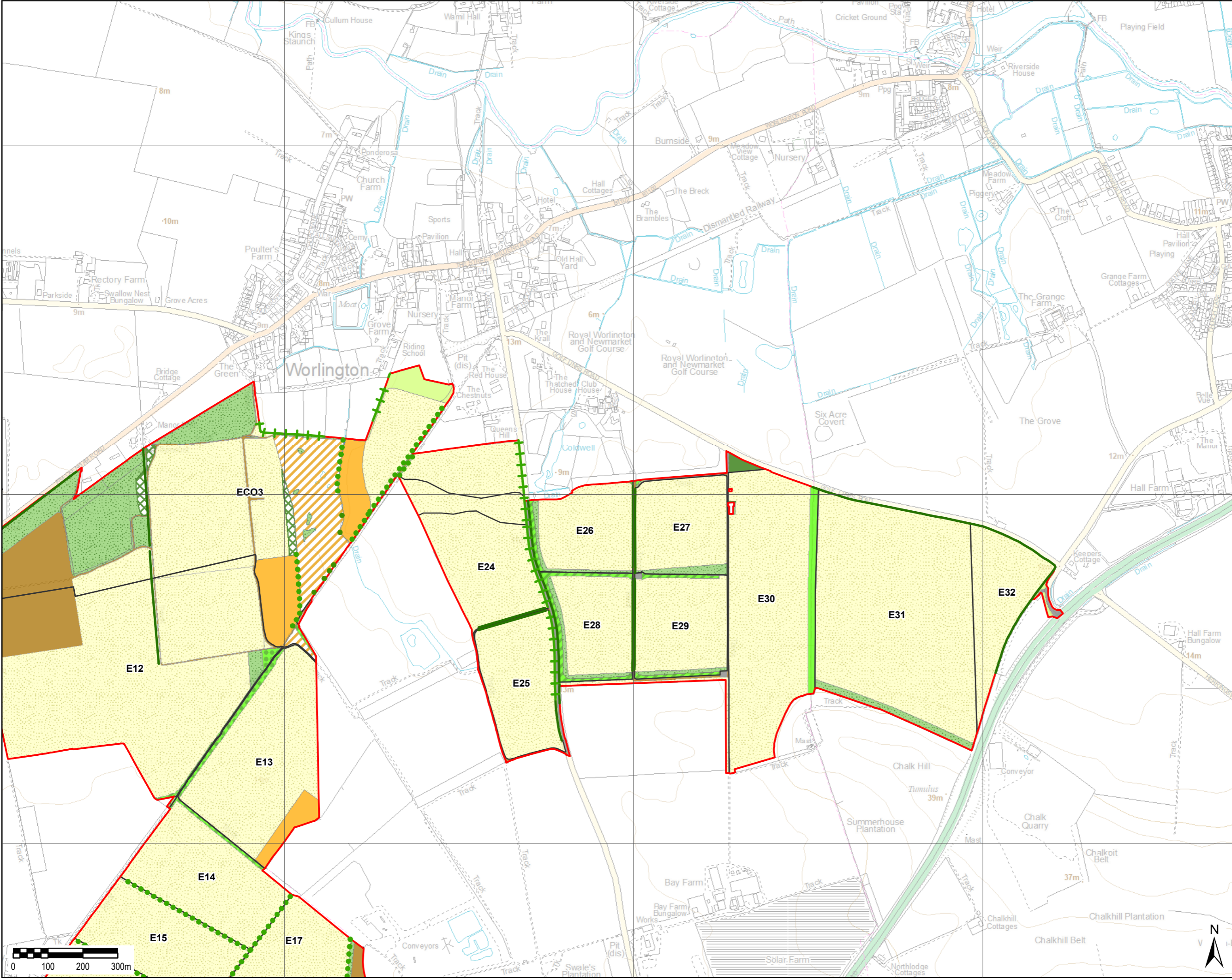
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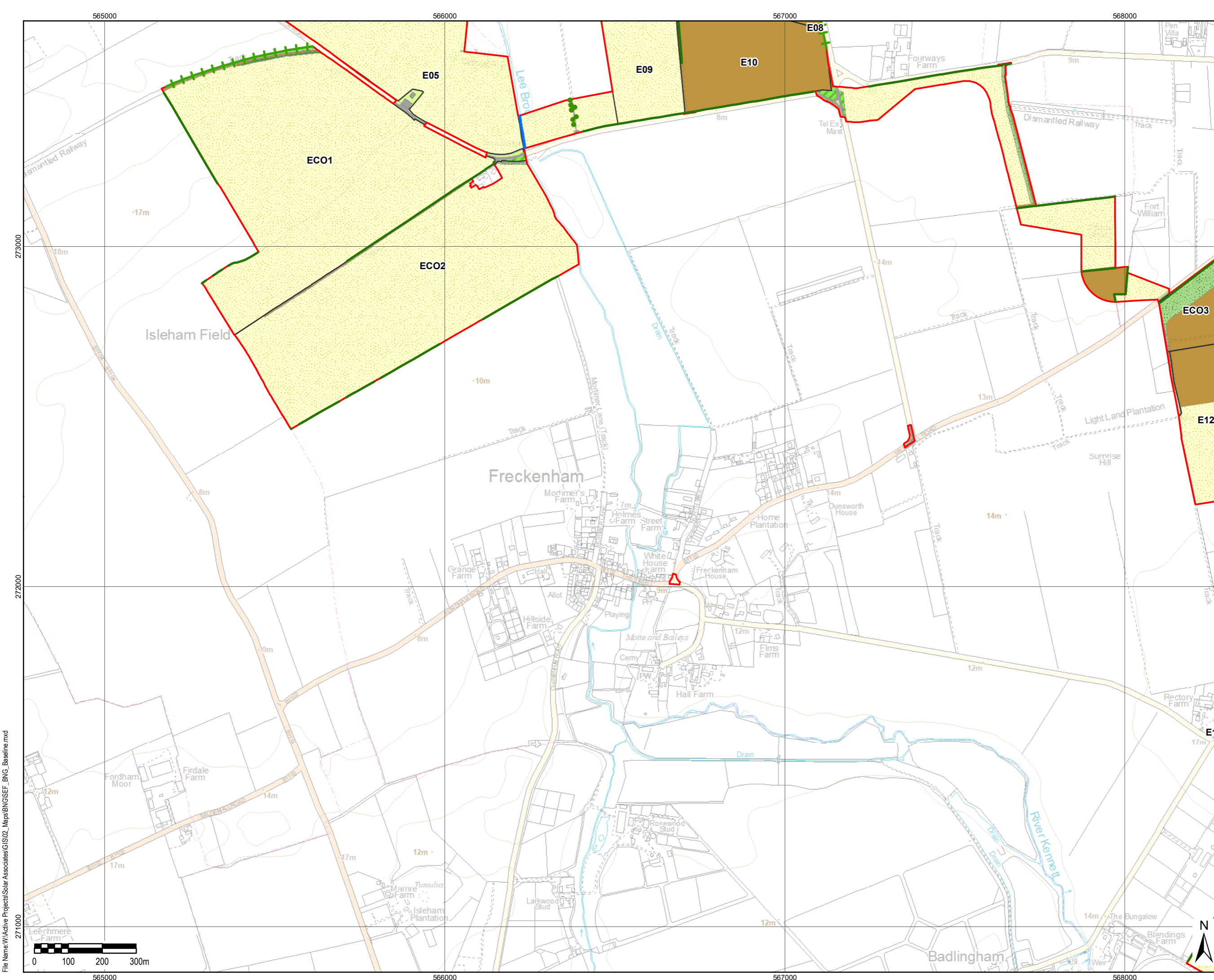
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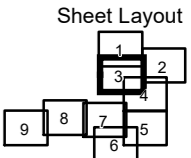
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- LEGEND**
- Order Limits
 - Field Reference Boundary
 - UK Habitat Description**
 - Other woodland; broadleaved
 - Other coniferous woodland
 - Lowland mixed deciduous woodland
 - Other neutral grassland
 - Modified grassland
 - Cereal crops
 - Other rivers and streams
 - Vacant/derelict land/ bareground
 - Developed land; sealed surface
 - Native hedgerow
 - Native hedgerow with trees
 - Other rivers and streams
 - Urban tree



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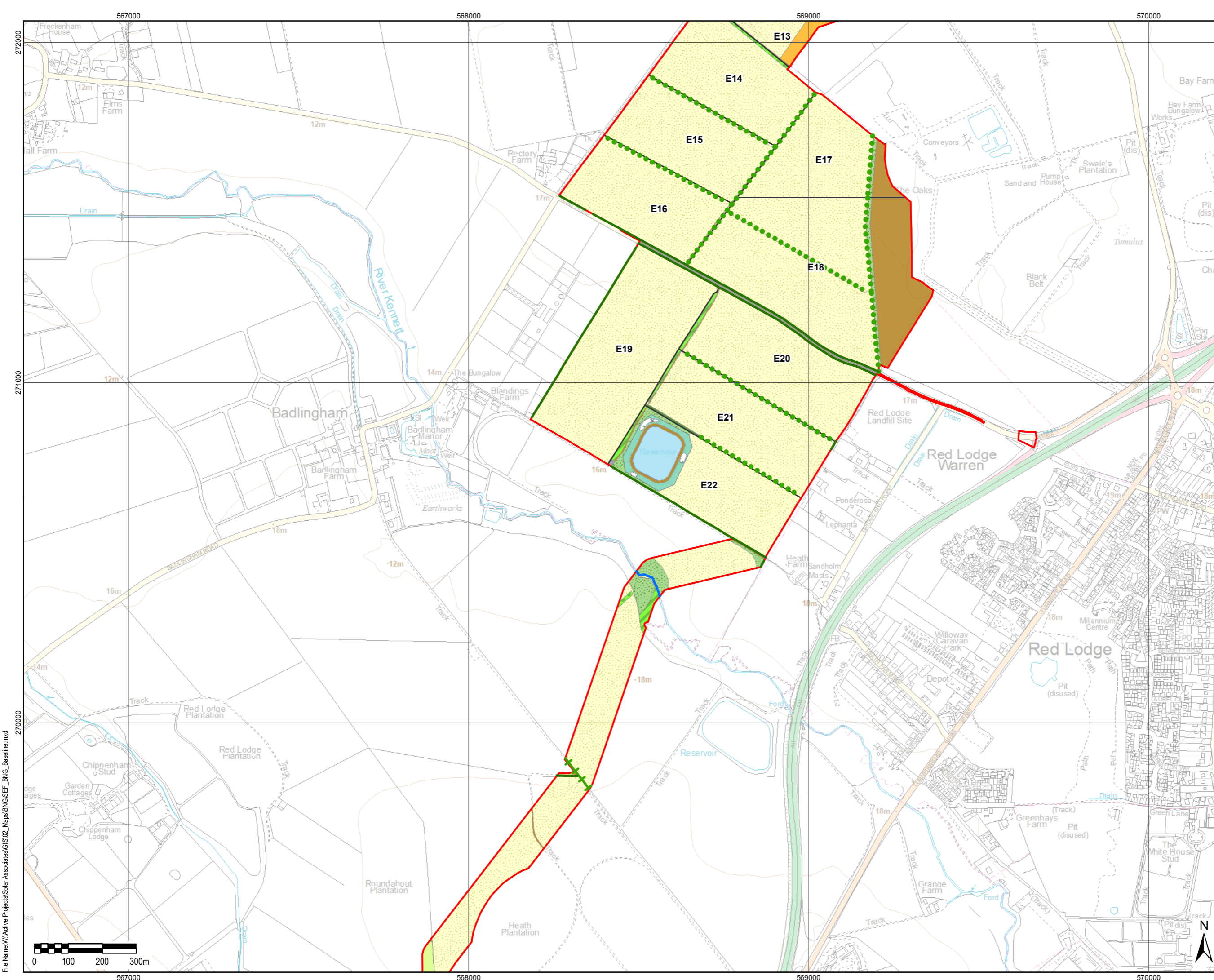
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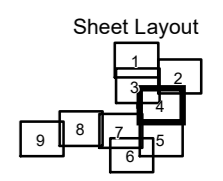
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- LEGEND**
- Order Limits
 - Field Reference Boundary
 - UK Habitat Description**
 - Other woodland; broadleaved
 - Lowland mixed deciduous woodland
 - Other woodland; mixed
 - Lowland calcareous grassland
 - Other lowland acid grassland
 - Other neutral grassland
 - Modified grassland
 - Ruderal/Ephemeral
 - Cereal crops
 - Other rivers and streams
 - Ponds (Priority habitat)
 - Vacant/derelict land/ bareground
 - Developed land; sealed surface
 - Line of trees
 - Native hedgerow
 - Native hedgerow with trees
 - Other rivers and streams



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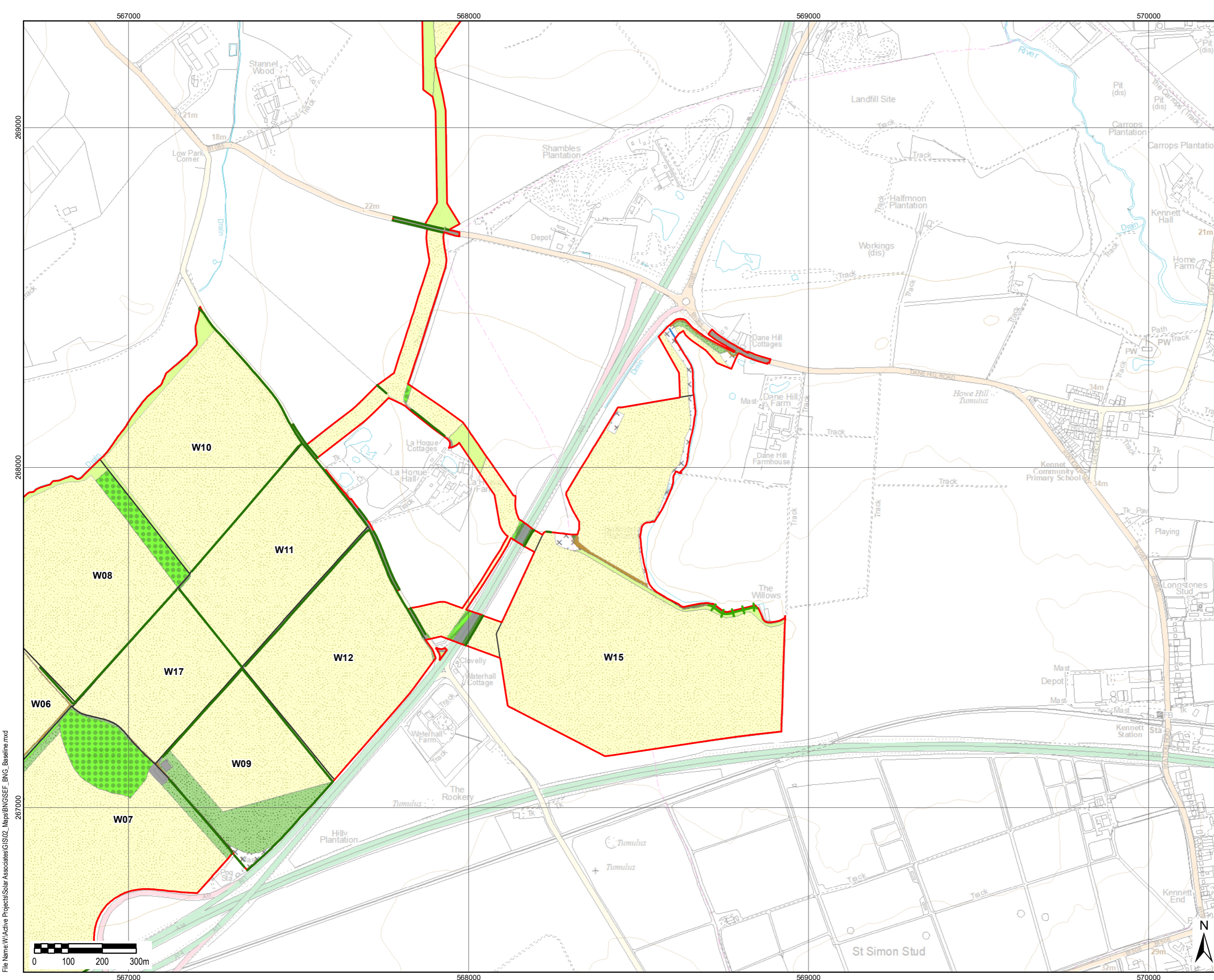
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FIGURE 1.4

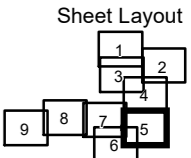
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- LEGEND**
- Order Limits
 - Field Reference Boundary
 - UK Habitat Description**
 - Other woodland; broadleaved
 - Other coniferous woodland
 - Lowland mixed deciduous woodland
 - Other woodland; mixed
 - Other neutral grassland
 - Modified grassland
 - Ruderal/Ephemeral
 - Cereal crops
 - Other rivers and streams
 - Vacant/derelict land/ bareground
 - Developed land; sealed surface
 - Native hedgerow
 - Native hedgerow with trees



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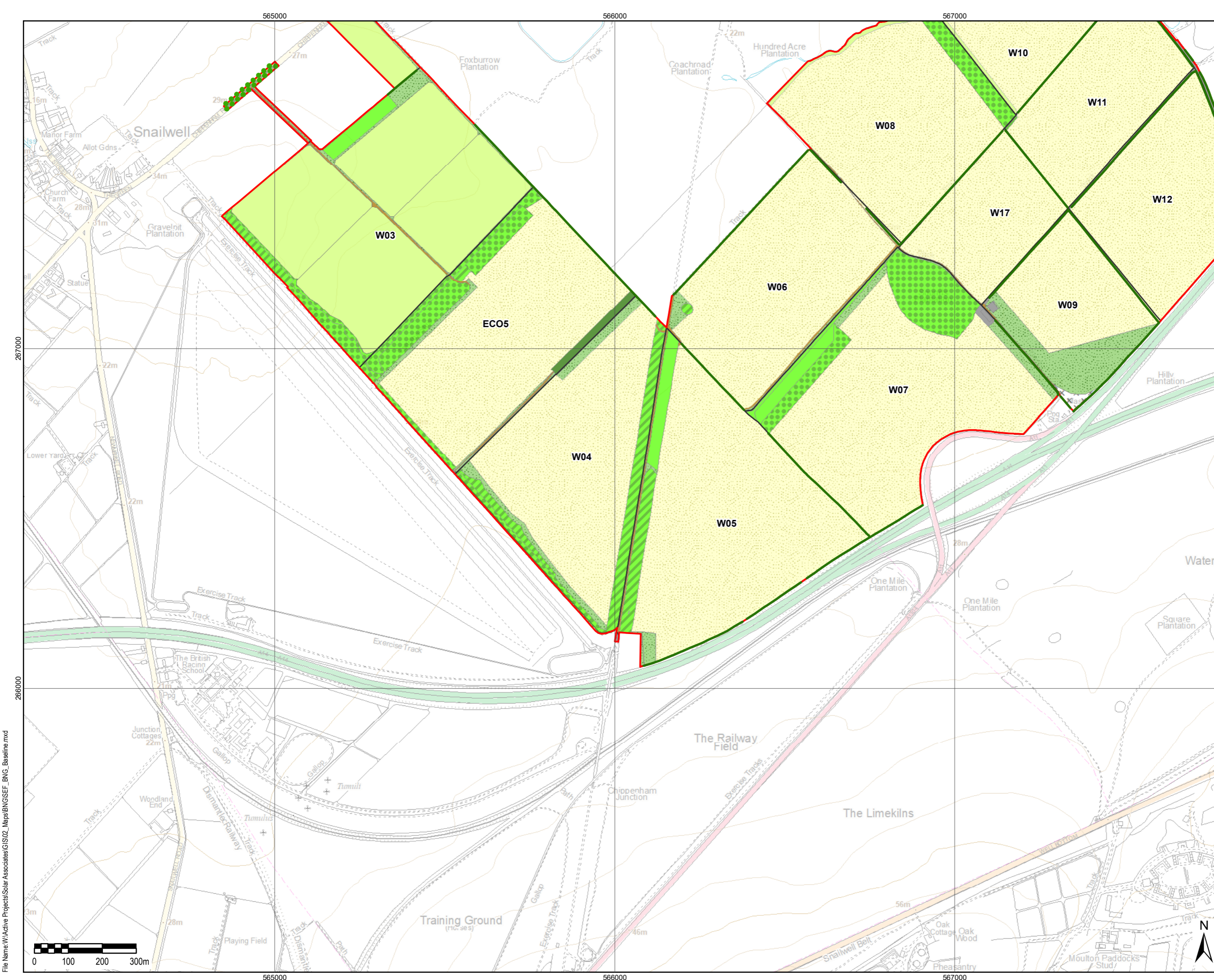
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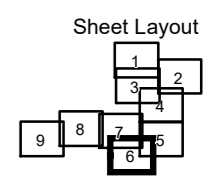
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- LEGEND**
- Order Limits
 - Field Reference Boundary
 - UK Habitat Description**
 - Other woodland; broadleaved
 - Other coniferous woodland
 - Lowland mixed deciduous woodland
 - Other woodland; mixed
 - Mixed scrub
 - Other neutral grassland
 - Modified grassland
 - Ruderal/Ephemeral
 - Cereal crops
 - Other rivers and streams
 - Vacant/derelict land/ bareground
 - Developed land; sealed surface
 - Line of trees
 - Native hedgerow



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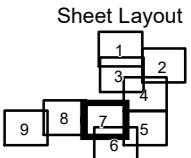
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FIGURE 1.6

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- LEGEND**
- Order Limits
 - Field Reference Boundary
 - UK Habitat Description**
 - Other woodland; broadleaved
 - Other coniferous woodland
 - Lowland mixed deciduous woodland
 - Other woodland; mixed
 - Mixed scrub
 - Other neutral grassland
 - Modified grassland
 - Cereal crops
 - Other rivers and streams
 - Vacant/derelict land/ bareground
 - Developed land; sealed surface
 - Line of trees
 - Native hedgerow
 - Native hedgerow; with ditch
 - Native hedgerow with trees
 - Other rivers and streams
 - Urban tree



