Hampshire Water Transfer and Water Recycling Project

Biodiversity Gain Plan

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Executive Summary

1. This Biodiversity Gain Plan sets out how the Hampshire Water Transfer and Water Recycling Project (the 'Project') will deliver at least 10% Biodiversity Net Gain (BNG).
2. The Biodiversity Gain Plan has been prepared using the Department for Environment, Food and Rural Affairs (Defra) draft Biodiversity Gain Statement for Nationally Significant Infrastructure Projects which was published in May 2025. The National Policy Statement for Water Resources Infrastructure and good practice principles and guidance relating to BNG was also used to compile this Biodiversity Gain Plan.
3. The Biodiversity Gain Plan defines a BNG baseline area within the Order Limits to ensure the BNG assessment is proportionate to the Project's impacts. Areas within the Order Limits that are not impacted by the proposed works are excluded from the BNG baseline area.
4. No statutory designated sites are present within the BNG baseline area. A total of four non-statutory designated sites (all Sites of Importance for Nature Conservation) are located within the BNG baseline area. Irreplaceable habitats are limited to veteran/ancient trees which the Project commits to retain and protect.
5. The majority of land within the BNG baseline area comprises of cropland, modified grassland and developed land alongside smaller areas of woodlands, other neutral grassland and scrub.
6. The pre-development baseline for habitats within the BNG baseline area have been calculated as having a value of:
    a. 1142.82 Area-based Habitat Units
    b. 133.27 Hedgerow Units
    c. 12.48 Watercourse Units
7. The Project has applied the mitigation hierarchy throughout the design phase to avoid biodiversity loss wherever possible. Key measures include adoption of tunnelling and trenchless techniques to avoid sensitive habitats and a reinstatement strategy whereby temporary affected low-value habitats (e.g. cropland) are restored to their former condition within two years wherever practicable.
8. Habitat creation and enhancement measures have been identified within the Order Limits including measures to be delivered within and around Above Ground Plant sites and within Environmental Mitigation and Enhancement Areas. The specific measures to be delivered are detailed in the Design Principles Document (Document reference 5.11, DCO Volume 5).
9. The Project has considered the finalised Hampshire County Council Local Nature Recovery Strategy (LNRS) in the context of its approach to BNG through the proposal of habitat creation or enhancement in suitable locations that have been identified within the LNRS.

10. Following the construction of the Project and assuming the implementation of the habitat creation and enhancements, the post-development biodiversity value for habitats within the BNG baseline area is calculated as having a value of:
    a. 1087.16 Area-based Habitat Units
    b. 116.91 Hedgerow Units
    c. 11.59 Watercourse Units
11. When compared to the baseline, this equates to a biodiversity unit change of:
    a. - 55.36 Area-based Habitat Units
    b. - 16.36 Hedgerow Units
    c. - 0.89 Watercourse Units
12. Engagement has been undertaken with various local landowners in the development of this Biodiversity Gain Plan, and these are ongoing. To better understand the availability of biodiversity units in the current market, conversations have been held with three local habitat banking organisations who have biodiversity units registered on the biodiversity gain sites register. Discussions with the Environment Bank, Wild Capital and Nature Gain indicate a strong pipeline of unit availability. All three organisations have indicated that they can deliver the full suite of biodiversity units of habitat types required by the Project.
13. This Biodiversity Gain Plan also includes an Outline Habitat Management and Monitoring (HMMP) which provides an overview of the Project's indicative significant on-site enhancements and how these are proposed to be created/enhanced, managed and monitored for at least 30 years.
14. An updated Biodiversity Gain Plan will be submitted to the relevant authority for approval in accordance with the relevant Requirement in Schedule 2 to the draft Development Consent Order (Document reference 3.1, DCO Volume 3). This will confirm the number of biodiversity units needed, taking into account the design post-consent and detail exactly how the residual biodiversity unit deficit to meet the biodiversity gain objective will be delivered on-site and off-site. It will also include an updated HMMP for the management of the on-site BNG.

1 Introduction

1.1 Overview of Biodiversity Gain Plan

1.1.1 The Applicant is seeking a Development Consent Order (DCO) for the Hampshire Water Treatment and Water Recycling Project (HWTWRP) (hereafter referred to as the 'Project').

1.1.2 Biodiversity Net Gain (BNG) is an approach to development that aims to leave biodiversity in a measurably better state than beforehand.

1.1.3 The National Policy Statement for water resources infrastructure (NPSWRI) [1] states that "*Development should contribute to and enhance the natural environment by providing net gains for biodiversity".* The Applicant has committed to delivering at least 10% BNG for the Project and has prepared this Biodiversity Gain Plan setting out its approach to the delivery of BNG.

1.1.4 The Department for Environment, Food and Rural Affairs (Defra) consulted on BNG for Nationally Significant Infrastructure Projects in May 2025 [2] and the Applicant has had regard to the draft Biodiversity Gain Statement and proposed policy positions and expectations set out in the consultation when preparing this Biodiversity Gain Plan.

1.1.5 The information which the consultation indicated should be included in a Biodiversity Gain Plan submitted at DCO application [2] and where the relevant information is located in the Biodiversity Gain Plan are outlined in Table 1-1.

Table 1-1 Biodiversity Gain Plan requirements

Defra Consultation Biodiversity Gain Plan Requirement	Location of Relevant Information within Biodiversity Gain Plan, if applicable
Details of the person completing and submitting the plan and the development to which the plan relates.	Sections 1.2 and 1.3
Information about the steps taken or to be taken to minimise the adverse effect of the development on the biodiversity of the on-site habitat and any other habitat.	Section 2.3
The pre-development biodiversity value of the on-site habitat.	Section 4
The post-development biodiversity value of the on-site habitat.	Section 5
The post-development biodiversity value of the on-site habitat for each phase of development (only if a phased approach to BNG is taken).	Section 5
Strategy to meet the biodiversity gain objective, including the proposed use of off-site gains and credits (if applicable).	Section 6
The date used to calculate the pre-development biodiversity value of on-site habitats.	Section 2.4

Defra Consultation Biodiversity Gain Plan Requirement	Location of Relevant Information within Biodiversity Gain Plan, if applicable
If activities have been carried out prior to the date of application that result in loss of on-site biodiversity value (i.e. degradation): • A statement setting out that degradation activities have been carried out. • Confirmation of the date immediately before these activities were carried out. • The pre-development biodiversity value of the on-site habitat on this date. • The completed metric calculation tool showing the calculations. • Any available supporting evidence of this.	Sections 2.3-2.4
The completed biodiversity metric calculation tool(s), stating the publication date of the tool(s), and showing the calculation of the pre-development on-site value on the relevant date, and post-development biodiversity value.	Statutory Biodiversity Metric provided in Appendix D
Arrangements for maintenance and monitoring of significant on-site habitat enhancement (habitat management and monitoring plan, and details of how these enhancements are secured).	Outline Habitat Management and Monitoring Plan (HMMP) provided in Appendix E
Pre-development and post-development plans showing the location of on-site habitat (including any irreplaceable habitat) on the relevant date and drawn to an identified scale and showing the direction of North.	Appendices B and C
A description of any irreplaceable habitat on the land to which the plan relates which exists on the relevant date, and where necessary, a compensation plan for any impacts of the development on the irreplaceable habitat.	Section 4.3

1.1.6 An updated Biodiversity Gain Plan will be produced and submitted to the relevant authority for approval in accordance with the corresponding requirement in Schedule 2 to the draft DCO (Document reference 3.1, DCO Volume 3) (see section 6.8).

1.2 Responsible persons

1.2.1 This Biodiversity Gain Plan has been prepared by Arup, by a suitably experienced BNG specialist who is a Full Member of the Chartered Institute of Ecology and Environmental Management (CIEEM) and a Chartered Environmentalist with more than 25 years of experience of ecological and biodiversity consultancy.

1.3 Project description

1.3.1 The Project is located within the administrative boundaries of the following local planning authorities (LPAs; listed east to west):

1. East Hampshire District Council
2. Havant Borough Council
3. Portsmouth City Council
4. Winchester City Council
5. Fareham Borough Council
6. Eastleigh Borough Council
7. Hampshire County Council

1.3.2 The Project comprises the construction, operation and maintenance of the following components:

1. Water Recycling Plant (WRP) (Work Number 1) and associated pumping stations.
2. Pipelines between Budds Farm Wastewater Treatment Works (WTW) and the WRP site (Work Number 2).
3. Pipelines between the WRP site and Bedhampton Springs (Work Number 3), connecting to pipelines being delivered by Portsmouth Water between Bedhampton Springs and Havant Thicket Reservoir.
4. Pipeline between the WRP site and Otterbourne Water Supply Works (WSW) (Work Number 4).
5. Above Ground Plant (AGP) (Work Number 5) comprising Intermediate Pumping Stations (IPSs), and Break Pressure Tanks (BPT) located along the Pipeline between the WRP site and Otterbourne WSW.

1.3.3 The Project would also comprise the use of the following infrastructure:

1. Havant Thicket Reservoir (which has been consented separately by Portsmouth Water and is currently under construction) for the storage of recycled water.
2. The existing Eastney Long Sea Outfall (LSO), Eastney Pumping Station (PS), and associated Eastney Transfer Tunnel (TT) for the release of reject water from the WRP site. Pipelines and other related works (which have been consented separately by Portsmouth Water) for the transfer of recycled water and source water between Bedhampton Springs and Havant Thicket Reservoir.

1.3.4 The construction and operation of the Project would be supported by other temporary and permanent works.

1.3.5 The Outline CEMP applies to all construction works, including reinstatement of land over the pipeline and the installation of AGP.

1.3.6 The Project would require the demolition, disassembly and/or temporary relocation of a number of small structures.

1.3.7 While the Applicant is not seeking consent for decommissioning, it is recognised that the Project may require decommissioning at the end of its operational life. Any

future decommissioning works would follow good industry practice and would comply with all relevant statutory requirements applicable at the time. The Applicant is therefore not submitting an Outline Decommissioning Environmental Management Plan as part of the DCO application.

1.3.8 A detailed description of the Project can be found in ES Chapter 3 Description of the Proposed Development, Volume I (Document reference 6.1, DCO Volume 6).

2 Approach to Biodiversity Net Gain

2.1.1 This section describes the approach taken in relation to BNG for the Project. It sets out how the biodiversity values associated with the Project (both pre-development and post-development) have been calculated and how the Statutory Biodiversity Metric (SBM) (Version 1.0.4, published 3 July 2025) and associated User Guide [3] have been applied. Additional details regarding data collection and application of the SBM are provided in Appendix A.

2.2 Relevant policy and guidance

National Policy Statement for Water Resources Infrastructure

2.2.1 NPSWRI [1] was published in July 2025. It states (in paragraph 4.3.21) that *"Development should contribute to and enhance the natural environment by providing net gains for biodiversity. Applicants should use the latest version of the biodiversity metric to calculate their biodiversity baseline and inform their biodiversity net gain outcomes and should present this data as part of their application*." The Applicant has committed to the delivery of at least 10% BNG and has used the latest version of the SBM (version 1.0.4) in calculating the outcomes of the Project on biodiversity.

2.2.2 Paragraph 4.3.21 then states that "*Biodiversity net gain can be delivered on-site, within the development footprint. Applications for development consent should include details of any proposed on-site biodiversity gains*." Proposed on-site biodiversity gains in relation to the Project are included within section 6.2.

2.2.3 Paragraph 4.3.22 states that BNG provision can also be delivered wholly or partially off-site. It states that "*any off-site delivery of biodiversity net gain should also be set out within the application for development consent. When delivering biodiversity net gain off-site, developments should do this in a manner that best contributes to the achievement of relevant wider strategic outcomes, for example by increasing habitat connectivity or enhancing other ecosystem service outcomes. Reference should be made to relevant national or local plans and strategies, such as green infrastructure strategies or Nature Recovery Networks, to inform off-site biodiversity net gain*." The Local Nature Recovery Strategy for Hampshire has been considered by the Project and is described in section 2.8 and section 5.3.

2.2.4 The use of BNG best practice and guidance is encouraged with paragraph 4.3.22 stating that "*Applicants are encouraged to refer to industry good practice principles and guidance for development before preparing their application*." The Applicant has referenced recognised industry guidance in developing its approach to BNG, as set out in paragraph 2.2.6.

2.2.5 It goes further by stating in paragraph 4.3.23 that "*Development proposals potentially provide many opportunities for building in beneficial biodiversity or geological features as part of good design. When considering proposals, the Secretary of State should consider whether the Applicant has maximised such opportunities in and around developments*." The Applicant has sought to deliver net gain through good design on-site, as set out in section 5.

Adoption of good practice principles and guidance

2.2.6 The Project has referred to the following industry recognised good practice guidance in developing its approach to BNG:

1. CIEEM, IEMA & CIRIA (2016) Biodiversity Net Gain: Good Practice Principles for Development [4]
2. CIEEM, IEMA & CIRIA (2019) Biodiversity Net Gain: Good Practice Principles for Development - A Practical Guide [5]
3. British Standard 8683 Process for designing and implementing Biodiversity Net Gain - Specification (2021) [6]

2.2.7 Furthermore, the UK Government has provided guidance - 'What Counts Towards Your BNG' [7] - for developments delivering BNG pursuant to the Town and Country Planning Act 1990. As such, and to align with this guidance, mitigation measures for protected sites, habitats and species that involve the delivery of habitat creation or enhancement within the Order Limits have been counted towards the post-development biodiversity value for the Project where the guidance allows this.

2.3 Approach to baseline area

2.3.1 There are large areas of land (c.353ha) within the Order Limits that will not be subject to any works that result in habitat loss or degradation. Delivering at least 10% BNG against a baseline that comprises the full extent of the Order Limits (658.60ha) would therefore not be proportionate to the impacts of the Project on biodiversity.

2.3.2 As such, certain areas within the Order Limits have been excluded from the baseline area (hereafter referred to as the BNG baseline area) for the purposes of determining the pre-development biodiversity value, and their extents and justification for their exclusion are set out in Table 2-1.

Table 2-1 Project components excluded from Biodiversity Net Gain Assessment

Project Component	Area (ha)	Justification for exclusion
Havant Thicket Reservoir	295.5	This is a Portsmouth Water project, which is being delivered under a separate planning permission. There is no construction or new development proposed at Havant Thicket Reservoir and as such no temporary or permanent habitat loss as a result of the Project.
Eastney LSO, PS, & TT	1.5	These are existing items of infrastructure. There is no construction or new development proposed at these items of infrastructure and as such no temporary or permanent habitat loss as a result of the Project.
Tunnelled sections of the pipeline routes	55	Tunnelling has been adopted in several locations in order to avoid potential impacts to high value biodiversity resources. There is no above ground construction in these areas and therefore no temporary or permanent habitat loss as a result of the Project[1].

[1] Temporary construction compounds associated with the pipeline route are included in the BNG baseline area.

Project Component	Area (ha)	Justification for exclusion
Trenchless sections of the pipeline routes	1	Trenchless techniques have been adopted in several locations in order to avoid potential impacts to high value biodiversity resources. There is no above ground construction in these areas and therefore no temporary or permanent habitat loss as a result of the Project[1].
Total excluded area from BNG	353	

2.3.3 The BNG baseline area for the Project is outlined in Appendix B.

2.4 Date of evaluation of habitats

2.4.1 Baseline habitat surveys for the Project have been carried out to inform the approach to design and this Biodiversity Gain Plan, and these necessarily pre-date the date of the DCO application. Surveys commenced in 2022 and were completed in 2025. Baseline survey dates and methodologies are provided in Appendix A.

2.5 Habitat baseline values and degradation

2.5.1 The landscape within which the Project is to be located is dominated by agricultural (arable and pasture) land that is likely to be managed rotationally, at a landscape scale, without materially affecting the baseline biodiversity value or causing degradation. As such, it is considered that the pre-development biodiversity value of the on-site habitat as set out in this Biodiversity Gain Plan is an accurate representation of the pre-development biodiversity value of the on-site habitat within the BNG baseline area.

2.6 Determining impacts

2.6.1 Within the BNG baseline area, a maximum construction area has been used to determine the extent of habitat losses. This comprises the loss of habitats across an assumed 40m working width, as well as losses at the locations of any temporary or permanent infrastructure locations outside of the working width, such as temporary construction compound locations, access roads and sites for AGP. The way in which these losses are treated in the metric is considered in section 2.7.

2.7 Reinstatement

2.7.1 Most of the pipeline route crosses open arable or pasture-land of low biodiversity value, which will be reinstated back to its former condition within less than two years. As per the SBM User Guide, these types of temporarily impacted areas have been classified as retained within the SBM.

2.7.2 Conversely, anything that requires more than two years to reattain its former condition (such as moderate or good condition hedgerow and scrub) has been classified as lost within the SBM, even where this habitat is reinstated in situ. This type of reinstatement is instead included as created habitat within the SBM.

2.7.3 The reinstatement strategy for the Project is described within the Outline Landscape and Ecology Management Plan (LEMP) (Document reference 7.5, DCO Volume 7). Detailed LEMPs will be prepared for approval post-consent in accordance with the relevant requirement in Schedule 2 to the draft DCO (Document reference 3.1, DCO Volume 3).

2.7.4 Whilst trees cannot be planted directly on top of the pipeline, the Outline LEMP allows for a range of native shrub species (blackthorn *Prunus spinosa*, elder *Sambucus nigra*, hazel *Corylus avellana* and privet *Ligustrum vulgare*) to be used in these locations to reinstate hedgerows or other pre-existing linear features (such as tree lines) that create habitat connectivity.

2.7.5 Moving outwards from this central zone, a wider range of shrubs (including hawthorn *Crataegus monogyna*) may be planted beyond 3m of the pipeline, small trees from 5m of the pipeline, and large trees and woodland blocks from 10m either side of the pipeline.

2.7.6 Most of the agricultural hedgerows to be lost to the pipeline route are limited in species diversity or species-poor. As set out in paragraphs 2.7.1 and 2.7.2, these have been classified in the SBM as retained if in poor condition, or lost and then created if in moderate or better condition. Either way, reinstating these using the range of native shrub species described in paragraphs 2.7.4 and 2.7.5 will result in them being of at least equal biodiversity value to the hedgerow sections being lost, once established.

2.8 Local Nature Recovery Strategy

2.8.1 Hampshire County Council (HCC) published a draft Local Nature Recovery Strategy (LNRS) [8] for public consultation between 12 May and 23 June 2025. It was published in its final form in December 2025.

2.8.2 The Project has considered the finalised LNRS in the context of its approach to BNG through the proposal of habitat creation or enhancement in suitable locations that have been identified within the LNRS. Further information on these locations has been provided in section 5.3.

2.8.3 The Planning Advisory Service (PAS) has published guidance on how Strategic Significance (SS) should be recorded. This guidance is referenced within the SBM User Guide [3]. As such, the guidance has been followed for the purpose of calculating the pre-development and post-development biodiversity value for the Project, whereby all on-site baseline habitats have been marked as low SS and any post development habitats which meets a specific measure at a specific location within the finalised LNRS have been marked as high SS.

2.9 Stakeholder engagement

2.9.1 The Applicant has engaged with stakeholders on its approach to BNG throughout the pre-application stage.

2.9.2 Details of the proposed approach to BNG (including to the BNG baseline area) were shared with the Technical Working Group (TWG - comprising Natural England, the Environment Agency and the Marine Management Organisation).

Further updates were provided at a number of subsequent TWG meetings, including on:

1. Details of the approach being taken to measure gains and losses
2. The outcomes of initial calculations
3. The proposals for delivering gain through on-site design and off-site contributions

2.9.3 Regard has been had to feedback on the proposed approach.

2.9.4 In addition, each of the LPAs referenced in section 1.3 has been briefed on the proposed approach to BNG, including via a number of Environmental Working Group (EWG) meetings, and have been engaged with regarding the (current and likely future) availability of off-site biodiversity units within their respective jurisdictions (see section 6 for further details).

2.9.5 A separate meeting was held with the Partnership for South Hampshire in order to understand a more regional/strategic perspective on the potential delivery of BNG.

2.9.6 Engagement has also taken place with HCC, including on matters such as the use of Hampshire Biodiversity Information Centre (HBIC) data (ecological network mapping etc.), and the development of the LNRS.

2.9.7 Engagement has also been undertaken with a range of landowners, Wildlife Trusts and local planning authorities, as described in section 6.

3 Approach to reducing impacts

3.1.1 This section describes the approach taken in relation to avoiding and minimising potentially adverse impacts on biodiversity from the Project.

3.1.2 The approach taken has followed the BNG Good Practice Principles for Development [4] which has included applying the mitigation hierarchy through design to avoid biodiversity loss wherever possible (Principle 1), prioritising the avoidance of loss of biodiversity that cannot be offset elsewhere (Principle 2), and being inclusive and equitable (Principle 3) through its stakeholder engagement process.

3.1.3 To avoid and reduce potential impacts to habitats, a range of measures have been embedded into the Project, as follows:

1. Prioritising the avoidance of adverse impacts on high-value biodiversity features, such as statutory designated sites (e.g. Sites of Special Scientific Interest) and irreplaceable habitats (e.g. ancient woodland)
2. Avoiding and minimising the loss of any other very high, high and medium distinctiveness habitats, including Habitats of Principal Importance (HPI), where reasonably practicable, especially those where there is uncertainty around the effectiveness of reinstatement, such as wetland habitats

3.1.4 Avoidance measures, including tunnelling beneath urban conurbations and trenchless construction works beneath watercourses (e.g. Main Rivers), will eliminate potentially adverse impacts on biodiversity. This includes the adoption of a methodology that excludes groundwater and therefore any dependant ecological features and the installation of pipelines at depths that will avoid interaction with active bed sediments.

3.1.5 Furthermore, temporary impacts on very high or high distinctiveness habitats (such as temporary construction compound locations that intersect with areas of woodland, high value grasslands, flood risk zones and floodplain habitat) have been avoided, where reasonably practicable.

3.1.6 At a more localised level, the Project has also been designed to utilise, where practicable, existing gaps in vegetation, to reduce vegetation loss and reduce the creation of new (albeit temporary) gaps in linear vegetation features. Regular internal design team meetings were held to create a feedback loop between the evolving design and assessment processes, enabling consideration of design changes to avoid or reduce impacts further, and more informed decision-making in general. This has resulted in elements of redesign to avoid predicted impacts to potentially veteran trees (and their root protection areas) and reductions in proposed working widths when intersecting hedgerow and/or tree line features.

4 Pre-development biodiversity value

4.1.1 This section sets out the pre-development biodiversity value of the on-site habitat.

4.2 Ecological and landscape context

Statutory designated sites

4.2.1 No statutory designated sites are present within the BNG baseline area.

Non-statutory designated sites

4.2.2 The following non-statutory designated sites are present within the BNG baseline area:

1. Field to the west of Gillman Road Site of Importance for Nature Conservation (SINC), south of Portsdown Hill Road
2. Motte & Bailey & Chalk Pit SINC, East of B2177, Southwick
3. Kimber's Copse SINC, north of Winters Hill
4. Fielders Farm Meadows (Eastleigh) SINC, south of Fisher's Pond

4.2.3 Non-statutory designated sites and their descriptions are detailed in ES Appendix 8.1 Designated Sites, Volume II (Document reference 6.2, DCO Volume 6) and shown spatially in ES Figure 8.3 Non-statutory designated sites within the desk study area, Volume III (Document reference 6.3, DCO Volume 6).

4.3 Irreplaceable habitats

4.3.1 The Biodiversity Gain Requirements (Irreplaceable Habitat) Regulations 2024 sets out a list of irreplaceable habitats within England [9]. Irreplaceable habitats are technically very difficult (or take a very significant time) to restore, recreate or replace once destroyed, and therefore the 10% BNG requirement does not apply to irreplaceable habitat because it would be impossible to achieve the requirement to increase biodiversity on top of no net loss [2].

4.3.2 The following ancient and veteran trees are listed as irreplaceable habitats in the aforementioned Regulations within the BNG baseline area:

1. One ancient common beech *Fagus sylvatica* tree recorded in Pipelines between the WRP site and Bedhampton Springs
2. One veteran English oak *Quercus robur* recorded in Section F: Boarhunt to Crockerhill of the Pipeline between WRP site and Otterbourne WSW (Work No.4C)
3. Two veteran English oak trees recorded in Section K: River Hamble to Lower Upham of the Pipeline between WRP site and Otterbourne WSW (Work No.4)
4. Three veteran English oak trees recorded in Section L: Lower Upham to Brambridge of the Pipeline between WRP site and Otterbourne WSW (Work No.4)

4.3.3 These trees and their locations are shown in Appendix B.

4.3.4 All the veteran and ancient trees are being retained as part of the Project and are therefore classified as retained within the SBM. The Project has committed to no loss or deterioration of veteran and ancient trees as detailed in the Outline Construction Environmental Management Plan (CEMP) (Document reference 7.1, DCO Volume 7).

4.3.5 There are no other irreplaceable habitats within the BNG baseline area.

4.4 Baseline habitats and biodiversity units

Habitat types

4.4.1 Most of the land within the BNG baseline area comprises extensive agricultural and urban areas with large areas of modified grassland, cropland and developed land; sealed surface, alongside smaller areas of woodland, other neutral grassland and scrub.

4.4.2 Full descriptions of these habitats are detailed in ES Appendix 8.2, Habitats, Volume II (Document reference 6.2, DCO Volume 6) and Annex A of ES Appendix 8.2, Volume II (Document reference 6.2, DCO Volume 6).

4.4.3 Table 4-1 lists all the habitat types (using the UK Habitat Classification System (UKHab) Version 2.0 [10]) identified within the BNG baseline area and the habitat they translate to within the SBM. Habitat maps that show the habitats present within the BNG baseline area are shown in Appendix B.

Table 4-1 UK Habitat Classification System to Statutory Biodiversity Metric habitat translation

UKHab Habitat Type	SBM Habitat Type
c1a – Arable field margins	Cropland – Arable field margins tussocky
c1a5 – Arable field margins - tussocky	Cropland – Arable field margins tussocky
c1b – Temporary grass and clover leys	Cropland – Temporary grass and clover leys
c1c – Cereal crops	Cropland – Cereal crops
c1c7 – Other cereal crops	Cropland – Cereal crops
c1d – Non-cereal crops	Cropland – Non-cereal crops
c1f – Horticulture	Cropland – Horticulture
f2e – Reedbeds	Wetland - Reedbeds
g1d – Other lowland acid grassland	Grassland – Other lowland acid grassland
g2a – Lowland calcareous grassland	Grassland – Lowland calcareous grassland
g3c – Other neutral grassland	Grassland – Other neutral grassland
g3c5 – Arrhenatherum neutral grassland	Grassland – Other neutral grassland

UKHab Habitat Type	SBM Habitat Type
g3c6 – Lolium-Cynosurus neutral grassland	Grassland – Other neutral grassland
g3c7 – Deschampsia neutral grassland	Grassland – Other neutral grassland
g3c8 – Holcus-Juncus neutral grassland	Grassland – Other neutral grassland
g4 – Modified grassland	Grassland – Modified grassland
h3d – Bramble scrub	Heathland and shrub – Bramble scrub
h3f – Hawthorn scrub	Heathland and shrub – Hawthorn scrub
h3h – Mixed scrub	Heathland and shrub – Mixed scrub
u1b – Developed land – sealed surface	Urban – Developed land; sealed surface
u1b5 – Buildings	Urban – Developed land; sealed surface
u1b6 – Other developed land	Urban – Developed land; sealed surface
u1c – Artificial unvegetated – unsealed surface	Urban – Artificial unvegetated, unsealed surface
u1f – Sparsely vegetated urban land	Sparsely vegetated land – Ruderal/Ephemeral
t2d – Intertidal mudflats	Intertidal sediment – Littoral mud
w1d – Wet woodland	Woodland and forest – Wet woodland
w1f – Lowland mixed deciduous woodland	Woodland and forest – Lowland mixed deciduous woodland
w1f7 – Other lowland mixed deciduous woodland	Woodland and forest – Lowland mixed deciduous woodland
w1g – Other broadleaved woodland	Woodland and forest – Other woodland; broadleaved
w1h – Other woodland - mixed	Woodland and forest – Other woodland; mixed
w2c – Other coniferous woodland	Woodland and forest – Other coniferous woodland
r1 – Standing open water and canals	Lakes – ponds (non-priority habitat)
r1a6 – Other eutrophic standing waters	Lakes – Ornamental lake or pond
Secondary code – 80 – Open mosaic habitats on previously developed land	Urban – Open mosaic habitats on previously developed land
Secondary code – 19 – Coastal and floodplain grazing marsh	Grassland – Floodplain wetland mosaic and Coastal Floodplain Grazing Marsh (CFGM)
Secondary code – 200 – Tree	Individual trees – Rural or Urban tree
N/A	Intertidal hard structures – Artificial hard structures

UKHab Habitat Type	SBM Habitat Type
h2a - Native hedgerow	Native hedgerow, Native hedgerow - associated with bank or ditch
h2a5 - Species-rich native hedgerow	Species-rich native hedgerow, Species-rich native hedgerow – associated with bank or ditch
h2a6 - Other native hedgerow	Native hedgerow
h2b – Non-native and ornamental hedgerow	Non-native ornamental hedgerow
Secondary code – 11 – Hedgerow with trees	When assigned to h2 - hedgerow: Native hedgerow with trees, Species-rich native hedgerow with trees, Native hedgerow with trees – associated with bank or ditch, Species-rich native hedgerow with trees – associated with bank or ditch.
Secondary code – 33 – Line of Trees	When assigned to w – woodland and forest: Line of trees
Secondary code – 34 – Ecologically valuable line of trees	When assigned to w – woodland and forest: Ecologically valuable line of trees
Secondary code – 50 - Ditch	When assigned to r – Rivers and lakes: Ditches

Biodiversity units

4.4.4 The pre-development baseline habitats within the BNG baseline area have been calculated as having a value of:

1. 1142.82 Area-based Habitat Units
2. 133.27 Hedgerow Units
3. 12.48 Watercourse Units

4.4.5 Areas were extracted from ArcGIS mapping using the British National Grid co-ordinate system. Diameter at breast height data collected during the arboriculture surveys were used to inform tree area calculations using the SBM tree helper tool. Appendix A sets out how the SBM was used to calculate these figures.

5 Post-development biodiversity value

5.1 On-site provision of Biodiversity Net Gain

5.1.1 Habitat creation and enhancement measures have been identified within the Order Limits, including:

1. Measures to be delivered within and around AGP sites
2. Measures to be delivered or that could be delivered within Environmental Mitigation and Enhancement Areas (EMEAs)

5.1.2 The specific measures to be delivered are detailed in the Design Principles Document (Document reference 5.11, DCO Volume 5); the locations of these are shown in the Works plans (Document reference 2.3, DCO Volume 2). The DPD draws a distinction between 'environmental mitigation' and 'additional environmental enhancement' areas within the EMEAs. Environmental mitigation means the Applicant's proposals to mitigate the potential adverse environmental effects of the Proposed Development which may take a number of different forms including habitat creation to mitigate vegetation loss as well as improving or enhancing existing habitats. The Applicant is seeking appropriate powers of compulsory acquisition to safeguard the delivery of the environmental mitigation. As well as environmental mitigation, the Project also seeks to provide additional environmental enhancement within the Order Limits, for example habitat improvements adjacent to construction working areas. These enhancements are not necessary for the delivery of the Proposed Development and therefore consent is sought to deliver these environmental enhancements, but these will only be implemented subject to securing agreements with landowners.

5.1.3 These measures to be delivered within and around AGP sites and within EMEAs have been included in the post-development biodiversity calculations for the purposes of this Biodiversity Gain Plan. The Biodiversity Gain Plan will be updated post-consent and the updated Plan will set out the areas within the Order Limits on which BNG will be delivered. Habitat maps that show the habitats present within the post-development BNG habitats are shown in Appendix C.

5.2 Above Ground Plant

5.2.1 Habitat creation and enhancement measures that will be delivered at AGP locations comprise:

1 The extension of native hedgerow habitat (including the replacement of non-native with native hedgerow) around AGP boundaries

2 Areas of grassland (e.g. other neutral grassland), scrub (e.g. mixed scrub), tree line and woodland habitats (e.g. other woodland; broadleaved) within and around AGPs

3 The provision of sustainable drainage systems

5.3 Environmental Mitigation and Enhancement Areas

5.3.1 A number of EMEAs have been identified within the BNG baseline area, which could be used for the purposes of mitigation, enhancements and BNG provision [7]. Measures that could be delivered on these EMEAs include:

1. Extensions of existing woodland with additional lowland mixed deciduous woodland (w1f) planting, to increase their extent and resilience in the longer term
2. Further areas of lowland mixed deciduous woodland (w1f) planting to increase tree cover and connectivity, including to support screening of Welborne Garden Village and in the area of Wickham Park Golf Club
3. Lowland calcareous grassland (g2a) habitat creation to support Portsdown Hill Site of Special Scientific Interest. The Hampshire LNRS includes a measure of restoration of grassland towards species-rich grasslands in this location; therefore, High Strategic Significance has been assigned in this instance.
4. Native hedgerow (h2a) habitat creation and enhancement where field boundary hedgerows are absent, gappy, or in poor condition
5. Areas of landscape integration planting beyond the boundaries of the AGP, such as species-rich grassland seeding and tree and scrub planting, including to connect into adjacent woodland features

5.3.2 Some of the EMEAs have been identified for the purposes of delivering BNG in alignment with potential habitat creation/enhancement measures identified within the Hampshire LNRS. As a result, the outline design includes the following that could be used for BNG provision, subject to agreement with landowners:

1. Wet woodland (w1d) habitat creation on an area of modified grassland
2. Enhancement of four areas of modified grassland to become species-rich, other neutral grassland (g3c). Where these locations overlap with Hampshire LNRS measures of restoration of grassland towards species-rich grasslands, High Strategic Significance has been assigned

5.4 On-site post-development habitats and biodiversity units

Habitat types

5.4.1 Habitats within the BNG baseline area that are temporarily removed (i.e. can be restored to both baseline type and condition within two years of the initial impact) for the open-cut construction of the Pipeline will be restored to the same habitat type and condition following construction of the Project, excluding the areas where this is not possible due to the constraints of planting over the pipeline, as outlined in section 2.7.

5.4.2 Table 5-1 outlines how post-development habitats have been classified as either retained, enhanced or created within the SBM.

Table 5-1 Description of post development habitat status

Post-development habitat status	Description
Retained habitat: Habitat avoided	Habitats unaffected by the Project and will be protected during construction by the detailed CEMP.
Retained habitat: Habitat reinstatement treated as retention	This applies to habitats that can be restored to their original type and condition within two years of removal. These habitats are classified as retained within the SBM.
Created habitat: Habitat reinstatement treated as habitat creation	This applies to habitats that are reinstated but not to their original type and condition within two years of removal. These habitats are classified as created within the SBM.
Created habitat: Habitat creation on-site	Applies when the existing habitat is lost and replaced with another habitat. These habitats are classified as created within the SBM and are applicable to newly created habitats within the EMEAs and AGPs.
Enhanced habitat: Enhancements to retained habitats on-site	This applies to habitats that are retained and there is an improvement in its condition or a change to a higher distinctiveness habitat within the same broad habitat type compared to the baseline. These habitats are classified as enhanced and applicable to habitats that could be improved as part of the EMEAs.

Biodiversity units

5.4.3 Following the construction of the Project, and assuming the implementation of the habitat creation and enhancements, the post-development biodiversity value of the on-site habitats is calculated as:

1. 1087.16 Area-based Habitat Units
2. 116.91 Hedgerow Units
3. 11.59 Watercourse Units

5.4.4 Refer to Appendix A for the methodology on how the SBM was used to calculate these figures.

5.5 Summary of change pre- to post-development on-site

5.5.1 Graphic 5-1 and Graphic 5-2 extracts from the SBM and show the headline results and summarise the changes in biodiversity units generated for the broad habitat categories present during the baseline and post-development mapping. Maps of the pre-development biodiversity value and the post-development biodiversity value, and the completed SBM, are provided in Appendices B, C and D respectively.

Graphic 5-1 Headline results from Statutory Biodiversity Metric

FINAL RESULTS		
Total net unit change (Including all on-site & off-site habitat retention, creation & enhancement)	*Area habitat units*	-55.66
	Hedgerow units	-16.36
	Watercourse units	-0.89
Total net % change (Including all on-site & off-site habitat retention, creation & enhancement)	*Area habitat units*	-4.87%
	Hedgerow units	-12.28%
	Watercourse units	-7.14%

Graphic 5-2 Unit deficit to achieve a 10% gain

Unit Type	Target	Baseline Units	Units Required	Unit Deficit
Area habitat units	10.00%	1142.82	1257.10	169.94
Hedgerow units	10.00%	133.27	146.60	29.69
Watercourse units	10.00%	12.48	13.73	2.14

Area-based habitats

5.5.2 The pre-development biodiversity value of the on-site habitat for the Project consists of 1142.82 Area-based Habitat Units. Assuming the on-site habitat retention, creation and enhancement set out in sections 5.1- 5.3, there would be a combined net biodiversity unit change of -55.66 Area-based Habitat Units. Therefore, a further 169.94 Area-based Habitat Units would be required off-site to achieve a 10% net gain.

Hedgerow habitats

5.5.3 The pre-development biodiversity value of the on-site habitat for the Project consists of 133.27 Hedgerow Units. Assuming the on-site habitat retention, creation and enhancement set out in sections 5.1- 5.3, there would be a combined net biodiversity unit change of -16.36 Hedgerow Units. Therefore, a further 29.69 Hedgerow Units would be required off-site to achieve a 10% net gain.

5.5.4 The pipeline element of the Project results in the unavoidable loss of approximately 4.57km of hedgerow, predominantly located within third party land. These sections of hedgerow will be reinstated in situ once construction in that area is completed, as per the specification summarised in section 2.7.

5.5.5 Given that these are small-scale reinstatements of pre-existing sections of hedgerow in the landscape, back to their original condition and not specifically for the purposes of increasing biodiversity value, these have been determined to be non-significant enhancements.

5.5.6 It is expected that they will reattain their former condition (or better) once established. These reinstated sections of hedgerow have been included in the SBM calculations to contribute to the post-development biodiversity value.

Watercourse habitats

5.5.7 The pre-development biodiversity value of the on-site habitat for the Project includes 12.48 Watercourse Units. Assuming the on-site habitat retention and creation set out in sections 5.1-5.3, there would be a combined net biodiversity unit change of -0.89 Watercourse Units. Therefore, a further 2.14 Watercourse Units would be required off-site to achieve a 10% net gain.

5.5.8 The pipeline element of the Project results in the unavoidable loss of approximately 0.21km of watercourse, predominantly located within third party land. These sections of watercourse will be reinstated in situ once construction in that area is completed.

5.5.9 Given that these are small-scale reinstatements of pre-existing sections of watercourse in the landscape, back to their original condition and not specifically for the purpose of increasing biodiversity value, these have been determined to be non-significant enhancements.

5.5.10 It is expected that they will reattain their former condition (or better) once reinstated. These reinstated sections of watercourse have been included in the SBM calculations to contribute to the post-development biodiversity value.

6 Achieving the biodiversity gain objective

6.1.1 This section sets out how the Project will deliver at least a 10% net gain.

6.2 On and off-site provision

6.2.1 The Project has adopted an approach where BNG provision will be a combination of delivery on-site (within the Order Limits) and off-site. This aligns with the requirements set out in the NPSWRI.

6.2.2 The off-site requirement described in section 6.3 assumes the delivery of the on-site BNG described in section 5. Post-consent, an update to the Biodiversity Gain Plan will be delivered in accordance with the relevant requirement in Schedule 2 to the draft DCO (Document reference 3.1, DCO Volume 3), which will confirm the onsite BNG that will be delivered.

6.3 Approach to off-site delivery

6.3.1 Engagement has been undertaken with various local landowners in the development of this Biodiversity Gain Plan, and these are ongoing. Organisations with whom the Applicant has engaged include:

1. Eastleigh Borough Council
2. Havant Borough Council
3. Portsmouth City Council
4. Winchester City Council
5. Hampshire and Isle of Wight Wildlife Trust
6. Environmental Farmers Group
7. South Downs National Park Authority
8. Environment Bank
9. Wild Capital
10. Nature Gain

6.3.2 Of those, to better understand the availability of biodiversity units in the current market, conversations have been held with three local habitat banking organisations who have biodiversity units registered on the biodiversity gain sites register. These are the Environment Bank [11], Wild Capital [12] and Nature Gain [13].

6.3.3 In keeping with the Good Practice Principles, off-site BNG provision will be prioritised within areas that are local to the Project (within one of the relevant local authority areas or landscape character areas within which the Project falls), where reasonably practicable to do so.

6.3.4 Table 6-1 outlines the number of off-site biodiversity units calculated to be required, assuming provision within these local areas (i.e. without the application of additional spatial multipliers), to meet a 10% net gain in biodiversity for the Project.

Table 6-1 Biodiversity units estimated to be required to meet 10% Biodiversity Net Gain

Habitat Type	Number of biodiversity units required to meet the 10% BNG requirement
Other neutral grassland[2]	94.04
Hedgerows	29.69
Lowland mixed deciduous woodland	2.62
Watercourses	2.14
Open mosaic habitat on previously developed land	73.28
Total	**201.77**

6.3.5 Discussions with the Environment Bank, Wild Capital and Nature Gain indicate a strong pipeline of unit availability. All three organisations have indicated that they can deliver the full suite of units of habitats types required by the Project, including watercourses and open mosaic habitat, operating a 'build to order' system. As such, commercial discussions with all three organisations are ongoing, and similar discussions are being held with the South Downs National Park Authority.

6.3.6 Further detail on the approach in relation to each habitat category/type is set out in section 6.4-6.7.

6.4 Widely-available biodiversity units

6.4.1 The Project requires units of certain habitat types that are widely available in the local habitat bank market. These include:

1. Modified grassland (or other equivalent low distinctiveness habitats)
2. Other neutral grassland
3. Hedgerows
4. Lowland mixed deciduous woodland

6.4.2 The precise number of biodiversity units of these types that will need to be delivered off-site will not be known until post-consent.

6.4.3 The relevant number of biodiversity units will therefore be secured from a suitable provider (habitat bank or other appropriate local partner), prior to commencement of construction of the relevant part. Details of the number and type of units secured and the supplier from which they have been sourced will be set out in the updated Biodiversity Gain Plan that will be submitted for approval post-consent, along with confirmation that the units have been allocated to the Project.

[2] Inclusive of modified grassland (or other equivalent low distinctiveness habitats)

6.5 Watercourse biodiversity units

6.5.1 As with more widely available units, the organisations with whom commercial discussions are taking place have provided quotes that indicate that they can provide the full number of watercourse units required.

6.5.2 The relevant number of watercourse units will therefore be secured from a suitable provider (habitat bank or other appropriate local partner) prior to commencement of construction of the relevant part. Details of the number and type of units secured and the supplier from which they have been sourced will be set out in the updated Biodiversity Gain Plan that will be submitted for approval post-consent, along with confirmation that the units have been allocated to the Project.

6.6 Open Mosaic Habitat on previously developed land biodiversity units

6.6.1 Two options (or a combination of both options) are currently considered to be available to the Project with respect to compensating for predicted impacts to Open Mosaic Habitat (OMH) at the WRP site:

1. The first option will be for the acquisition of OMH units from a Registered Provider and delivery of these off-site. This would meet the trading rules associated with the SBM by delivering like-for-like habitat of high distinctiveness. Despite the limited availability of registered OMH units on the open market at the current time, the suppliers with whom commercial discussions have taken place all indicated an ability to supply the full requirement of OMH units, locally, on a 'build to order' basis. Without this opportunity, there would be a potential need for this compensation to be delivered in locations that are substantially distant from the Project (which then reduces the benefits associated with more local delivery, including to the local community and fails to achieve Principle 8 of the SBM).
2. The second option will be to apply (Trading) Rule 4, which allows for the deviation from standard trading rules in exceptional circumstances and specific scenarios, if needed. This would permit the identification of an area of land within the same administrative boundary where an alternative (but broadly comparable) habitat to OMH could be delivered (or units of that habitat could be purchased if available). In this instance, this could involve the creation of a species-rich grassland community that is focused on providing support for an equivalent assemblage of flora and fauna species to that being lost, such that the biological functionality of the lost habitat is replicated and maintained. Discussions held on this topic with Havant Borough Council have resulted in an agreement in principle to pursuing this option further.

6.6.2 This approach aligns with the Defra consultation on Improving the implementation of BNG for minor, medium and brownfield development published in May 2025 [14]. Within this Consultation, Defra stated that they were giving consideration to "*allowing the loss of OMH habitats to be compensated for with an alternative habitat mosaic with similar ecological benefits, when there is no OMH habitat available off-site*".

6.7 Wood pasture and parkland habitat

6.7.1 Wood pasture and parkland habitat occurs within the BNG baseline area. Only the grassland component of the wood pasture and parkland is present within the Order Limits. The only impact to that habitat is the temporary loss and subsequent reinstatement of the grassland. All mature, veteran or ancient trees within this habitat are being intentionally avoided by the Project, so as to maintain the character and structure of the wood pasture and parkland and the features that underpin the habitat's distinctiveness.

6.7.2 As such, this area has been represented in the SBM calculation as bespoke compensation. This is due to the other neutral grassland component of wood pasture and parkland, both at pre-development and post-development stages, being reinstated back to its former condition (thus not adversely impacting the wood pasture and parkland in the longer term) and additional other neutral grassland compensation, associated with this short-term loss, being provided to meet the BNG objective. Discussions held on this topic with Winchester City Council have resulted in an agreement in principle to this approach.

6.8 Delivery in parts

6.8.1 The Biodiversity Gain Plan may be updated post-consent to set out the approach to delivery of BNG in parts, including how each part is expected to contribute towards the delivery of BNG. If such an approach is to be taken, further Biodiversity Gain Plans for each part may be submitted for approval prior to the commencement of such part.

6.9 Post-consent actions

6.9.1 An updated Biodiversity Gain Plan will be submitted to the relevant authority for approval in accordance with the relevant Requirement in Schedule 2 to the draft DCO (Document reference 3.1, DCO Volume 3).

6.9.2 This will confirm the number of biodiversity units needed, taking into account the design post-consent and detail exactly how the residual biodiversity unit deficit to meet the biodiversity gain objective will be delivered on-site and off-site. It will also include a Habitat Management and Monitoring Plan for the management of the on-site BNG.

6.10 Management and monitoring

6.10.1 Details of the management and monitoring of indicative significant on-site gains are provided within the Outline HMMP in Appendix E of this Plan.

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Appendix A Data collection and metric calculations

A.1 Data collection

The following data sources have been used to complete the BNG assessment:

A.1.1 Publicly available Open-Source Natural England [15] datasets for Habitats of Principal Importance (HPI), ancient woodland (classed as irreplaceable habitat), statutory designated sites for nature conservation and local data sets from Hampshire Biodiversity Information Centre (HBIC).

A.1.2 Habitat survey data was collected between April 2022 and March 2025 by experienced ecologists (all surveys were led by an ecologist with a Field Identification Skills Certificate of Level 3+) as part of the baseline habitat surveys for the Project. Where possible, surveys were undertaken in the optimal survey period. Watercourse surveys and ditch condition assessments were undertaken by experienced ecologists with Modular River Physical (MoRPh) accreditation in the optimal survey window in 2022 as part of the baseline freshwater surveys for the Project. This data included baseline habitat information comprising UKHab types for area habitats, hedgerows and watercourses in addition to habitat condition assessments following the SBM condition assessments within the SBM User Guide [3] and MoRPh survey guidelines [16].

A.1.3 Arboricultural data were used to inform the condition assessment and classification of trees within the BNG baseline area. Arboricultural data were collected by suitability experienced arboriculturists and is detailed in ES Appendix 13.5 Arboricultural Impact Assessment, Volume II (Document reference 6.2, DCO Volume 6).

A.1.4 Habitat and watercourse surveys were not undertaken in all areas of the Project due to land access constraints. Where surveys were not carried out, a desk-based assessment, using Ordnance Survey MasterMap, aerial imagery and publicly available datasets, was undertaken and a precautionary assumption of good condition was applied. For hedgerows and woodlands, a further precautionary assumption of assigning habitats of greater species diversity (e.g. species-rich native hedgerows or lowland mixed deciduous woodland) was also applied. This is applicable to c.11ha of area habitats (3.8% of total BNG baseline area) including cropland, scrub, grassland, urban and woodland habitats, c.2km of hedgerow (15% of total hedgerows in the BNG baseline area) and c.0.1km of watercourse (6% of total watercourses in the BNG baseline area).

A.1.5 ArcGIS mapping in British National Grid co-ordinate system was used to extract area and length measurements. The Tree Helper tool within the SBM was used to calculate areas for trees using diameter at breast height data collected during the arboricultural surveys. The Tree Helper tool was also used to calculate areas for trees Post-Development, applying the assumption that all newly planted trees are ‘small’, as per the SBM User Guide.

A.1.6 The habitats desk study is detailed in ES Appendix 8.2 Habitats, Volume II (Document reference 6.2, DCO Volume 6).

A.2 Limitations

A.2.1 In some instances, UKHab surveys were not conducted within the optimal period, for cropland with no arable field margins and urban parcels. However, this was not considered to be a limitation due to the nature of the habitats.

A.2.2 Where habitats were not subject to a UK Habitat and Condition Assessment walkover survey or river condition assessment (for example, due to land access constraints), a precautionary approach has therefore been assumed at this stage and all un-surveyed habitats have been assumed to be in good condition.

A.3 Biodiversity Metric calculations

A.3.1 To measure changes in biodiversity, the SBM is used to quantify the biodiversity losses and gains resulting from development. Area Habitat Units, Hedgerow Units and Watercourse Units are each considered separately within the SBM.

A.4 Terrestrial Statutory Biodiversity Metric calculations

A.4.1 The SBM calculates the biodiversity value of each parcel of habitat within the Project (measured in biodiversity units). Area-based habitat units are measured in hectares (ha) whilst linear habitats (i.e. for hedgerows and watercourses) are measured in kilometres (km). The value of each habitat type is adjusted to site specific circumstances, considering distinctiveness, condition and its strategic significance. As per the SBM User Guide, when a LNRS is published, the baseline strategic significance values for habitat parcels in that area are marked as low within the SBM. A score is applied to each component, which when multiplied with the habitat area produces a value that represents the number of biodiversity units associated with each habitat parcel. The sum of these scores across the BNG baseline area represents the overall baseline or 'pre-development' value in biodiversity units.

A.5 Watercourse Statutory Biodiversity Metric calculations

A.5.1 To determine the baseline value in terms of watercourse units, four key components are assessed and inputted to the SBM (along with the length of watercourse inside/within 10m of the BNG baseline area). These are:

1. River distinctiveness
2. Strategic significance
3. River condition
4. Watercourse and riparian encroachment

A.6 MoRPh Survey

A.6.1 The MoRPh survey method [17] was used to calculate conditions for flowing watercourses and records features from bank top (floodplain), bank face (including

channel margins) and channel bed. A single MoRPh survey is referred to as a 'module'. In accordance with assessment guidance, five contiguous modules were surveyed to characterise a sub-reach of watercourses. This set of five modules is known as a 'MoRPh5' survey.

A.6.2 Module length was dictated by channel width. Where the average watercourse width was less than 5m, a module length of 10m was applied. Module lengths increased in increments of 10m with each 5m increase in average MoRPh river width, up to a maximum module length of 50m for average widths greater than 30m.

A.6.3 Survey guidance [16] stipulates that a minimum of 20% of the length of a watercourse within the boundary of a proposed development is covered. In this instance, the BNG baseline area is equivalent to the boundary. The length of a single MoRPh5 survey was generally equivalent to 20% of the length of the watercourse within the BNG baseline area. Depending on the length of watercourse within the BNG baseline area and module lengths, it may be necessary to undertake multiple MoRPh5 surveys.

A.6.4 Module (MoRPh) and sub-reach (MultiMoRPh between five and 10 concurrent modular surveys) surveys were conducted in the field using the MoRPh survey method, focusing on a single river channel and its immediate margins (banks and land area within 10m of the bank edges).

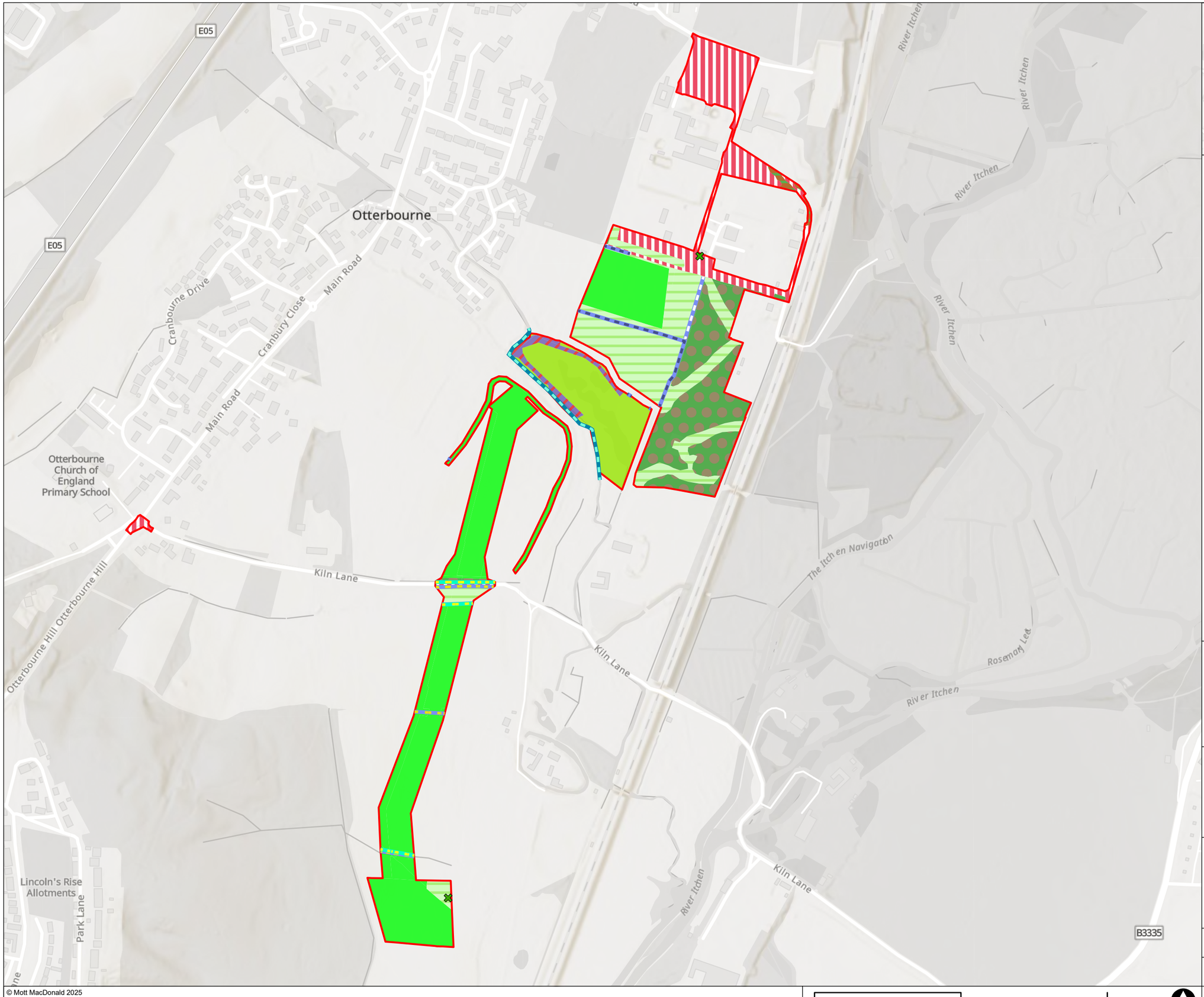
A.6.5 MoRPh field surveys were conducted at low flow (typically between April and November) to capture information on both vegetation and physical properties of the river and its margins.

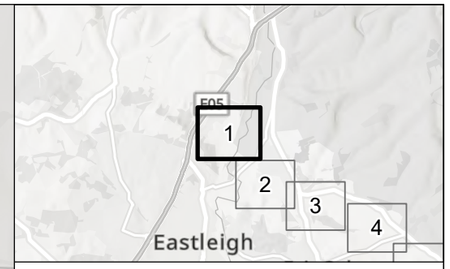
A.6.6 The results of each module are averaged over the five modules that form a MoRPh5 survey, features are then assigned a score based on negative or positive indicators. The combination of field and desk study data enables a final condition score for the waterbody within the development area, based on 32-condition, positive or negative indicators that are automatically extracted from MoRPh5 field surveys plus river type information.