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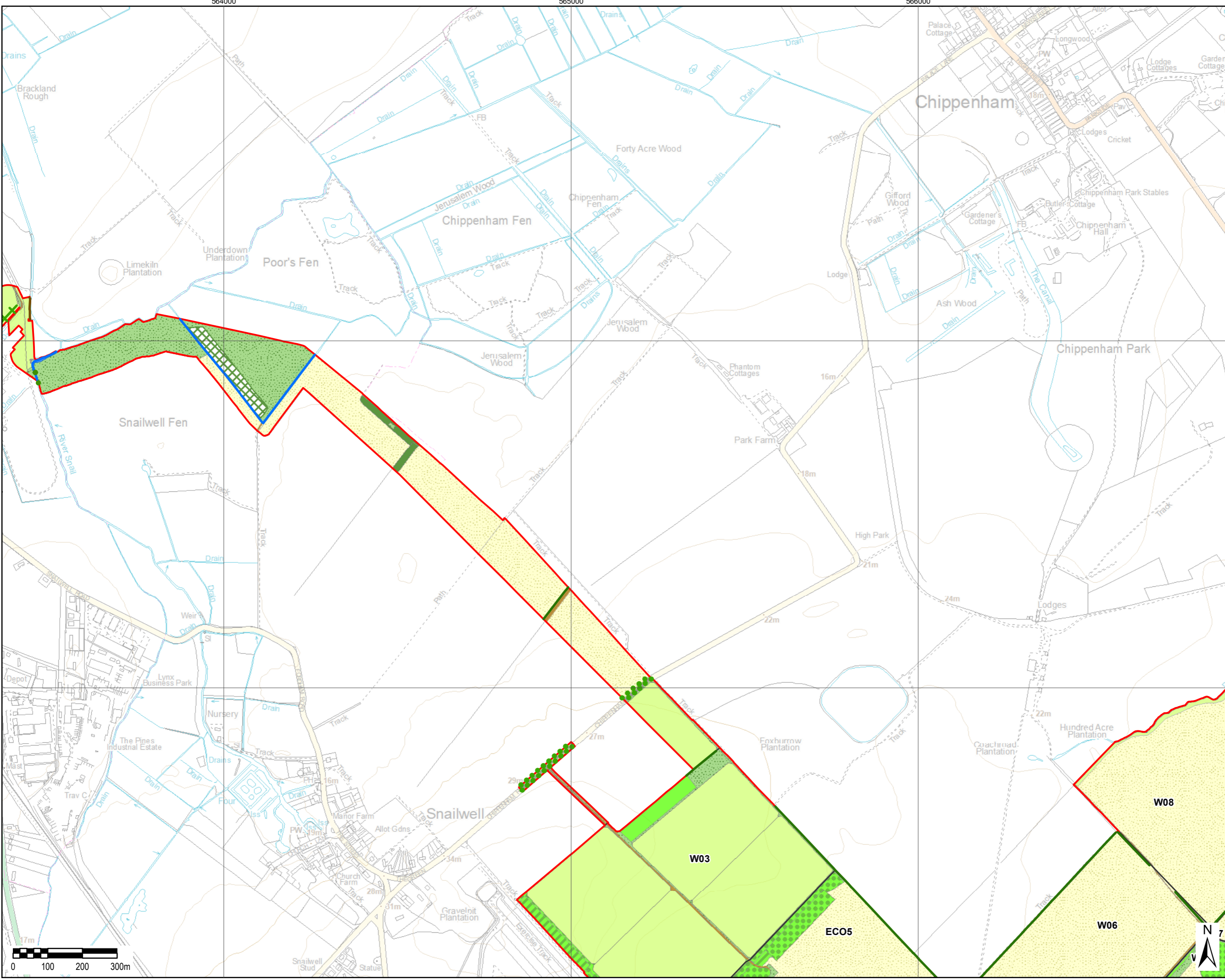
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AECOM Internal Project No. 60589004		Scale @ A3 1:10,000	

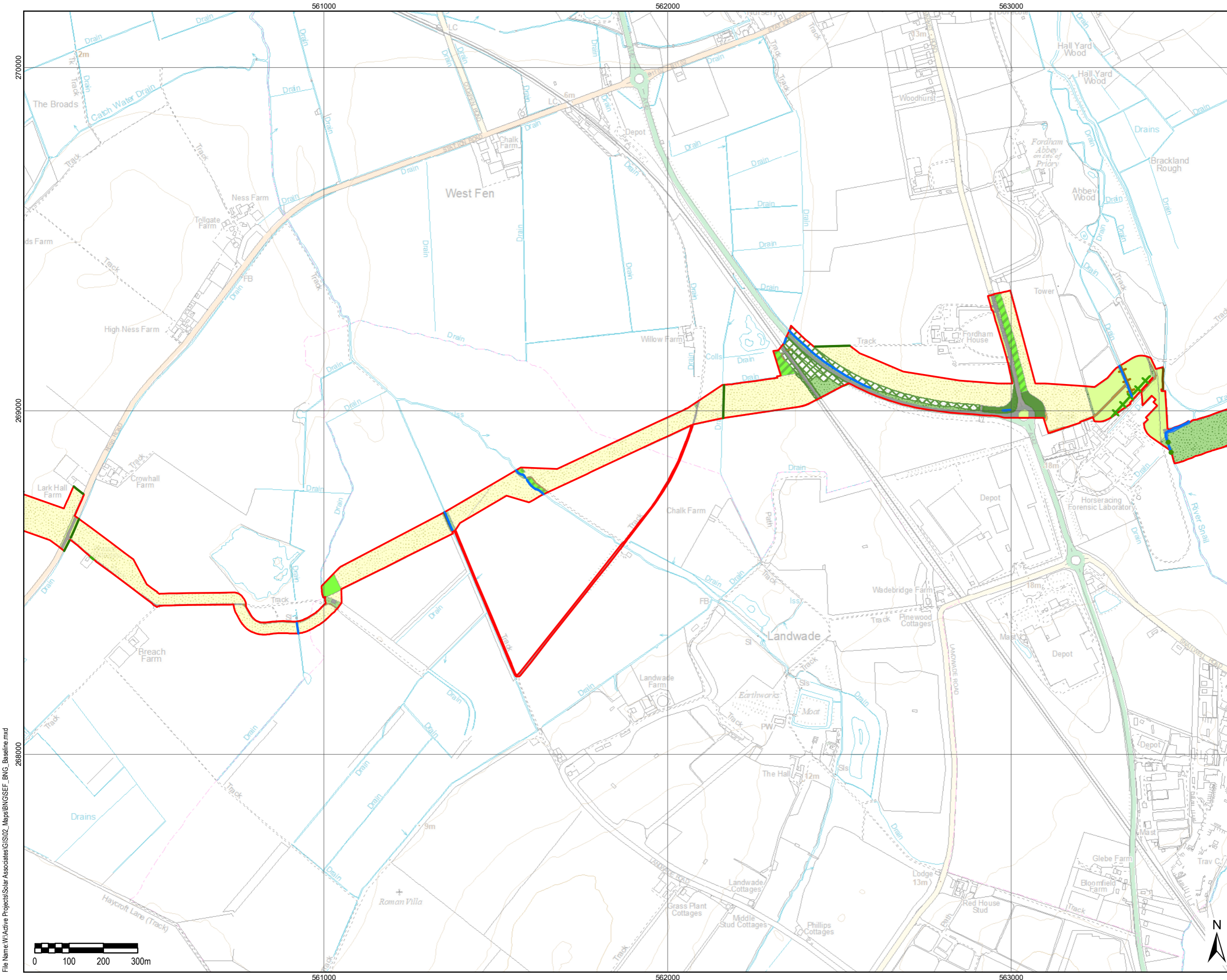
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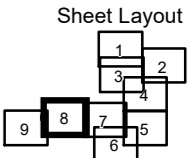
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- LEGEND**
- Order Limits
 - UK Habitat Description**
 - Other woodland; broadleaved
 - Other coniferous woodland
 - Lowland mixed deciduous woodland
 - Other woodland; mixed
 - Mixed scrub
 - Other lowland acid grassland
 - Other neutral grassland
 - Modified grassland
 - Cereal crops
 - Other rivers and streams
 - Vacant/derelict land/ bareground
 - Developed land; sealed surface
 - Native hedgerow
 - Native hedgerow with trees
 - Native hedgerow with trees; with ditch
 - Other rivers and streams
 - Urban tree



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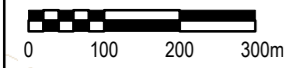
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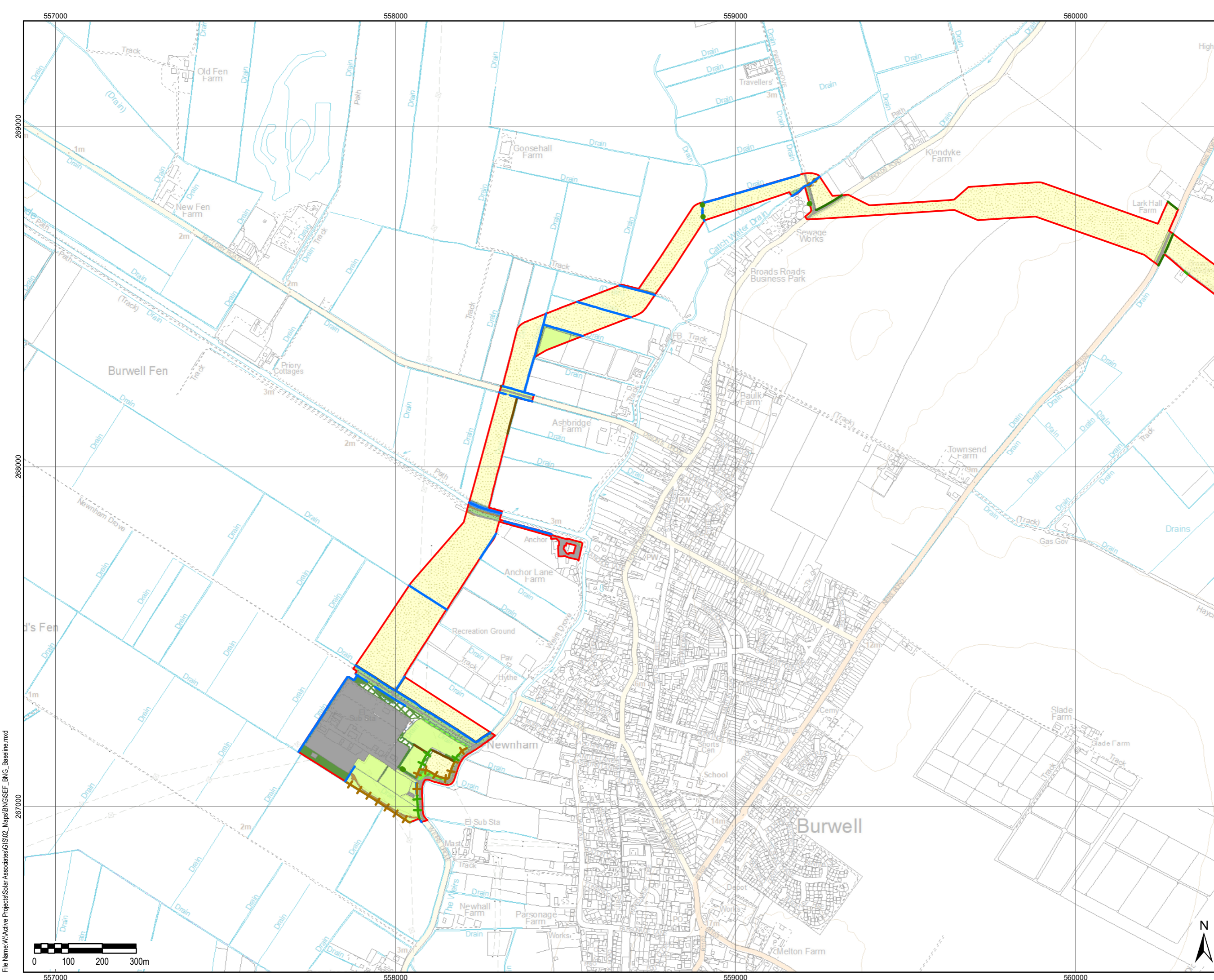


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FIGURE 1.8

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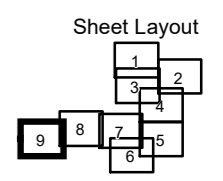
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- LEGEND**
- Order Limits
 - UK Habitat Description**
 - Other woodland; broadleaved
 - Lowland mixed deciduous woodland
 - Mixed scrub
 - Other neutral grassland
 - Modified grassland
 - Ruderal/Ephemeral
 - Cereal crops
 - Other rivers and streams
 - Vacant/derelict land/ bareground
 - Developed land; sealed surface
 - Line of trees; with ditch
 - Native hedgerow
 - Native hedgerow; with ditch
 - Native hedgerow with trees
 - Native hedgerow with trees; with ditch
 - Other rivers and streams
 - Urban tree



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FIGURE 1.9

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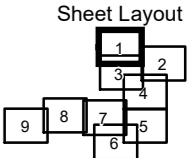


Appendix C Post Development Biodiversity Net Gain Plans ~~Parameter~~ Plans

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LEGEND

- Order Limits
- Field Reference Boundary
- UK Habitat Description**
- Other woodland; broadleaved
- Other coniferous woodland
- Lowland mixed deciduous woodland
- Mixed scrub
- Lowland calcareous grassland
- Other lowland acid grassland
- Other neutral grassland
- Modified grassland
- Purple moor grass and rush pastures
- Cereal crops
- Other rivers and streams
- Vacant/derelict land/ bareground
- Developed land; sealed surface
- Line of trees
- Native Species Rich Hedgerow
- Native hedgerow
- Native hedgerow; with ditch
- Native hedgerow with trees
- Other rivers and streams
- Urban tree



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**BIODIVERSITY NET GAIN
POST DEVELOPMENT**

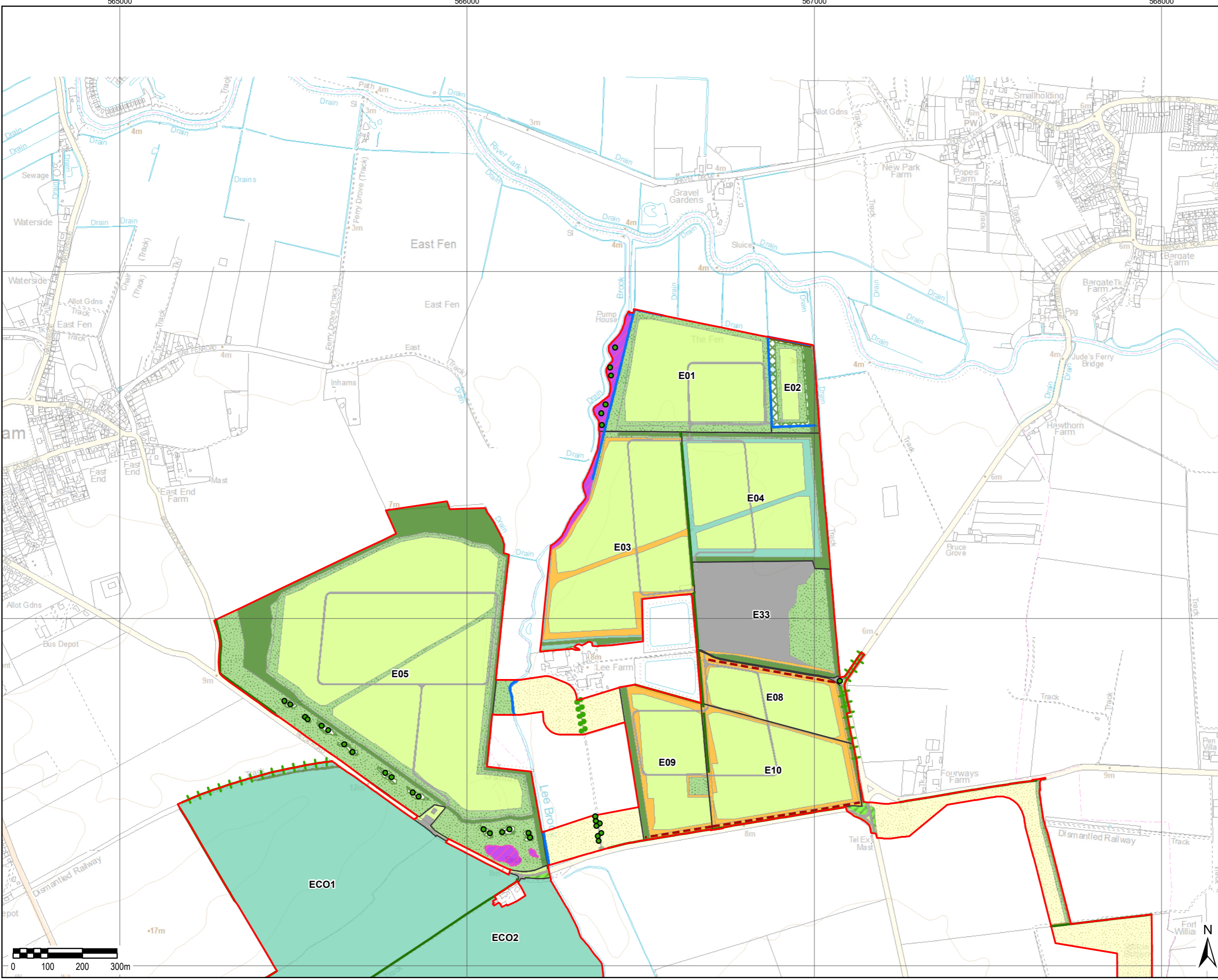
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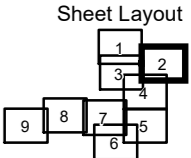
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- LEGEND**
- Order Limits
 - Field Reference Boundary
 - UK Habitat Description**
 - Other woodland; broadleaved
 - Other coniferous woodland
 - Lowland mixed deciduous woodland
 - Other woodland; mixed
 - Lowland calcareous grassland
 - Lowland dry acid grassland
 - Other lowland acid grassland
 - Other neutral grassland
 - Modified grassland
 - Arable field margins game bird mix
 - Cereal crops
 - Vacant/derelict land/ bareground
 - Developed land; sealed surface
 - Line of trees
 - Native Species Rich Hedgerow
 - Native hedgerow
 - Native hedgerow with trees
 - Urban tree



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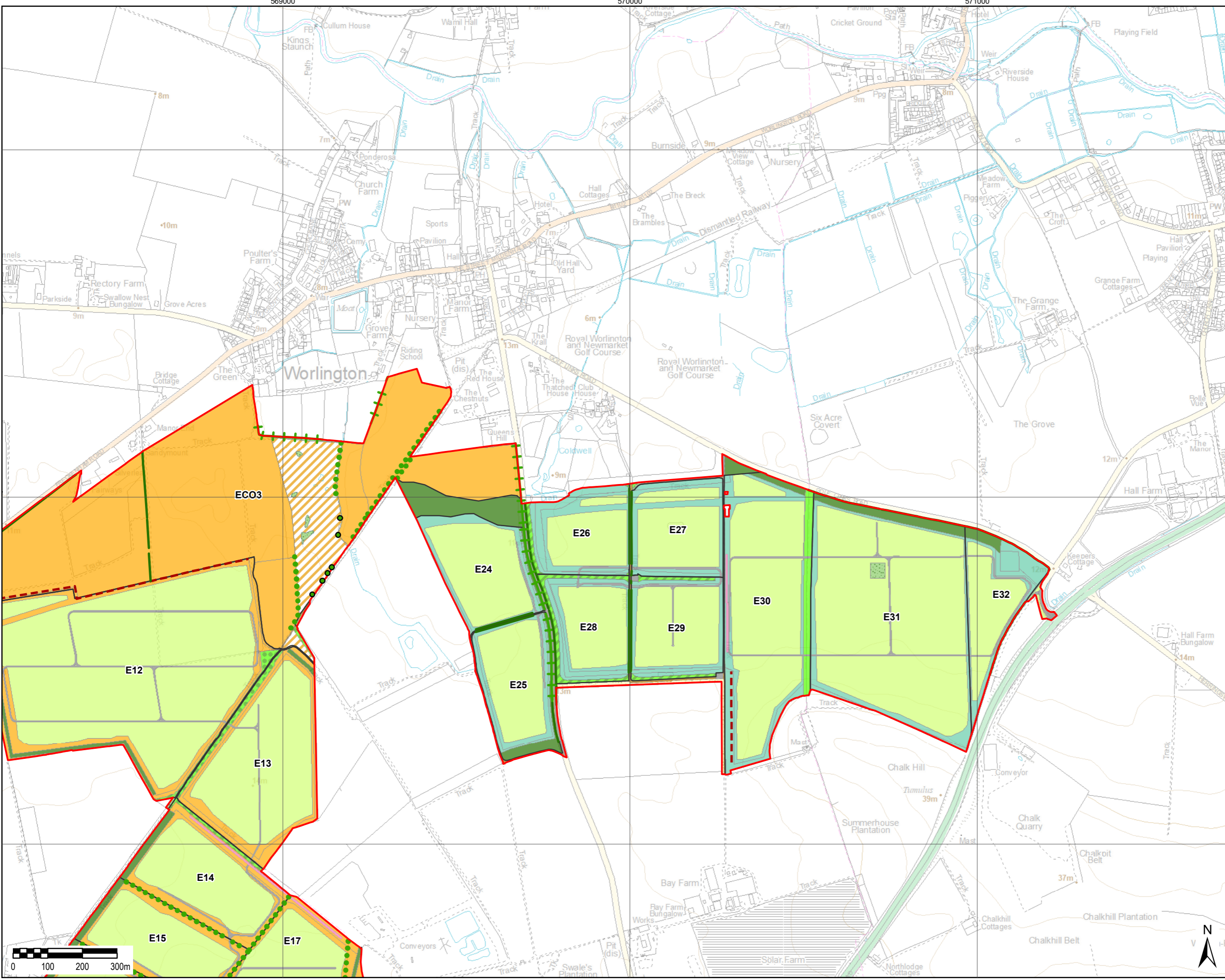
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AECOM Internal Project No. 60589004		Scale @ A3 1:10,000	