A.6.7 Where it was not possible to undertake MoRPh surveys within the BNG baseline area due to land access constraints or health and safety concerns, MoRPh5 surveys were located as close as possible to the area. Some surveys were also located outside of the BNG baseline area due to post-survey design changes that resulted in the relocation of watercourse crossing points. It is considered that this is not a significant limitation of the assessment as the selected survey sites were representative of the watercourses.

A.6.8 Where watercourses could not be accessed due to land access constraints, aerial imagery and a precautionary approach was applied to watercourse and riparian zone encroachment, assigning 'Major' encroachment where relevant, this is applicable to c.1km of watercourses within the BNG assessment boundary (48% of total watercourses).

Appendix B UK Habitat Classification map – Baseline





- Biodiversity Net Gain Boundary
- Rural tree
- r1, 50 - Ditch
- h2a - Native hedgerow
- h2a5 - Species-rich native hedgerow
- h2a5, 11 - Species-rich native hedgerow with trees
- r2 - Rivers and streams
- Developed land; sealed surface
- Floodplain wetland mosaic and CFGM
- Hawthorn scrub
- Lowland mixed deciduous woodland
- Mixed scrub
- Modified grassland
- Other neutral grassland
- Other woodland; broadleaved
- Other woodland; mixed
- Watercourse footprint

Coordinate system: British National Grid; Datum: OSGB 1936

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UK Habitat Classification
Sheet 1 of 17

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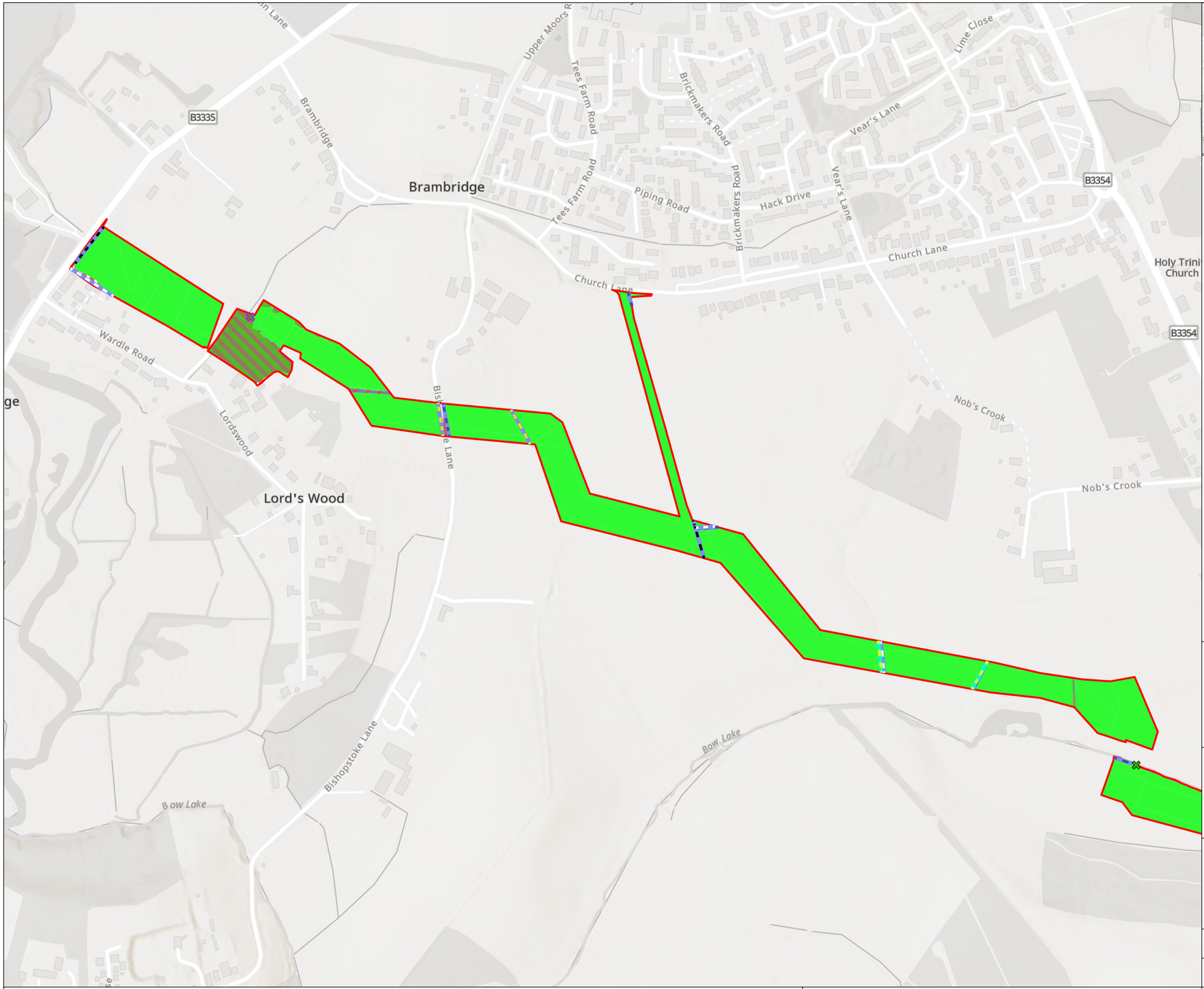

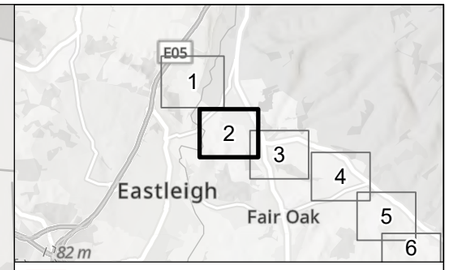

- Biodiversity Net Gain Boundary
- Rural tree
- Rural tree (Irreplaceable habitat)
- r1, 50 - Ditch
- h2a - Native hedgerow
- h2a, 11 - Native hedgerow with trees
- h2a5 - Species-rich native hedgerow
- h2a5, 11 - Species-rich native hedgerow with trees
- Bramble scrub
- Developed land; sealed surface
- Mixed scrub
- Modified grassland
- Other woodland; broadleaved
- Watercourse footprint
- Wet woodland

Coordinate system: British National Grid; Datum: OSGB 1936

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UK Habitat Classification
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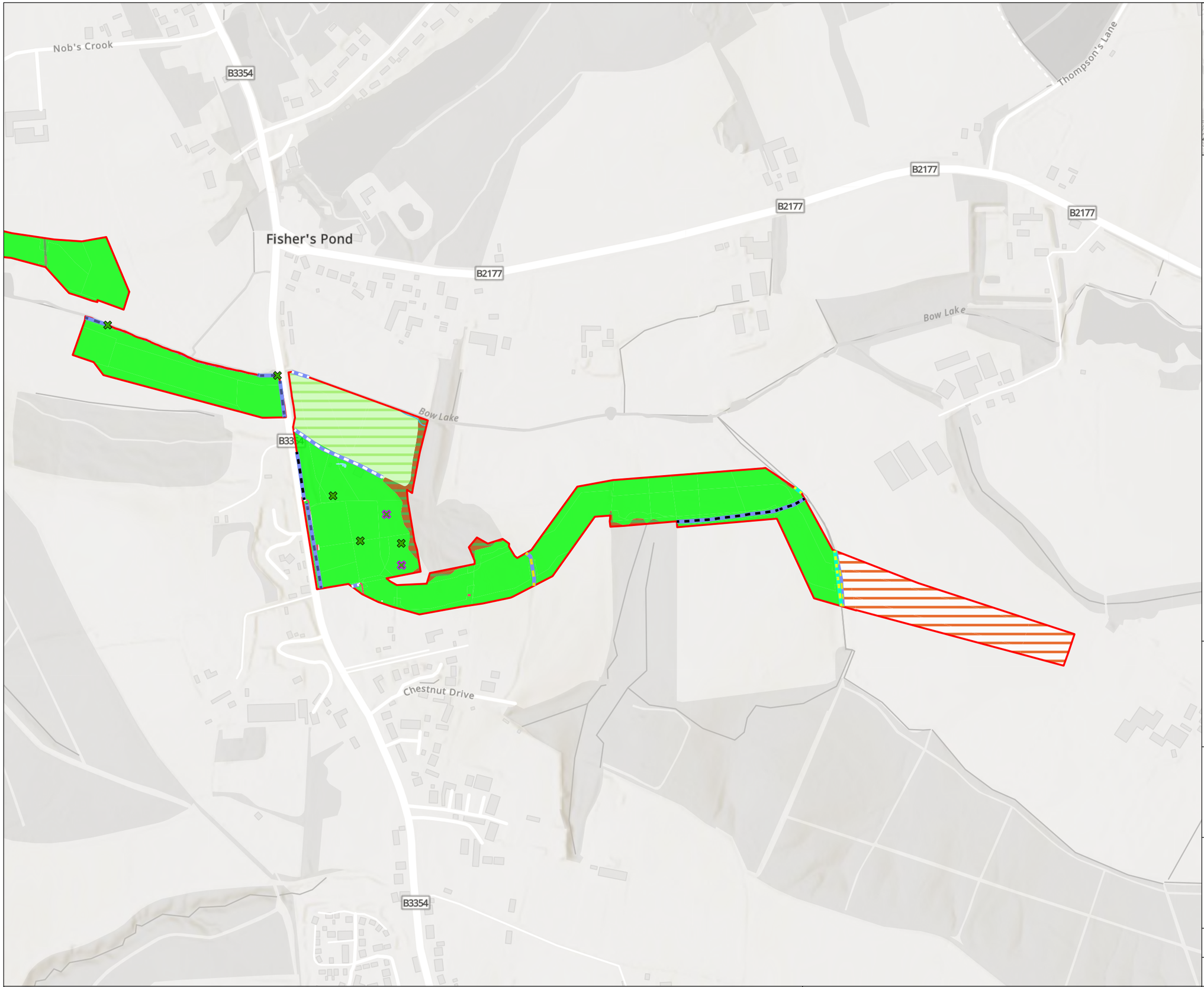

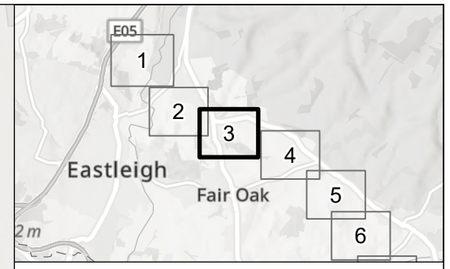

- Biodiversity Net Gain Boundary
- Rural tree
- Rural tree (Irreplaceable habitat)
- r1, 50 - Ditch
- h2a - Native hedgerow
- h2a, 11 - Native hedgerow with trees
- h2a5 - Species-rich native hedgerow
- h2a5, 11 - Species-rich native hedgerow with trees
- Cereal crops
- Developed land; sealed surface
- Lowland mixed deciduous woodland
- Mixed scrub
- Modified grassland
- Other neutral grassland
- Other woodland; broadleaved
- Ponds (non-priority habitat)
- Watercourse footprint

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UK Habitat Classification
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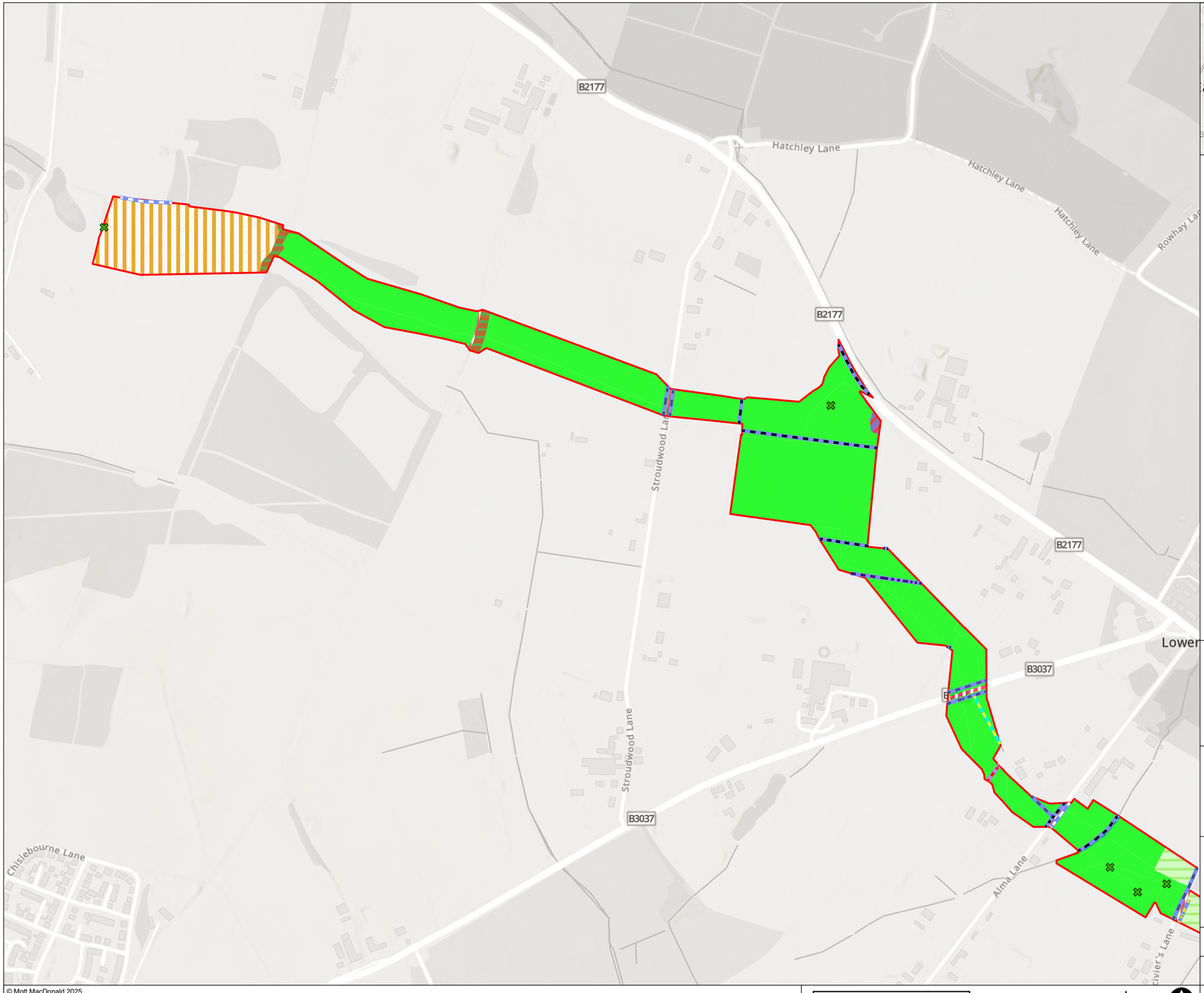

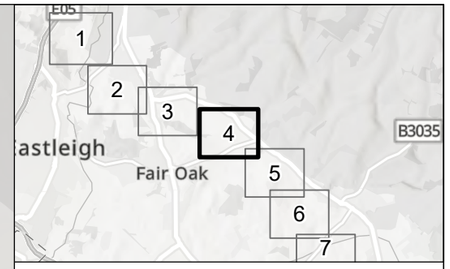

- Biodiversity Net Gain Boundary
- Rural tree
- r1, 50 - Ditch
- h2a - Native hedgerow
- h2a, 11 - Native hedgerow with trees
- h2a5 - Species-rich native hedgerow
- h2a5, 11 - Species-rich native hedgerow with trees
- h2a6 - Other native hedgerow
- h2b - Non-native and ornamental hedgerow
- r2 - Rivers and streams
- Cereal crops
- Developed land; sealed surface
- Lowland mixed deciduous woodland
- Mixed scrub
- Modified grassland
- Other neutral grassland
- Temporary grass and clover leys
- Watercourse footprint

Coordinate system: British National Grid; Datum: OSGB 1936

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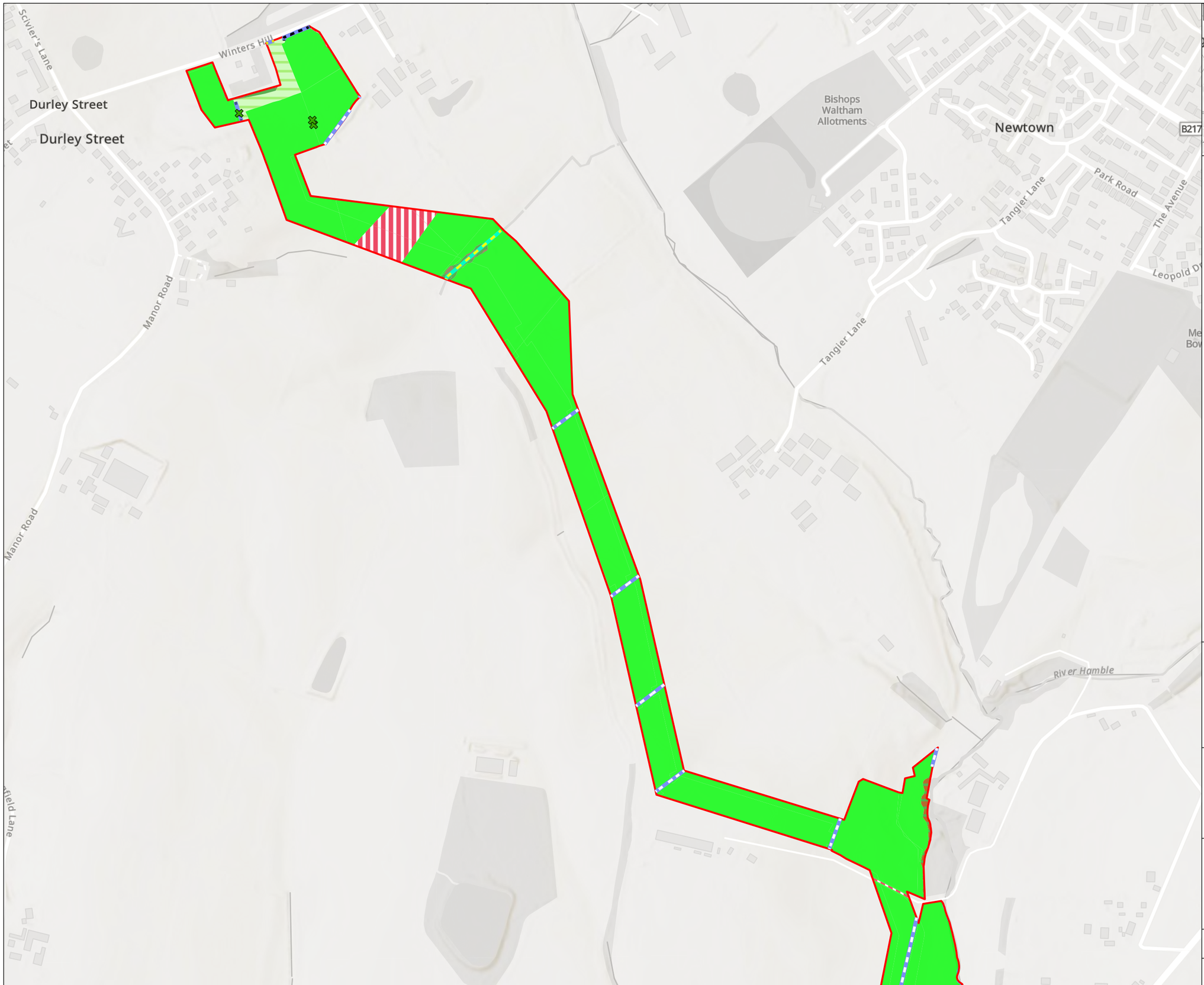

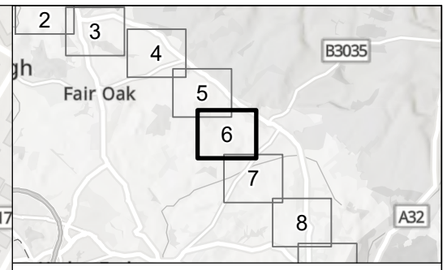

- Biodiversity Net Gain Boundary
- Rural tree
- r1, 50 - Ditch
- h2a - Native hedgerow
- h2a, 11 - Native hedgerow with trees
- h2a5 - Species-rich native hedgerow
- h2a5, 11 - Species-rich native hedgerow with trees
- Artificial unvegetated, unsealed surface
- Developed land; sealed surface
- Lowland mixed deciduous woodland
- Modified grassland
- Other lowland acid grassland
- Other neutral grassland
- Other woodland; broadleaved
- Watercourse footprint
- Wet woodland

Coordinate system: British National Grid; Datum: OSGB 1936

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UK Habitat Classification
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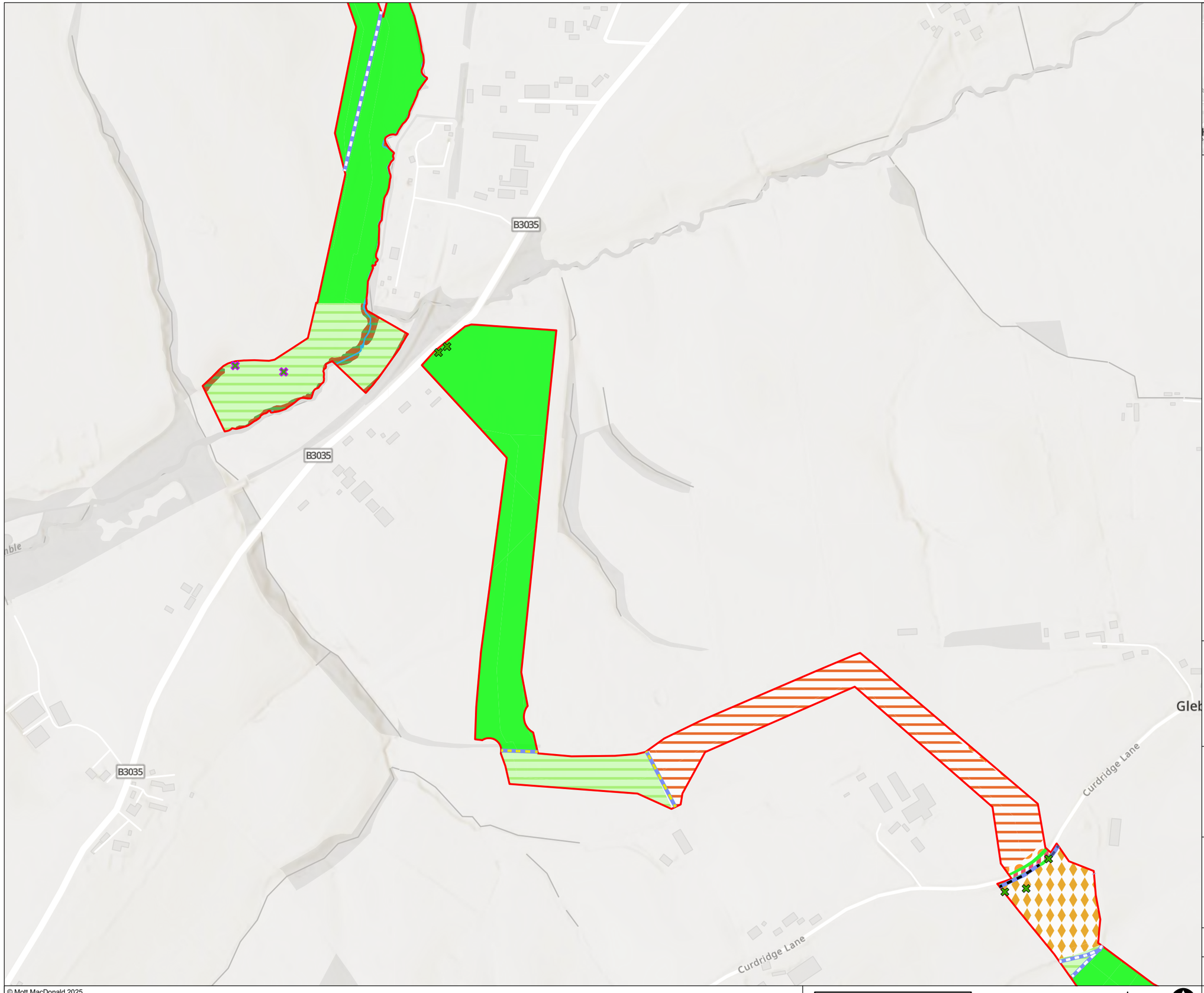

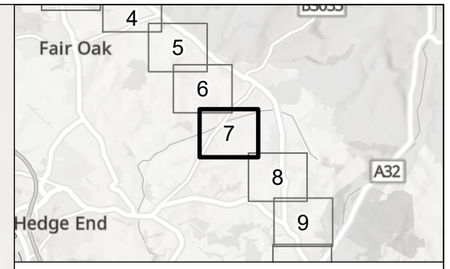

- Biodiversity Net Gain Boundary
- Rural tree
- Rural tree (Irreplaceable habitat)
- h2a - Native hedgerow
- h2a, 11 - Native hedgerow with trees
- h2a5 - Species-rich native hedgerow
- h2a5, 11 - Species-rich native hedgerow with trees
- Arable field margins tussocky
- Cereal crops
- Developed land; sealed surface
- Horticulture
- Lowland mixed deciduous woodland
- Modified grassland
- Other neutral grassland
- Other woodland; broadleaved
- Watercourse footprint

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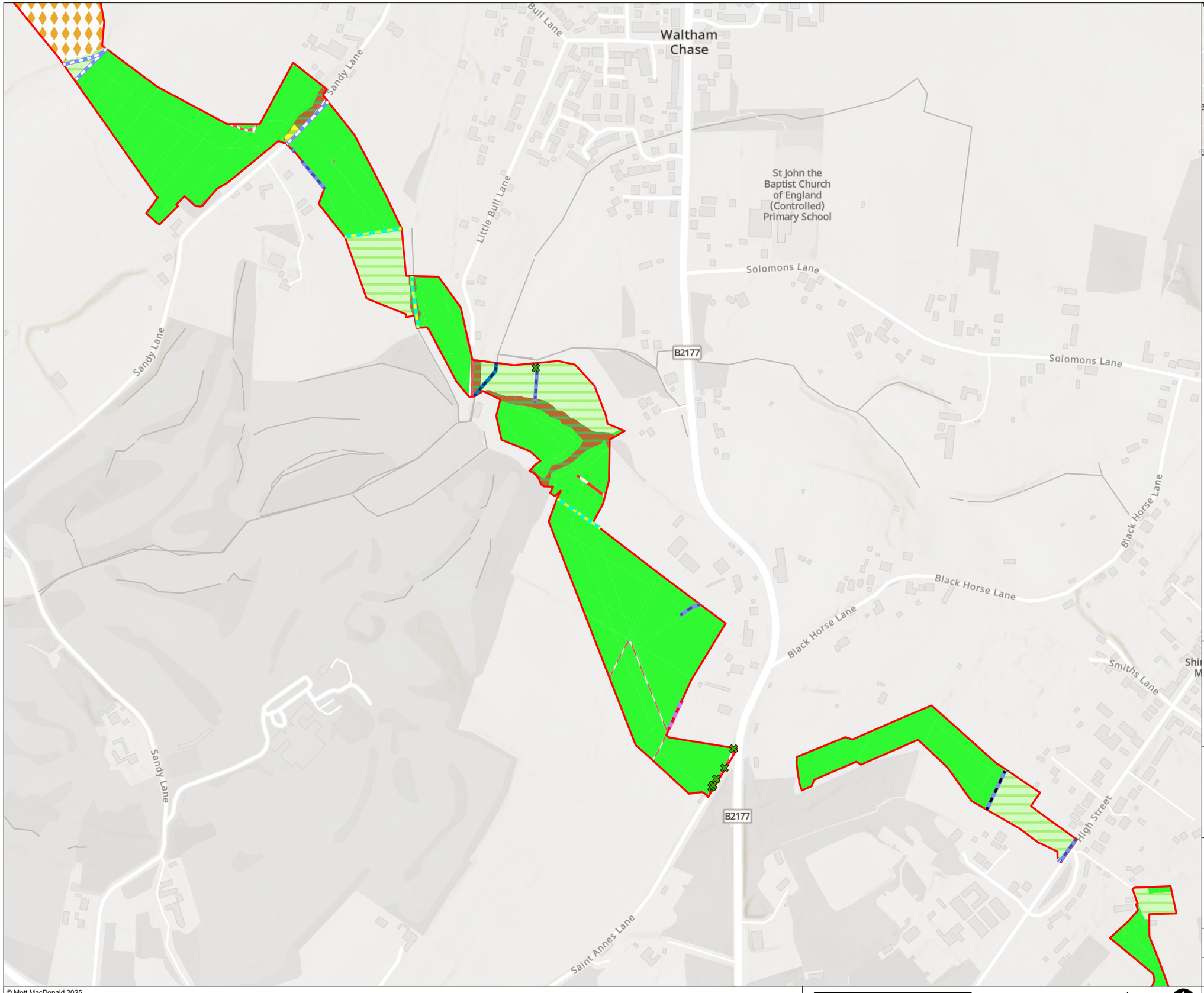