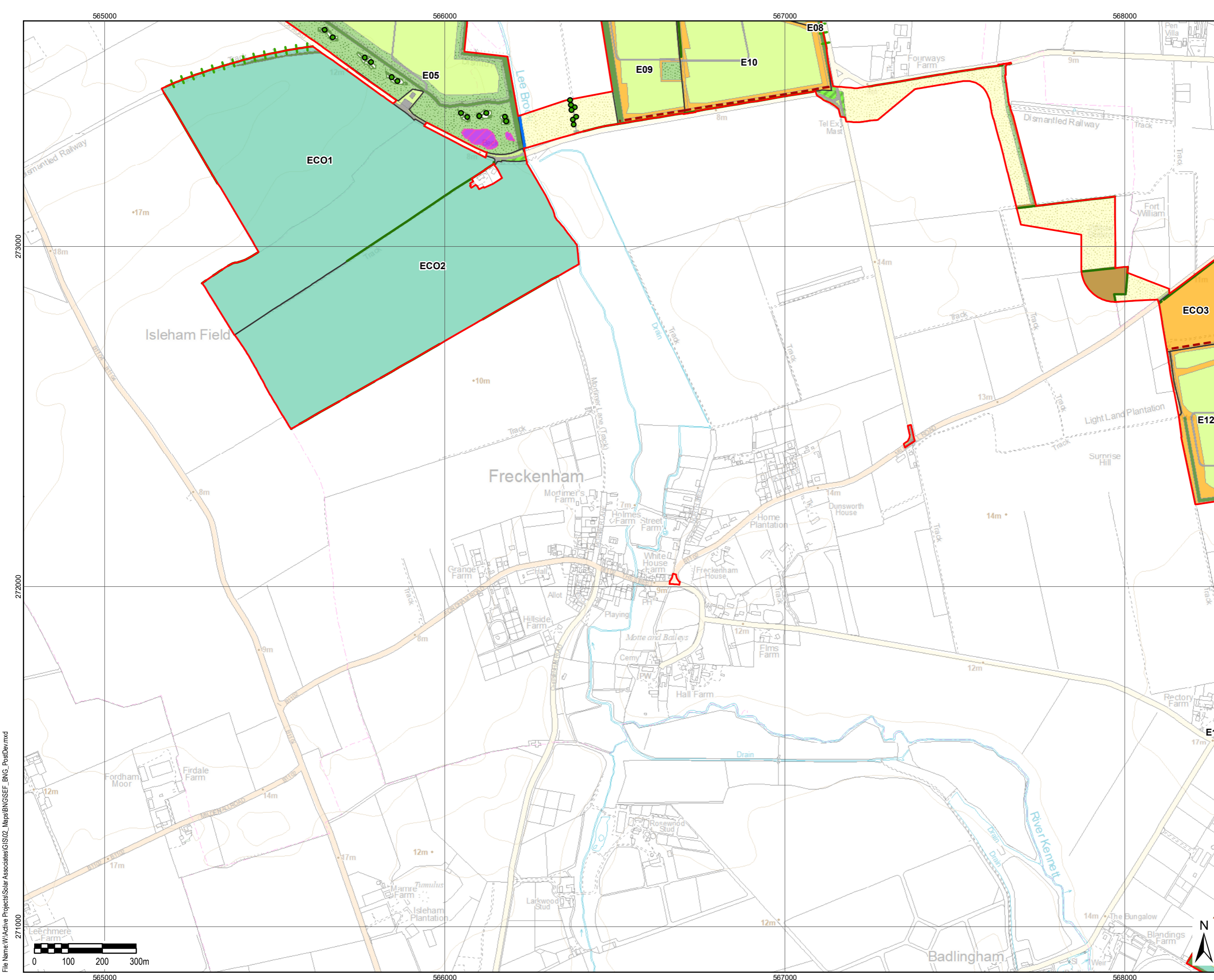
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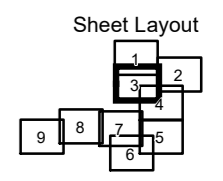
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- LEGEND**
- Order Limits
 - Field Reference Boundary
 - UK Habitat Description**
 - Other woodland; broadleaved
 - Other coniferous woodland
 - Lowland mixed deciduous woodland
 - Mixed scrub
 - Lowland calcareous grassland
 - Other lowland acid grassland
 - Other neutral grassland
 - Modified grassland
 - Purple moor grass and rush pastures
 - Cereal crops
 - Other rivers and streams
 - Vacant/derelict land/ bareground
 - Developed land; sealed surface
 - Native Species Rich Hedgerow
 - Native hedgerow
 - Native hedgerow with trees
 - Other rivers and streams
 - Urban tree



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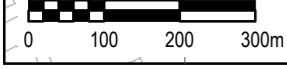
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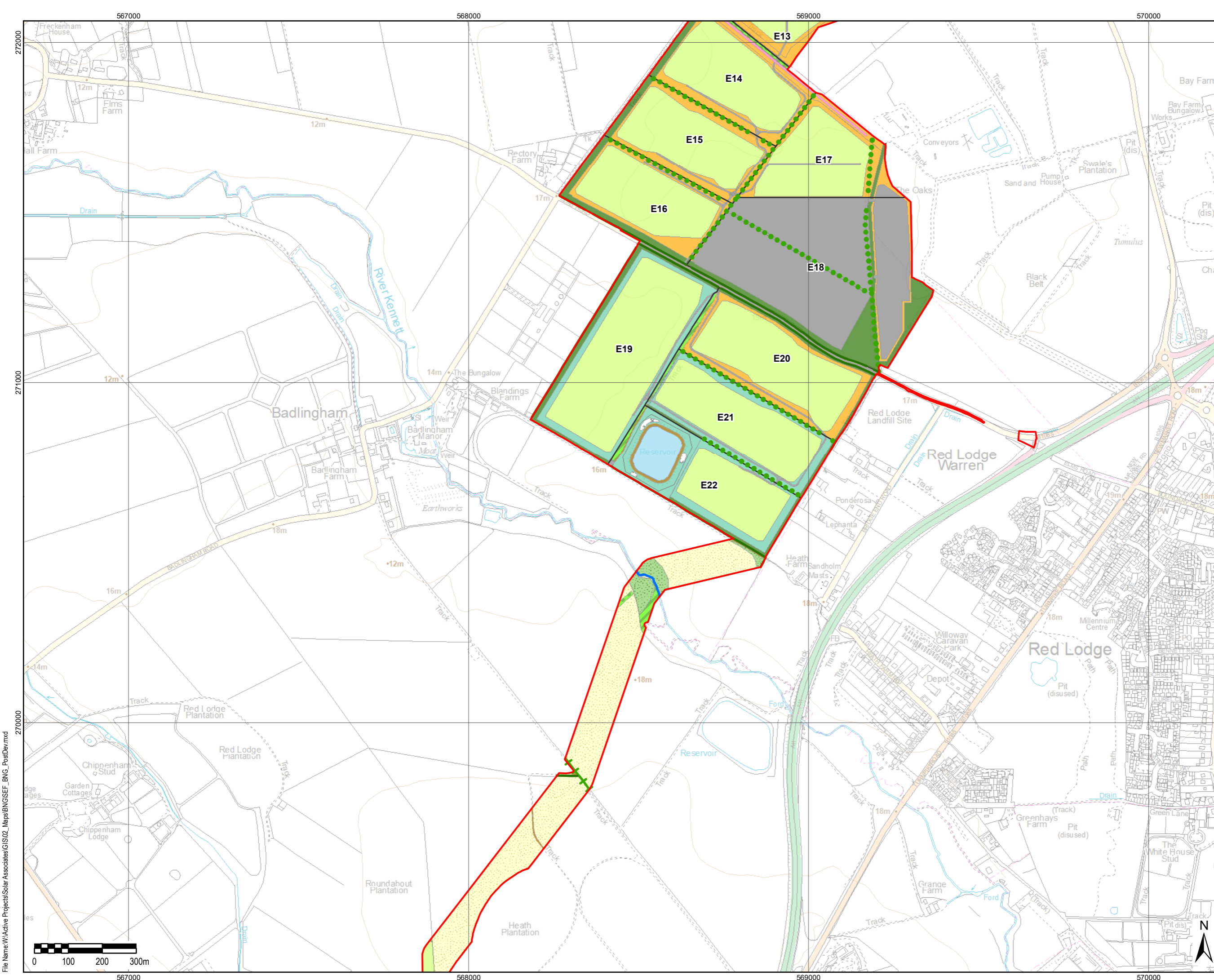


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FIGURE 2.3

Rev
0

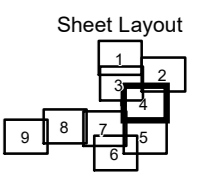
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- LEGEND**
- Order Limits
 - Field Reference Boundary
- UK Habitat Description**
- Other woodland; broadleaved
 - Lowland mixed deciduous woodland
 - Other woodland; mixed
 - Lowland calcareous grassland
 - Other lowland acid grassland
 - Other neutral grassland
 - Modified grassland
 - Arable field margins game bird mix
 - Ruderal/Ephemeral
 - Cereal crops
 - Other rivers and streams
 - Ponds (Priority habitat)
 - Vacant/derelict land/ bareground
 - Developed land; sealed surface
 - Line of trees
 - Native hedgerow
 - Native hedgerow with trees
 - Other rivers and streams



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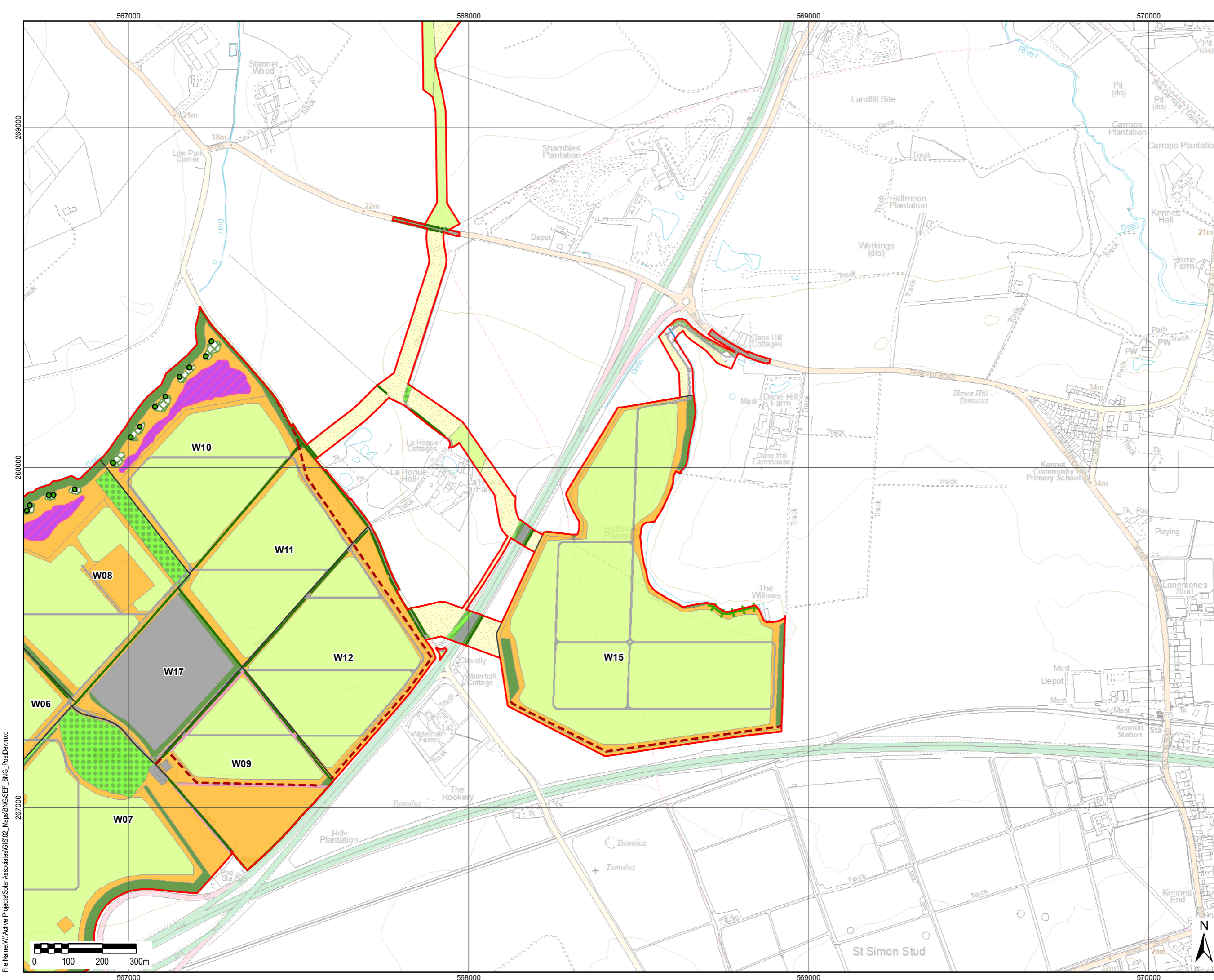
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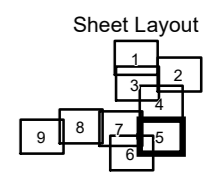
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- LEGEND**
- Order Limits
 - Field Reference Boundary
 - UK Habitat Description**
 - Other woodland; broadleaved
 - Other coniferous woodland
 - Lowland mixed deciduous woodland
 - Other woodland; mixed
 - Mixed scrub
 - Other lowland acid grassland
 - Other neutral grassland
 - Modified grassland
 - Arable field margins game bird mix
 - x x x Ruderal/Ephemeral
 - Purple moor grass and rush pastures
 - Cereal crops
 - Other rivers and streams
 - Vacant/derelict land/ bareground
 - Developed land; sealed surface
 - Native Species Rich Hedgerow
 - Native hedgerow
 - Native hedgerow with trees
 - Urban tree



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Drawing Title
**BIODIVERSITY NET GAIN
POST DEVELOPMENT**

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AECOM Internal Project No. 60589004		Scale @ A3 1:10,000	

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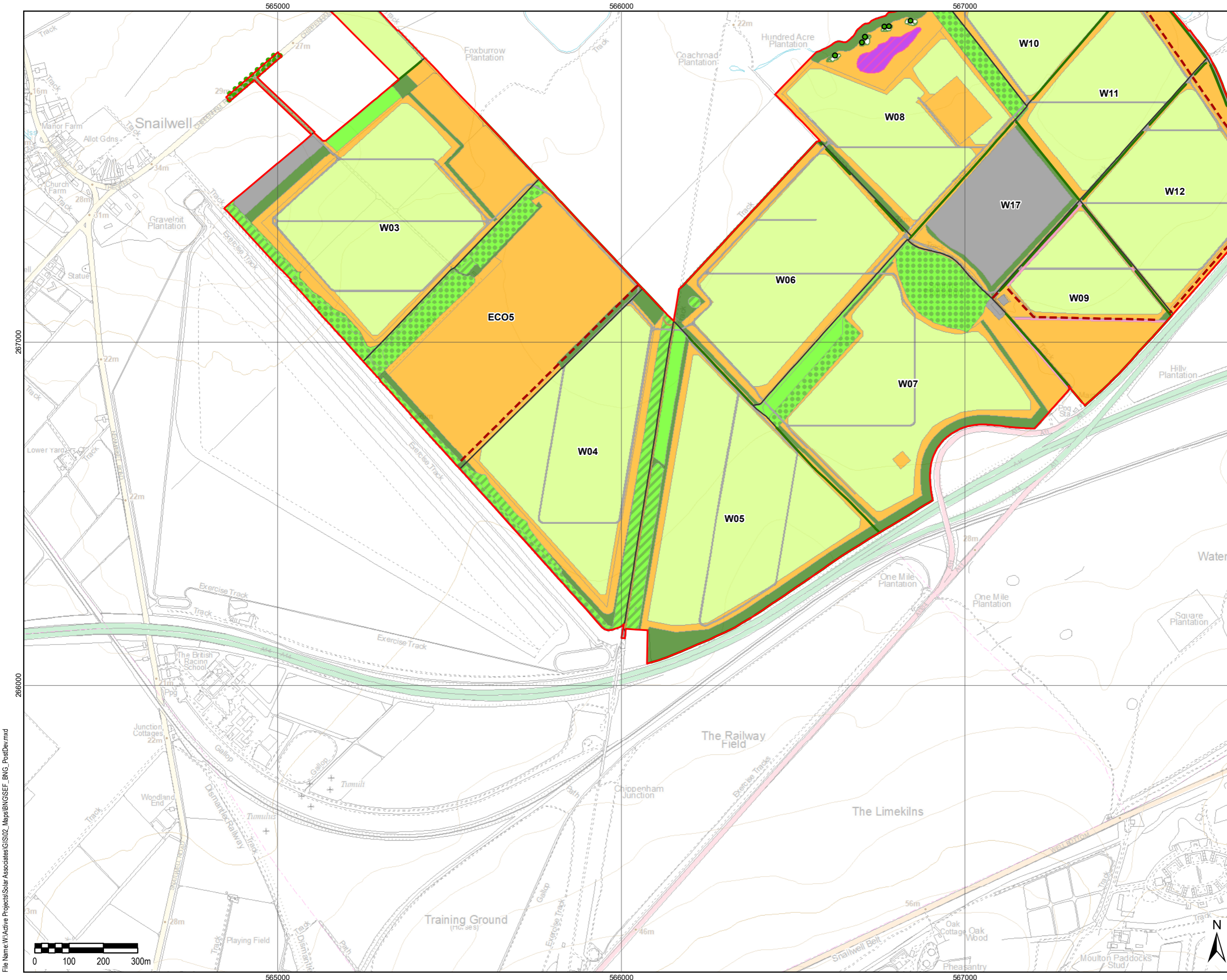
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www.aecom.com



Drawing Number
FIGURE 2.5

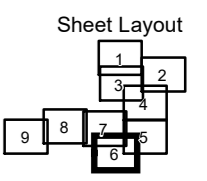
Rev
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- LEGEND**
- Order Limits
 - Field Reference Boundary
 - UK Habitat Description**
 - Other woodland; broadleaved
 - Other coniferous woodland
 - Lowland mixed deciduous woodland
 - Other woodland; mixed
 - Mixed scrub
 - Other lowland acid grassland
 - Other neutral grassland
 - Modified grassland
 - Arable field margins game bird mix
 - Purple moor grass and rush pastures
 - Cereal crops
 - Vacant/derelict land/ bareground
 - Developed land; sealed surface
 - Line of trees
 - Native Species Rich Hedgerow
 - Native hedgerow
 - Urban tree



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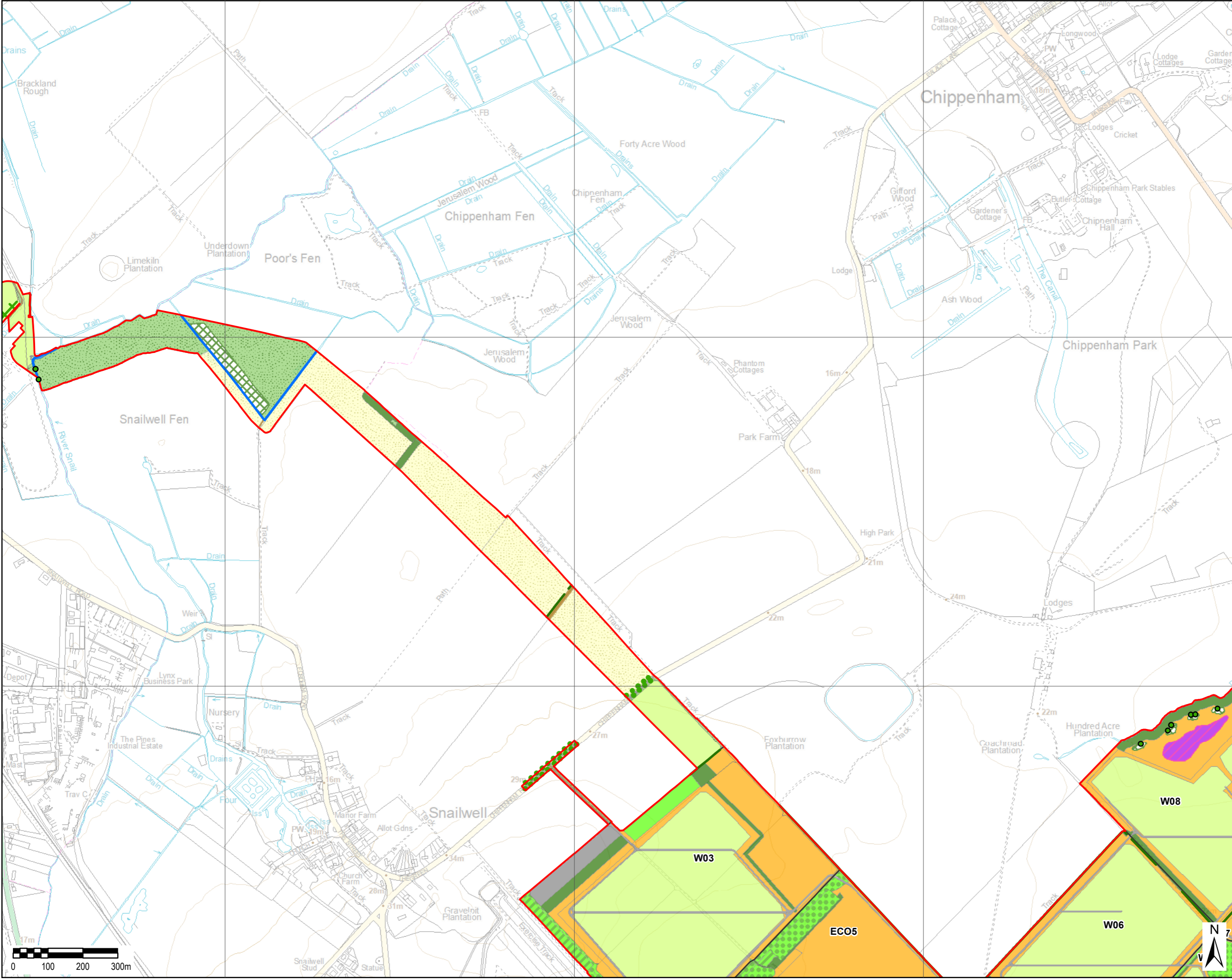
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FIGURE 2.6

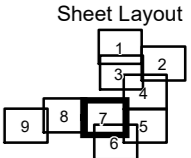
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- LEGEND**
- Order Limits
 - Field Reference Boundary
 - UK Habitat Description**
 - Other woodland; broadleaved
 - Other coniferous woodland
 - Lowland mixed deciduous woodland
 - Other woodland; mixed
 - Mixed scrub
 - Other lowland acid grassland
 - Other neutral grassland
 - Modified grassland
 - Purple moor grass and rush pastures
 - Cereal crops
 - Other rivers and streams
 - Vacant/derelict land/ bareground
 - Developed land; sealed surface
 - Line of trees
 - Native Species Rich Hedgerow
 - Native hedgerow
 - Native hedgerow; with ditch
 - Native hedgerow with trees
 - Other rivers and streams
 - Urban tree



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Drawing Title **BIODIVERSITY NET GAIN POST DEVELOPMENT**

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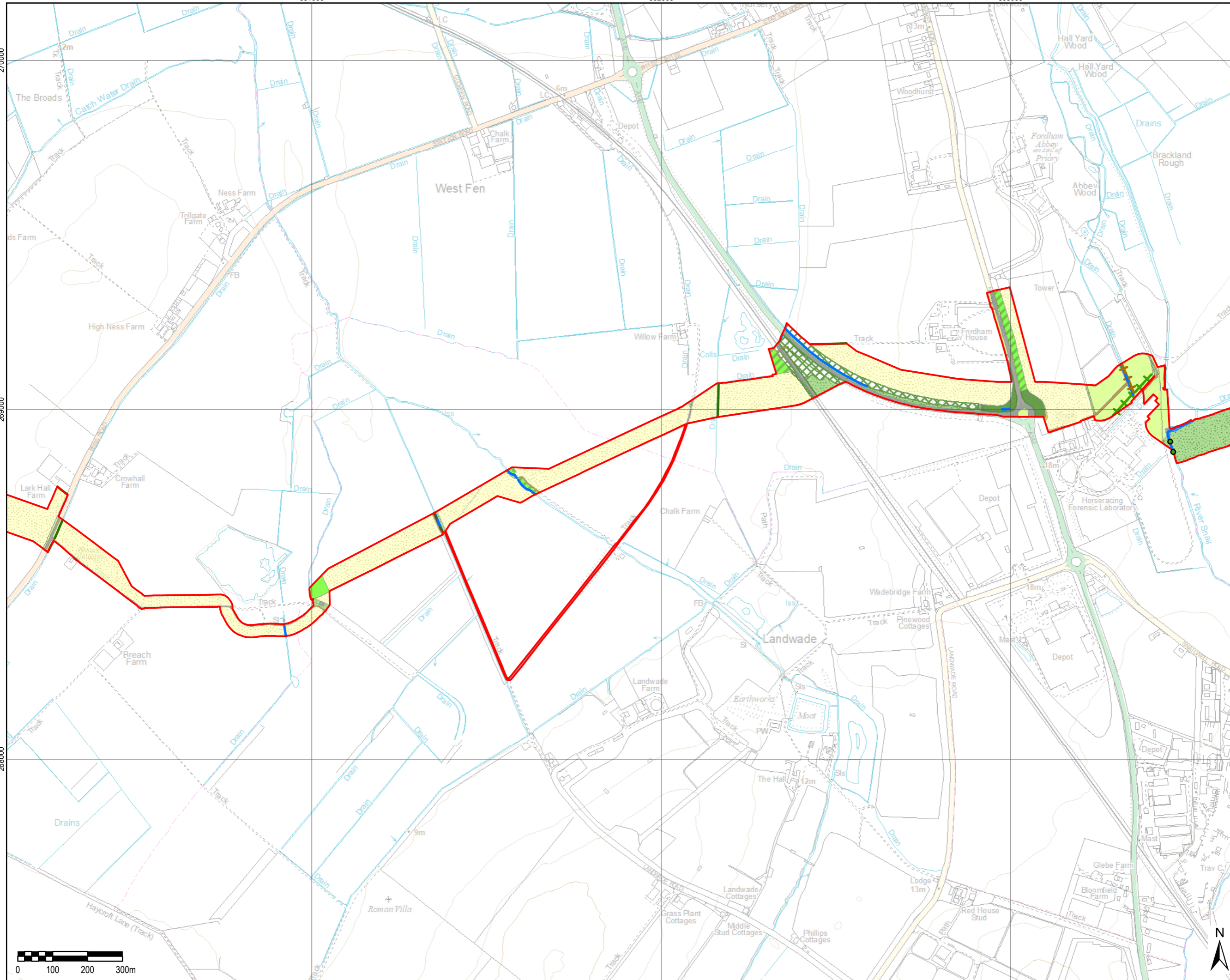
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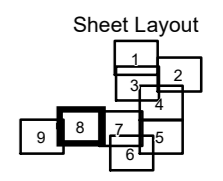
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- LEGEND**
- Order Limits
 - UK Habitat Description**
 - Other woodland; broadleaved
 - Other coniferous woodland
 - Lowland mixed deciduous woodland
 - Other woodland; mixed
 - Mixed scrub
 - Other lowland acid grassland
 - Other neutral grassland
 - Modified grassland
 - Cereal crops
 - Other rivers and streams
 - Vacant/derelict land/ bareground
 - Developed land; sealed surface
 - Native hedgerow
 - Native hedgerow; with ditch
 - Native hedgerow with trees
 - Native hedgerow with trees; with ditch
 - Other rivers and streams
 - Urban tree



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Drawing Title
**BIODIVERSITY NET GAIN
POST DEVELOPMENT**

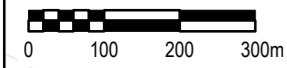
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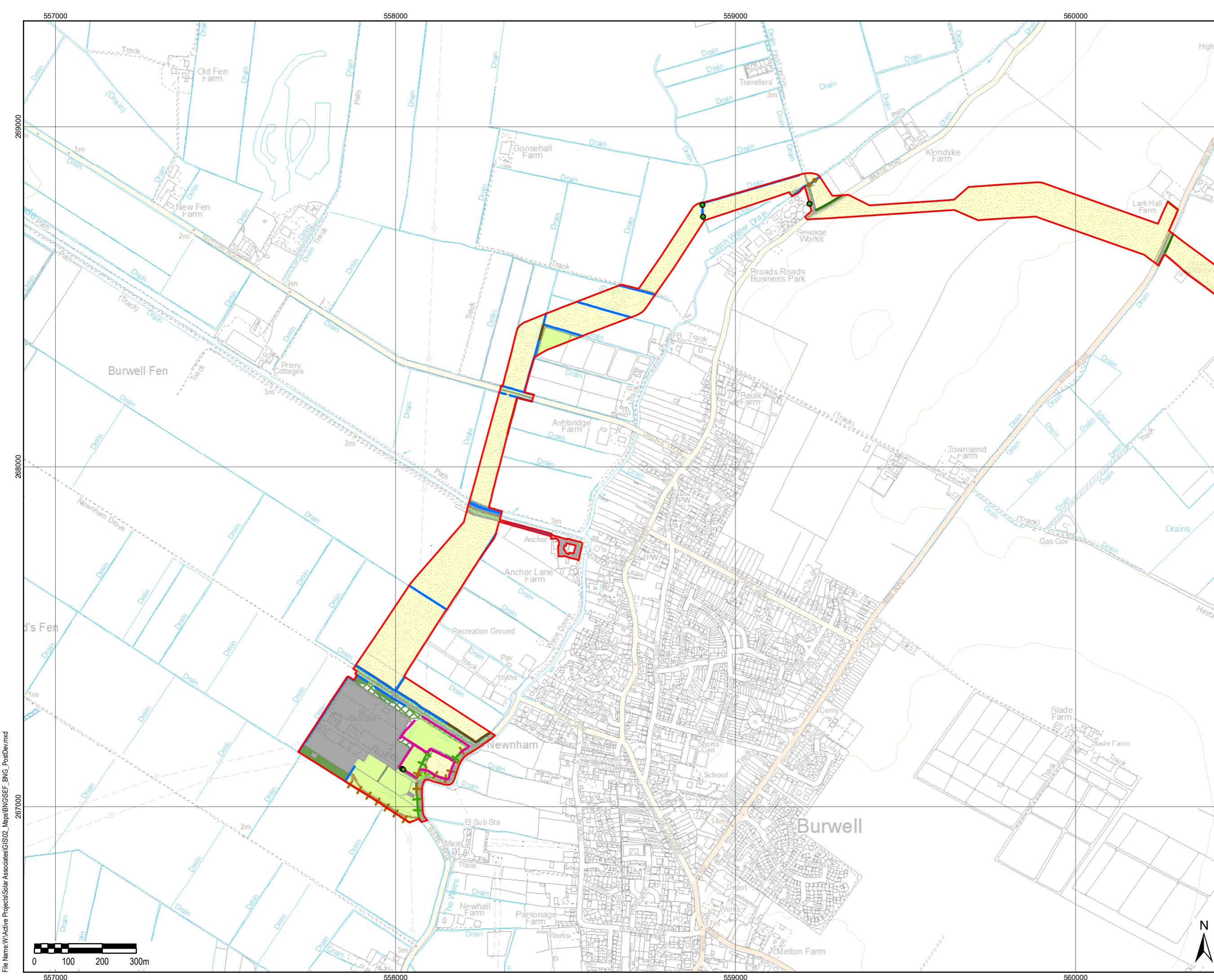
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Drawing Number FIGURE 2.8	Rev 0
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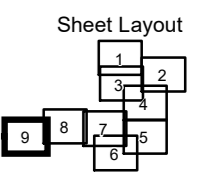


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- LEGEND**
- Order Limits
 - UK Habitat Description**
 - Other woodland; broadleaved
 - Lowland mixed deciduous woodland
 - Mixed scrub
 - Other neutral grassland
 - Modified grassland
 - Ruderal/Ephemeral
 - Cereal crops
 - Other rivers and streams
 - Vacant/derelict land/ bareground
 - Developed land; sealed surface
 - <all other values>
 - Line of trees; with ditch
 - Native hedgerow
 - Native hedgerow; with ditch
 - Native hedgerow with trees
 - Native hedgerow with trees; with ditch
 - Other rivers and streams
 - Urban tree



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Appendix D Natural England's Biodiversity Metric 3.1 Calculations

Metric 1 Within ECNRN

Headline Results

Return to
results menu

On-site baseline	<i>Habitat units</i>	1238.15
	<i>Hedgerow units</i>	0.00
	<i>River units</i>	0.00
On-site post-intervention (Including habitat retention, creation & enhancement)	<i>Habitat units</i>	1883.48
	<i>Hedgerow units</i>	0.00
	<i>River units</i>	0.00
On-site net % change (Including habitat retention, creation & enhancement)	<i>Habitat units</i>	52.12%
	<i>Hedgerow units</i>	0.00%
	<i>River units</i>	0.00%
Off-site baseline	<i>Habitat units</i>	0.00
	<i>Hedgerow units</i>	0.00
	<i>River units</i>	0.00
Off-site post-intervention (Including habitat retention, creation & enhancement)	<i>Habitat units</i>	0.00
	<i>Hedgerow units</i>	0.00
	<i>River units</i>	0.00
Total net unit change (including all on-site & off-site habitat retention, creation & enhancement)	<i>Habitat units</i>	645.34
	<i>Hedgerow units</i>	0.00
	<i>River units</i>	0.00
Total on-site net % change plus off-site surplus (including all on-site & off-site habitat retention, creation & enhancement)	<i>Habitat units</i>	52.12%
	<i>Hedgerow units</i>	0.00%
	<i>River units</i>	0.00%
Trading rules Satisfied?	Yes ✓	

Detailed Results

[Return to results menu](#)

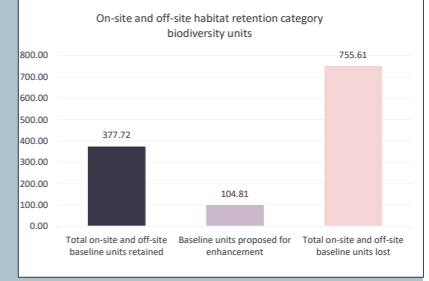
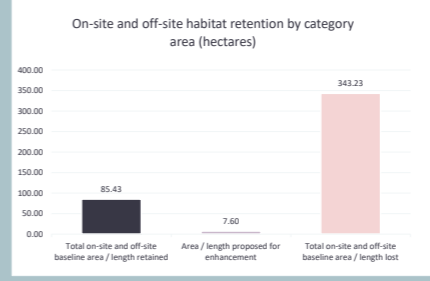
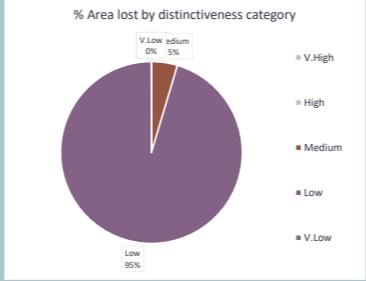
Summary Figures

Net project biodiversity units (including all on-site & off-site habitat retention/creation)	Habitat units	645.34	
	Hedgerow units	0.00	
	River units	0.00	
Total project biodiversity % change (including all On-site & Off-site Habitat Creation + Retained Habitats)	Habitat units	52.12%	
	Hedgerow units	0.00%	
	River units	0.00%	
Combined habitat retention and enhancement			
	Habitats	Hedgerows	Rivers
Total on-site and off-site baseline area / length	438.28	0.00	0.00
Total on-site and off-site baseline units	1238.15	0.00	0.00
Total on-site and off-site baseline area / length retained	85.43	0.00	0.00
Total on-site and off-site baseline units retained	377.72	0.00	0.00
Area / length proposed for enhancement	7.60	0.00	0.00
Baseline units proposed for enhancement	104.81	0.00	0.00
Total on-site and off-site baseline area / length lost	343.23	0.00	0.00
Total on-site and off-site baseline units lost	755.61	0.00	0.00

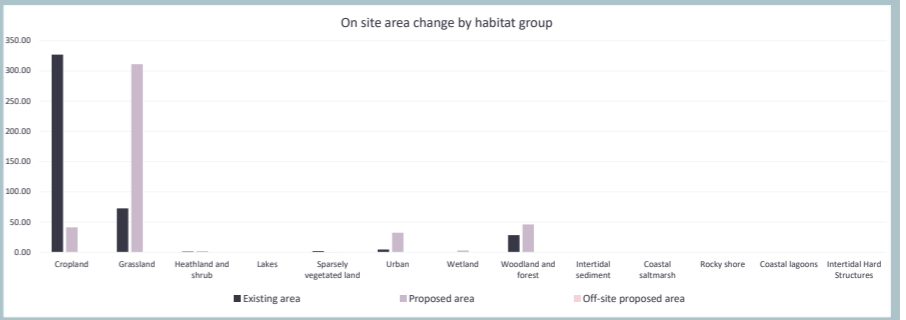
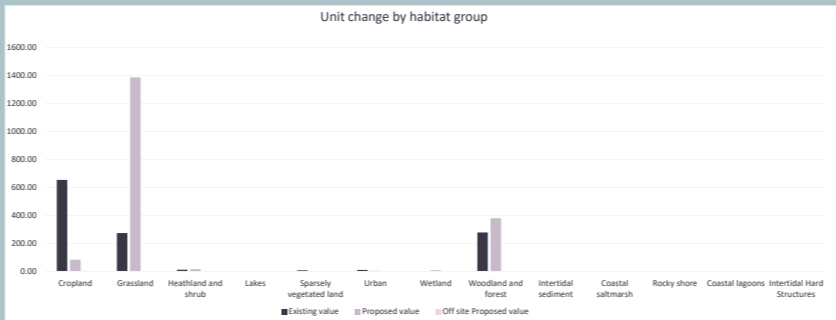
Area habitats

Habitat group	Baseline		Post development on site		Onsite Change	
	Existing area	Existing value	Proposed area	Proposed value	Area change	Onsite Unit change
Cropland	326.95	653.91	41.25	84.22	-285.71	-569.69
Grassland	72.69	273.86	311.10	1386.76	238.41	1112.90
Heathland and shrub	1.38	12.66	2.00	16.30	0.63	3.65
Lakes	0.00	0.00	0.00	0.00	0.00	0.00
Sparsely vegetated land	2.04	8.15	0.43	1.74	-1.60	-6.41
Urban	4.70	11.35	32.39	4.81	27.69	-6.54
Wetland	0.00	0.00	3.02	9.00	3.02	9.00
Woodland and forest	28.50	278.23	46.08	380.66	17.58	102.43
Intertidal sediment	0.00	0.00	0.00	0.00	0.00	0.00
Coastal saltmarsh	0.00	0.00	0.00	0.00	0.00	0.00
Rocky shore	0.00	0.00	0.00	0.00	0.00	0.00
Coastal lagoons	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal Hard Structures	0.00	0.00	0.00	0.00	0.00	0.00

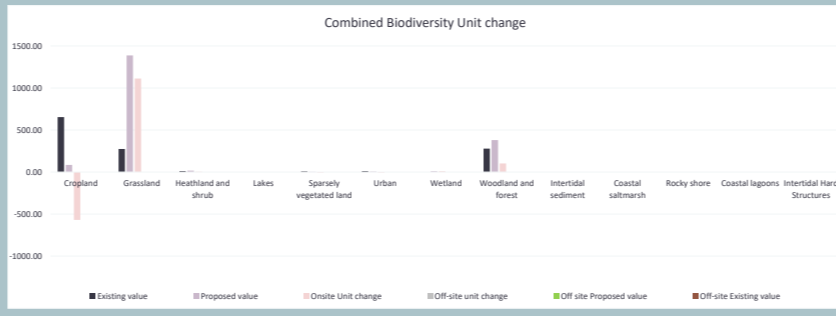
Category	Area lost (hectares)	Area lost (%)
V.High	0	0
High	0.01343767	0
Medium	18.81978203	5
Low	327.2721637	95
V.Low	0.125558844	0



Habitat group	Baseline		Post development Off-site		Off-site Change	
	Existing area	Off-site Existing value	Off-site proposed area	Off-site Proposed value	Off-site area change	Off-site unit change
Cropland	0.00	0.00	0.00	0.00	0.00	0.00
Grassland	0.00	0.00	0.00	0.00	0.00	0.00
Heathland and shrub	0.00	0.00	0.00	0.00	0.00	0.00
Lakes	0.00	0.00	0.00	0.00	0.00	0.00
Sparsely vegetated land	0.00	0.00	0.00	0.00	0.00	0.00
Urban	0.00	0.00	0.00	0.00	0.00	0.00
Wetland	0.00	0.00	0.00	0.00	0.00	0.00
Woodland and forest	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00	0.00	0.00	0.00
Coastal saltmarsh	0.00	0.00	0.00	0.00	0.00	0.00
Rocky shore	0.00	0.00	0.00	0.00	0.00	0.00
Coastal lagoons	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal Hard Structures	0.00	0.00	0.00	0.00	0.00	0.00



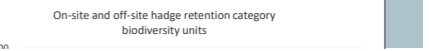
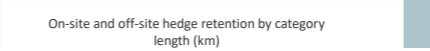
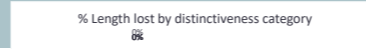
Habitat group	Baseline		On-site and Off-site post development		Combined change	
	Existing area	Existing value	Combined proposed area	Combined proposed value	Proposed area	Proposed value
Cropland	326.95	653.91	41.25	84.22	-285.71	-569.69
Grassland	72.69	273.86	311.10	1386.76	238.41	1112.90
Heathland and shrub	1.38	12.66	2.00	16.30	0.63	3.65
Lakes	0.00	0.00	0.00	0.00	0.00	0.00
Sparsely vegetated land	2.04	8.15	0.43	1.74	-1.60	-6.41
Urban	4.70	11.35	32.39	4.81	27.69	-6.54
Wetland	0.00	0.00	3.02	9.00	3.02	9.00
Woodland and forest	28.50	278.23	46.08	380.66	17.58	102.43
Intertidal sediment	0.00	0.00	0.00	0.00	0.00	0.00
Coastal saltmarsh	0.00	0.00	0.00	0.00	0.00	0.00
Rocky shore	0.00	0.00	0.00	0.00	0.00	0.00
Coastal lagoons	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal Hard Structures	0.00	0.00	0.00	0.00	0.00	0.00



Hedgerows and lines of trees

Habitat group	Baseline		Post development on site		Onsite Change	
	Existing area	Existing value	Proposed area	Proposed value	Area change	Onsite Unit change
Cropland	0.00	0.00	0.00	0.00	0.00	0.00
Grassland	0.00	0.00	0.00	0.00	0.00	0.00
Heathland and shrub	0.00	0.00	0.00	0.00	0.00	0.00
Lakes	0.00	0.00	0.00	0.00	0.00	0.00
Sparsely vegetated land	0.00	0.00	0.00	0.00	0.00	0.00
Urban	0.00	0.00	0.00	0.00	0.00	0.00
Wetland	0.00	0.00	0.00	0.00	0.00	0.00
Woodland and forest	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00	0.00	0.00	0.00
Coastal saltmarsh	0.00	0.00	0.00	0.00	0.00	0.00
Rocky shore	0.00	0.00	0.00	0.00	0.00	0.00
Coastal lagoons	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal Hard Structures	0.00	0.00	0.00	0.00	0.00	0.00

Category	Length lost (km)	Length lost (%)
V.High	0	0
High	0.00000000	0
Medium	0.00000000	0
Low	0.00000000	0
V.Low	0.00000000	0

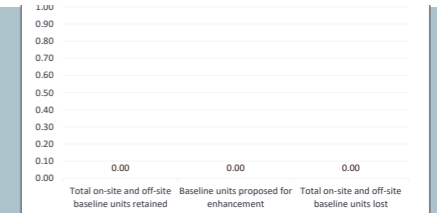
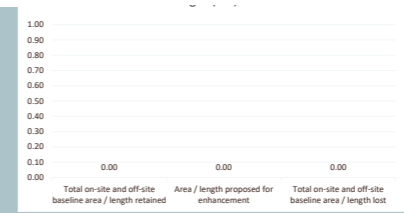


Rivers and Streams

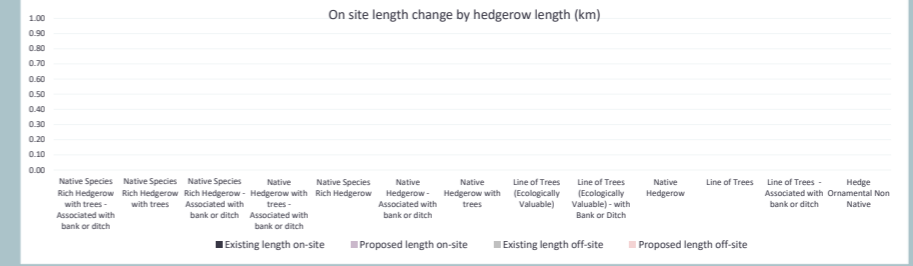
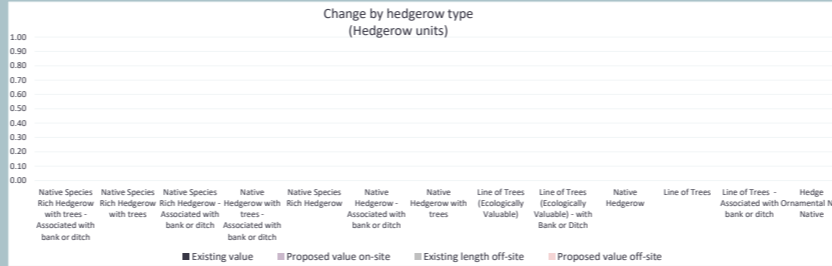
Hedgerow type	Existing length on-site	Existing value	Proposed length on-site	Proposed value on-site	On-site length change	On-site Unit change
Native Species Rich Hedgerow with trees - Associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native Species Rich Hedgerow with trees	0.00	0.00	0.00	0.00	0.00	0.00
Native Species Rich Hedgerow - Associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native Hedgerow with trees - Associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native Species Rich Hedgerow	0.00	0.00	0.00	0.00	0.00	0.00
Native Hedgerow - Associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native Hedgerow with trees	0.00	0.00	0.00	0.00	0.00	0.00
Line of Trees (Ecologically Valuable)	0.00	0.00	0.00	0.00	0.00	0.00
Line of Trees (Ecologically Valuable) - with Bank or Ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native Hedgerow	0.00	0.00	0.00	0.00	0.00	0.00
Line of Trees	0.00	0.00	0.00	0.00	0.00	0.00
Line of Trees - Associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Hedge Ornamental Non Native	0.00	0.00	0.00	0.00	0.00	0.00