- Biodiversity Net Gain Boundary
- Rural tree
- r1, 50 - Ditch
- h2a - Native hedgerow
- h2a, 11 - Native hedgerow with trees
- h2a5 - Species-rich native hedgerow
- h2b - Non-native and ornamental hedgerow
- r2b - Other rivers and streams
- Artificial unvegetated, unsealed surface
- Bramble scrub
- Built linear features
- Cereal crops
- Developed land; sealed surface
- Horticulture
- Lowland mixed deciduous woodland
- Modified grassland
- Other coniferous woodland
- Other neutral grassland
- Other woodland; broadleaved
- Watercourse footprint

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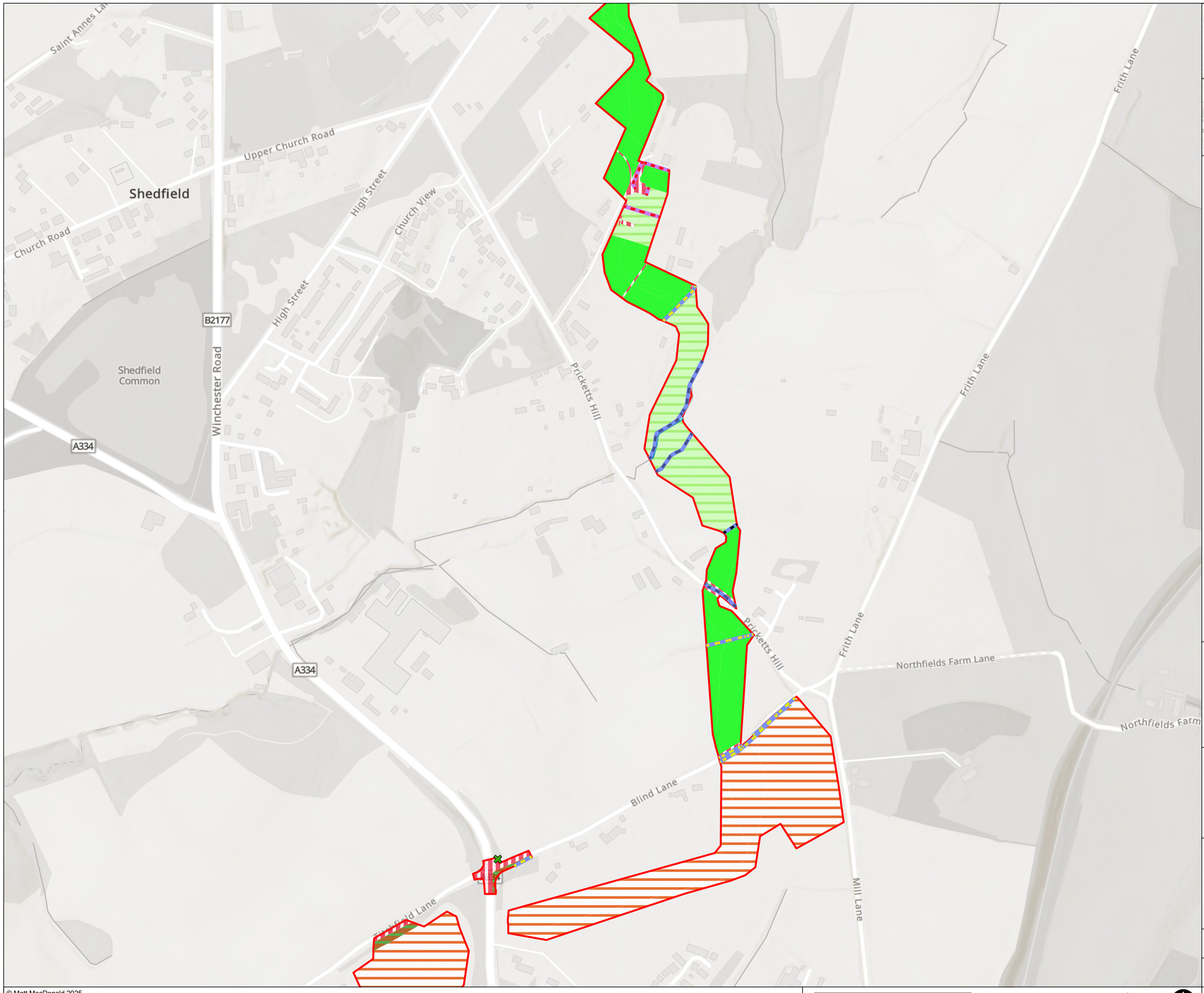

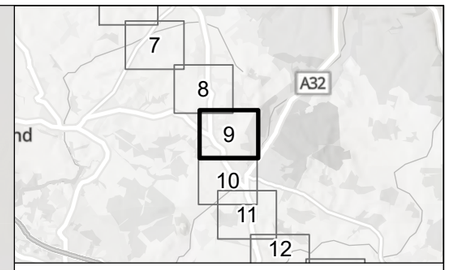

- Biodiversity Net Gain Boundary
- Rural tree
- h2a - Native hedgerow
- h2a, 11 - Native hedgerow with trees
- h2a5, 11 - Species-rich native hedgerow with trees
- h2b - Non-native and ornamental hedgerow
- r2 - Rivers and streams
- Cereal crops
- Developed land; sealed surface
- Lowland mixed deciduous woodland
- Modified grassland
- Other neutral grassland
- Watercourse footprint

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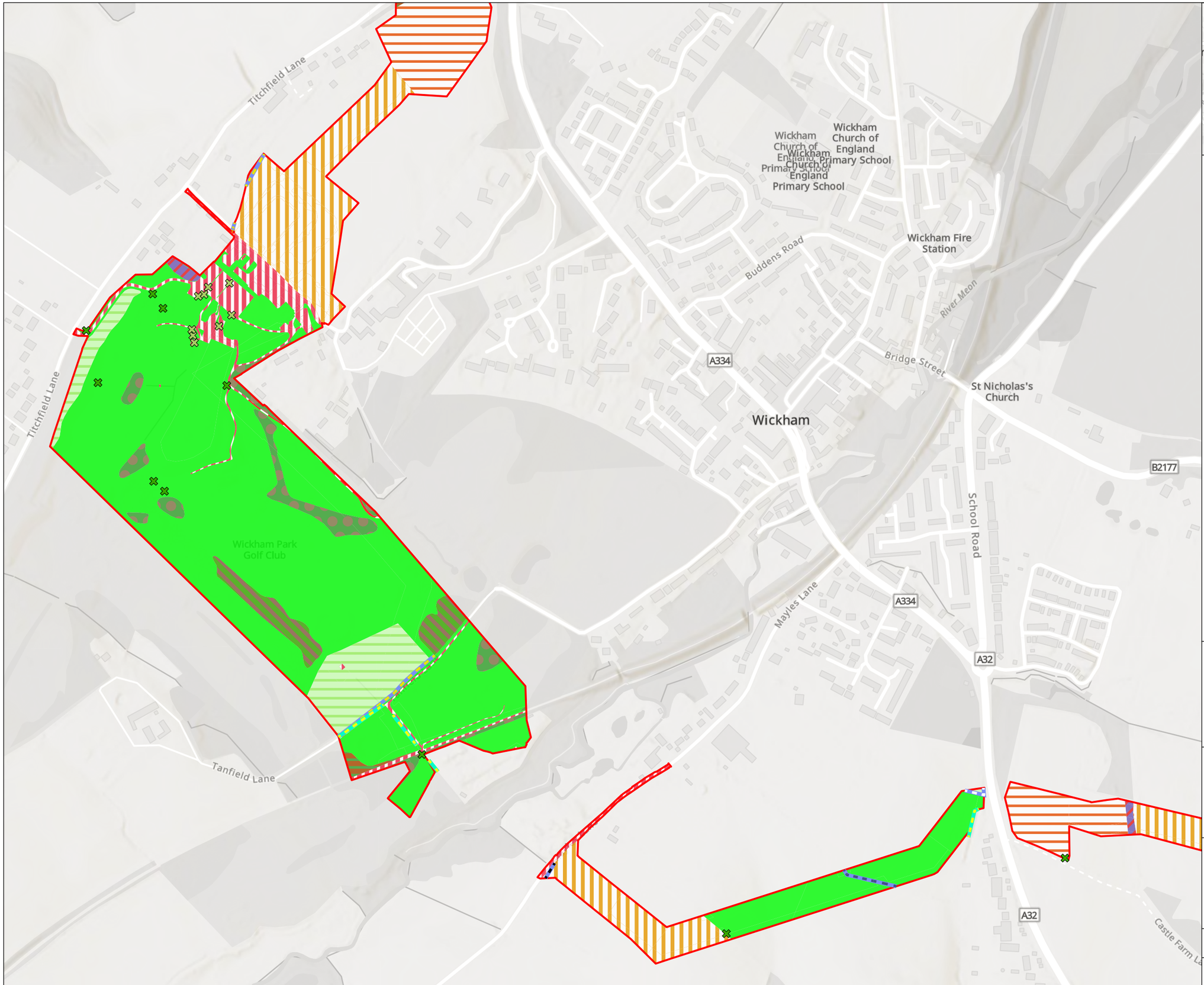

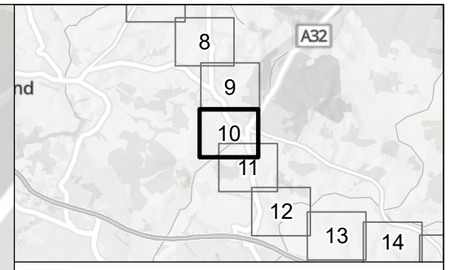

- Biodiversity Net Gain Boundary
- Rural tree
- Urban tree
- r1, 50 - Ditch
- h2a - Native hedgerow
- h2a, 11 - Native hedgerow with trees
- h2a5 - Species-rich native hedgerow
- h2a5, 11 - Species-rich native hedgerow with trees
- Artificial unvegetated, unsealed surface
- Bramble scrub
- Cereal crops
- Developed land; sealed surface
- Lowland mixed deciduous woodland
- Mixed scrub
- Modified grassland
- Other neutral grassland
- Other woodland; broadleaved
- Temporary grass and clover leys
- Wet woodland

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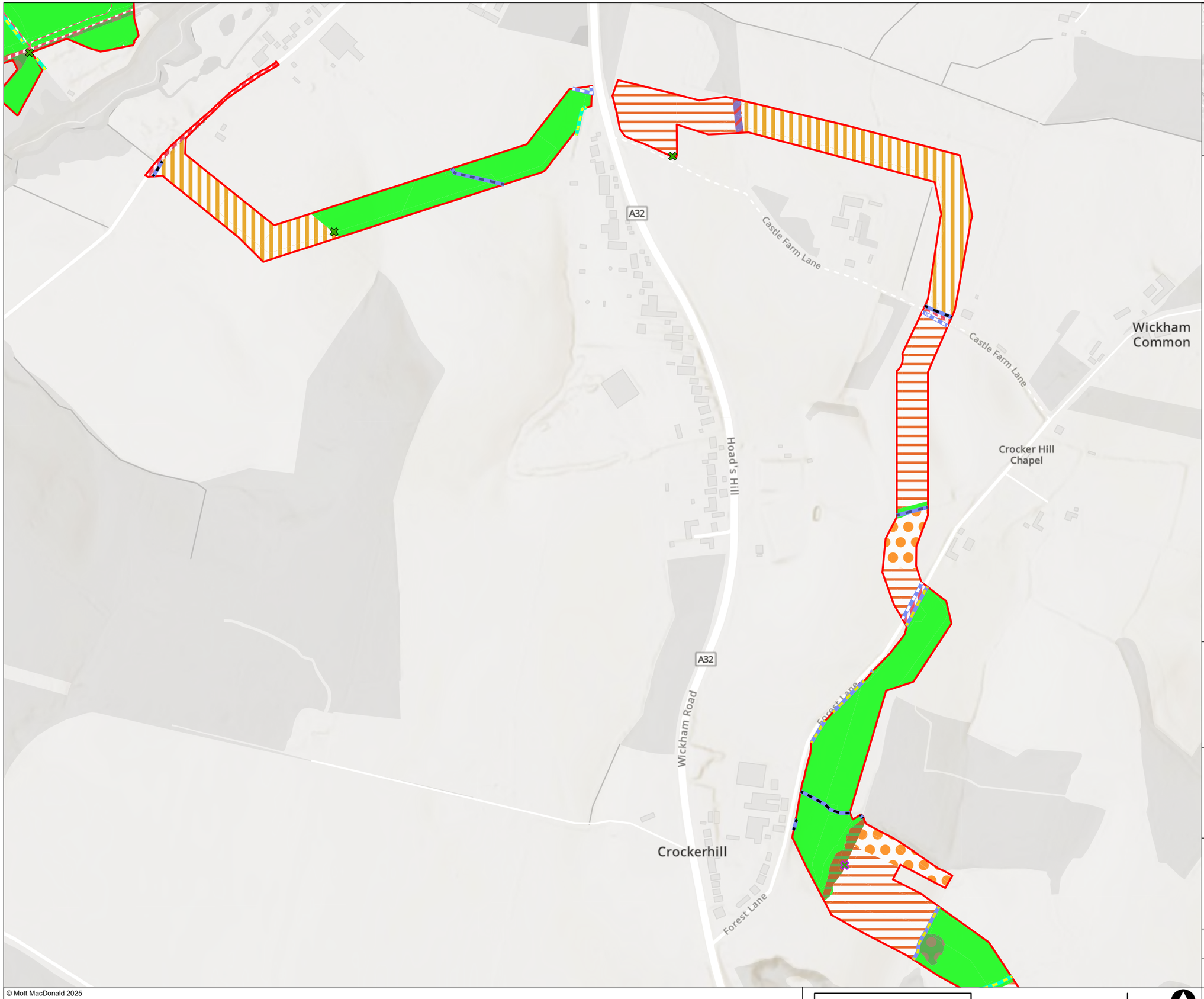

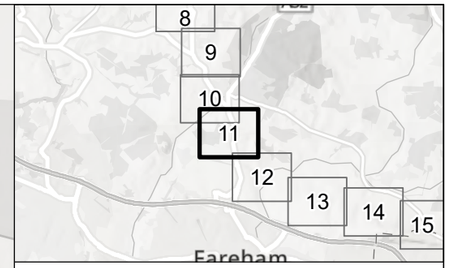

- Biodiversity Net Gain Boundary
- Rural tree
- Rural tree (Irreplaceable habitat)
- r1, 50 - Ditch
- h2a - Native hedgerow
- h2a, 11 - Native hedgerow with trees
- h2a5 - Species-rich native hedgerow
- h2a5, 11 - Species-rich native hedgerow with trees
- Arable field margins tussocky
- Bramble scrub
- Cereal crops
- Developed land; sealed surface
- Lowland mixed deciduous woodland
- Modified grassland
- Other neutral grassland
- Other woodland; broadleaved
- Temporary grass and clover leys

Coordinate system: British National Grid; Datum: OSGB 1936

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WATER for LIFE from Southern Water

Hampshire Water Transfer and Water Recycling Project
UK Habitat Classification
Sheet 11 of 17

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Scale at A3	Status	Revision	Security
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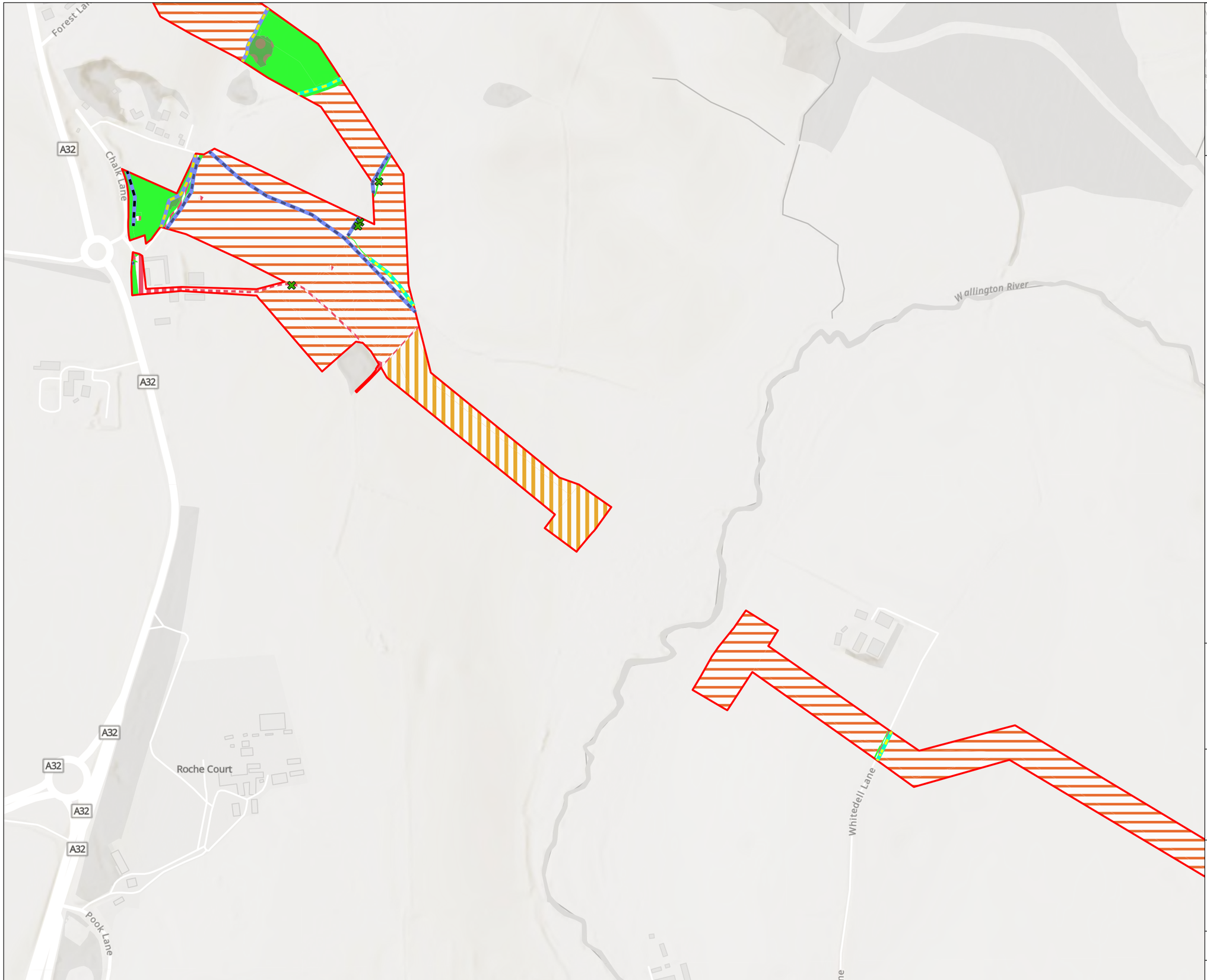

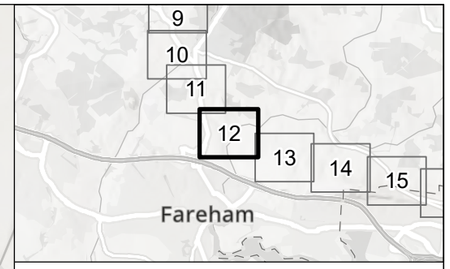

- Biodiversity Net Gain Boundary
- Rural tree
- r1, 50 - Ditch
- h2a - Native hedgerow
- h2a, 11 - Native hedgerow with trees
- h2a5, 11 - Species-rich native hedgerow with trees
- Cereal crops
- Developed land; sealed surface
- Modified grassland
- Other woodland; broadleaved
- Temporary grass and clover leys
- Watercourse footprint

Coordinate system: British National Grid; Datum: OSGB 1936

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Hampshire Water Transfer and Water Recycling Project
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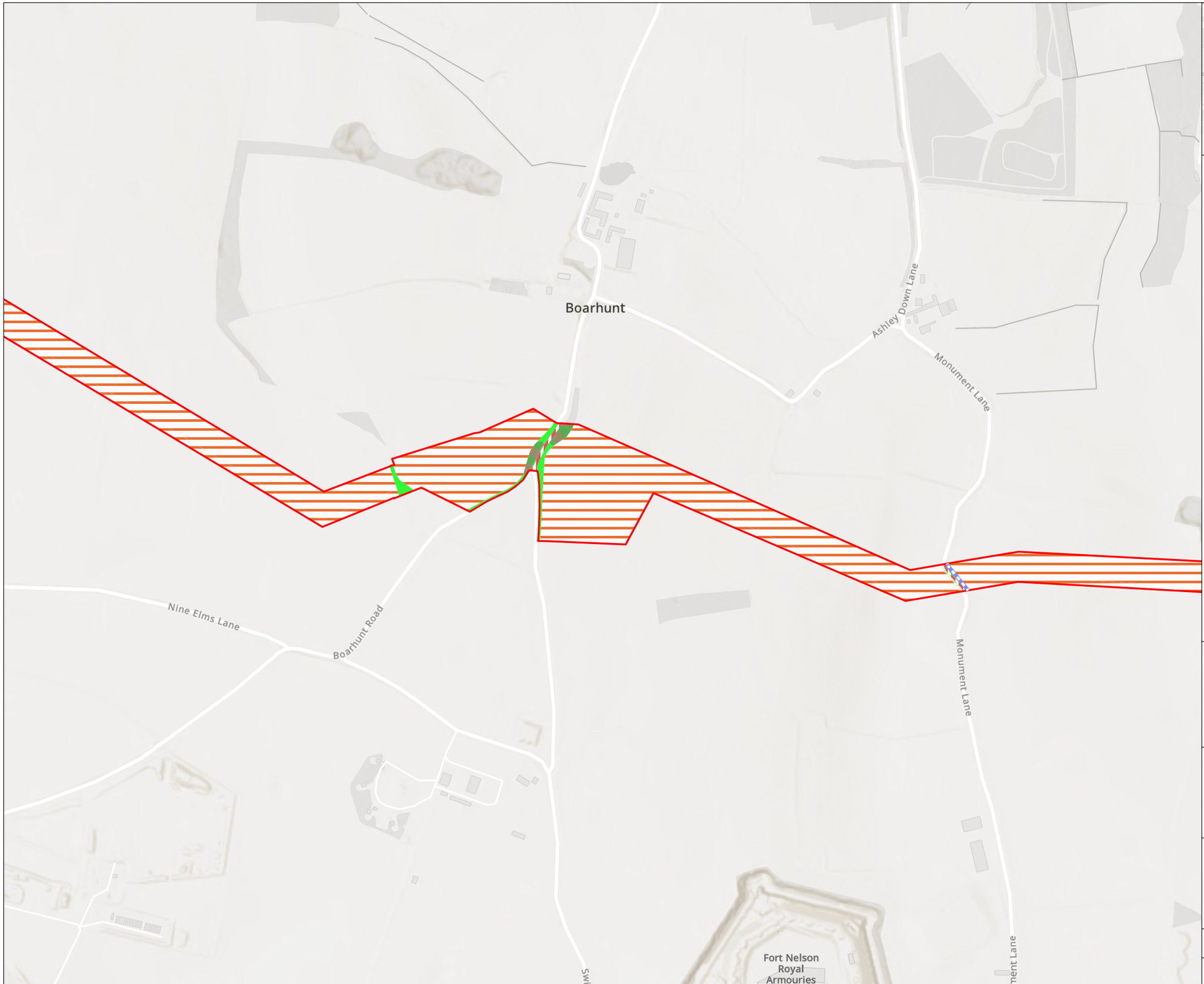

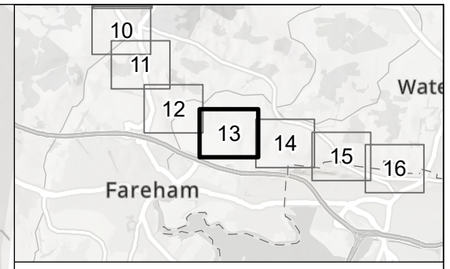

- Biodiversity Net Gain Boundary
- h2a5 - Species-rich native hedgerow
- Cereal crops
- Developed land; sealed surface
- Modified grassland
- Other neutral grassland
- Other woodland; broadleaved

Coordinate system: British National Grid; Datum: OSGB 1936

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Hampshire Water Transfer and Water Recycling Project
UK Habitat Classification
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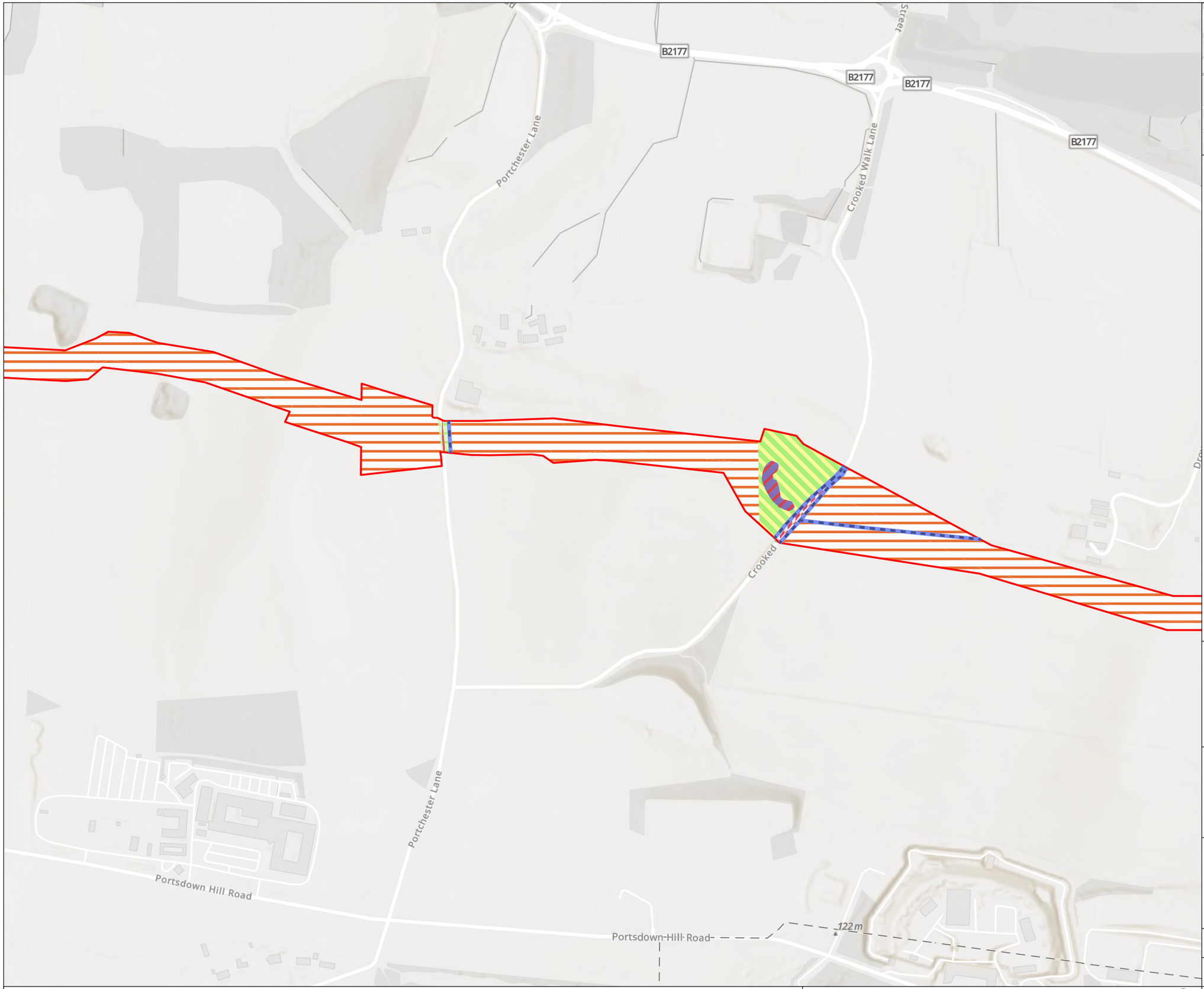

- Biodiversity Net Gain Boundary
- h2a - Native hedgerow
- Cereal crops
- Developed land; sealed surface
- Lowland calcareous grassland
- Mixed scrub
- Other neutral grassland
- Other woodland; broadleaved