Category	Length lost (KM)	Length lost (%)
V.High	0	
High	0	
Medium	0	
Low	0	
V.Low	0	

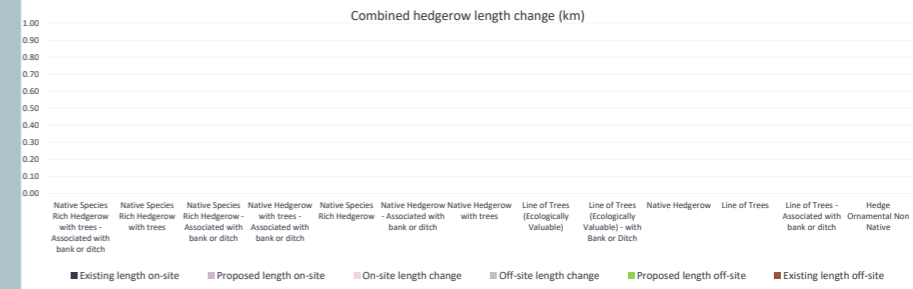
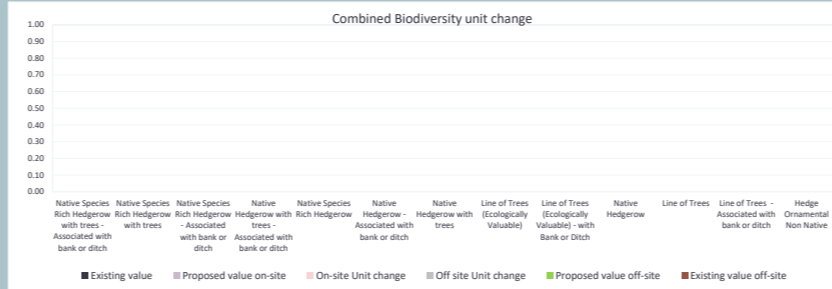
- V.High
- High
- Medium
- Low
- V.Low



Off site change by hedgerow type						
Hedgerow type	Off site baseline		Post development off site		Off site Change	
	Existing length off-site	Existing value off-site	Proposed length off-site	Proposed value off-site	Off-site length change	Off-site Unit change
Native Species Rich Hedgerow with trees - Associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native Species Rich Hedgerow with trees	0.00	0.00	0.00	0.00	0.00	0.00
Native Species Rich Hedgerow - Associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native Hedgerow with trees - Associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native Species Rich Hedgerow	0.00	0.00	0.00	0.00	0.00	0.00
Native Hedgerow - Associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native Hedgerow with trees	0.00	0.00	0.00	0.00	0.00	0.00
Line of Trees (Ecologically Valuable)	0.00	0.00	0.00	0.00	0.00	0.00
Line of Trees (Ecologically Valuable) - with Bank or Ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native Hedgerow	0.00	0.00	0.00	0.00	0.00	0.00
Line of Trees	0.00	0.00	0.00	0.00	0.00	0.00
Line of Trees - Associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Hedge Ornamental Non Native	0.00	0.00	0.00	0.00	0.00	0.00



Combined on and off site change by hedgerow type						
Hedgerow type	Baseline		Post development on site		Onsite Change	
	Existing length	Existing value	Proposed length	Proposed value	length change	Onsite Unit change
Native Species Rich Hedgerow with trees - Associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native Species Rich Hedgerow with trees	0.00	0.00	0.00	0.00	0.00	0.00
Native Species Rich Hedgerow - Associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native Hedgerow with trees - Associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native Species Rich Hedgerow	0.00	0.00	0.00	0.00	0.00	0.00
Native Hedgerow - Associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native Hedgerow with trees	0.00	0.00	0.00	0.00	0.00	0.00
Line of Trees (Ecologically Valuable)	0.00	0.00	0.00	0.00	0.00	0.00
Line of Trees (Ecologically Valuable) - with Bank or Ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native Hedgerow	0.00	0.00	0.00	0.00	0.00	0.00
Line of Trees	0.00	0.00	0.00	0.00	0.00	0.00
Line of Trees - Associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Hedge Ornamental Non Native	0.00	0.00	0.00	0.00	0.00	0.00

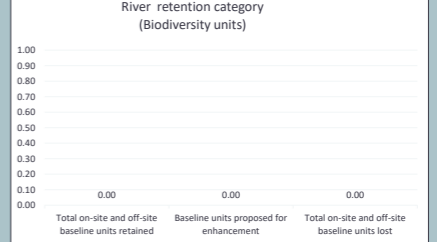
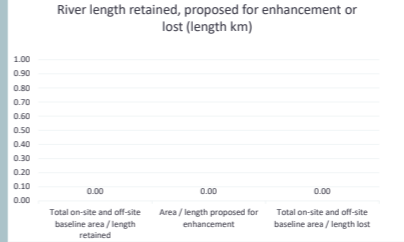


On site change by river type						
River type	Baseline		Post development on site		Onsite Change	
	Existing length	Existing value	Proposed length	Proposed value	length change	Onsite Unit change
Priority Habitat	0.0	0.0	0.0	0.0	0.0	0.0
Other Rivers and Streams	0.0	0.0	0.0	0.0	0.0	0.0
Ditches	0.0	0.0	0.0	0.0	0.0	0.0
Canals	0.0	0.0	0.0	0.0	0.0	0.0
Culvert	0.0	0.0	0.0	0.0	0.0	0.0

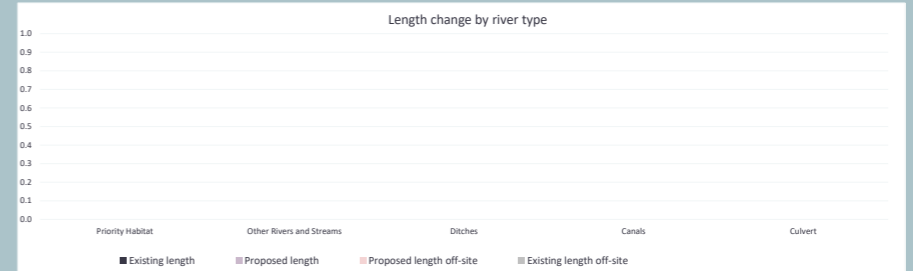
Combined length lost by distinctiveness band		
Category	Length lost (KM)	Length lost (%)
V.High	0	
High	0	
Medium	0	
Low	0	

% Length lost by d distinctiveness category

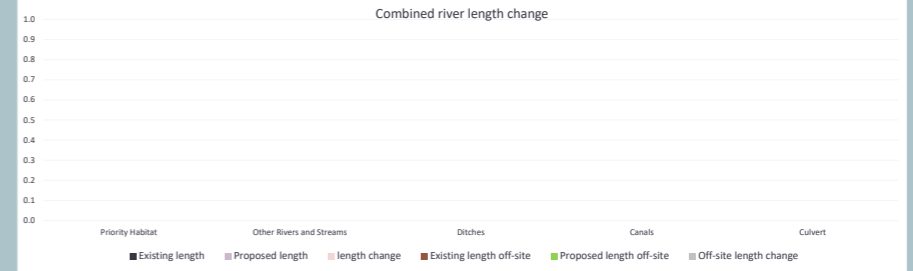
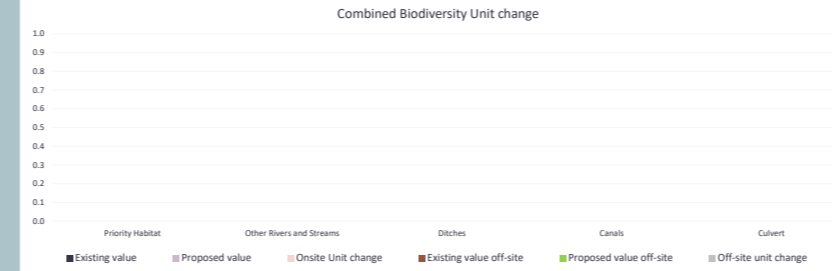
- V.High
- High
- Medium
- Low



Off site change by river type						
River type	Baseline		Post development off-site		Off-site Change	
	Existing length off-site	Existing value off-site	Proposed length off-site	Proposed value off-site	Off-site length change	Off-site unit change
Priority Habitat	0.0	0.0	0.0	0.0	0.0	0.0
Other Rivers and Streams	0.0	0.0	0.0	0.0	0.0	0.0
Ditches	0.0	0.0	0.0	0.0	0.0	0.0
Canals	0.0	0.0	0.0	0.0	0.0	0.0
Culvert	0.0	0.0	0.0	0.0	0.0	0.0



Combined on and off site change by river type						
River type	Baseline		Post development on site		Onsite Change	
	Existing length	Existing value	Proposed length	Proposed value	length change	Onsite Unit change
Priority Habitat	0.0	0.0	0.0	0.0	0.0	0.0
Other Rivers and Streams	0.0	0.0	0.0	0.0	0.0	0.0
Ditches	0.0	0.0	0.0	0.0	0.0	0.0
Canals	0.0	0.0	0.0	0.0	0.0	0.0
Culvert	0.0	0.0	0.0	0.0	0.0	0.0



Trading Summary

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Trading Summary

Distinctiveness Group	Trading Rule	Trading Satisfied?
Very High	Bespoke compensation likely to be required ✖	Yes ✓
High	Same habitat required =	Yes ✓
Medium	Same broad habitat or a higher distinctiveness habitat required (≥)	Yes ✓
Low	Same distinctiveness or better habitat required ≥	Yes ✓

Very High Distinctiveness

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 hay meadows	Grassland	0.00	0.00	0.00	
Heathland and shrub - Mountain heaths and willow scrub	Heathland and shrub	0.00	0.00	0.00	
Lakes - Aquifer fed naturally fluctuating water bodies	Lakes	0.00	0.00	0.00	
Sparsely vegetated land - Calaminarian grasslands	Sparsely vegetated land	0.00	0.00	0.00	
Sparsely vegetated land - Limestone pavement	Sparsely vegetated land	0.00	0.00	0.00	
Wetland - Blanket bog	Wetland	0.00	0.00	0.00	
Wetland - Depressions on Peat substrates (H7150)	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[1] (D2.1)	Wetland	0.00	0.00	0.00	
Wetland - Purple moor grass and rush pastures	Wetland	9.00	0.00	9.00	
Wetland - Transition mires and quaking bogs (H7140)	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 seagrass on peat, clay or chalk	Intertidal sediment	0.00	0.00	0.00	
		9.00	0.00	9.00	0.00

Very High Distinctiveness Summary

Very High Distinctiveness Units available to offset lower distinctiveness deficit	9.00
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High Distinctiveness

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 - Floodplain Wetland Mosaic (CFGM)	Grassland	0.00	0.00	0.00	
Grassland - Lowland calcareous grassland	Grassland	0.00	0.00	0.00	
Grassland - Tall herb communities (H6430)	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 - Sea buckthorn scrub (Annex 1)	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 - Marl 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 - Ponds (Priority Habitat)	Lakes	0.00	0.00	0.00	
Lakes - Temporary lakes, ponds and pools	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 shingle	Sparsely vegetated land	0.00	0.00	0.00	
Sparsely vegetated land - Inland 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 - Reedbeds	Wetland	0.00	0.00	0.00	
Woodland and forest - Felled	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	8.28	0.00	8.28	
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	

High Distinctiveness Summary

High Distinctiveness Units available to offset lower distinctiveness deficit	8.28
Unit Deficit; Like for like not satisfied	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 lagoons - Coastal lagoons	Coastal lagoons	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 - Saltmarshes and saline reedbeds	Coastal Saltmarsh	0.00	0.00	0.00	
Intertidal sediment - Littoral biogenic reefs - Mussels	Intertidal sediment	0.00	0.00	0.00	
Intertidal sediment - Littoral biogenic reefs - Sabellaria	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	
		8.28	0.00	8.28	0.00

Medium Distinctiveness					
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 game bird mix	Cropland	3.15	0.00	3.15	3.15
Cropland - Arable field margins pollen & nectar	Cropland	0.00	0.00	0.00	
Cropland - Arable field margins tussocky	Cropland	0.00	0.00	0.00	
Grassland - Other lowland acid grassland	Grassland	580.33	0.00	580.33	
Grassland - Other neutral grassland	Grassland	-90.62	0.00	-90.62	489.71
Grassland - Upland acid 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 - Hazel scrub	Heathland and shrub	0.00	0.00	0.00	
Heathland and shrub - Mixed scrub	Heathland and shrub	3.65	0.00	3.65	3.65
Lakes - Ponds (Non- Priority Habitat)	Lakes	0.00	0.00	0.00	
Lakes - Reservoirs	Lakes	0.00	0.00	0.00	0.00
Sparsely vegetated land - Other inland rock and scree	Sparsely vegetated land	0.00	0.00	0.00	0.00
Urban - Cemeteries and churchyards	Urban	0.00	0.00	0.00	
Urban - Biodiverse green roof	Urban	0.00	0.00	0.00	0.00
Urban - Urban Tree	Urban	0.00	0.00	0.00	
Woodland and forest - Other Scot's Pine woodland	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Other woodland; broadleaved	Woodland and forest	94.80	0.00	94.80	94.32
Woodland and forest - Other woodland; mixed	Woodland and forest	-0.48	0.00	-0.48	
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 (IGGI)	Intertidal	0.00	0.00	0.00	
		590.82	0.00	590.82	

Medium Distinctiveness Summary	
Medium Distinctiveness Units available to offset lower distinctiveness deficit	590.82
Medium Distinctiveness Broad Habitat Deficit to be offset by trading up	0.00
Higher distinctiveness surplus units minus Medium Distinctiveness Broad Habitat Deficit	17.28
Cumulative surplus of units	608.09

Low Distinctiveness					
Habitat group	Group	On site unit change	Off Site Unit Change	Project wide unit change	
Cropland - Cereal crops	Cropland	-572.84	0.00	-572.84	
Cropland - Horticulture	Cropland	0.00	0.00	0.00	
Cropland - Intensive orchards	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 - Cereal crops winter stubble	Cropland	0.00	0.00	0.00	
Grassland - Modified grassland	Grassland	623.19	0.00	623.19	
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 - Ruderal/Ephemeral	Sparsely vegetated land	-6.41	0.00	-6.41	

Low Distinctiveness Summary	
Low Distinctiveness Net Change in Units	37.24
Cumulative surplus of units	645.34

Urban - Bioswale	Sparsely vegetated land	0.00	0.00	0.00
Urban - Allotments	Urban	0.00	0.00	0.00
Urban - Facade-bound 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 - Introduced shrub	Urban	0.00	0.00	0.00
Urban - Rain garden	Urban	0.00	0.00	0.00
Urban - Actively worked sand pit quarry or open cast mine	Urban	0.00	0.00	0.00
Urban - Sustainable urban drainage feature	Urban	0.00	0.00	0.00
Urban - Vacant/derelict land/ bareground	Urban	-6.54	0.00	-6.54
Urban - Vegetated garden	Urban	0.00	0.00	0.00
Woodland and forest - Other coniferous woodland	Woodland and forest	-0.16	0.00	-0.16
Coastal saltmarsh - Artificial saltmarshes and saline reedbeds	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 seagrass	Intertidal sediment	0.00	0.00	0.00
Intertidal sediment - Artificial littoral biogenic reefs	Intertidal sediment	0.00	0.00	0.00
Intertidal Hard Structures - Artificial hard structures	Intertidal	0.00	0.00	0.00
Intertidal Hard Structures - Artificial features of hard structures	Intertidal	0.00	0.00	0.00
Heathland and shrub - Sea buckthorn scrub (other)	Heathland and shrub	0.00	0.00	0.00
		37.24		37.24

A-1 Site Habitat Baseline

Ref	Habitats and areas		Distinctiveness		Condition		Strategic significance			Suggested action to address habitat losses	Ecological baseline Total habitat units	Retention category biodiversity value					Bespoke compensation agreed for unacceptable losses	Comments			
	Broad Habitat	Habitat Type	Area (hectares)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance multiplier			Area retained	Area enhanced	Baseline units retained	Baseline units enhanced	Area habitat lost		Units lost	Assessor comments	Reviewer comments	
1	Cropland	Cereal crops	22.25583901	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	44.51	22.25584	44.51	0.00	0.00	0.00	0.00	0.00	Within East Cambe NRN and Cable Route East, AF	
2	Cropland	Cereal crops	17.49696697	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	34.99	17.49697	34.99	0.00	0.00	0.00	0.00	0.00	Within East Cambe NRN and Cable Route West	
3	Cropland	Cereal crops	25.32825445	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	50.66		0.00	0.00	25.33	50.66	0.00	0.00	Within East Cambe NRN and ECOS	
4	Cropland	Cereal crops	0.787215725	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	1.57	0.784078	1.57	0.00	0.00	0.00	0.01	0.00	Within East Cambe NRN and Fringe habitats and site fabric outside of parcel references	
5	Cropland	Cereal crops	24.30353864	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	48.61		0.00	0.00	24.30	48.61	0.00	0.00	Within East Cambe NRN and W04	
6	Cropland	Cereal crops	32.91948896	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	65.84		0.00	0.00	32.92	65.84	0.00	0.00	Within East Cambe NRN and W05	
7	Cropland	Cereal crops	23.79275922	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	47.58		0.00	0.00	23.79	47.59	0.00	0.00	Within East Cambe NRN and W06, AF15	
8	Cropland	Cereal crops	29.89789018	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	59.80		0.00	0.00	29.50	59.80	0.00	0.00	Within East Cambe NRN and W07	
9	Cropland	Cereal crops	24.34280625	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	48.69		0.00	0.00	24.34	48.69	0.00	0.00	Within East Cambe NRN and W08	
10	Cropland	Cereal crops	10.08747099	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	20.17		0.00	0.00	10.09	20.17	0.00	0.00	Within East Cambe NRN and W09, AF11	
11	Cropland	Cereal crops	21.12865701	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	42.26		0.00	0.00	21.13	42.26	0.00	0.00	Within East Cambe NRN and W10	
12	Cropland	Cereal crops	16.75774188	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	33.52		0.00	0.00	16.76	33.52	0.00	0.00	Within East Cambe NRN and W11	
13	Cropland	Cereal crops	20.66340453	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	41.33		0.00	0.00	20.66	41.33	0.00	0.00	Within East Cambe NRN and W12	
14	Cropland	Cereal crops	45.15078548	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	90.30		0.00	0.00	45.15	90.30	0.00	0.00	Within East Cambe NRN and W15 AF13	
15	Cropland	Cereal crops	12.04204685	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	24.08		0.00	0.00	12.04	24.08	0.00	0.00	Within East Cambe NRN and W17	
16	Urban	Developed land, sealed surface	0.609179002	V.Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Compensation Not Required	0.00	0.609179	0.00	0.00	0.00	0.00	0.00	0.00	Within East Cambe NRN and Cable Route East	
17	Urban	Developed land, sealed surface	0.126921966	V.Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Compensation Not Required	0.00	0.126913	0.00	0.00	0.00	0.00	0.00	0.00	Within East Cambe NRN and Cable Route West	
18	Urban	Developed land, sealed surface	0.538622204	V.Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Compensation Not Required	0.00	0.538622	0.00	0.00	0.00	0.00	0.00	0.00	Within East Cambe NRN and Fringe habitats and site fabric outside of parcel references	
19	Urban	Developed land, sealed surface	0.180251949	V.Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Compensation Not Required	0.00	0.180252	0.00	0.00	0.00	0.00	0.00	0.00	Within East Cambe NRN and W07	
20	Urban	Developed land, sealed surface	0.210347937	V.Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Compensation Not Required	0.00	0.204534	0.00	0.00	0.01	0.00	0.00	0.00	Within East Cambe NRN and W09	
21	Urban	Developed land, sealed surface	0.197882218	V.Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Compensation Not Required	0.00	0.078149	0.00	0.00	0.12	0.00	0.00	0.00	Within East Cambe NRN and W12	
22	Woodland and forest	Lowland mixed deciduous woodland	0.531228822	High	6	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same habitat required =	7.33	0.53122882	0.00	7.33	0.00	0.00	0.00	0.00	Within East Cambe NRN and Cable Route East	
23	Woodland and forest	Lowland mixed deciduous woodland	0.574306716	High	6	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same habitat required =	7.93	0.57430672	0.00	7.93	0.00	0.00	0.00	0.00	Within East Cambe NRN and Cable Route West	
24	Woodland and forest	Lowland mixed deciduous woodland	0.12477433	High	6	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same habitat required =	1.72	0.12478213	0.00	1.72	0.00	0.00	0.00	0.00	Within East Cambe NRN and ECOS	
25	Woodland and forest	Lowland mixed deciduous woodland	0.678840188	High	6	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same habitat required =	9.37	0.67884017	0.00	9.37	0.00	0.00	0.00	0.00	Within East Cambe NRN and W03	
26	Woodland and forest	Lowland mixed deciduous woodland	3.865782083	High	6	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same habitat required =	53.35		3.85235685	0.00	53.16	0.01	0.19	0.00	Within East Cambe NRN and W04	
27	Woodland and forest	Lowland mixed deciduous woodland	1.71099626	High	6	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same habitat required =	23.61		1.71099602	0.00	23.61	0.00	0.00	0.00	Within East Cambe NRN and W05	
28	Woodland and forest	Lowland mixed deciduous woodland	0.093971611	High	6	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same habitat required =	1.30		0.09397161	0.00	1.30	0.00	0.00	0.00	Within East Cambe NRN and W06	
29	Woodland and forest	Lowland mixed deciduous woodland	0.028546024	High	6	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same habitat required =	0.39		0.02854602	0.00	0.39	0.00	0.00	0.00	Within East Cambe NRN and W11	
30	Heathland and shrub	Mixed scrub	1.160894125	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required (2)	10.68	1.160894	10.68	0.00	0.00	0.00	0.00	0.00	Within East Cambe NRN and Cable Route West	
31	Heathland and shrub	Mixed scrub	0.214699044	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required (2)	1.98		0.00	0.00	0.21	1.98	0.00	0.00	Within East Cambe NRN and W04	
32	Grassland	Modified grassland	3.117649456	Low	2	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	6.24	3.117649	6.24	0.00	0.00	0.00	0.00	0.00	Within East Cambe NRN and Cable Route East	
33	Grassland	Modified grassland	5.517490667	Low	2	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	11.03	5.517461	11.03	0.00	0.00	0.00	0.00	0.00	Within East Cambe NRN and Cable Route West	
34	Grassland	Modified grassland	0.332183403	Low	2	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	0.66	0.332179	0.66	0.00	0.00	0.00	0.00	0.00	Within East Cambe NRN and Fringe habitats and site fabric outside of parcel references	
35	Grassland	Modified grassland	34.7725352	Low	2	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	69.55		0.00	0.00	34.77	69.55	0.00	0.00	Within East Cambe NRN and W03	
36	Grassland	Modified grassland	0.726013304	Low	2	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	1.45		0.00	0.00	0.73	1.45	0.00	0.00	Within East Cambe NRN and W08	
37	Grassland	Modified grassland	1.340935117	Low	2	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	2.68		0.00	0.00	1.34	2.68	0.00	0.00	Within East Cambe NRN and W10	
38	Grassland	Modified grassland	0.02773503	Low	2	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	0.06		0.00	0.00	0.03	0.06	0.00	0.00	Within East Cambe NRN and W11	
39	Grassland	Modified grassland	0.049490064	Low	2	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	0.10		0.00	0.00	0.05	0.10	0.00	0.00	Within East Cambe NRN and W12	
40	Grassland	Modified grassland	0.66410964	Low	2	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	1.33		0.00	0.00	0.66	1.33	0.00	0.00	Within East Cambe NRN and W15	
41	Woodland and forest	Other coniferous woodland	1.067048124	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required ≥	4.91	1.067048	4.91	0.00	0.00	0.00	0.00	0.00	Within East Cambe NRN and W03	
42	Woodland and forest	Other coniferous woodland	1.40545277	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required ≥	6.47	1.390181	6.39	0.00	0.02	0.07	0.07	0.00	Within East Cambe NRN and W05	
43	Woodland and forest	Other coniferous woodland	1.650868471	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required ≥	7.59	1.630638	7.50	0.00	0.02	0.09	0.09	0.00	Within East Cambe NRN and W07	
44	Grassland	Other lowland acid grassland	0.053810052	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required (2)	0.50	0.05381	0.50	0.00	0.00	0.00	0.00	0.00	Within East Cambe NRN and Cable Route West	
45	Grassland	Other neutral grassland	1.213047736	Medium	4	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required (2)	5.58	1.213048	5.58	0.00	0.00	0.00	0.00	0.00	Within East Cambe NRN and Cable Route East	
46	Grassland	Other neutral grassland	0.378006612	Medium	4	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required (2)	1.74	0.378007	1.74	0.00	0.00	0.00	0.00	0.00	Within East Cambe NRN and Cable Route West	
47	Grassland	Other neutral grassland	8.497226505	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required (2)	78.17	8.497227	78.17	0.00	0.00	0.00	0.00	0.00	Within East Cambe NRN and Cable Route West	
48	Grassland	Other neutral grassland	0.859928127	Medium	4	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required (2)	3.96		0.00	0.00	0.86	3.96	0.00	0.00	Within East Cambe NRN and ECOS	
49	Grassland	Other neutral grassland	0.221613156	Medium	4	Good	3	Formally identified in local strategy	High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required (2)	3.06	0.160425	2.21	0.00	0.06	0.84	0.84	0.00	Within East Cambe NRN and Fringe habitats and site fabric outside of parcel references	
50	Grassland	Other neutral grassland	0.42430692	Medium	4	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required (2)	1.95	0.421284	1.94	0.00	0.00	0.01	0.01	0.00	Within East Cambe NRN and Fringe habitats and site fabric outside of parcel references	
51	Grassland	Other neutral grassland	1.383712504	Medium	4	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required (2)	6.37		0.00	0.00	1.38	6.37	0.00	0.00	Within East Cambe NRN and W03	
52	Grassland	Other neutral grassland	1.73331148	Medium	4	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required (2)	7.97		0.00	0.00	1.73	7.97	0.00	0.00	Within East Cambe NRN and W04	
53	Grassland	Other neutral grassland	0.481350952	Medium	4	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required (2)	2.21		0.00	0.00	0.48	2.21	0.00	0.00	Within East Cambe NRN and W05	
54	Grassland	Other neutral grassland	0.746001109	Medium	4	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required (2)	3.43		0.00	0.00	0.75	3.43	0.00	0.00	Within East Cambe NRN and W06	

A-2 Site Habitat Creation

A-3 Site Habitat Enhancement

Metric 2 Outside ECNRN

Headline Results

SUNNICA

Headline Results

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On-site baseline	<i>Habitat units</i>	1812.80
	<i>Hedgerow units</i>	0.00
	<i>River units</i>	0.00
On-site post-intervention <small>(Including habitat retention, creation & enhancement)</small>	<i>Habitat units</i>	2309.96
	<i>Hedgerow units</i>	0.00
	<i>River units</i>	0.00
On-site net % change <small>(Including habitat retention, creation & enhancement)</small>	<i>Habitat units</i>	27.43%
	<i>Hedgerow units</i>	0.00%
	<i>River units</i>	0.00%
Off-site baseline	<i>Habitat units</i>	0.00
	<i>Hedgerow units</i>	0.00
	<i>River units</i>	0.00
Off-site post-intervention <small>(Including habitat retention, creation & enhancement)</small>	<i>Habitat units</i>	0.00
	<i>Hedgerow units</i>	0.00
	<i>River units</i>	0.00
Total net unit change <small>(including all on-site & off-site habitat retention, creation & enhancement)</small>	<i>Habitat units</i>	497.16
	<i>Hedgerow units</i>	0.00
	<i>River units</i>	0.00
Total on-site net % change plus off-site surplus <small>(including all on-site & off-site habitat retention, creation & enhancement)</small>	<i>Habitat units</i>	27.43%
	<i>Hedgerow units</i>	0.00%
	<i>River units</i>	0.00%
Trading rules Satisfied?	Yes ✓	

Detailed Results

Summary Figures

Net project biodiversity units (including all on-site & off-site habitat retention/creation)	Habitat units	497.16				
	Hedgerow units	0.00				
	River units	0.00				
Total project biodiversity % change (including all On-site & Off-site Habitat Creation + Retained Habitats)	Habitat units	27.43%				
	Hedgerow units	0.00%				
	River units	0.00%				
Combined habitat retention and enhancement						
Total on-site and off-site baseline area / length	Habitats	621.31	Hedgerows	0.00	Rivers	0.00
Total on-site and off-site baseline units	1812.80	0.00	0.00			
Total on-site and off-site baseline area / length retained	102.30	0.00	0.00			
Total on-site and off-site baseline units retained	464.85	0.00	0.00			
Area / length proposed for enhancement	2.08	0.00	0.00			
Baseline units proposed for enhancement	27.46	0.00	0.00			
Total on-site and off-site baseline area / length lost	516.93	0.00	0.00			
Total on-site and off-site baseline units lost	1320.49	0.00	0.00			

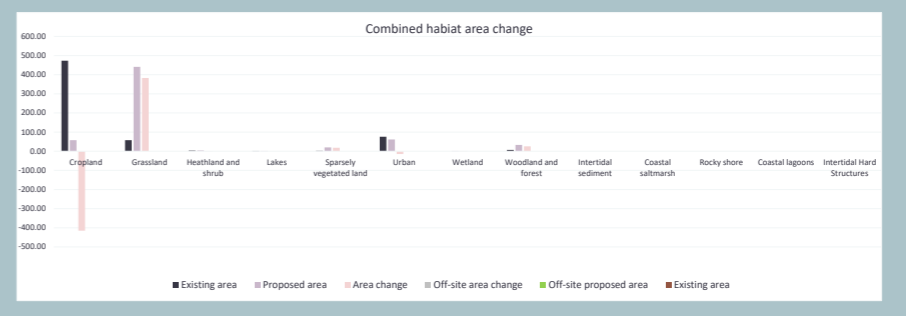
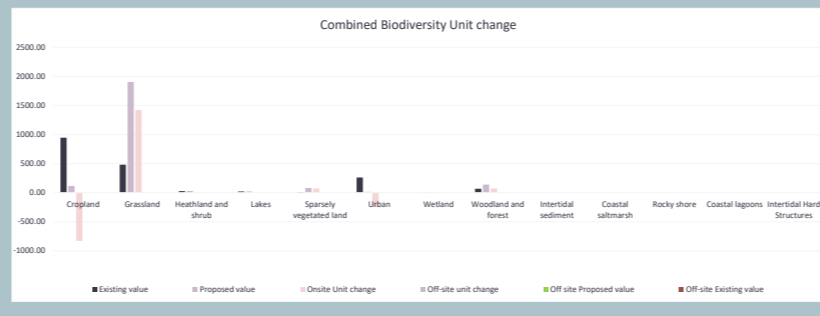
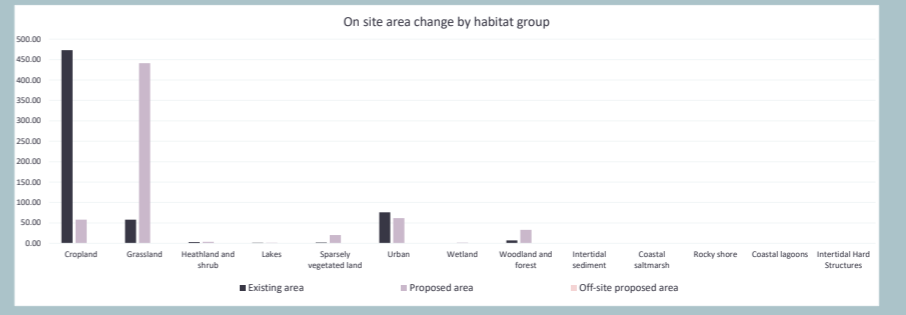
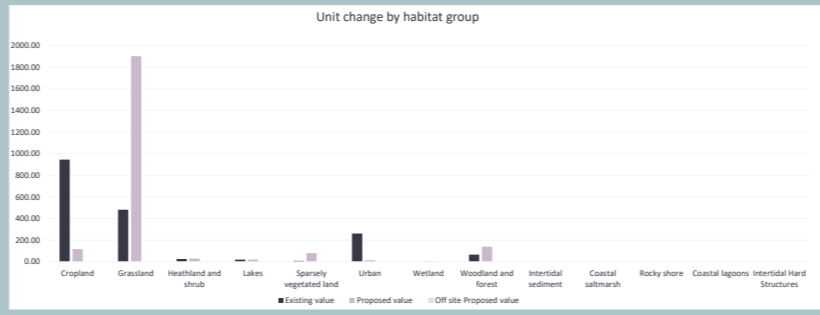
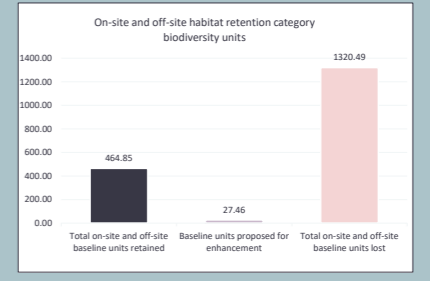
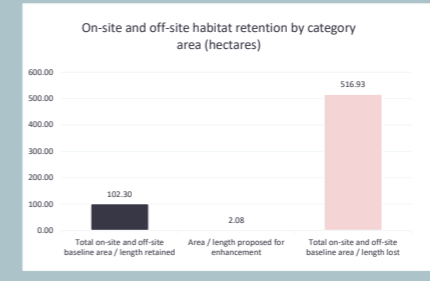
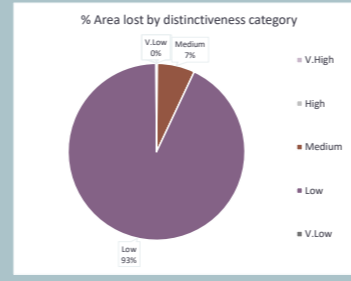
Area habitats

On site change by broad habitat type						
Habitat group	Baseline		Post development on site		Onsite Change	
	Existing area	Existing value	Proposed area	Proposed value	Area change	Onsite Unit change
Cropland	472.99	945.98	58.05	117.06	-414.93	-828.92
Grassland	57.97	482.17	441.08	1903.00	383.10	1420.83
Heathland and shrub	3.30	26.43	3.71	29.10	0.41	2.67
Lakes	1.58	20.81	1.58	20.81	0.00	0.00
Sparsely vegetated land	2.10	8.41	20.20	79.88	18.10	71.46
Urban	76.05	261.79	61.74	14.72	-14.31	-247.07
Wetland	0.00	0.00	1.81	5.16	1.81	5.16
Woodland and forest	7.32	67.20	33.14	140.24	25.82	73.03
Intertidal sediment	0.00	0.00	0.00	0.00	0.00	0.00
Coastal saltmarsh	0.00	0.00	0.00	0.00	0.00	0.00
Rocky shore	0.00	0.00	0.00	0.00	0.00	0.00
Coastal lagoons	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal Hard Structures	0.00	0.00	0.00	0.00	0.00	0.00

Off site change by broad habitat type						
Habitat group	Baseline		Post development Off-site		Off-site Change	
	Existing area	Off-site Existing value	Off-site proposed area	Off-site Proposed value	Off-site area change	Off-site unit change
Cropland	0.00	0.00	0.00	0.00	0.00	0.00
Grassland	0.00	0.00	0.00	0.00	0.00	0.00
Heathland and shrub	0.00	0.00	0.00	0.00	0.00	0.00
Lakes	0.00	0.00	0.00	0.00	0.00	0.00
Sparsely vegetated land	0.00	0.00	0.00	0.00	0.00	0.00
Urban	0.00	0.00	0.00	0.00	0.00	0.00
Wetland	0.00	0.00	0.00	0.00	0.00	0.00
Woodland and forest	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00	0.00	0.00	0.00
Coastal saltmarsh	0.00	0.00	0.00	0.00	0.00	0.00
Rocky shore	0.00	0.00	0.00	0.00	0.00	0.00
Coastal lagoons	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal Hard Structures	0.00	0.00	0.00	0.00	0.00	0.00

Combined on site and off site change by broad habitat type						
Habitat group	Baseline		On-site and Off-site post development		Combined change	
	Existing area	Existing value	Combined proposed area	Combined proposed value	Proposed area	Proposed value
Cropland	472.99	945.98	58.05	117.06	-414.93	-828.92
Grassland	57.97	482.17	441.08	1903.00	383.10	1420.83
Heathland and shrub	3.30	26.43	3.71	29.10	0.41	2.67
Lakes	1.58	20.81	1.58	20.81	0.00	0.00
Sparsely vegetated land	2.10	8.41	20.20	79.88	18.10	71.46
Urban	76.05	261.79	61.74	14.72	-14.31	-247.07
Wetland	0.00	0.00	1.81	5.16	1.81	5.16
Woodland and forest	7.32	67.20	33.14	140.24	25.82	73.03
Intertidal sediment	0.00	0.00	0.00	0.00	0.00	0.00
Coastal saltmarsh	0.00	0.00	0.00	0.00	0.00	0.00
Rocky shore	0.00	0.00	0.00	0.00	0.00	0.00
Coastal lagoons	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal Hard Structures	0.00	0.00	0.00	0.00	0.00	0.00

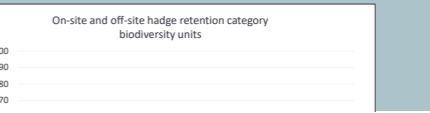
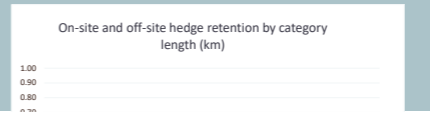
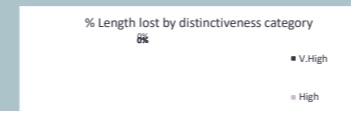
Combined area lost by distinctiveness band		
Category	Area lost (hectares)	Area lost (%)
V.High	0	0
High	0.942042069	0
Medium	38.38994244	7
Low	480.1847194	93
V.Low	0.638281941	0



Hedgerows and lines of trees

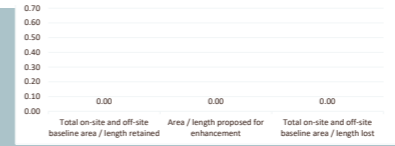
On site change by hedgerow type					
Hedgerow type	Baseline		Post development on site		Onsite Change
	Existing length on-site	Existing value	Proposed length on-site	Proposed value on-site	On-site Unit change
Native Species Rich Hedgerow with trees - Associated with bank or ditch	0.00	0.00	0.00	0.00	0.00

Combined length lost by distinctiveness band		
Category	Length lost (KM)	Length lost (%)
V.High	0	0
High	0	0
Medium	0	0
Low	0	0
V.Low	0	0

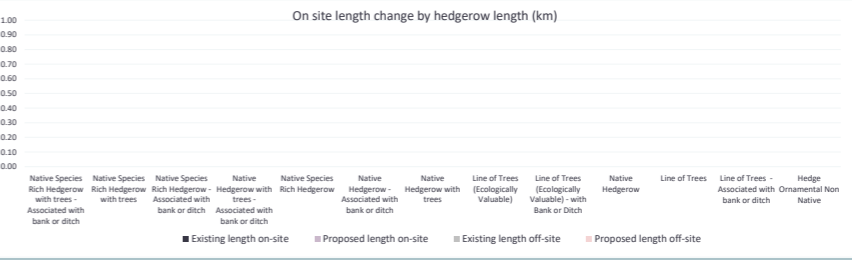
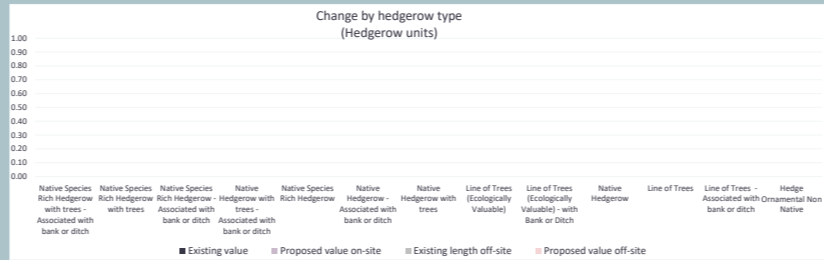


Native Species Rich Hedgerow with trees	0.00	0.00	0.00	0.00	0.00	0.00
Native Species Rich Hedgerow - Associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native Hedgerow with trees - Associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native Species Rich Hedgerow	0.00	0.00	0.00	0.00	0.00	0.00
Native Hedgerow - Associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native Hedgerow with trees	0.00	0.00	0.00	0.00	0.00	0.00
Line of Trees (Ecologically Valuable)	0.00	0.00	0.00	0.00	0.00	0.00
Line of Trees (Ecologically Valuable) - with Bank or Ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native Hedgerow	0.00	0.00	0.00	0.00	0.00	0.00
Line of Trees	0.00	0.00	0.00	0.00	0.00	0.00
Line of Trees - Associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Hedge Ornamental Non Native	0.00	0.00	0.00	0.00	0.00	0.00

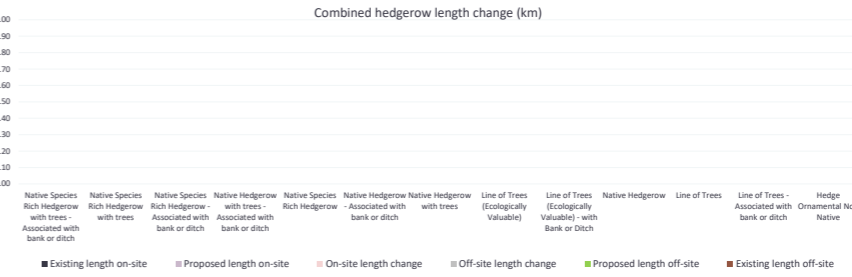
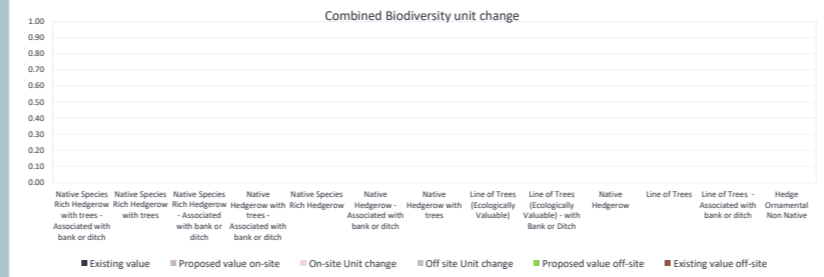
V.High	0	
High	0	
Medium	0	
Low	0	
V.Low	0	



Off site change by hedgerow type						
Hedgerow type	Off site baseline		Post development off site		Off site Change	
	Existing length off-site	Existing value off-site	Proposed length off-site	Proposed value off-site	Off-site length change	Off site Unit change
Native Species Rich Hedgerow with trees - Associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native Species Rich Hedgerow with trees	0.00	0.00	0.00	0.00	0.00	0.00
Native Species Rich Hedgerow - Associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native Hedgerow with trees - Associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native Species Rich Hedgerow	0.00	0.00	0.00	0.00	0.00	0.00
Native Hedgerow - Associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native Hedgerow with trees	0.00	0.00	0.00	0.00	0.00	0.00
Line of Trees (Ecologically Valuable)	0.00	0.00	0.00	0.00	0.00	0.00
Line of Trees (Ecologically Valuable) - with Bank or Ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native Hedgerow	0.00	0.00	0.00	0.00	0.00	0.00
Line of Trees	0.00	0.00	0.00	0.00	0.00	0.00
Line of Trees - Associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Hedge Ornamental Non Native	0.00	0.00	0.00	0.00	0.00	0.00