Coordinate system: British National Grid; Datum: OSGB 1936

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Hampshire Water Transfer and Water Recycling Project
UK Habitat Classification
Sheet 14 of 17

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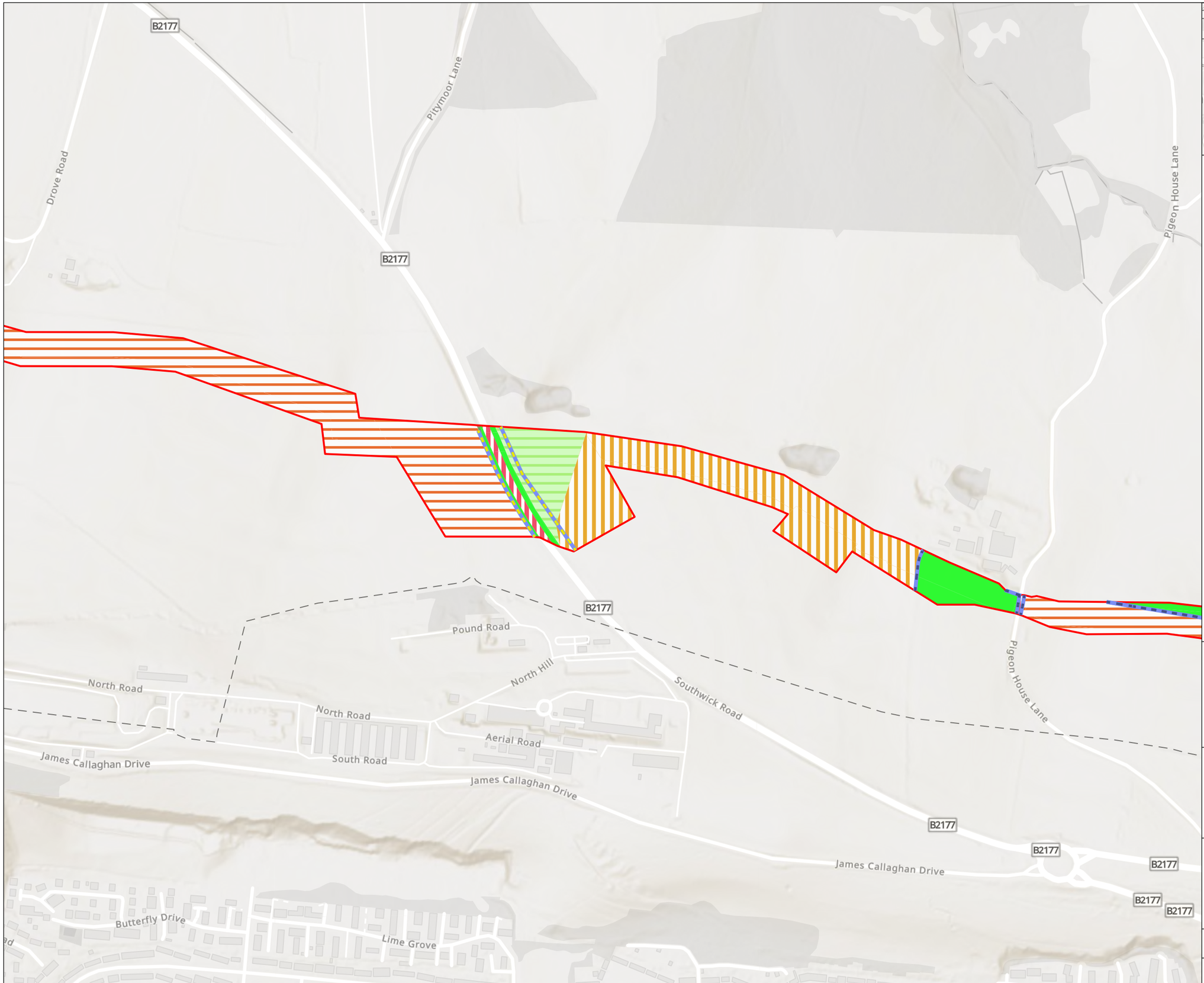

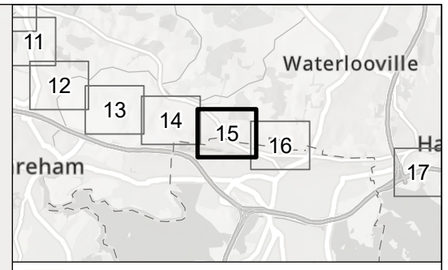

- Biodiversity Net Gain Boundary
- h2a - Native hedgerow
- h2a5, 11 - Species-rich native hedgerow with trees
- Cereal crops
- Developed land; sealed surface
- Modified grassland
- Other neutral grassland
- Other woodland; broadleaved
- Temporary grass and clover leys

Coordinate system: British National Grid; Datum: OSGB 1936

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Hampshire Water Transfer and Water Recycling Project
UK Habitat Classification
Sheet 15 of 17

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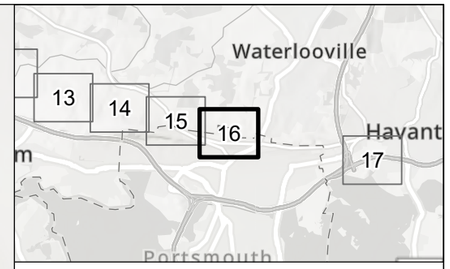

- Biodiversity Net Gain Boundary
- Rural tree
- h2a - Native hedgerow
- h2a, 11 - Native hedgerow with trees
- h2a5 - Species-rich native hedgerow
- h2a5, 11 - Species-rich native hedgerow with trees
- Bramble scrub
- Cereal crops
- Developed land; sealed surface
- Hawthorn scrub
- Lowland calcareous grassland
- Modified grassland
- Non-cereal crops
- Other neutral grassland
- Other woodland; broadleaved
- Other woodland; mixed

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Hampshire Water Transfer and Water Recycling Project
UK Habitat Classification
Sheet 16 of 17

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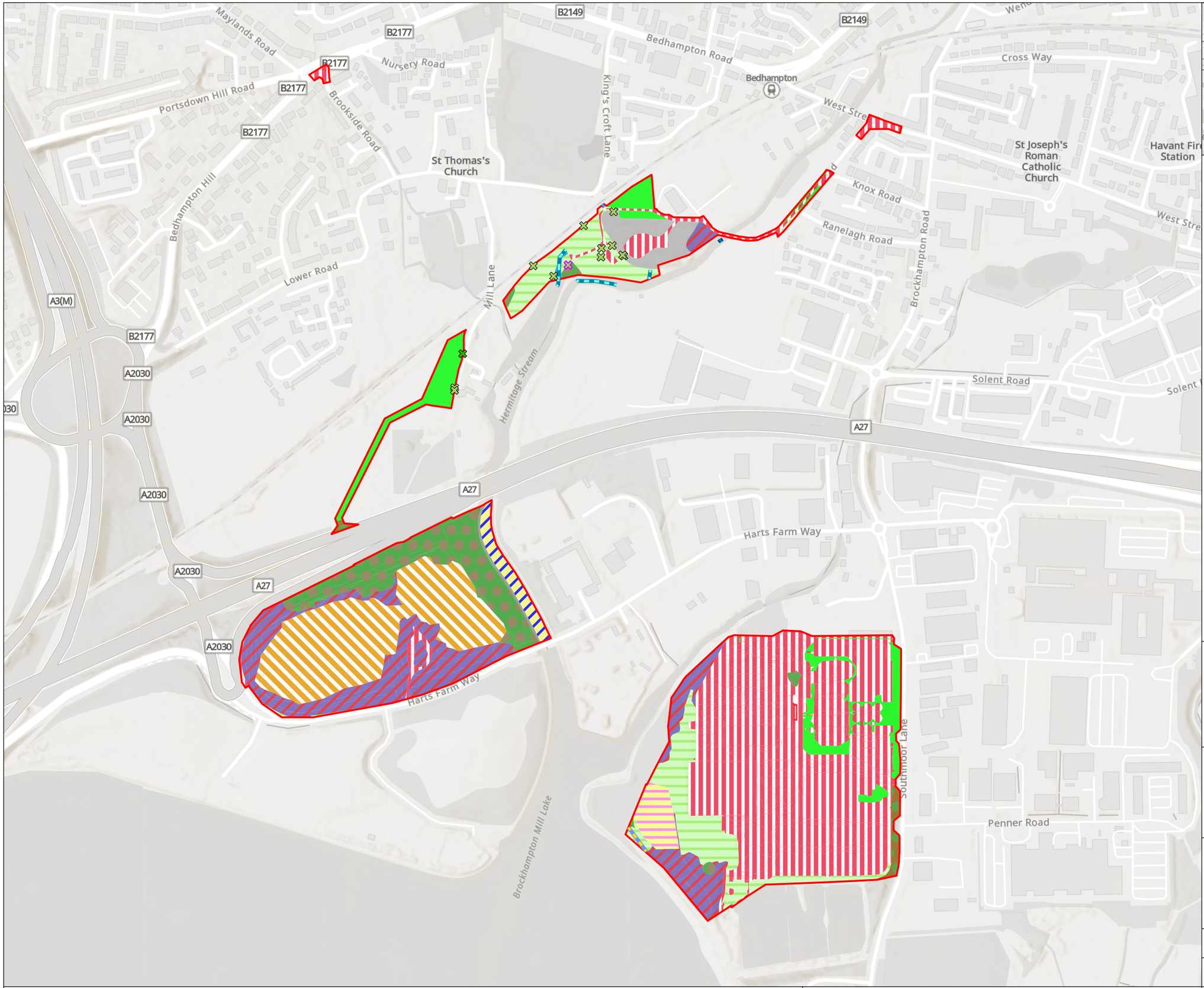

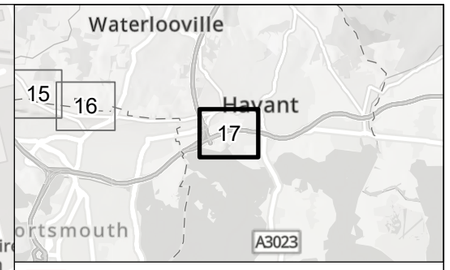

- Biodiversity Net Gain Boundary
- Rural tree
- Urban tree
- Urban tree (Irreplaceable habitat)
- h2a - Native hedgerow
- h2a5, 11 - Species-rich native hedgerow with trees
- r2 - Rivers and streams
- r2b - Other rivers and streams
- Artificial hard structures
- Artificial unvegetated, unsealed surface
- Bramble scrub
- Developed land; sealed surface
- Littoral mud
- Mixed scrub
- Modified grassland
- Open mosaic habitats on previously developed land
- Ornamental lake or pond
- Other neutral grassland
- Other woodland; broadleaved
- Other woodland; mixed
- Reedbeds
- Ruderal/Ephemeral
- Watercourse footprint
- Wet woodland

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Hampshire Water Transfer and Water Recycling Project
UK Habitat Classification
Sheet 17 of 17

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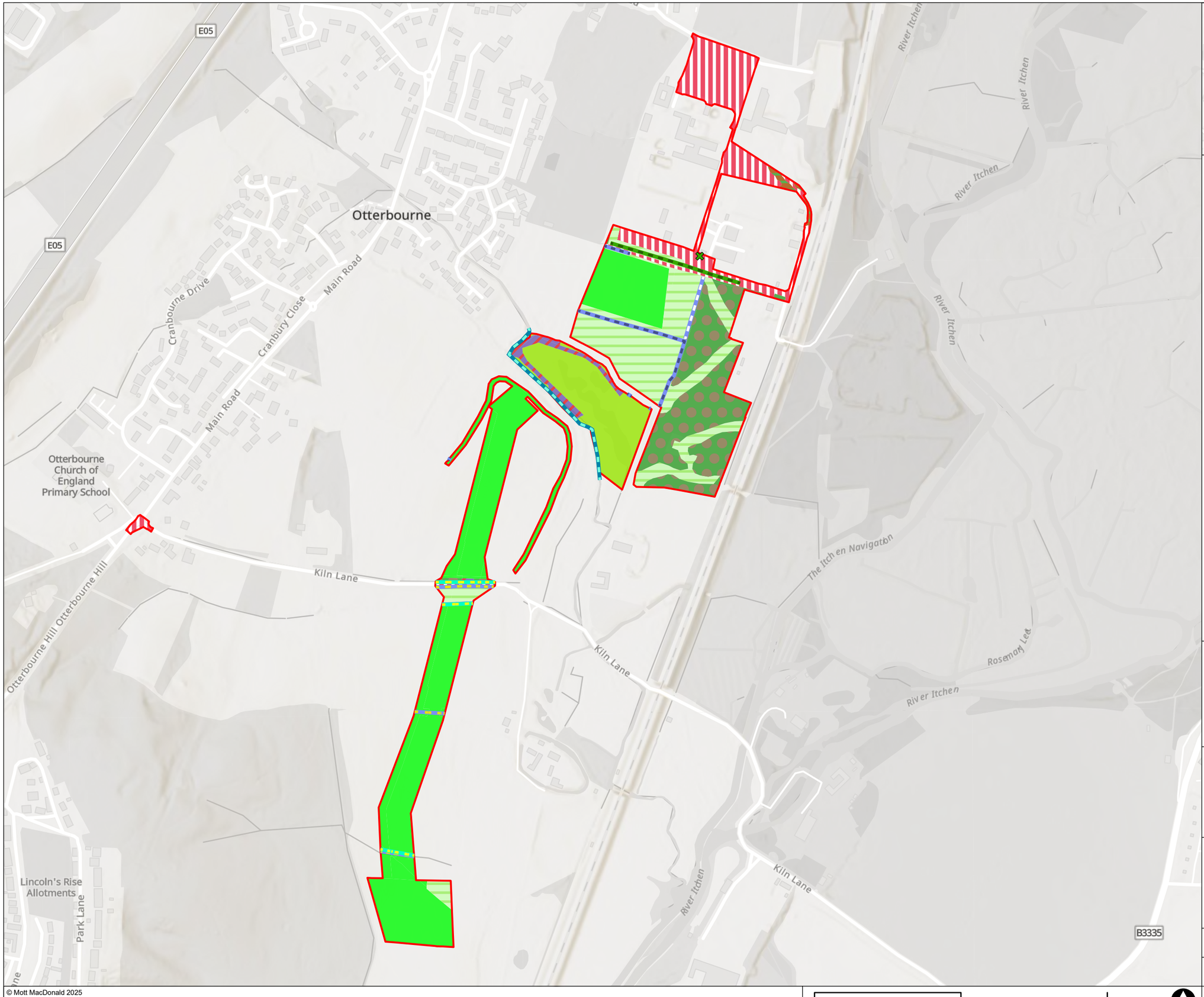
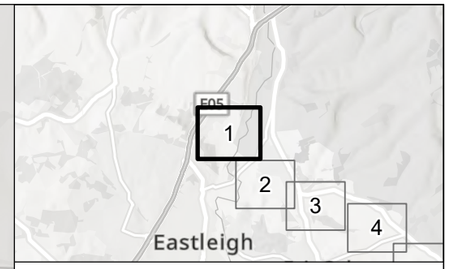
Appendix C UK Habitat Classification map - Post-development





- Biodiversity Net Gain Boundary
- Rural tree
- h2a - Native hedgerow
- h2a5 - Species-rich native hedgerow
- h2a5, 11 - Species-rich native hedgerow with trees
- w1, 33 - Line of trees
- r1, 50 - Ditch
- r2 - Rivers and streams
- Developed land; sealed surface
- Floodplain wetland mosaic and CFGM
- Hawthorn scrub
- Lowland mixed deciduous woodland
- Mixed scrub
- Modified grassland
- Other neutral grassland
- Other woodland; broadleaved
- Other woodland; mixed
- Watercourse footprint

Coordinate system: British National Grid; Datum: OSGB 1936

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Hampshire Water Transfer and Water Recycling Project
BNG Post Development Habitat Classification
Sheet 1 of 17

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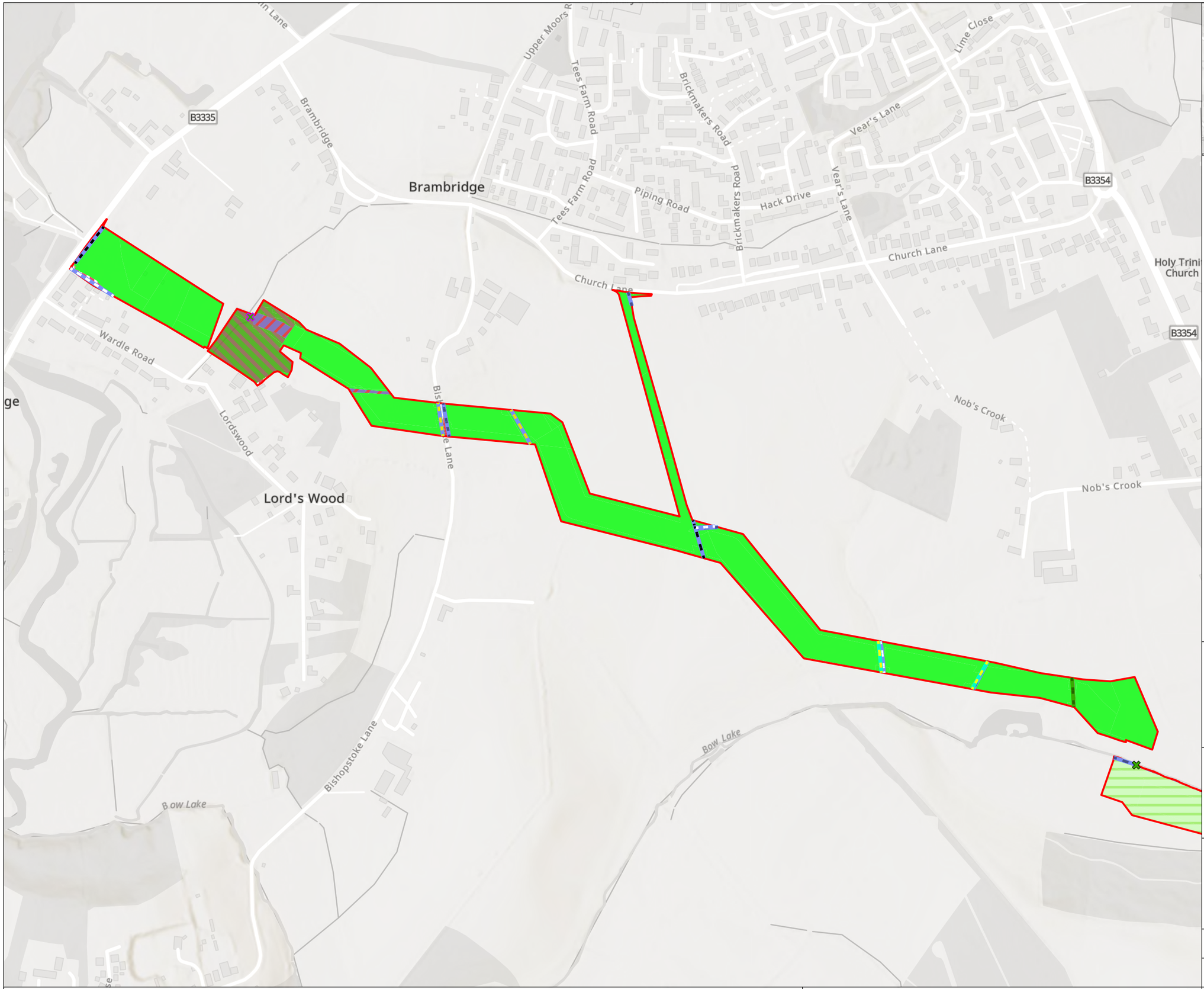

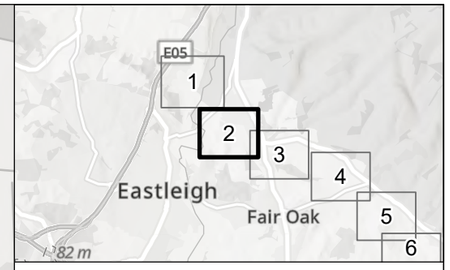

- Biodiversity Net Gain Boundary
- Rural tree
- Rural tree (Irreplaceable habitat)
- h2a - Native hedgerow
- h2a, 11 - Native hedgerow with trees
- h2a5 - Species-rich native hedgerow
- h2a5, 11 - Species-rich native hedgerow with trees
- w1, 33 - Line of trees
- r1, 50 - Ditch
- Bramble scrub
- Developed land; sealed surface
- Mixed scrub
- Modified grassland
- Other neutral grassland
- Other woodland; broadleaved
- Watercourse footprint
- Wet woodland

Coordinate system: British National Grid; Datum: OSGB 1936

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WATER for LIFE from Southern Water

Hampshire Water Transfer and Water Recycling Project
BNG Post Development Habitat Classification
Sheet 2 of 17

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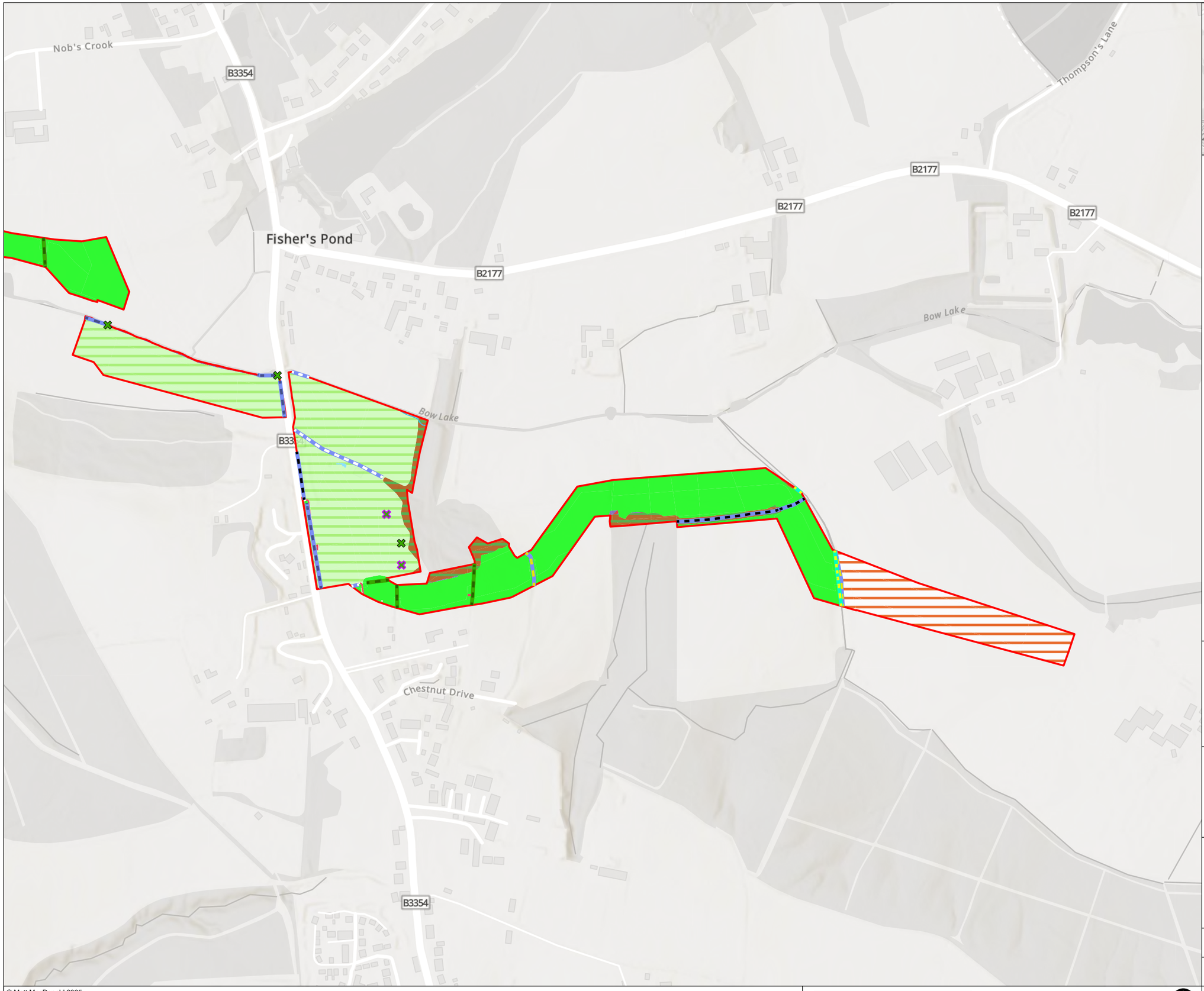

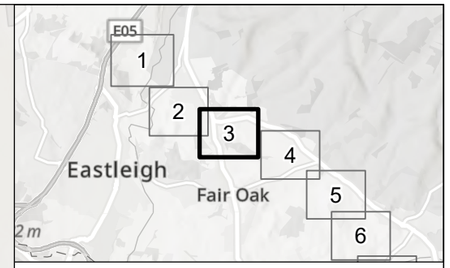

- Biodiversity Net Gain Boundary
- Rural tree
- Rural tree (Irreplaceable habitat)
- h2a - Native hedgerow
- h2a, 11 - Native hedgerow with trees
- h2a5 - Species-rich native hedgerow
- h2a5, 11 - Species-rich native hedgerow with trees
- w1, 33 - Line of trees
- r1, 50 - Ditch
- Cereal crops
- Developed land; sealed surface
- Lowland mixed deciduous woodland
- Mixed scrub
- Modified grassland
- Other neutral grassland
- Other woodland; broadleaved
- Ponds (non-priority habitat)
- Watercourse footprint

Coordinate system: British National Grid; Datum: OSGB 1936

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Hampshire Water Transfer and Water Recycling Project
BNG Post Development Habitat Classification
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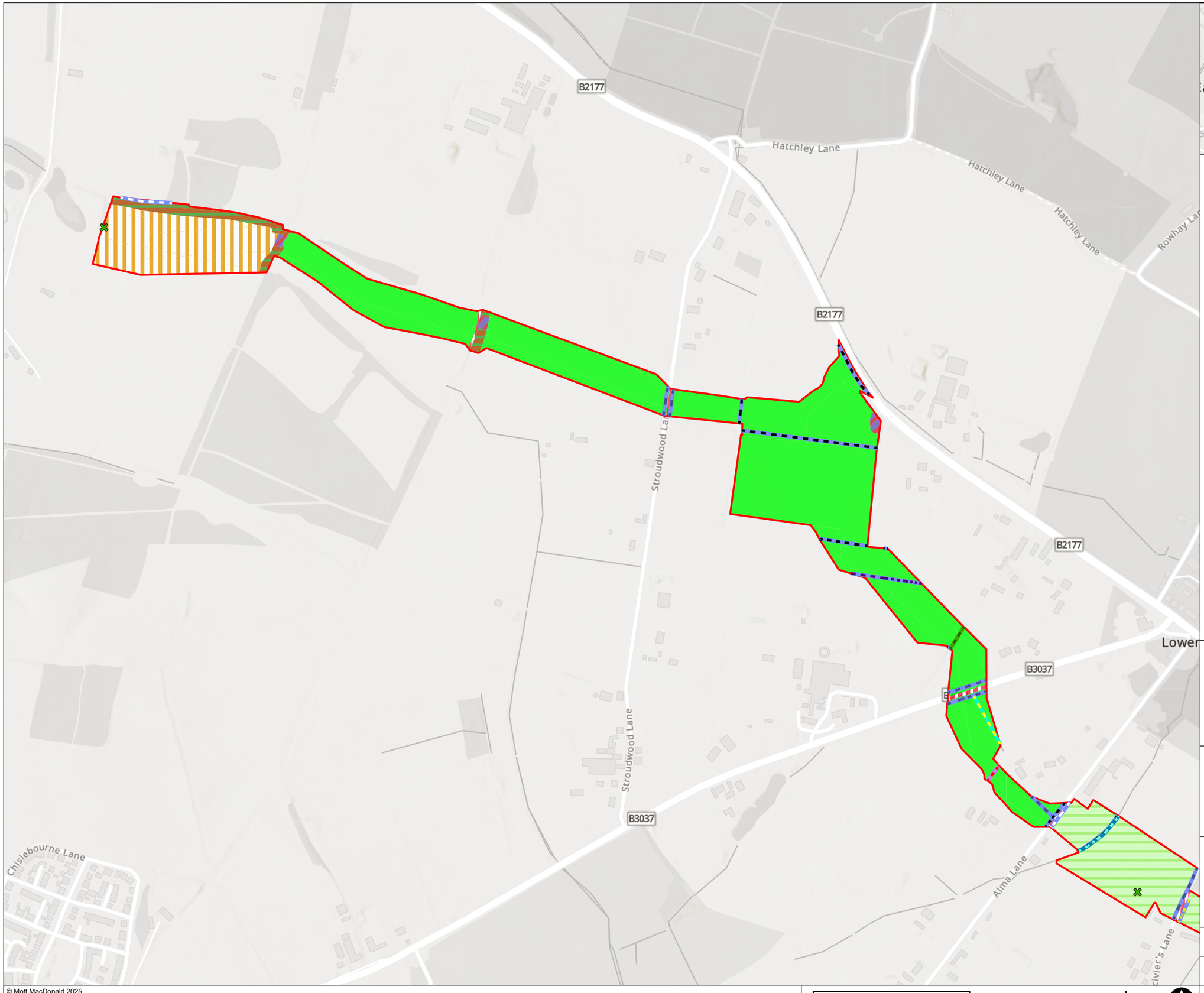

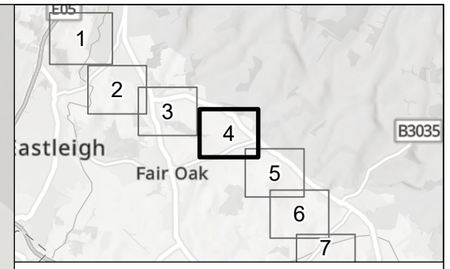

- Biodiversity Net Gain Boundary
- Rural tree
- h2a - Native hedgerow
- h2a, 11 - Native hedgerow with trees
- h2a5 - Species-rich native hedgerow
- h2a5, 11 - Species-rich native hedgerow with trees
- h2a6 - Other native hedgerow
- h2b - Non-native and ornamental hedgerow
- w1, 33 - Line of trees
- r1, 50 - Ditch
- r2 - Rivers and streams
- Cereal crops
- Developed land; sealed surface
- Lowland mixed deciduous woodland
- Mixed scrub
- Modified grassland
- Other neutral grassland
- Temporary grass and clover leys
- Watercourse footprint

Coordinate system: British National Grid; Datum: OSGB 1936

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WATER for LIFE from Southern Water

Hampshire Water Transfer and Water Recycling Project
BNG Post Development Habitat Classification
Sheet 4 of 17

Drawn	GIS Checked	Checked	Approved
L James	**F Saunders**	**L Mason**	**M Beacon**
Scale at A3	Status	Revision	Security
1:5,800	**INF**	**01**	**STD**

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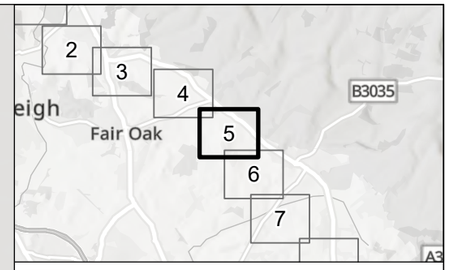

- Biodiversity Net Gain Boundary
- Rural tree
- h2a - Native hedgerow
- h2a, 11 - Native hedgerow with trees
- h2a5 - Species-rich native hedgerow
- h2a5, 11 - Species-rich native hedgerow with trees
- w1, 33 - Line of trees
- r1, 50 - Ditch
- r2 - Rivers and streams
- Artificial unvegetated, unsealed surface
- Developed land; sealed surface
- Lowland mixed deciduous woodland
- Mixed scrub
- Modified grassland
- Other lowland acid grassland
- Other neutral grassland
- Other woodland; broadleaved
- Sustainable drainage system
- Watercourse footprint
- Wood-pasture and parkland

Coordinate system: British National Grid; Datum: OSGB 1936

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WATER for LIFE from Southern Water

Hampshire Water Transfer and Water Recycling Project
BNG Post Development Habitat Classification
Sheet 5 of 17

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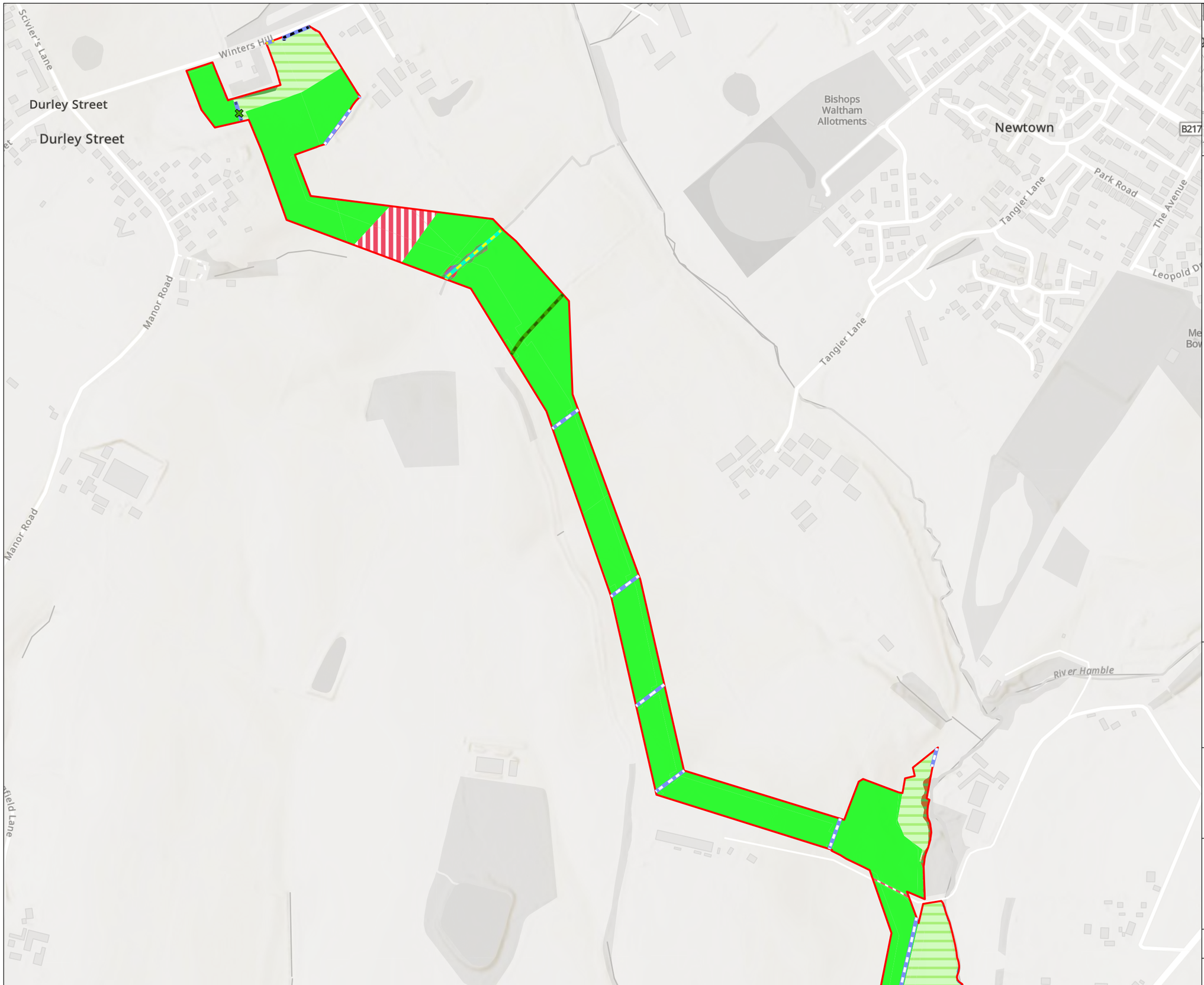

- Biodiversity Net Gain Boundary
- Rural tree
- h2a - Native hedgerow
- h2a, 11 - Native hedgerow with trees
- h2a5 - Species-rich native hedgerow
- h2a5, 11 - Species-rich native hedgerow with trees
- w1, 33 - Line of trees
- r1, 50 - Ditch
- Artificial unvegetated, unsealed surface
- Developed land; sealed surface
- Lowland mixed deciduous woodland
- Mixed scrub
- Modified grassland
- Other lowland acid grassland
- Other neutral grassland
- Other woodland; broadleaved
- Watercourse footprint
- Wet woodland

Coordinate system: British National Grid; Datum: OSGB 1936

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Hampshire Water Transfer and Water Recycling Project
BNG Post Development Habitat Classification
Sheet 6 of 17

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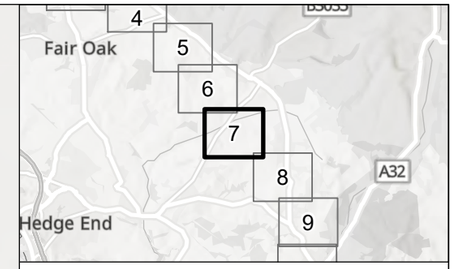

- Biodiversity Net Gain Boundary
- Rural tree
- Rural tree (Irreplaceable habitat)
- h2a - Native hedgerow
- h2a, 11 - Native hedgerow with trees
- h2a5 - Species-rich native hedgerow
- h2a5, 11 - Species-rich native hedgerow with trees
- Arable field margins tussocky
- Cereal crops
- Developed land; sealed surface
- Horticulture
- Lowland mixed deciduous woodland
- Modified grassland
- Other neutral grassland
- Other woodland; broadleaved
- Watercourse footprint

Coordinate system: British National Grid; Datum: OSGB 1936

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Hampshire Water Transfer and Water Recycling Project
BNG Post Development Habitat Classification
Sheet 7 of 17

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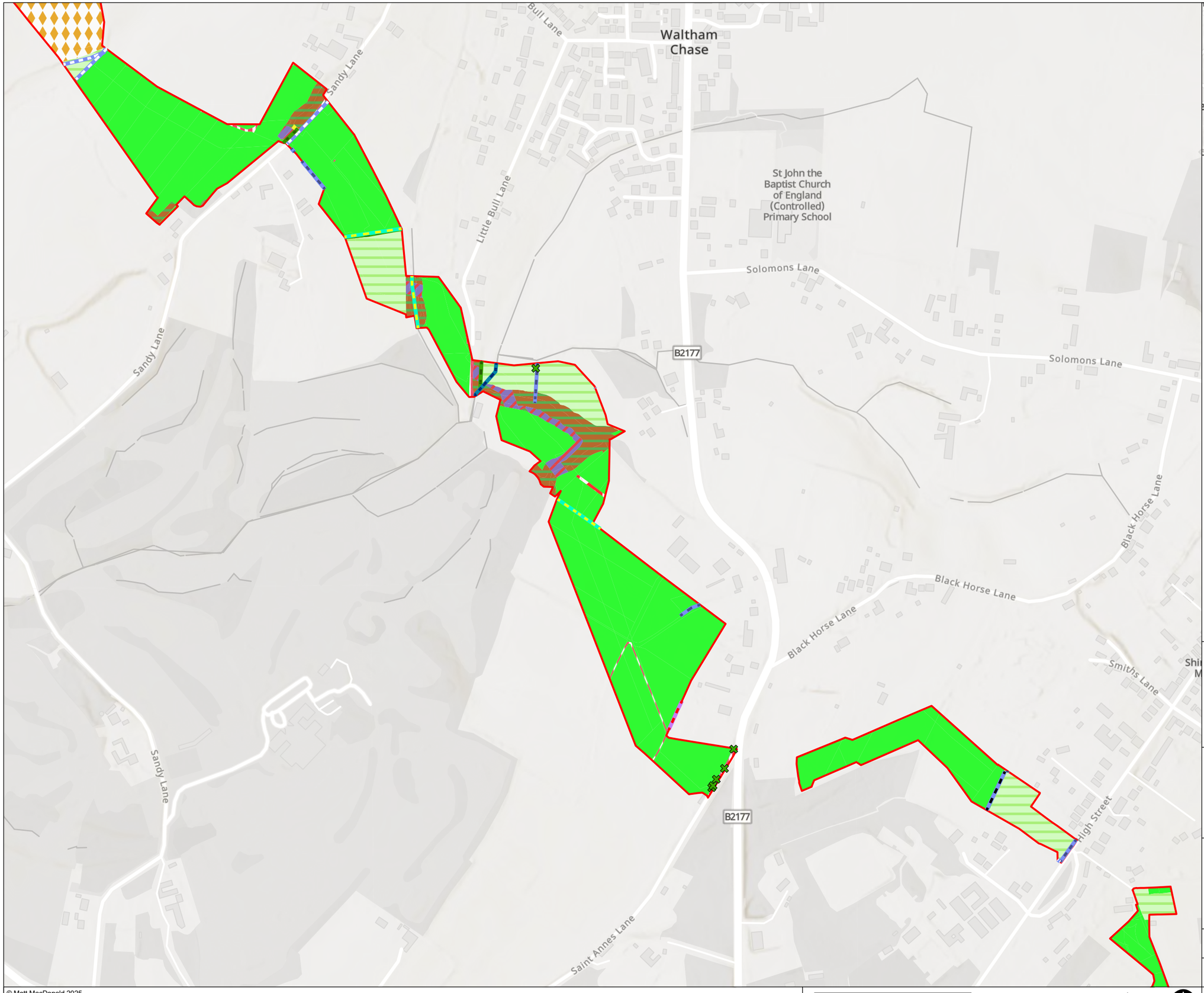

- Biodiversity Net Gain Boundary
- Rural tree
- h2a - Native hedgerow
- h2a, 11 - Native hedgerow with trees
- h2a5 - Species-rich native hedgerow
- h2b - Non-native and ornamental hedgerow
- w1, 33 - Line of trees
- r1, 50 - Ditch
- r2b - Other rivers and streams
- Artificial unvegetated, unsealed surface
- Bramble scrub
- Built linear features
- Cereal crops
- Developed land; sealed surface
- Horticulture
- Lowland mixed deciduous woodland
- Mixed scrub
- Modified grassland
- Other coniferous woodland
- Other neutral grassland
- Other woodland; broadleaved
- Watercourse footprint

Coordinate system: British National Grid; Datum: OSGB 1936

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Hampshire Water Transfer and Water Recycling Project
BNG Post Development Habitat Classification
Sheet 8 of 17

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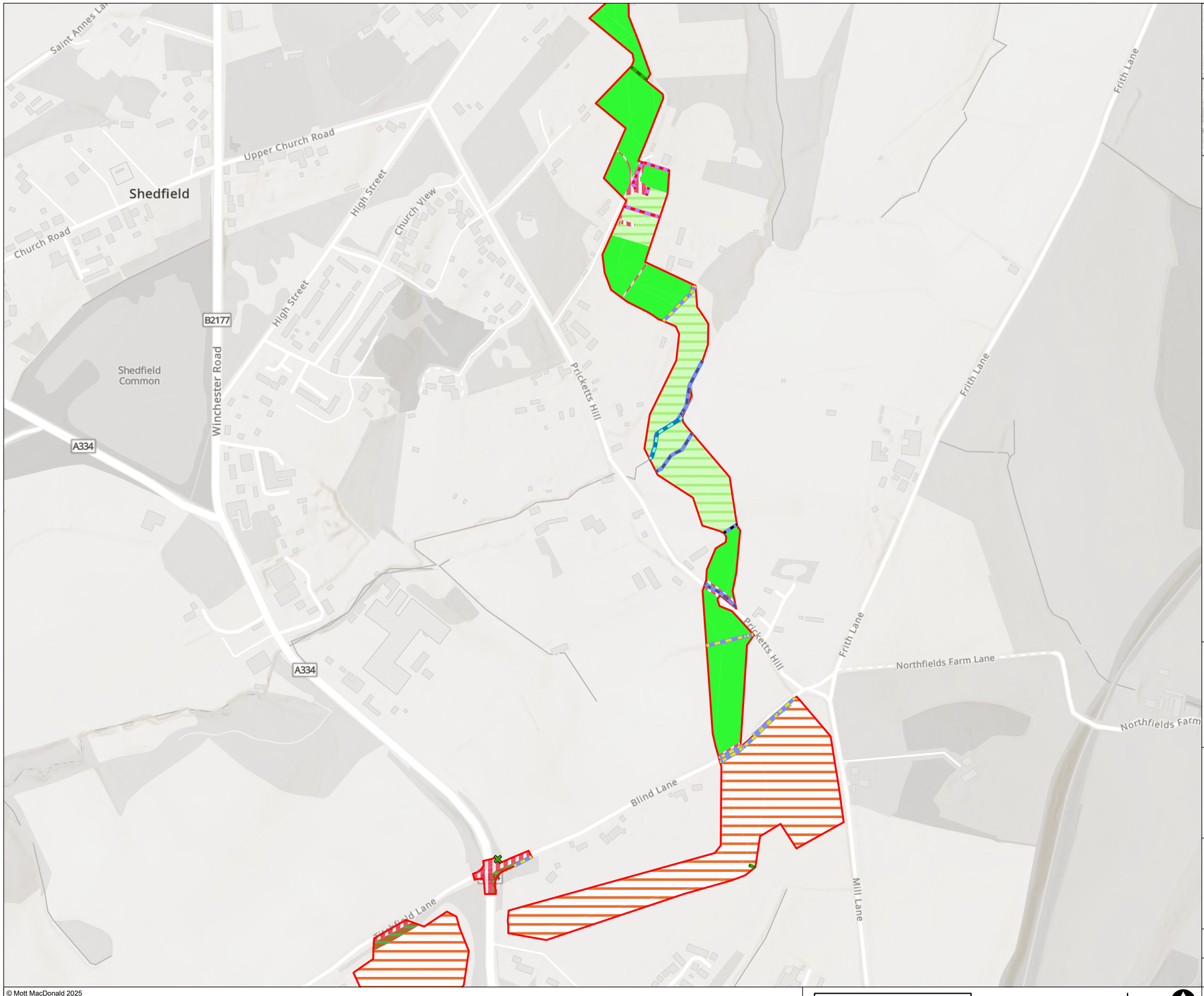

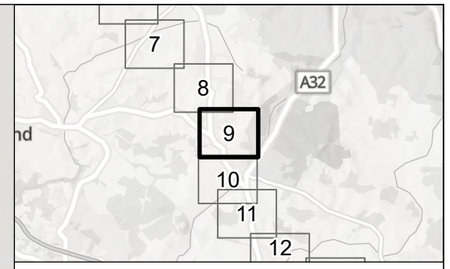

- Biodiversity Net Gain Boundary
- Rural tree
- h2a - Native hedgerow
- h2a, 11 - Native hedgerow with trees
- h2a5, 11 - Species-rich native hedgerow with trees
- h2b - Non-native and ornamental hedgerow
- w1, 33 - Line of trees
- r2 - Rivers and streams
- Cereal crops
- Developed land; sealed surface
- Lowland mixed deciduous woodland
- Modified grassland
- Other neutral grassland
- Watercourse footprint

Coordinate system: British National Grid; Datum: OSGB 1936

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Hampshire Water Transfer and Water Recycling Project
BNG Post Development Habitat Classification
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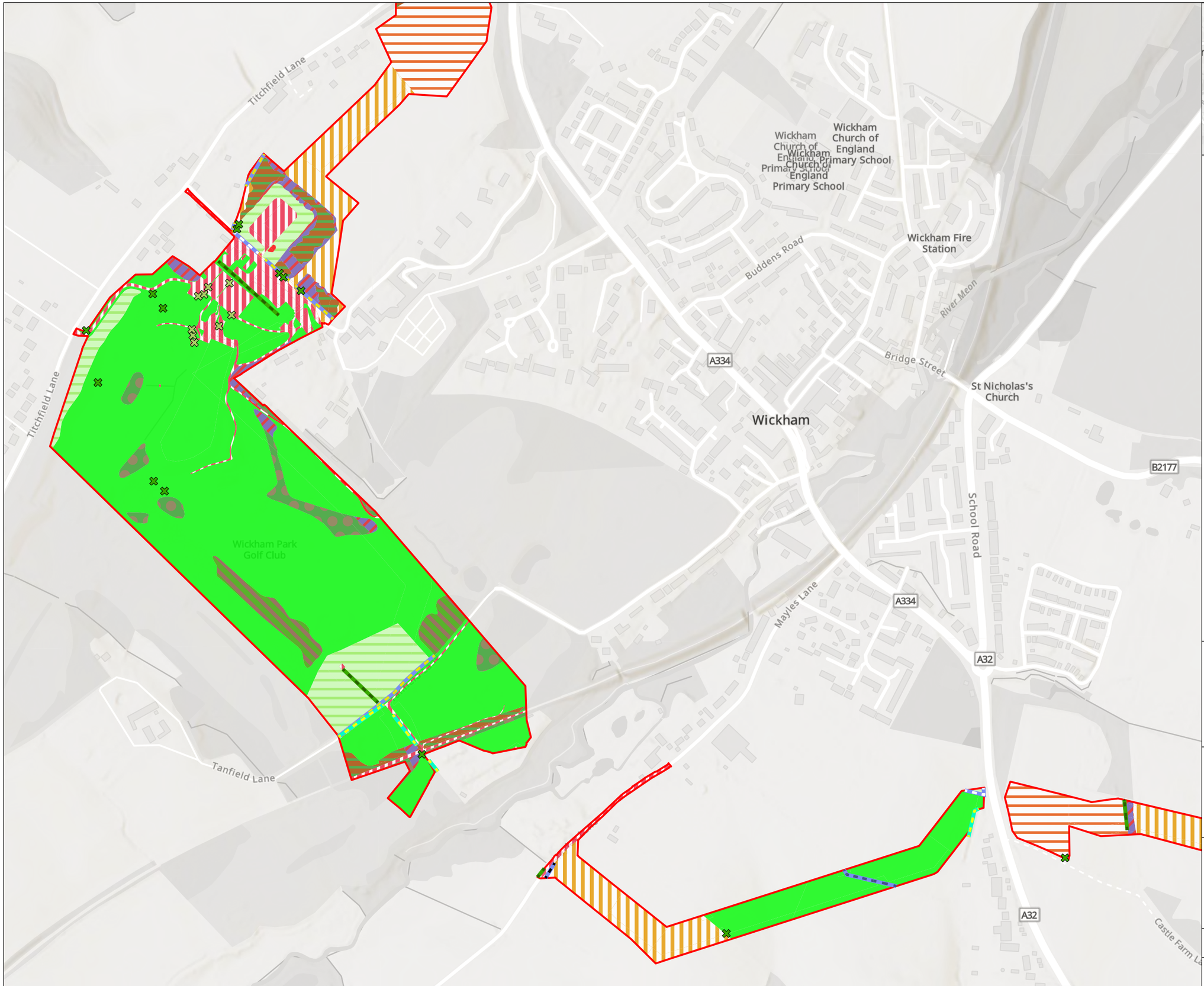

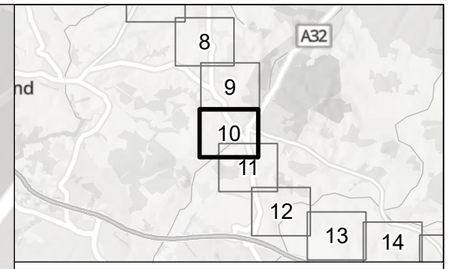

- Biodiversity Net Gain Boundary
- Rural tree
- Urban tree
- h2a - Native hedgerow
- h2a, 11 - Native hedgerow with trees
- h2a5 - Species-rich native hedgerow
- h2a5, 11 - Species-rich native hedgerow with trees
- w1, 33 - Line of trees
- r1, 50 - Ditch
- Artificial unvegetated, unsealed surface
- Bramble scrub
- Cereal crops
- Developed land; sealed surface
- Lowland mixed deciduous woodland
- Mixed scrub
- Modified grassland
- Other neutral grassland
- Other woodland; broadleaved
- Sustainable drainage system
- Temporary grass and clover leys
- Wet woodland

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Hampshire Water Transfer and Water Recycling Project
BNG Post Development Habitat Classification
Sheet 10 of 17

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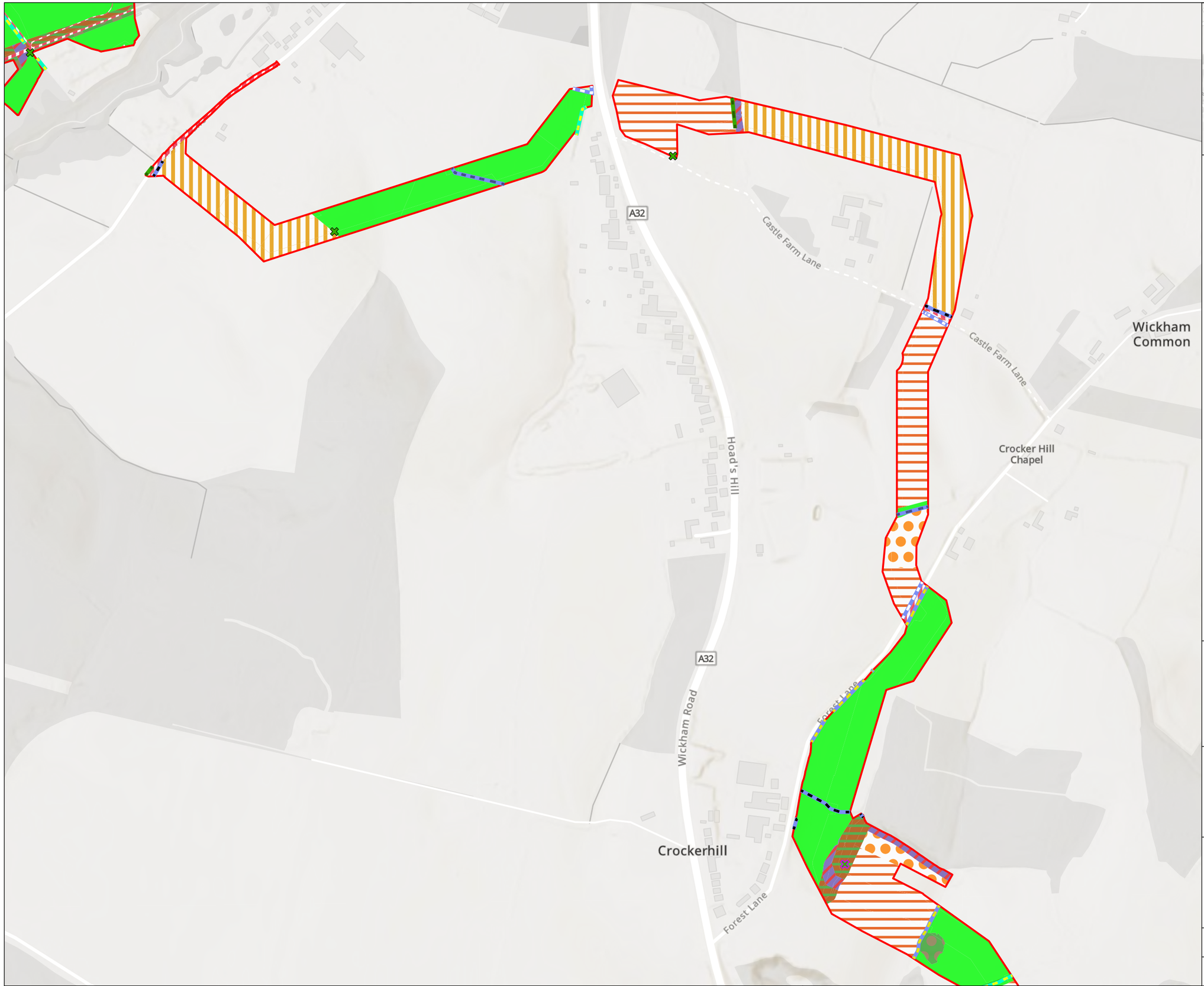

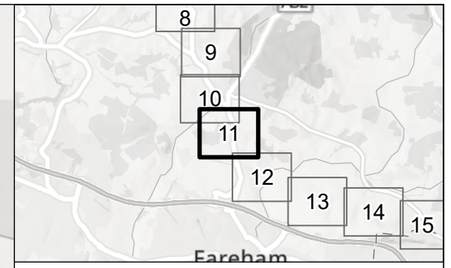

- Biodiversity Net Gain Boundary
- Rural tree
- Rural tree (Irreplaceable habitat)
- h2a - Native hedgerow
- h2a, 11 - Native hedgerow with trees
- h2a5 - Species-rich native hedgerow
- h2a5, 11 - Species-rich native hedgerow with trees
- w1, 33 - Line of trees
- r1, 50 - Ditch
- Arable field margins tussocky
- Bramble scrub
- Cereal crops
- Developed land; sealed surface
- Lowland mixed deciduous woodland
- Mixed scrub
- Modified grassland
- Other neutral grassland
- Other woodland; broadleaved
- Temporary grass and clover leys