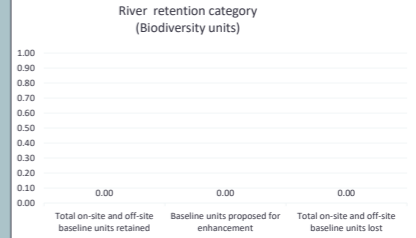
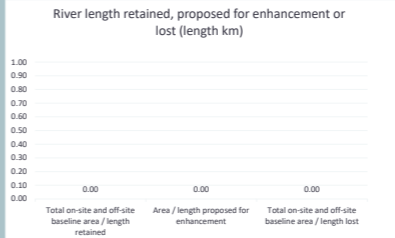
Combined on and off site change by hedgerow type						
Hedgerow type	Baseline		Post development on site		Onsite Change	
	Existing length	Existing value	Proposed length	Proposed value	length change	Onsite Unit change
Native Species Rich Hedgerow with trees - Associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native Species Rich Hedgerow with trees	0.00	0.00	0.00	0.00	0.00	0.00
Native Species Rich Hedgerow - Associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native Hedgerow with trees - Associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native Species Rich Hedgerow	0.00	0.00	0.00	0.00	0.00	0.00
Native Hedgerow - Associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native Hedgerow with trees	0.00	0.00	0.00	0.00	0.00	0.00
Line of Trees (Ecologically Valuable)	0.00	0.00	0.00	0.00	0.00	0.00
Line of Trees (Ecologically Valuable) - with Bank or Ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native Hedgerow	0.00	0.00	0.00	0.00	0.00	0.00
Line of Trees	0.00	0.00	0.00	0.00	0.00	0.00
Line of Trees - Associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Hedge Ornamental Non Native	0.00	0.00	0.00	0.00	0.00	0.00



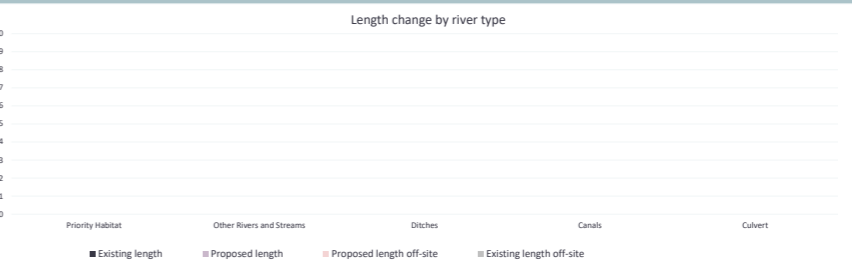
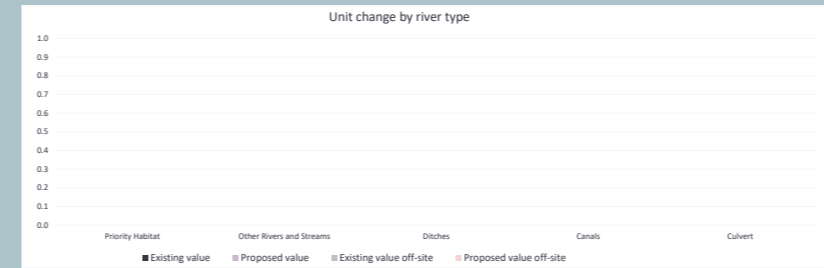
Rivers and Streams

On site change by river type						
River type	Baseline		Post development on site		Onsite Change	
	Existing length	Existing value	Proposed length	Proposed value	length change	Onsite Unit change
Priority Habitat	0.0	0.0	0.0	0.0	0.0	0.0
Other Rivers and Streams	0.0	0.0	0.0	0.0	0.0	0.0
Ditches	0.0	0.0	0.0	0.0	0.0	0.0
Canals	0.0	0.0	0.0	0.0	0.0	0.0
Culvert	0.0	0.0	0.0	0.0	0.0	0.0

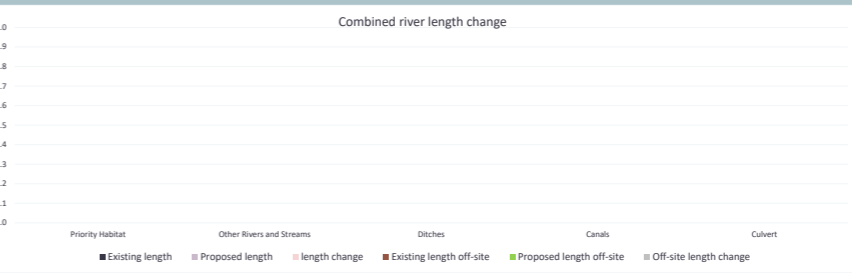
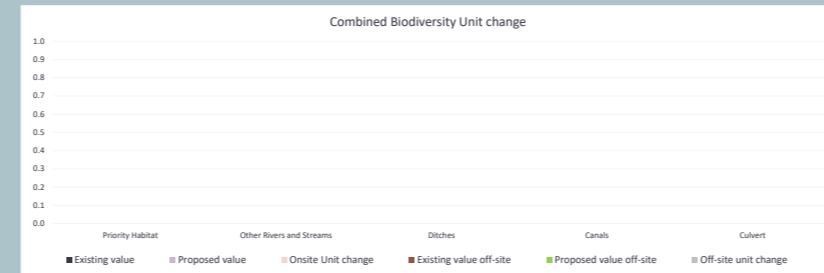
Combined length lost by distinctiveness band		
Category	Length lost (KM)	Length lost (%)
V.High	0	
High	0	
Medium	0	
Low	0	



Off site change by river type						
River type	Baseline		Post development off-site		Off-site Change	
	Existing length off-site	Existing value off-site	Proposed length off-site	Proposed value off-site	Off-site length change	Off-site unit change
Priority Habitat	0.0	0.0	0.0	0.0	0.0	0.0
Other Rivers and Streams	0.0	0.0	0.0	0.0	0.0	0.0
Ditches	0.0	0.0	0.0	0.0	0.0	0.0
Canals	0.0	0.0	0.0	0.0	0.0	0.0
Culvert	0.0	0.0	0.0	0.0	0.0	0.0



Combined on and off site change by river type						
River type	Baseline		Post development on site		Onsite Change	
	Existing length	Existing value	Proposed length	Proposed value	length change	Onsite Unit change
Priority Habitat	0.0	0.0	0.0	0.0	0.0	0.0
Other Rivers and Streams	0.0	0.0	0.0	0.0	0.0	0.0
Ditches	0.0	0.0	0.0	0.0	0.0	0.0
Canals	0.0	0.0	0.0	0.0	0.0	0.0
Culvert	0.0	0.0	0.0	0.0	0.0	0.0



Trading Summary

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Trading Summary

Distinctiveness Group	Trading Rule	Trading Satisfied?
Very High	Bespoke compensation likely to be required ✖	Yes ✓
High	Same habitat required =	Yes ✓
Medium	Same broad habitat or a higher distinctiveness habitat required (≥)	Yes ✓
Low	Same distinctiveness or better habitat required ≥	Yes ✓

Very High Distinctiveness

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 hay meadows	Grassland	0.00	0.00	0.00	
Heathland and shrub - Mountain heaths and willow scrub	Heathland and shrub	0.00	0.00	0.00	
Lakes - Aquifer fed naturally fluctuating water bodies	Lakes	0.00	0.00	0.00	
Sparsely vegetated land - Calaminarian grasslands	Sparsely vegetated land	0.00	0.00	0.00	
Sparsely vegetated land - Limestone pavement	Sparsely vegetated land	0.00	0.00	0.00	
Wetland - Blanket bog	Wetland	0.00	0.00	0.00	
Wetland - Depressions on Peat substrates (H7150)	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[1] (D2.1)	Wetland	0.00	0.00	0.00	
Wetland - Purple moor grass and rush pastures	Wetland	5.16	0.00	5.16	
Wetland - Transition mires and quaking bogs (H7140)	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 seagrass on peat, clay or chalk	Intertidal sediment	0.00	0.00	0.00	
		5.16	0.00	5.16	0.00

Very High Distinctiveness Summary

Very High Distinctiveness Units available to offset lower distinctiveness deficit	5.16
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High Distinctiveness

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 - Floodplain Wetland Mosaic (CFGM)	Grassland	0.00	0.00	0.00	
Grassland - Lowland calcareous grassland	Grassland	227.98	0.00	227.98	
Grassland - Tall herb communities (H6430)	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 - Sea buckthorn scrub (Annex 1)	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 - Marl 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 - Ponds (Priority Habitat)	Lakes	0.00	0.00	0.00	
Lakes - Temporary lakes, ponds and pools	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 shingle	Sparsely vegetated land	0.00	0.00	0.00	
Sparsely vegetated land - Inland 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 - Reedbeds	Wetland	0.00	0.00	0.00	
Woodland and forest - Felled	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	8.86	0.00	8.86	
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	

High Distinctiveness Summary

High Distinctiveness Units available to offset lower distinctiveness deficit	236.84
Unit Deficit; Like for like not satisfied	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 lagoons - Coastal lagoons	Coastal lagoons	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 - Saltmarshes and saline reedbeds	Coastal Saltmarsh	0.00	0.00	0.00	
Intertidal sediment - Littoral biogenic reefs - Mussels	Intertidal sediment	0.00	0.00	0.00	
Intertidal sediment - Littoral biogenic reefs - Sabellaria	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	
		236.84	0.00	236.84	0.00

Medium Distinctiveness					
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 game bird mix	Cropland	1.79	0.00	1.79	1.79
Cropland - Arable field margins pollen & nectar	Cropland	0.00	0.00	0.00	
Cropland - Arable field margins tussocky	Cropland	0.00	0.00	0.00	
Grassland - Other lowland acid grassland	Grassland	400.56	0.00	400.56	
Grassland - Other neutral grassland	Grassland	-50.52	0.00	-50.52	350.04
Grassland - Upland acid 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 - Hazel scrub	Heathland and shrub	0.00	0.00	0.00	
Heathland and shrub - Mixed scrub	Heathland and shrub	2.67	0.00	2.67	2.67
Lakes - Ponds (Non- Priority Habitat)	Lakes	0.00	0.00	0.00	
Lakes - Reservoirs	Lakes	0.00	0.00	0.00	0.00
Sparsely vegetated land - Other inland rock and scree	Sparsely vegetated land	0.00	0.00	0.00	0.00
Urban - Cemeteries and churchyards	Urban	0.00	0.00	0.00	
Urban - Biodiverse green roof	Urban	0.00	0.00	0.00	0.00
Urban - Urban Tree	Urban	0.00	0.00	0.00	
Woodland and forest - Other Scot's Pine woodland	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Other woodland, broadleaved	Woodland and forest	64.33	0.00	64.33	64.24
Woodland and forest - Other woodland, mixed	Woodland and forest	-0.09	0.00	-0.09	
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 (IGGI)	Intertidal	0.00	0.00	0.00	
		418.74	0.00	418.74	

Medium Distinctiveness Summary	
Medium Distinctiveness Units available to offset lower distinctiveness deficit	418.74
Medium Distinctiveness Broad Habitat Deficit to be offset by trading up	0.00
Higher distinctiveness surplus units minus Medium Distinctiveness Broad Habitat Deficit	242.00
Cumulative surplus of units	660.74

Low Distinctiveness					
Habitat group	Group	On site unit change	Off Site Unit Change	Project wide unit change	
Cropland - Cereal crops	Cropland	-830.71	0.00	-830.71	
Cropland - Horticulture	Cropland	0.00	0.00	0.00	
Cropland - Intensive orchards	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 - Cereal crops winter stubble	Cropland	0.00	0.00	0.00	
Grassland - Modified grassland	Grassland	842.81	0.00	842.81	
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 - Ruderal/Ephemeral	Sparsely vegetated land	71.46	0.00	71.46	
Urban - Bioswale	Sparsely vegetated land	0.00	0.00	0.00	
Urban - Allotments	Urban	0.00	0.00	0.00	

Low Distinctiveness Summary	
Low Distinctiveness Net Change in Units	-163.58
Cumulative surplus of units	497.16

Urban - Facade-bound 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 - Introduced shrub	Urban	0.00	0.00	0.00
Urban - Rain garden	Urban	0.00	0.00	0.00
Urban - Actively worked sand pit quarry or open cast mine	Urban	0.00	0.00	0.00
Urban - Sustainable urban drainage feature	Urban	0.00	0.00	0.00
Urban - Vacant/derelict land/ bareground	Urban	-247.07	0.00	-247.07
Urban - Vegetated garden	Urban	0.00	0.00	0.00
Woodland and forest - Other coniferous woodland	Woodland and forest	-0.07	0.00	-0.07
Coastal saltmarsh - Artificial saltmarshes and saline reedbeds	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 seagrass	Intertidal sediment	0.00	0.00	0.00
Intertidal sediment - Artificial littoral biogenic reefs	Intertidal sediment	0.00	0.00	0.00
Intertidal Hard Structures - Artificial hard structures	Intertidal	0.00	0.00	0.00
Intertidal Hard Structures - Artificial features of hard structures	Intertidal	0.00	0.00	0.00
Heathland and shrub - Sea buckthorn scrub (other)	Heathland and shrub	0.00	0.00	0.00
		-163.58		-163.58

A-1 Site Habitat Baseline

SUNNICA	
A-1 Site Habitat Baseline	
Condense / Show Columns	Condense / Show Rows
Main Menu	Instructions

Ref	Broad Habitat	Habitats and areas		Distinctiveness		Condition		Strategic significance			Suggested action to address habitat losses	Ecological baseline	
		Habitat Type	Area (hectares)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic significance multiplier		Total habitat units	Units lost
1	Cropland	Cereal crops	14.7433185	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	29.49	
2	Cropland	Cereal crops	39.71790875	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	79.44	
3	Cropland	Cereal crops	12.23453747	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	24.47	
4	Cropland	Cereal crops	0.086658236	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	0.17	
5	Cropland	Cereal crops	18.89608854	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	37.77	
6	Cropland	Cereal crops	51.42705078	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	102.85	
7	Cropland	Cereal crops	8.842675895	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	17.69	
8	Cropland	Cereal crops	30.81476085	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	61.63	
9	Cropland	Cereal crops	13.30964359	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	26.62	
10	Cropland	Cereal crops	9.967191348	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	19.93	
11	Cropland	Cereal crops	9.078997104	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	18.16	
12	Cropland	Cereal crops	9.399570258	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	18.80	
13	Cropland	Cereal crops	7.219364703	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	14.44	
14	Cropland	Cereal crops	16.86790334	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	33.74	
15	Cropland	Cereal crops	15.27673768	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	30.55	
16	Cropland	Cereal crops	10.86831132	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	21.74	
17	Cropland	Cereal crops	9.554729728	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	19.11	
18	Cropland	Cereal crops	6.863359574	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	13.73	
19	Cropland	Cereal crops	7.545347243	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	15.09	
20	Cropland	Cereal crops	7.664184905	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	15.33	
21	Cropland	Cereal crops	6.134746704	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	12.27	
22	Cropland	Cereal crops	6.669919365	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	13.34	
23	Cropland	Cereal crops	5.642623073	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	11.29	
24	Cropland	Cereal crops	6.967268205	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	13.97	
25	Cropland	Cereal crops	16.41871017	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	32.84	
26	Cropland	Cereal crops	26.04879677	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	52.10	
27	Cropland	Cereal crops	6.393965892	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	12.79	
28	Cropland	Cereal crops	0.00532351	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	0.01	
29	Cropland	Cereal crops	38.12169356	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	76.24	
30	Cropland	Cereal crops	32.6038026	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	65.21	
31	Cropland	Cereal crops	22.05012185	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	44.10	
32	Cropland	Cereal crops	3.06295049	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	6.13	
33	Cropland	Cereal crops	2.48096857	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	4.96	
34	Urban	Developed land: sealed surface	0.186486601	V.Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Compensation Not Required	0.00	
35	Urban	Developed land: sealed surface	2.560595179	V.Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Compensation Not Required	0.00	
36	Urban	Developed land: sealed surface	0.37222657	V.Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Compensation Not Required	0.00	
37	Urban	Developed land: sealed surface	0.038238029	V.Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Compensation Not Required	0.00	
38	Urban	Developed land: sealed surface	0.006499333	V.Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Compensation Not Required	0.00	
39	Urban	Developed land: sealed surface	0.021379087	V.Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Compensation Not Required	0.00	
40	Urban	Developed land: sealed surface	0.031936485	V.Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Compensation Not Required	0.00	
41	Urban	Developed land: sealed surface	0.094055837	V.Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Compensation Not Required	0.00	
42	Urban	Developed land: sealed surface	0.027261956	V.Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Compensation Not Required	0.00	
43	Urban	Developed land: sealed surface	1.76677687	V.Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Compensation Not Required	0.00	
44	Urban	Developed land: sealed surface	5.492076579	V.Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Compensation Not Required	0.00	
45	Grassland	Lowland calcareous grassland	0.906851135	High	6	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same habitat required =	11.97	
46	Grassland	Lowland dry acid grassland	6.414012189	V.High	8	Good	3	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same habitat required =	169.33	
47	Woodland and forest	Lowland mixed deciduous woodland	0.207553823	High	6	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same habitat required =	2.74	
48	Woodland and forest	Lowland mixed deciduous woodland	0.285581925	High	6	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same habitat required =	3.77	
49	Woodland and forest	Lowland mixed deciduous woodland	0.00562118	High	6	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same habitat required =	0.07	
50	Woodland and forest	Lowland mixed deciduous woodland	0.050903008	High	6	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same habitat required =	0.67	
51	Woodland and forest	Lowland mixed deciduous woodland	0.061078661	High	6	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same habitat required =	0.81	
52	Woodland and forest	Lowland mixed deciduous woodland	0.17112173	High	6	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same habitat required =	2.26	
53	Woodland and forest	Lowland mixed deciduous woodland	0.09902582	High	6	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same habitat required =	1.31	
54	Woodland and forest	Lowland mixed deciduous woodland	0.13055573	High	6	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same habitat required =	1.72	
55	Woodland and forest	Lowland mixed deciduous woodland	0.270183494	High	6	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same habitat required =	3.57	
56	Woodland and forest	Lowland mixed deciduous woodland	0.838744148	High	6	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same habitat required =	11.07	
57	Woodland and forest	Lowland mixed deciduous woodland	0.49024477	High	6	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same habitat required =	6.34	
58	Woodland and forest	Lowland mixed deciduous woodland	0.105488199	High	6	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same habitat required =	1.39	
59	Woodland and forest	Lowland mixed deciduous woodland	0.216170681	High	6	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same habitat required =	2.85	
60	Heathland and shrub	Mixed scrub	1.771359781	Medium	4	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required ≥	14.17	

Area retained	Area enhanced	Retention category biodiversity value				Baseline units retained	Baseline units enhanced	Area habitat lost	Units lost	Bespoke compensation agreed for unacceptable losses	Comments	
		Area retained	Area enhanced	Baseline units retained	Baseline units enhanced						Assessor comments	Reviewer comments
14.74331		29.49	0.00	0.00	0.00						Outside East Camba NRN and within Cable Route North	
39.7179		79.44	0.00	0.00	0.00						Outside East Camba NRN and within Cable Route West	
		0.00	0.00	12.23	24.47						Outside East Camba NRN and within E01	
		0.00	0.00	0.09	0.17						Outside East Camba NRN and within E02	
		0.00	0.00	18.89	37.77						Outside East Camba NRN and within E03	
		0.00	0.00	51.43	102.85						Outside East Camba NRN and within E05, AF19, AF20	
		0.00	0.00	8.84	17.69						Outside East Camba NRN and within E09	
		0.00	0.00	30.81	61.63						Outside East Camba NRN and within E12, AF16	
		0.00	0.00	13.31	26.62						Outside East Camba NRN and within E13	
		0.00	0.00	9.97	19.93						Outside East Camba NRN and within E14	
		0.00	0.00	9.08	18.16						Outside East Camba NRN and within E15	
		0.00	0.00	9.40	18.80						Outside East Camba NRN and within E16	
		0.00	0.00	7.22	14.44						Outside East Camba NRN and within E17, AF17	
		0.00	0.00	16.87	33.74						Outside East Camba NRN and within E18, AF18	
		0.00	0.00	15.28	30.55						Outside East Camba NRN and within E19, AF22	
		0.00	0.00	10.87	21.74						Outside East Camba NRN and within E20, AF23	
		0.00	0.00	9.55	19.11						Outside East Camba NRN and within E21, AF24	
		0.00	0.00	6.86	13.73						Outside East Camba NRN and within E22, AF25	
		0.00	0.00	7.55	15.09						Outside East Camba NRN and within E24, AF3	
		0.00	0.00	7.66	15.33						Outside East Camba NRN and within E25	
		0.00	0.00	6.13	12.27						Outside East Camba NRN and within E26	
		0.00	0.00	6.67	13.34						Outside East Camba NRN and within E27	
		0.00	0.00	5.64	11.29						Outside East Camba NRN and within E28	
		0.00	0.00	6.99	13.97						Outside East Camba NRN and within E29	
		0.00	0.00	16.42	32.84						Outside East Camba NRN and within E30, AF7	
		0.00	0.00	26.05	52.10						Outside East Camba NRN and within E31	
		0.00	0.00	6.39	12.79						Outside East Camba NRN and within E32	
		0.00	0.00	0.01	0.01						Outside East Camba NRN and within E33	
		0.00	0.00	38.12	76.24						Outside East Camba NRN and within ECO1, AF21	
		0.00	0.00	32.60	65.21						Outside East Camba NRN and within ECO2, AF14	
		0.00	0.00	22.05	44.10						Outside East Camba NRN and within ECO3, AF2	
0.690833		1.38	0.00	2.37	4.74						Outside East Camba NRN and within Fringe habitats and site fabric outside of parcel references	
2.480968		4.96	0.00	0.00	0.00						Outside East Camba NRN and within Pw Stn	
0.186487		0.00	0.00	0.00	0.00						Outside East Camba NRN and within Cable Route North	
2.560595		0.00	0.00	0.00	0.00						Outside East Camba NRN and within Cable Route West	
		0.00	0.00	0.37	0.00						Outside East Camba NRN and within E05	
		0.00	0.00	0.04	0.00						Outside East Camba NRN and within E19	
0.021379		0.00	0.00	0.01	0.00						Outside East Camba NRN and within E22	
0.031936		0.00	0.00	0.00	0.00						Outside East Camba NRN and within E29	
		0.00	0.00	0.09	0.00						Outside East Camba NRN and within E33	
		0.00	0.00	0.03	0.00						Outside East Camba NRN and within ECO2	
1.766777		0.00	0.00	0.00	0.00						Outside East Camba NRN and within Fringe habitats and site fabric outside of parcel references	
5.492077		0.00	0.00	0.00	0.00						Outside East Camba NRN and within Pw Stn	
0.906851		11.97	0.00	0.00	0.00						Outside East Camba NRN and within E	