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Hampshire Water Transfer and Water Recycling Project
BNG Post Development Habitat Classification
Sheet 11 of 17

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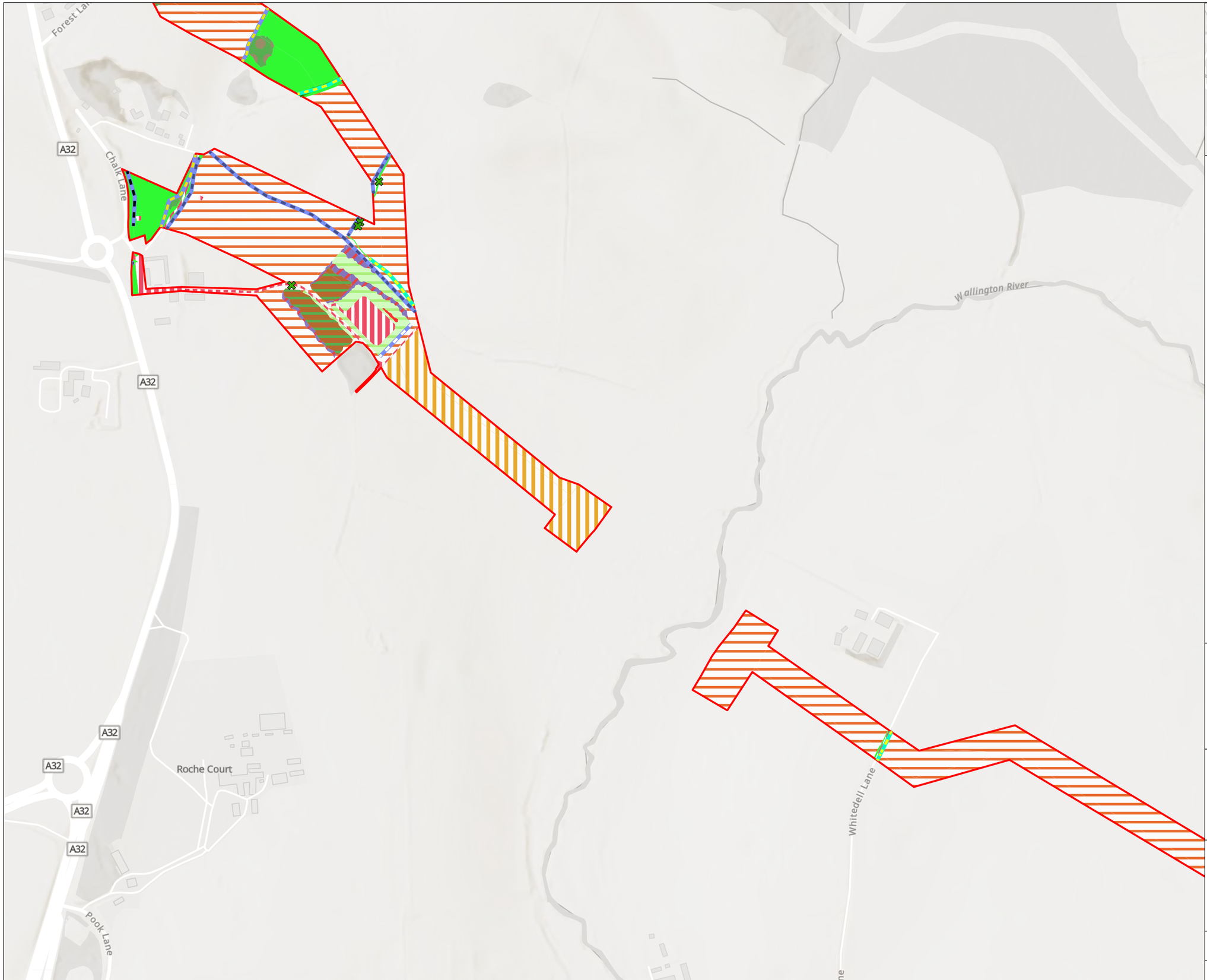

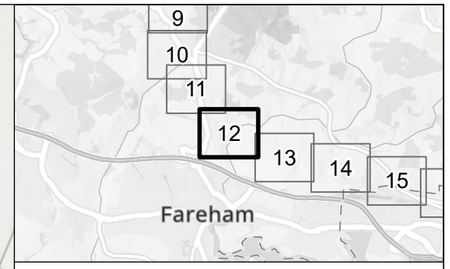

- Biodiversity Net Gain Boundary
- Rural tree
- h2a - Native hedgerow
- h2a, 11 - Native hedgerow with trees
- h2a5 - Species-rich native hedgerow
- h2a5, 11 - Species-rich native hedgerow with trees
- w1, 33 - Line of trees
- r1, 50 - Ditch
- Cereal crops
- Developed land; sealed surface
- Lowland mixed deciduous woodland
- Mixed scrub
- Modified grassland
- Other neutral grassland
- Other woodland; broadleaved
- Sustainable drainage system
- Temporary grass and clover leys
- Watercourse footprint

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WATER for LIFE from Southern Water

Hampshire Water Transfer and Water Recycling Project
BNG Post Development Habitat Classification
Sheet 12 of 17

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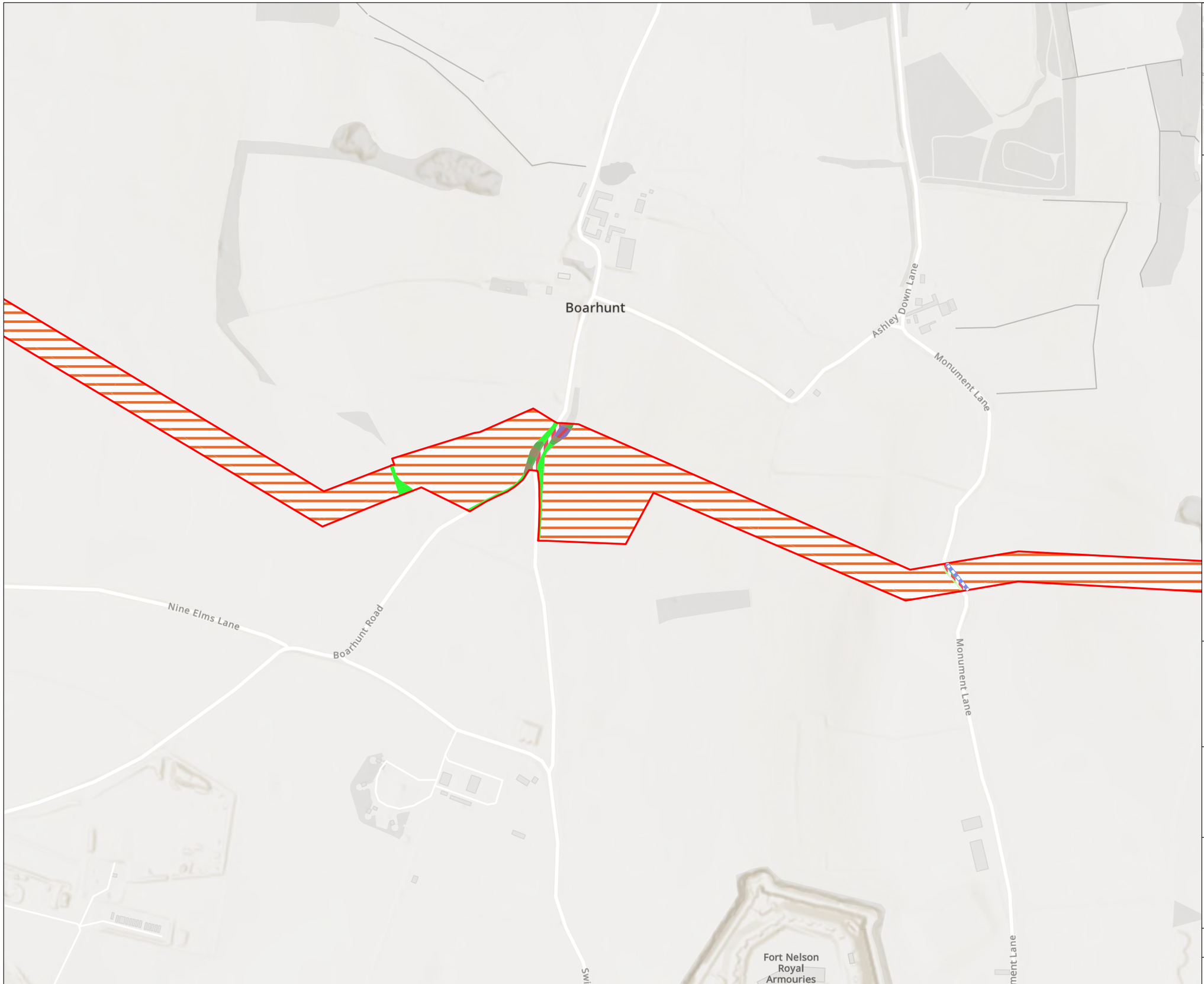

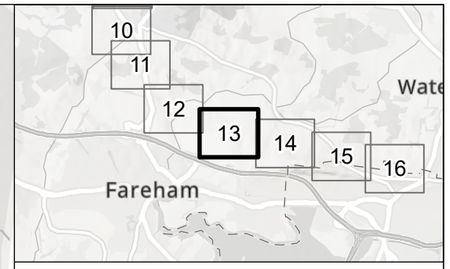

- Biodiversity Net Gain Boundary
- h2a5 - Species-rich native hedgerow
- Cereal crops
- Developed land; sealed surface
- Mixed scrub
- Modified grassland
- Other neutral grassland
- Other woodland; broadleaved

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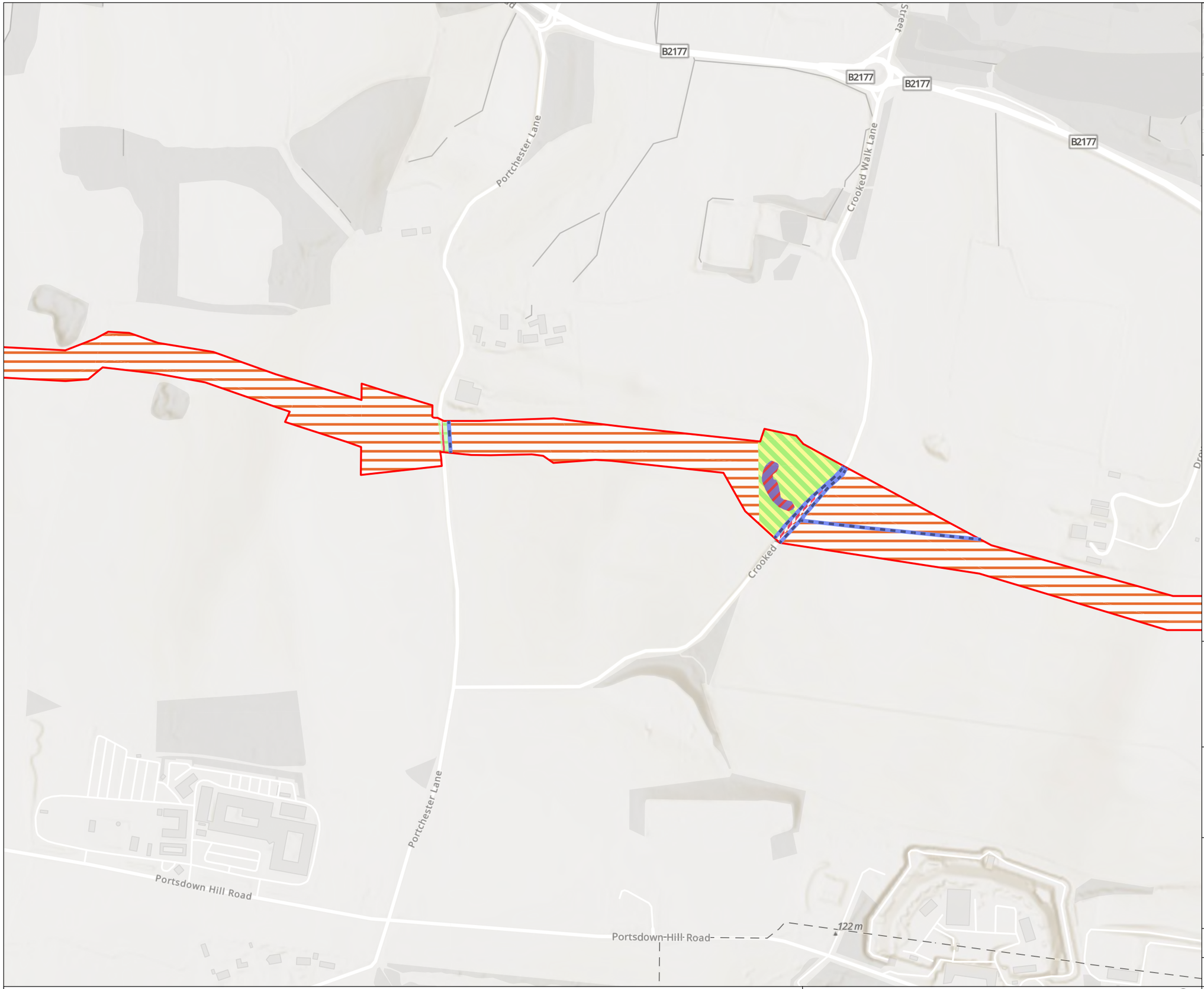

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from Southern Water

Hampshire Water Transfer and Water Recycling Project
BNG Post Development Habitat Classification
Sheet 14 of 17

Drawn	GIS Checked	Checked	Approved
L James	**F Saunders**	**L Mason**	**M Beacon**
Scale at A3	Status	Revision	Security
1:5,800	**INF**	**01**	**STD**

710166-WFL-SWS-ECO-SRO-DR-HAB-546

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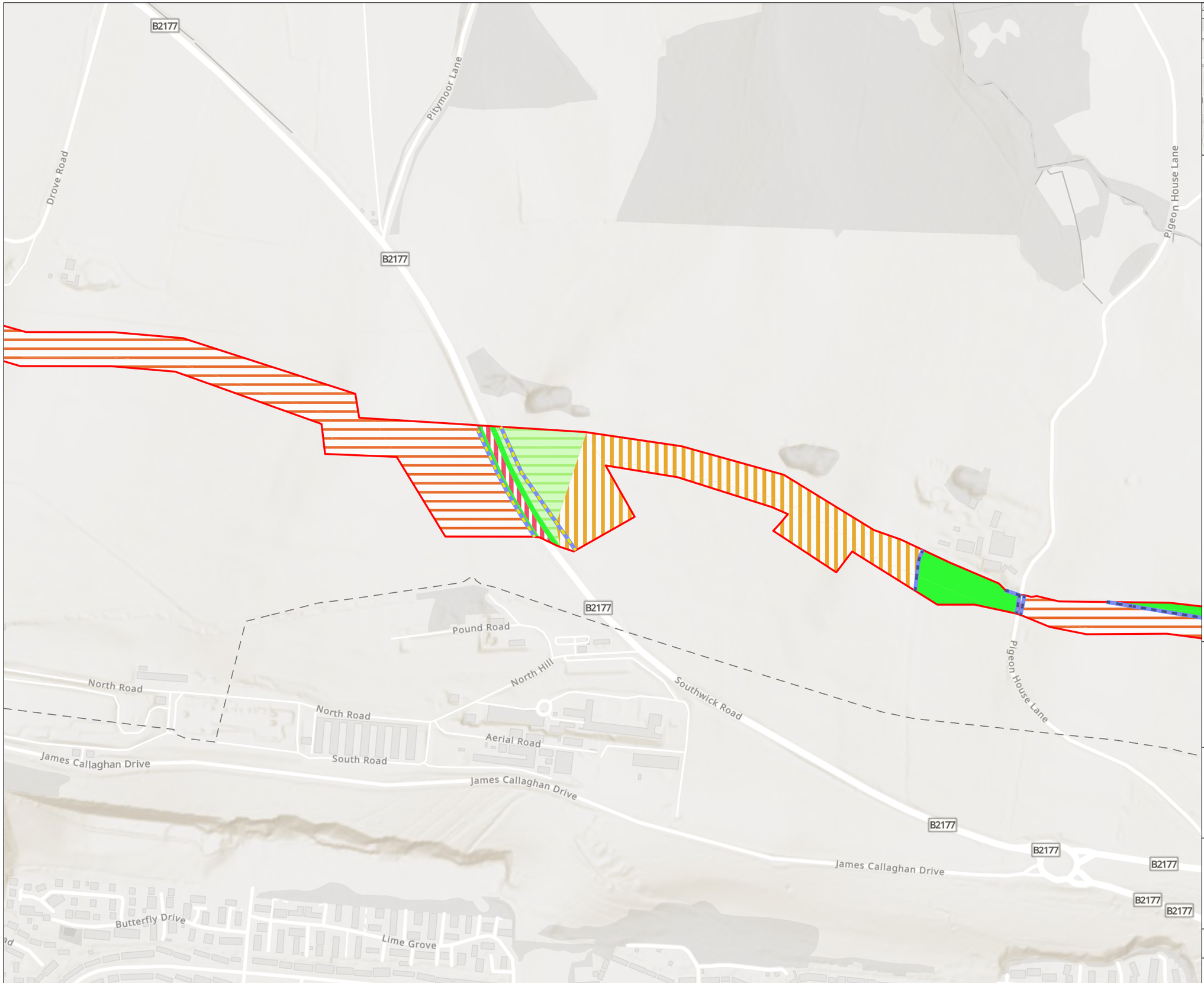

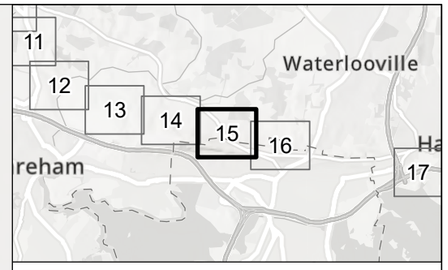

- Biodiversity Net Gain Boundary
- h2a - Native hedgerow
- h2a5, 11 - Species-rich native hedgerow with trees
- Cereal crops
- Developed land; sealed surface
- Mixed scrub
- Modified grassland
- Other neutral grassland
- Other woodland; broadleaved
- Temporary grass and clover leys

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WATER for LIFE from Southern Water

Hampshire Water Transfer and Water Recycling Project
BNG Post Development Habitat Classification
Sheet 15 of 17

Drawn	GIS Checked	Checked	Approved
L James	**F Saunders**	**L Mason**	**M Beacon**
Scale at A3	Status	Revision	Security
1:5,800	**INF**	**01**	**STD**

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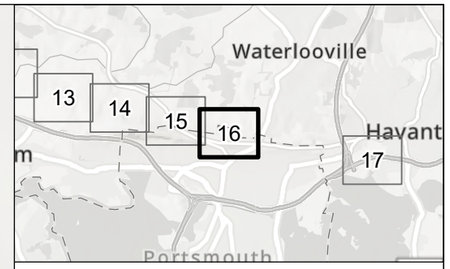

- Biodiversity Net Gain Boundary
- Rural tree
- h2a - Native hedgerow
- h2a, 11 - Native hedgerow with trees
- h2a5 - Species-rich native hedgerow
- h2a5, 11 - Species-rich native hedgerow with trees
- Biodiverse green roof
- Bramble scrub
- Cereal crops
- Developed land; sealed surface
- Hawthorn scrub
- Lowland calcareous grassland
- Mixed scrub
- Modified grassland
- Non-cereal crops
- Other neutral grassland
- Other woodland; broadleaved
- Other woodland; mixed
- Sustainable drainage system

Coordinate system: British National Grid; Datum: OSGB 1936

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WATER for LIFE from Southern Water

Hampshire Water Transfer and Water Recycling Project
BNG Post Development Habitat Classification
Sheet 16 of 17

Drawn	GIS Checked	Checked	Approved
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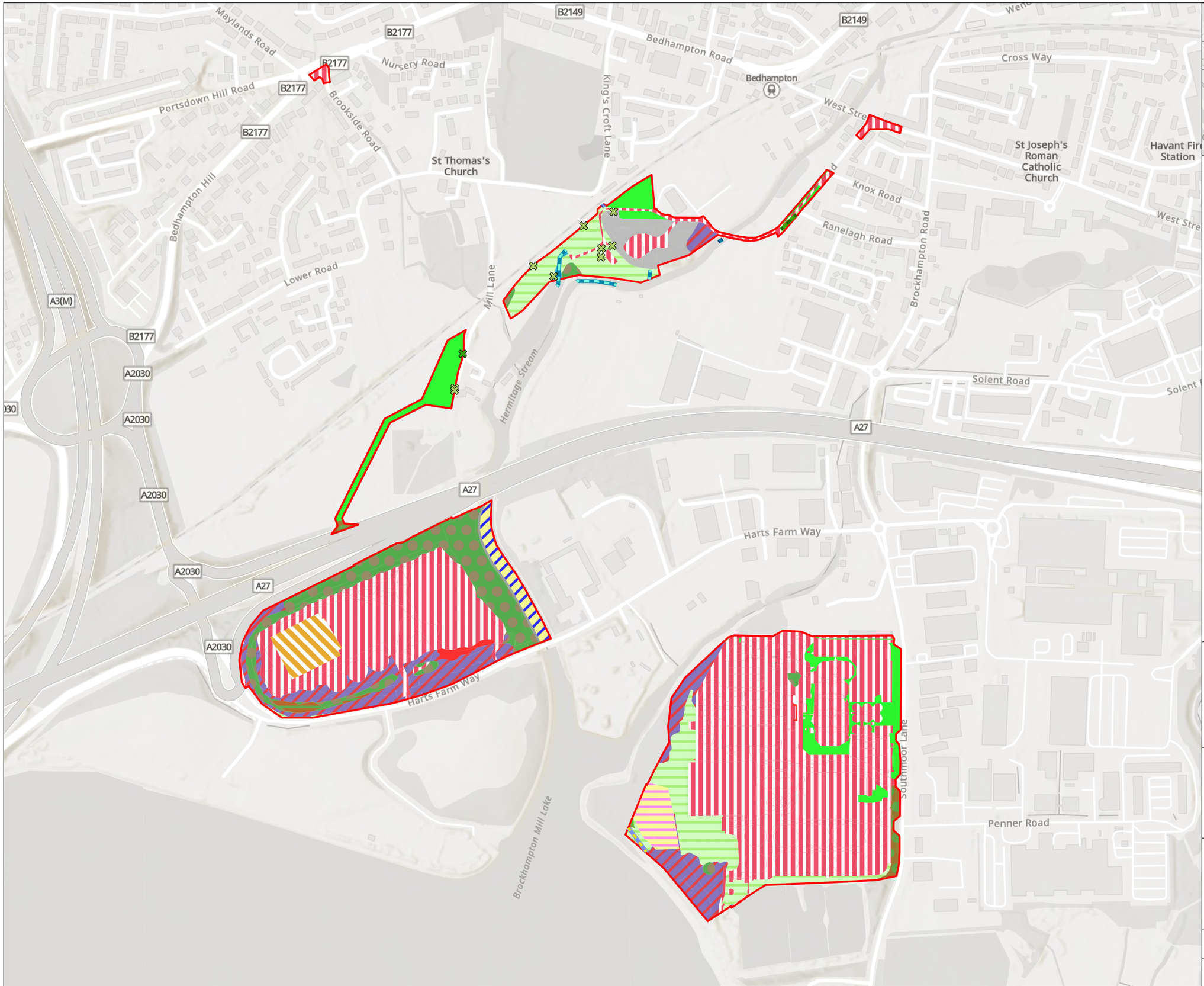

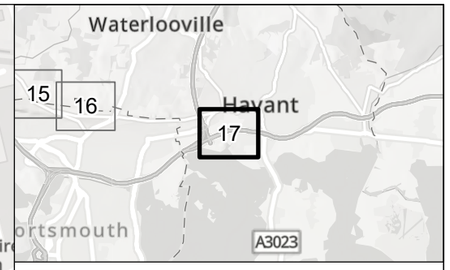

- Biodiversity Net Gain Boundary
- Rural tree
- Urban tree
- h2a - Native hedgerow
- h2a5, 11 - Species-rich native hedgerow with trees
- w1, 33 - Line of trees
- r2 - Rivers and streams
- r2b - Other rivers and streams
- Artificial hard structures
- Artificial unvegetated, unsealed surface
- Bramble scrub
- Developed land; sealed surface
- Littoral mud
- Lowland mixed deciduous woodland
- Mixed scrub
- Modified grassland
- Open mosaic habitats on previously developed land
- Ornamental lake or pond
- Other neutral grassland
- Other woodland; broadleaved
- Other woodland; mixed
- Reedbeds
- Ruderal/Ephemeral
- Sustainable drainage system
- Watercourse footprint
- Wet woodland

Coordinate system: British National Grid; Datum: OSGB 1936

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WATER for LIFE from Southern Water

Hampshire Water Transfer and Water Recycling Project
BNG Post Development Habitat Classification
Sheet 17 of 17

Drawn	GIS Checked	Checked	Approved
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Appendix D Statutory Biodiversity Metric

The Statutory Biodiversity Metric

Auditing and accounting for biodiversity

Calculation Tool

Version 1.0.4

Open Tool

The Statutory Biodiversity Metric
Start page

Project details			
Planning authority:	N/A		
Project name:	Hampshire Water Transfer and Water Recycling Project		
Applicant:	Southern Water		
Application type:	DCO		
Planning application reference:	N/A		
Completed by:	LM		
Date of metric completion:	02 March 2026		
Reviewer:	MB		
Calculation iteration:	3.3		
Planning authority reviewer:	N/A		
Date of planning authority review:	N/A		
Target % net gain:	10%		
Irreplaceable habitat present at baseline:	Yes ⚠		
Total site area - including irreplaceable habitat area (hectares):	305.37	Irreplaceable habitat site area (hectares):	0.00
Total off-site area - including irreplaceable habitat area (hectares):	N/A	Irreplaceable habitat area off-site (hectares):	N/A

Main menu

Results

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

View all

Reset view

On-site baseline map — Insert

On-site baseline map reference number	

On-site post intervention map — Insert

On-site post-intervention map reference number	

Off-site baseline map — Insert

Off-site baseline map reference number	

Off-site post intervention map — Insert

Off-site post-intervention reference number	

Key

Area habitats

Hedgerows and lines of trees

Watercourses

The Statutory Biodiversity Metric Main menu

Start page

Technical data

Results

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

Start here

1

2

3

4

On-site baseline

A-1 On-site Area Habitat Baseline

B-1 On-site Hedge Baseline

C-1 On-site Watercourse Baseline

On-site post development

A-2 On-site Area Habitat Creation

A-3 On-site Area Habitat Enhancement

B-2 On-site Hedge Creation

B-3 On-site Hedge Enhancement

C-2 On-site Watercourse Creation

C-3 On-site Watercourse Enhancement

Off-site baseline

D-1 Off-site Area Habitat Baseline

E-1 Off-site Hedge Baseline

F-1 Off-site Watercourse Baseline

Off-site post development

D-2 Off-site Area Habitat Creation

D-3 Off-site Area Habitat Enhancement

E-2 Off-site Hedge Creation

E-3 Off-site Hedge Enhancement

F-2 Off-site Watercourse Creation

F-3 Off-site Watercourse Enhancement

The Statutory Biodiversity Metric Results

Return to start page

Headline results

Detailed results

Habitat trading summaries

Off-site summary

Irreplaceable habitats summary

Credits Summary

Hampshire Water Transfer and Water Recycling Proj

Headline Results

Scroll down for final results ⚠

Return to results menu

On-site baseline	*Area habitat units*	1142.82		
	Hedgerow units	133.27		
	Watercourse units	12.48		
On-site post-intervention (Including habitat retention, creation & enhancement)	*Area habitat units*	1087.16		
	Hedgerow units	116.91		
	Watercourse units	11.59		
On-site net change (units & percentage)	*Area habitat units*	-55.66	-4.87%	On-site net gain is less than target set ⚠
	Hedgerow units	-16.36	-12.28%	On-site net gain is less than target set ⚠
	Watercourse units	-0.89	-7.14%	On-site net gain is less than target set ⚠

Off-site baseline	*Area habitat units*	0.00	
	Hedgerow units	0.00	
	Watercourse units	0.00	
Off-site post-intervention (Including habitat retention, creation & enhancement)	*Area habitat units*	0.00	
	Hedgerow units	0.00	
	Watercourse units	0.00	
Off-site net change (units & percentage)	*Area habitat units*	0.00	0.00%
	Hedgerow units	0.00	0.00%
	Watercourse units	0.00	0.00%