A-2 Site Habitat Creation

A-3 Site Habitat Enhancement

Number of	Habitat habitat	Baseline habitat										Proposed habitat (to be replaced but not to be overstepped)		Change to disturbance and condition					For development post intervention habitat					Respond risk multiplier					Overall						
		Total habitat area (hectares)	Baseline disturbance score	Baseline disturbance score	Baseline habitat category	Baseline condition score	Baseline strategic significance score	Baseline strategic significance score	Baseline habitat value	Proposed habitat value	Proposed habitat value	Area Overstepped	Disturbance	Score	Condition	Score	Strategic significance	Strategic significance multiplier	Standard time to target condition/years	Habitat reduced to adverse/years	Delay in starting habitat enhancement/years	Standard or adjusted time to target condition	Fast time to target condition/years	Fast time to target condition/years	Standard difficulty of enhancement	Applied difficulty multiplier	Final difficulty of enhancement	Difficulty multiplier applied	Habitat value delivered	Assessment outcome	Revised outcome				
47	Woodland and forest - Lowland mixed deciduous woodland	0.2070284	High	6	Medium	2	Medium strategic significance	1.1	0.74	None habitat required =	Woodland and forest	Lowland mixed deciduous woodland	High - High	Medium - Good	0.2070284	High	6	Good	3	Lowland strategically desirable but not in local strategic	Medium strategic significance	1.1	20	0	0	Standard time to target condition applied	20	0.450	High	Standard difficulty applied	High	0.55	3.08		
48	Woodland and forest - Lowland mixed deciduous woodland	0.2090180	High	6	Medium	2	Medium strategic significance	1.1	0.77	None habitat required =	Woodland and forest	Lowland mixed deciduous woodland	High - High	Medium - Good	0.2090180	High	6	Good	3	Lowland strategically desirable but not in local strategic	Medium strategic significance	1.1	20	0	0	Standard time to target condition applied	20	0.450	High	Standard difficulty applied	High	0.55	3.03		
49	Woodland and forest - Lowland mixed deciduous woodland	0.2090218	High	6	Medium	2	Medium strategic significance	1.1	0.77	None habitat required =	Woodland and forest	Lowland mixed deciduous woodland	High - High	Medium - Good	0.2090218	High	6	Good	3	Lowland strategically desirable but not in local strategic	Medium strategic significance	1.1	20	0	0	Standard time to target condition applied	20	0.450	High	Standard difficulty applied	High	0.55	3.05		
50	Woodland and forest - Lowland mixed deciduous woodland	0.2090224	High	6	Medium	2	Medium strategic significance	1.1	0.77	None habitat required =	Woodland and forest	Lowland mixed deciduous woodland	High - High	Medium - Good	0.2090224	High	6	Good	3	Lowland strategically desirable but not in local strategic	Medium strategic significance	1.1	20	0	0	Standard time to target condition applied	20	0.450	High	Standard difficulty applied	High	0.55	3.05		
51	Woodland and forest - Lowland mixed deciduous woodland	0.2090290	High	6	Medium	2	Medium strategic significance	1.1	0.81	None habitat required =	Woodland and forest	Lowland mixed deciduous woodland	High - High	Medium - Good	0.2090290	High	6	Good	3	Lowland strategically desirable but not in local strategic	Medium strategic significance	1.1	20	0	0	Standard time to target condition applied	20	0.450	High	Standard difficulty applied	High	0.55	3.08		
52	Woodland and forest - Lowland mixed deciduous woodland	0.2112112	High	6	Medium	2	Medium strategic significance	1.1	1.08	None habitat required =	Woodland and forest	Lowland mixed deciduous woodland	High - High	Medium - Good	0.2112112	High	6	Good	3	Lowland strategically desirable but not in local strategic	Medium strategic significance	1.1	20	0	0	Standard time to target condition applied	20	0.450	High	Standard difficulty applied	High	0.55	3.22		
53	Woodland and forest - Lowland mixed deciduous woodland	0.2090200	High	6	Medium	2	Medium strategic significance	1.1	1.31	None habitat required =	Woodland and forest	Lowland mixed deciduous woodland	High - High	Medium - Good	0.2090200	High	6	Good	3	Lowland strategically desirable but not in local strategic	Medium strategic significance	1.1	20	0	0	Standard time to target condition applied	20	0.450	High	Standard difficulty applied	High	0.55	3.20		
54	Woodland and forest - Lowland mixed deciduous woodland	0.2100000	High	6	Medium	2	Medium strategic significance	1.1	1.72	None habitat required =	Woodland and forest	Lowland mixed deciduous woodland	High - High	Medium - Good	0.2100000	High	6	Good	3	Lowland strategically desirable but not in local strategic	Medium strategic significance	1.1	20	0	0	Standard time to target condition applied	20	0.450	High	Standard difficulty applied	High	0.55	3.26		
55	Woodland and forest - Lowland mixed deciduous woodland	0.2070284	High	6	Medium	2	Medium strategic significance	1.1	0.77	None habitat required =	Woodland and forest	Lowland mixed deciduous woodland	High - High	Medium - Good	0.2070284	High	6	Good	3	Lowland strategically desirable but not in local strategic	Medium strategic significance	1.1	20	0	0	Standard time to target condition applied	20	0.450	High	Standard difficulty applied	High	0.55	3.08		
56	Woodland and forest - Lowland mixed deciduous woodland	0.2070414	High	6	Medium	2	Medium strategic significance	1.1	1.02	None habitat required =	Woodland and forest	Lowland mixed deciduous woodland	High - High	Medium - Good	0.2070414	High	6	Good	3	Lowland strategically desirable but not in local strategic	Medium strategic significance	1.1	20	0	0	Standard time to target condition applied	20	0.450	High	Standard difficulty applied	High	0.55	3.08		
57	Woodland and forest - Lowland mixed deciduous woodland	0.4802411	High	6	Medium	2	Medium strategic significance	1.1	4.34	None habitat required =	Woodland and forest	Lowland mixed deciduous woodland	High - High	Medium - Good	0.4802411	High	6	Good	3	Lowland strategically desirable but not in local strategic	Medium strategic significance	1.1	20	0	0	Standard time to target condition applied	20	0.450	High	Standard difficulty applied	High	0.55	6.08		
58	Woodland and forest - Lowland mixed deciduous woodland	0.1204800	High	6	Medium	2	Medium strategic significance	1.1	1.39	None habitat required =	Woodland and forest	Lowland mixed deciduous woodland	High - High	Medium - Good	0.1204800	High	6	Good	3	Lowland strategically desirable but not in local strategic	Medium strategic significance	1.1	20	0	0	Standard time to target condition applied	20	0.450	High	Standard difficulty applied	High	0.55	1.56		
59	Woodland and forest - Lowland mixed deciduous woodland	0.2141300	High	6	Medium	2	Medium strategic significance	1.1	2.00	None habitat required =	Woodland and forest	Lowland mixed deciduous woodland	High - High	Medium - Good	0.2141300	High	6	Good	3	Lowland strategically desirable but not in local strategic	Medium strategic significance	1.1	20	0	0	Standard time to target condition applied	20	0.450	High	Standard difficulty applied	High	0.55	3.08		

Metric 3 Hedgerows and Trees

Headline Results

SUNNICA

Headline Results

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On-site baseline	<i>Habitat units</i>	6.80
	<i>Hedgerow units</i>	153.57
	<i>River units</i>	0.00
On-site post-intervention <small>(Including habitat retention, creation & enhancement)</small>	<i>Habitat units</i>	11.07
	<i>Hedgerow units</i>	196.71
	<i>River units</i>	0.00
On-site net % change <small>(Including habitat retention, creation & enhancement)</small>	<i>Habitat units</i>	62.84%
	<i>Hedgerow units</i>	28.09%
	<i>River units</i>	0.00%
Off-site baseline	<i>Habitat units</i>	0.00
	<i>Hedgerow units</i>	0.00
	<i>River units</i>	0.00
Off-site post-intervention <small>(Including habitat retention, creation & enhancement)</small>	<i>Habitat units</i>	0.00
	<i>Hedgerow units</i>	0.00
	<i>River units</i>	0.00
Total net unit change <small>(including all on-site & off-site habitat retention, creation & enhancement)</small>	<i>Habitat units</i>	4.27
	<i>Hedgerow units</i>	43.14
	<i>River units</i>	0.00
Total on-site net % change plus off-site surplus <small>(including all on-site & off-site habitat retention, creation & enhancement)</small>	<i>Habitat units</i>	62.84%
	<i>Hedgerow units</i>	28.09%
	<i>River units</i>	0.00%
Trading rules Satisfied?	Yes ✓	

A-1 Site Habitat Baseline

244																			
245																			
246																			
247																			
248																			

Total habitat area		0.77							6.80						
0.77	0.00	6.80	0.00	0.00	0.00	0.00									
Total area lost (excluding area of Urban trees and Green walls)		0.00													

A-2 Site Habitat Creation

B-1 Site Hedge Baseline

B-1 Site Hedge Baseline

Condense / Show Columns

Condense / Show Rows

Main Menu

Instructions

Baseline ref	UK Habitats - existing habitats			Habitat distinctiveness		Habitat condition		Strategic significance			Suggested action to address habitat losses	Ecological baseline Total hedgerow units	Retention category biodiversity value						Comments							
	Hedge number	Hedgerow type	Length (km)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic position multiplier			Length retained	Length enhanced	Units retained	Units enhanced	Length lost	Units lost	Assessor comments	Reviewer comments						
1		Line of trees	0.20196972	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	0.89						0.201969719		0.89	0.00	0.00	0.00	0.00	Outside East Cambs NRN and within Cable Route North	
2		Line of trees	0.19687752	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	0.87						0.196877521		0.87	0.00	0.00	0.00	0.00	Outside East Cambs NRN and within E14	
3		Line of trees	0.61102206	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	2.69						0.571022009		2.51	0.00	0.04	0.18	0.18	Outside East Cambs NRN and within E15	
4		Line of trees	0.61032821	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	2.69						0.599702772		2.64	0.00	0.01	0.05	0.05	Outside East Cambs NRN and within E16	
5		Line of trees	0.18269858	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	0.80						0.179299597		0.79	0.00	0.00	0.01	0.01	Outside East Cambs NRN and within E17	
6		Line of trees	0.97319549	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	4.28						0.952981242		4.19	0.00	0.02	0.09	0.09	Outside East Cambs NRN and within E18	
7		Line of trees	0.52063392	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	2.29						0.50063389		2.20	0.00	0.02	0.09	0.09	Outside East Cambs NRN and within E20	
8		Line of trees	0.3353238	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	1.48						0.315272928		1.39	0.00	0.02	0.09	0.09	Outside East Cambs NRN and within E21	
9		Line of trees	0.92869238	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	4.09						0.928692383		4.09	0.00	0.00	0.00	0.00	Outside East Cambs NRN and within ECO3	
10		Line of trees	0.58927379	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	2.71						0.464962395		2.14	0.00	0.12	0.57	0.57	Within East Cambs NRN and Cable Route West	
11		Line of Trees - Associated with bank or ditch	0.04044522	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	0.18						0.040445216		0.18	0.00	0.00	0.00	0.00	Outside East Cambs NRN and within Cable Route West	
12		Native hedgerow	1.05135929	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	4.63						0.949829899		4.18	0.00	0.10	0.45	0.45	Outside East Cambs NRN and within Cable Route North	
13		Native hedgerow	0.32323459	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	1.42						0.263234576		1.16	0.00	0.06	0.26	0.26	Outside East Cambs NRN and within Cable Route West	
14		Native hedgerow	0.46189555	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	2.03						0.422804433		1.86	0.00	0.04	0.17	0.17	Outside East Cambs NRN and within E03	
15		Native hedgerow	0.15310075	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	0.67						0.153100745		0.67	0.00	0.00	0.00	0.00	Outside East Cambs NRN and within E08	
16		Native hedgerow	0.39158087	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	1.72						0.391580872		1.72	0.00	0.00	0.00	0.00	Outside East Cambs NRN and within E09	
17		Native hedgerow	0.59188982	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	2.80						0.545989875		2.40	0.00	0.05	0.20	0.20	Outside East Cambs NRN and within E10	
18		Native hedgerow	0.24464822	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	1.08							0.00	0.00	0.00	0.24	1.08	1.08	Outside East Cambs NRN and within E12	
19		Native hedgerow	0.39783868	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	1.75						0.397838679		1.75	0.00	0.00	0.00	0.00	Outside East Cambs NRN and within E16	
20		Native hedgerow	0.64525048	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	2.84						0.609294794		2.68	0.00	0.04	0.16	0.16	Outside East Cambs NRN and within E18	
21		Native hedgerow	0.85450458	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	3.76						0.851940393		3.75	0.00	0.00	0.01	0.01	Outside East Cambs NRN and within E19	
22		Native hedgerow	0.52737099	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	2.32						0.52296316		2.30	0.00	0.00	0.02	0.02	Outside East Cambs NRN and within E20	
23		Native hedgerow	0.02786357	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	0.12						0.027863567		0.12	0.00	0.00	0.00	0.00	Outside East Cambs NRN and within E21	
24		Native hedgerow	0.52605472	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	2.31						0.496054695		2.18	0.00	0.03	0.13	0.13	Outside East Cambs NRN and within E22	
25		Native hedgerow	0.19736641	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	0.87						0.169342185		0.75	0.00	0.03	0.12	0.12	Outside East Cambs NRN and within E24	
26		Native hedgerow	0.31749529	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	1.40						0.288897374		1.27	0.00	0.03	0.13	0.13	Outside East Cambs NRN and within E25	
27		Native hedgerow	0.45147887	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	1.99						0.4243672		1.87	0.00	0.03	0.12	0.12	Outside East Cambs NRN and within E26	
28		Native hedgerow	0.24112206	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	1.06						0.221122047		0.97	0.00	0.02	0.09	0.09	Outside East Cambs NRN and within E27	
29		Native hedgerow	0.57146318	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	2.51						0.555691217		2.45	0.00	0.02	0.07	0.07	Outside East Cambs NRN and within E28	
30		Native hedgerow	0.26125204	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	1.15						0.241283831		1.06	0.00	0.02	0.09	0.09	Outside East Cambs NRN and within E29	
31		Native hedgerow	0.01777951	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	0.08						0.017779506		0.08	0.00	0.00	0.00	0.00	Outside East Cambs NRN and within E30	
32		Native hedgerow	0.44638012	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	1.96						0.439293828		1.93	0.00	0.01	0.03	0.03	Outside East Cambs NRN and within E31	
33		Native hedgerow	0.62822476	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	2.76						0.51647372		2.27	0.00	0.11	0.49	0.49	Outside East Cambs NRN and within E32	
34		Native hedgerow	0.16117448	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	0.71						0.158606542		0.70	0.00	0.00	0.01	0.01	Outside East Cambs NRN and within E33	
35		Native hedgerow	0.83253939	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	3.66						0.832539388		3.66	0.00	0.00	0.00	0.00	Outside East Cambs NRN and within ECO1	
36		Native hedgerow	0.25570334	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	1.13						0.255703344		1.13	0.00	0.00	0.00	0.00	Outside East Cambs NRN and within ECO2	
37		Native hedgerow	0.73348538	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	3.23						0.725661428		3.19	0.00	0.01	0.03	0.03	Outside East Cambs NRN and within ECO3	
38		Native hedgerow	0.06092301	Low	2	Moderate	2	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	0.27						0.060923006		0.27	0.00	0.00	0.00	0.00	Outside East Cambs NRN and within Fringe habitats and site fabric outside of parcel references	
39		Native hedgerow	0.08722886	Low	2	Poor	1	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	0.19						0.087228859		0.19	0.00	0.00	0.00	0.00	Outside East Cambs NRN and within Cable Route West	
40		Native hedgerow	0.35189541	Low	2	Poor	1	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	0.77						0.351895405		0.77	0.00	0.00	0.00	0.00	Outside East Cambs NRN and within E05	
41		Native hedgerow	0.13924187	Low	2	Poor	1	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	0.31						0.139241866		0.31	0.00	0.00	0.00	0.00	Outside East Cambs NRN and within ECO1	
42		Native hedgerow	0.43396733	Low	2	Poor	1	Location ecologically desirable but not in local strate	Medium strategic significance	1.1	Same distinctiveness band or better	0.95						0.433967326		0.95	0.00	0.00	0.00	0.00	Outside East Cambs NRN and within ECO2	
43		Native hedgerow	0.70971482	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	3.26						0.617512157		2.84	0.00	0.09	0.42	0.42	Within East Cambs NRN and Cable Route East	
44		Native hedgerow	0.11554976	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	0.53						0.060313244		0.28	0.00	0.06	0.25	0.25	Within East Cambs NRN and Cable Route West	
45		Native hedgerow	0.43978967	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	2.02						0.439789665		2.02	0.00	0.00	0.00	0.00	Within East Cambs NRN and ECOS	
46		Native hedgerow	0.36183305	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	1.66						0.331747671		1.53	0.00	0.03	0.14	0.14	Within East Cambs NRN and W03	
47		Native hedgerow	0.08383247	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	0.39						0.079852673		0.37	0.00	0.00	0.02	0.02	Within East Cambs NRN and W04	
48		Native hedgerow	0.69597478	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	3.20						0.695974779		3.20	0.00	0.00	0.00	0.00	Within East Cambs NRN and W05	
49		Native hedgerow	0.7116461	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	3.27						0.691646133		3.18	0.00	0.02	0.09	0.09	Within East Cambs NRN and W06	
50		Native hedgerow	0.28828099	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	1.33						0.288280992		1.33	0.00	0.00	0.00	0.00	Within East Cambs NRN and W07	
51		Native hedgerow	0.14210222	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	0.65						0.117950296		0.54	0.00	0.02	0.11	0.11	Within East Cambs NRN and W08	

B-2 Site Hedge Creation

Metric 4 Rivers

Headline Results

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Headline Results

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On-site baseline	<i>Habitat units</i>	0.00
	<i>Hedgerow units</i>	0.00
	<i>River units</i>	18.71
On-site post-intervention (Including habitat retention, creation & enhancement)	<i>Habitat units</i>	0.00
	<i>Hedgerow units</i>	0.00
	<i>River units</i>	20.83
On-site net % change (Including habitat retention, creation & enhancement)	<i>Habitat units</i>	0.00%
	<i>Hedgerow units</i>	0.00%
	<i>River units</i>	11.37%
Off-site baseline	<i>Habitat units</i>	0.00
	<i>Hedgerow units</i>	0.00
	<i>River units</i>	0.00
Off-site post-intervention (Including habitat retention, creation & enhancement)	<i>Habitat units</i>	0.00
	<i>Hedgerow units</i>	0.00
	<i>River units</i>	0.00
Total net unit change (including all on-site & off-site habitat retention, creation & enhancement)	<i>Habitat units</i>	0.00
	<i>Hedgerow units</i>	0.00
	<i>River units</i>	2.13
Total on-site net % change plus off-site surplus (including all on-site & off-site habitat retention, creation & enhancement)	<i>Habitat units</i>	0.00%
	<i>Hedgerow units</i>	0.00%
	<i>River units</i>	11.37%
Trading rules Satisfied?	Yes ✓	

A-1 Site Habitat Baseline

A-2 Site Habitat Creation

B-1 Site Hedge Baseline

B-2 Site Hedge Creation

C-1 Site River Baseline

C-2 Site River Creation

C-3 Site River Enhancement

C-3 Site River Enhancement

Basin ID	Basin Habitat	Length (ft)	Baseline disturbance level	Baseline disturbance score	Baseline condition category	Baseline habitat			Proposed River Type (Pre-programmed use for classification)	Changes in disturbance and condition		Rabbit disturbance		Rabbit condition		Strategic algorithms			Transport multiplier			Difficulty multiplier			Watershed score/condition		Riparian score/condition		River mile achieved	Comments					
						Baseline condition score	Baseline strategic significance category	Strategic significance		Baseline strategic significance score	Regulated action	Total rate	Disturbance increase	Condition increase	Length (ft)	Disturbance	Score	Condition	Score	Strategic algorithm	Strategic algorithm	Strategic algorithm	Standard Time to target months/years	Initial reduction in stress/years	Delay in starting habitat enhancement/years	Standard or adjusted time to target months/years	Final time to target months/years	Final Time to target multiplier		Standard difficulty of enhancement	Applied difficulty multiplier	Final difficulty of enhancement	Difficulty multiplier applied	Score of watershed	Multiplier
1	Channel	1.00	Medium	4	Poor	1	Low potential action not identified in any plan	Low Strategic Significance	1	Baseline	0.20	Medium	4	Medium	2	Low potential action not identified in any plan	Low Strategic Significance	1	4	0	0	Standard time to target condition applied	4	0.00	Medium	Standard difficulty applied	Medium	0.07	No Disturbance	1	No Disturbance	1	0.13	Baseline condition of basin in the River Road (RT) enhancement. The river channel currently carries the regulated flow enhancement will result in improved hydrology and improvements to the riparian habitat in riparian channel, stream and connectivity. These measures will be defined in detailed design study.	
2	Channel	0.00	Medium	4	Poor	1	Low potential action not identified in any plan	Low Strategic Significance	1	Baseline	0.00	Medium	4	Medium	2	Low potential action not identified in any plan	Low Strategic Significance	1	4	0	0	Standard time to target condition applied	4	0.00	Medium	Standard difficulty applied	Medium	0.07	No Disturbance	1	No Disturbance	1	0.01	Baseline condition of basin in the River Road (RT) enhancement. The river channel currently carries the regulated flow enhancement will result in improved hydrology and improvements to the riparian habitat in riparian channel, stream and connectivity. These measures will be defined in detailed design study.	
3	Channel	0.00	Medium	4	Medium	2	Low potential action not identified in any plan	Low Strategic Significance	1	Baseline	0.00	Medium	4	Good	3	Low potential action not identified in any plan	Low Strategic Significance	1	4	0	0	Standard time to target condition applied	4	0.00	Medium	Standard difficulty applied	Medium	0.07	No Disturbance	1	No Disturbance	1	0.01	Baseline condition of basin in the River Road (RT) enhancement. The river channel currently carries the regulated flow enhancement will result in improved hydrology and improvements to the riparian habitat in riparian channel, stream and connectivity. These measures will be defined in detailed design study.	
7	Priority Habitat	1.14	High	8	Medium	2	High potential action identified in any plan	High Strategic Significance	1.14	Baseline	11.000	High	8	Fairly Good	5.0	High potential action identified in any plan	High Strategic Significance	1.14	8	0	0	Standard time to target condition applied	8	0.01	Medium	Standard difficulty applied	Medium	0.07	Major	0.0	No Disturbance	1	0.04	Baseline condition of basin in the River Road (RT) enhancement. The river channel currently carries the regulated flow enhancement will result in improved hydrology and improvements to the riparian habitat in riparian channel, stream and connectivity. These measures will be defined in detailed design study.	