Combined net unit change (Including all on-site & off-site habitat retention, creation & enhancement)	*Area habitat units*	-55.66
	Hedgerow units	-16.36
	Watercourse units	-0.89
Spatial risk multiplier (SRM) deductions	*Area habitat units*	0.00
	Hedgerow units	0.00
	Watercourse units	0.00

FINAL RESULTS

Total net unit change (Including all on-site & off-site habitat retention, creation & enhancement)	*Area habitat units*	-55.66
	Hedgerow units	-16.36
	Watercourse units	-0.89
Total net % change (Including all on-site & off-site habitat retention, creation & enhancement)	*Area habitat units*	-4.87%
	Hedgerow units	-12.28%
	Watercourse units	-7.14%
Trading rules satisfied?		No - Check Trading Summaries ▲

Total net gain achieved is less than target set ▲

Total net gain achieved is less than target set ▲

Total net gain achieved is less than target set ▲

Unit Type	Target	Baseline Units	Units Required	Unit Deficit
Area habitat units	10.00%	1142.82	1257.10	169.94
Hedgerow units	10.00%	133.27	146.60	29.69
Watercourse units	10.00%	12.48	13.73	2.14

Input errors/rule breaks present in metric ▲

Hampshire Water Transfer and Water Recycling Project

Detailed Results

Return to results menu

Summary Figures

Net project biodiversity units (Including all on-site & off-site habitat retention / creation)		
	Area habitat units	-55.66
	Hedgerow units	-16.36
	Watercourse units	-0.89

Total project biodiversity % change (Including all on-site & off-site habitat creation + retained habitats)		
	Area habitat units	-4.87%
	Hedgerow units	-12.28%
	Watercourse units	-7.14%

Combined habitat retention and enhancement

	Area Habitats	Hedgerows	Watercourses
Total on-site and off-site baseline area / length	307.09	12.99	2.21
Total on-site and off-site baseline units	1142.82	133.27	12.48
Total on-site and off-site baseline area / length retained	183.66	8.01	2.00
Total on-site and off-site baseline units retained	559.63	83.44	10.84
Total on-site and off-site area / length proposed for enhancement	10.51	0.41	0.00
Total on-site and off-site baseline units proposed for enhancement	58.16	1.64	0.00
Total on-site and off-site baseline area / length lost	112.91	4.57	0.21
Total on-site and off-site baseline units lost	495.65	48.18	1.64

Area Habitats

Area habitats

On-site change by broad habitat type

Habitat group	Baseline		Post-development on-site		On-site change	
	On-site existing area	On-site existing value	On-site proposed area	On-site proposed value	On-site area change	On-site unit change
Cropland	101.02	204.31	90.42	180.89	-10.60	-23.42
Grassland	158.94	645.49	162.64	682.16	3.70	36.67
Heathland and shrub	4.64	45.58	6.16	43.81	1.53	-1.77
Lakes	0.01	0.10	0.01	0.09	0.00	0.00
Sparsely vegetated land	0.72	4.29	0.72	3.91	0.00	-0.38
Urban	24.23	78.10	28.43	5.51	4.20	-72.59
Wetland	0.54	3.23	0.54	3.23	0.00	0.00
Woodland and forest	14.59	150.77	15.76	157.62	1.17	6.85
Intertidal sediment	0.44	5.23	0.44	5.23	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	0.09	0.37	0.09	0.37	0.00	0.00
Watercourse footprint	0.25	0.00	0.25	0.00	0.00	0.00
Individual trees	1.62	5.35	1.58	4.35	-0.05	-1.01

Area Habitats

Off-site change by broad habitat type						
	Baseline		Post-development off-site		Off-site change	
Habitat group	Off-site 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
Watercourse footprint	0.00	0.00	0.00	0.00	0.00	0.00
Individual trees	0.00	0.00	0.00	0.00	0.00	0.00

Combined on-site and off-site change by broad habitat type						
	Baseline		On-site and off-site post-development		Combined change	
Habitat group	Combined existing area	Combined existing value	Combined proposed area	Combined proposed value	Combined area change	Combined unit change
Cropland	101.02	204.31	90.42	180.89	-10.60	-23.42
Grassland	158.94	645.49	162.64	682.16	3.70	36.67
Heathland and shrub	4.64	45.58	6.16	43.81	1.53	-1.77
Lakes	0.01	0.10	0.01	0.09	0.00	0.00
Sparsely vegetated land	0.72	4.29	0.72	3.91	0.00	-0.38
Urban	24.23	78.10	28.43	5.51	4.20	-72.59
Wetland	0.54	3.23	0.54	3.23	0.00	0.00
Woodland and forest	14.59	150.77	15.76	157.62	1.17	6.85
Intertidal sediment	0.44	5.23	0.44	5.23	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	0.09	0.37	0.09	0.37	0.00	0.00
Watercourse footprint	0.25	0.00	0.25	0.00	0.00	0.00
Individual trees	1.62	5.35	1.58	4.35	-0.05	-1.01

Hedgerows and Lines of Trees

Hedgerows and lines of trees

On-site change by hedgerow type						
	Baseline		Post-development on-site		On-site change	
Hedgerow type	On-site existing length	On-site existing value	On-site proposed length	On-site proposed value	On-site length change	On-site unit change
Species-rich native hedgerow with trees - associated with bank or ditch	0.69	16.24	0.69	14.32	0.00	-1.93
Species-rich native hedgerow with trees	1.98	33.63	2.11	28.45	0.13	-5.18
Species-rich native hedgerow - associated with bank or ditch	0.35	6.34	0.35	5.54	0.00	-0.80
Native hedgerow with trees - associated with bank or ditch	0.60	7.97	0.60	6.72	0.00	-1.25
Species-rich native hedgerow	2.09	24.88	2.49	24.77	0.40	-0.11
Native hedgerow - associated with bank or ditch	1.02	8.84	1.02	8.22	0.00	-0.61
Native hedgerow with trees	1.03	10.23	1.03	7.36	0.00	-2.87
Ecologically valuable line of trees	0.58	5.72	0.49	3.90	-0.09	-1.82
Ecologically valuable line of trees - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native hedgerow	3.48	15.54	3.28	14.20	-0.19	-1.34
Line of trees	0.94	3.63	0.94	3.19	0.00	-0.44
Line of trees - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Non-native and ornamental hedgerow	0.24	0.24	0.24	0.24	0.00	0.00

Hedgerows and Lines of Trees

Off-site change by hedgerow type						
	Off-site baseline		Post-development off-site		Off-site change	
Hedgerow type	Off-site existing length	Off-site existing value	Off-site proposed length	Off-site proposed value	Off-site length change	Off-site unit change
Species-rich native hedgerow with trees - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Species-rich native hedgerow with trees	0.00	0.00	0.00	0.00	0.00	0.00
Species-rich native 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
Species-rich native 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
Ecologically valuable line of trees	0.00	0.00	0.00	0.00	0.00	0.00
Ecologically valuable line of trees - associated 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
Non-native and ornamental hedgerow	0.00	0.00	0.00	0.00	0.00	0.00

Hedgerows and Lines of Trees

Combined on-site and off-site change by hedgerow type						
	Baseline		Post-development		Change	
Hedgerow type	Combined existing length	Combined existing value	Combined proposed length	Combined proposed value	Combined length change	Combined unit change
Species-rich native hedgerow with trees - associated with bank or ditch	0.69	16.24	0.69	14.32	0.00	-1.93
Species-rich native hedgerow with trees	1.98	33.63	2.11	28.45	0.13	-5.18
Species-rich native hedgerow - associated with bank or ditch	0.35	6.34	0.35	5.54	0.00	-0.80
Native hedgerow with trees - associated with bank or ditch	0.60	7.97	0.60	6.72	0.00	-1.25
Species-rich native hedgerow	2.09	24.88	2.49	24.77	0.40	-0.11
Native hedgerow - associated with bank or ditch	1.02	8.84	1.02	8.22	0.00	-0.61
Native hedgerow with trees	1.03	10.23	1.03	7.36	0.00	-2.87
Ecologically valuable line of trees	0.58	5.72	0.49	3.90	-0.09	-1.82
Ecologically valuable line of trees - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native hedgerow	3.48	15.54	3.28	14.20	-0.19	-1.34
Line of trees	0.94	3.63	0.94	3.19	0.00	-0.44
Line of trees - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Non-native and ornamental hedgerow	0.24	0.24	0.24	0.24	0.00	0.00

Watercourses

Watercourses

On-site change by watercourse type						
	Baseline		Post-development on site		On-site Change	
Watercourse type	On-site existing length	On-site existing value	On-site proposed length	On-site proposed value	On-site length change	On-site unit change
Priority habitat	0.0	0.0	0.0	0.0	0.0	0.0
Other rivers and streams	0.7	5.8	0.7	5.7	0.0	-0.1
Ditches	1.5	6.7	1.5	5.9	0.0	-0.7
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

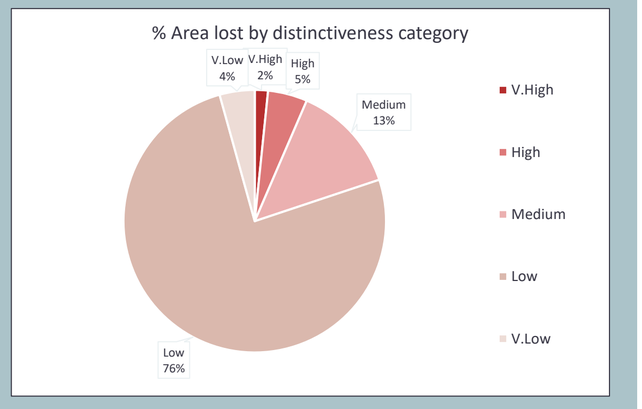
Watercourses

Off-site change by watercourse type						
	Baseline		Post development off-site		Off-site Change	
Watercourse type	Off-site existing length	Off-site existing value	Off-site proposed length	Off-site proposed value	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-site and off-site change by watercourse type						
	Baseline		Post-development on-site		On-site change	
Watercourse type	Combined existing length	Combined existing value	Combined proposed length	Combined proposed value	Combined length change	Combined unit change
Priority habitat	0.0	0.0	0.0	0.0	0.0	0.0
Other rivers and streams	0.7	5.8	0.7	5.7	0.0	-0.1
Ditches	1.5	6.7	1.5	5.9	0.0	-0.7
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

Detailed Results

Combined area lost from baseline(s) by distinctiveness band		
Category	Area lost (hectares)	Area lost (%)
V.High	1.8356	2
High	5.4878	5
Medium	15.13056127	13
Low	85.5806	76
V.Low	4.8763	4



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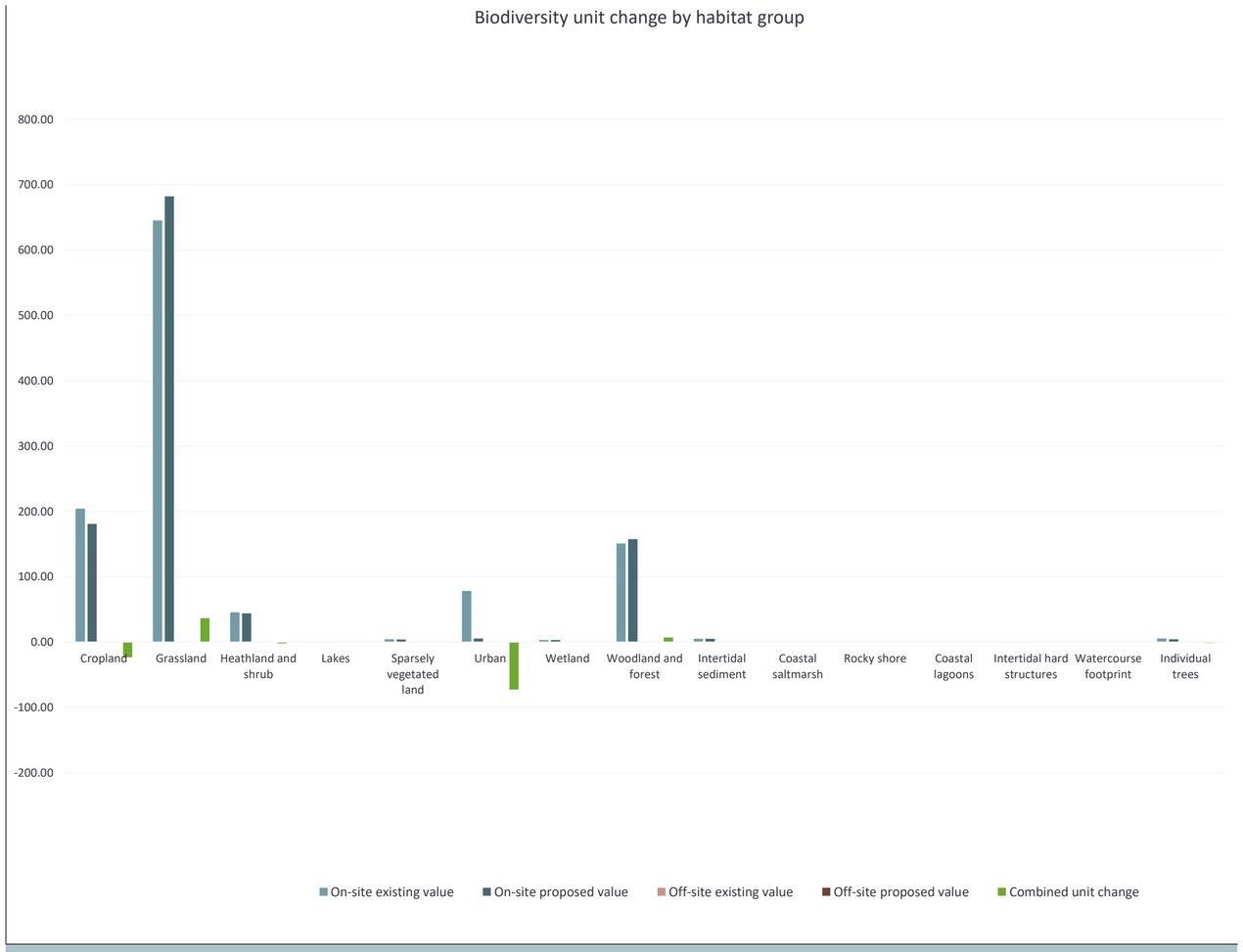
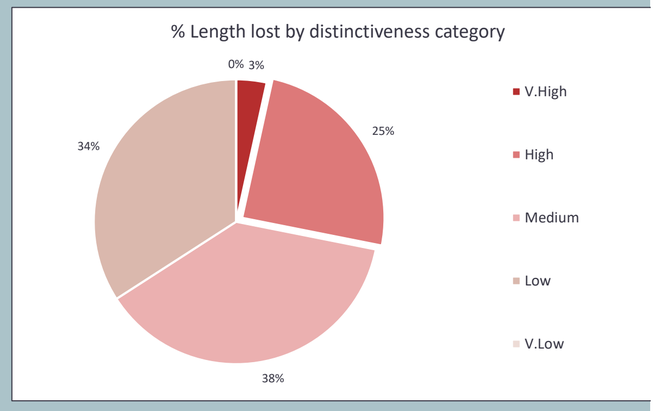


Combined length lost from baseline(s) by distinctiveness band		
Category	Length lost (km)	Length lost (%)
V.High	0.1575	3
High	1.128	25
Medium	1.7265	38
Low	1.5591	34
V.Low	0	



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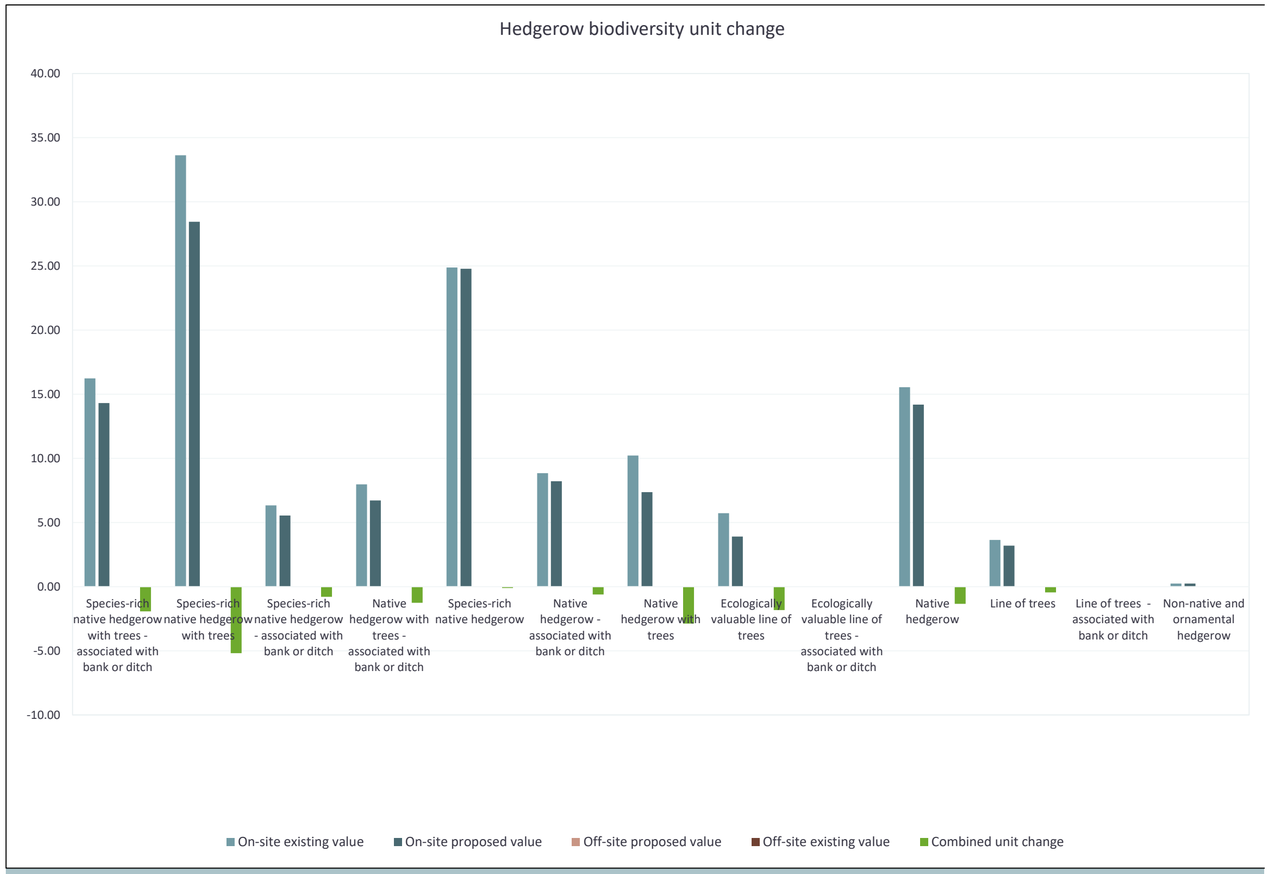
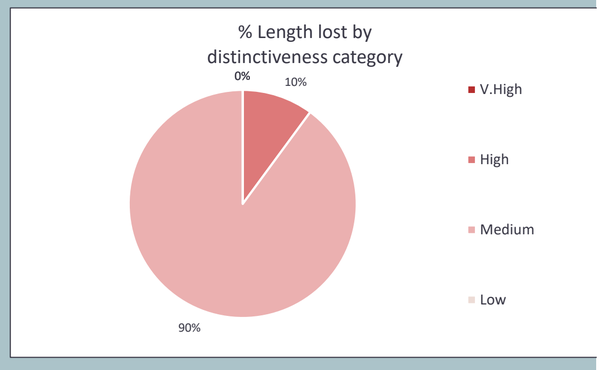


Combined length lost from baseline(s) by distinctiveness band		
Category	Length lost (km)	Length lost (%)
V.High	0	
High	0.0213	10
Medium	0.1897	90
Low	0	



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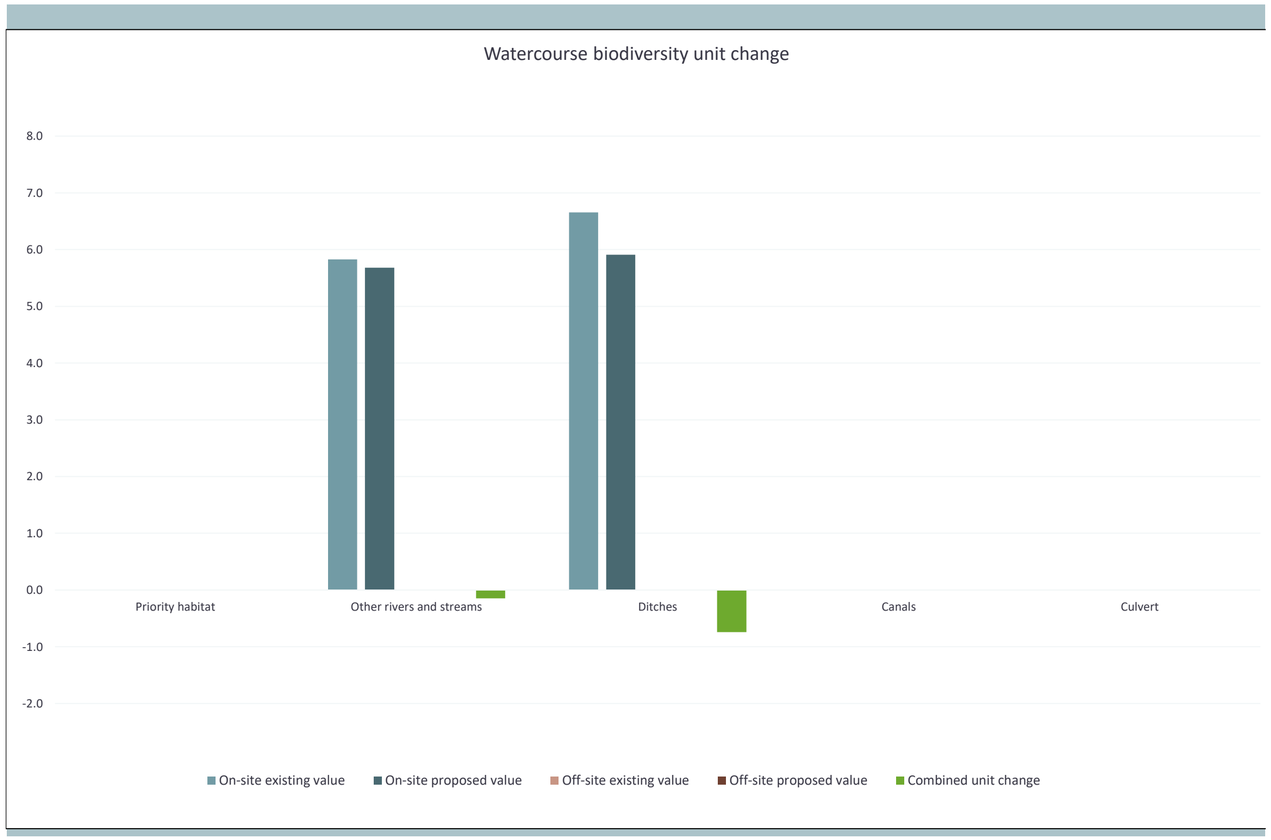
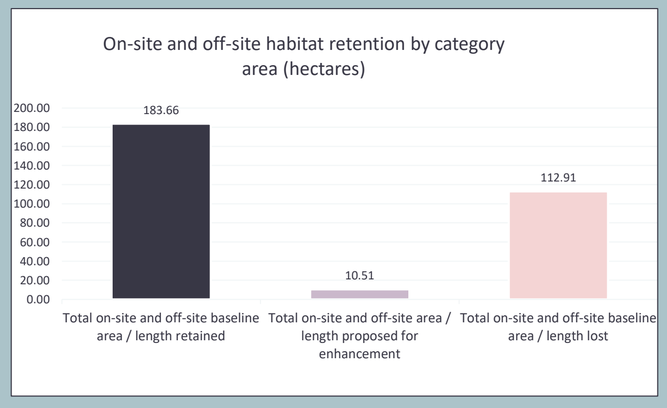
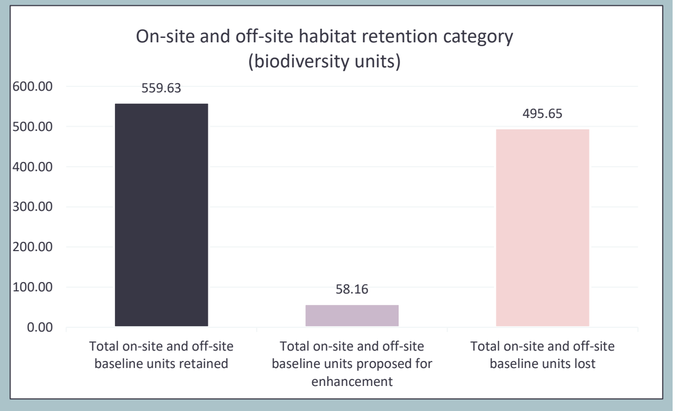
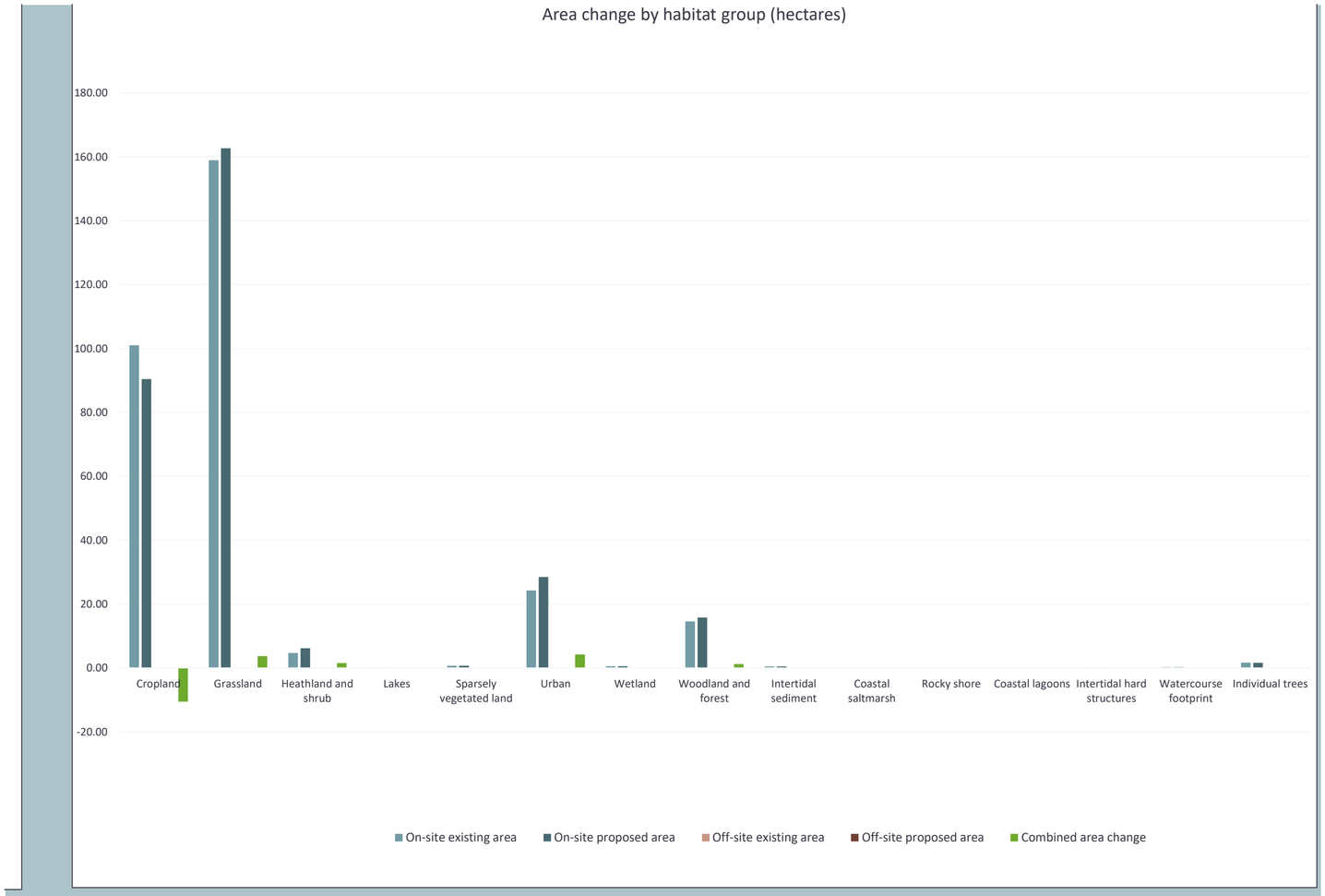
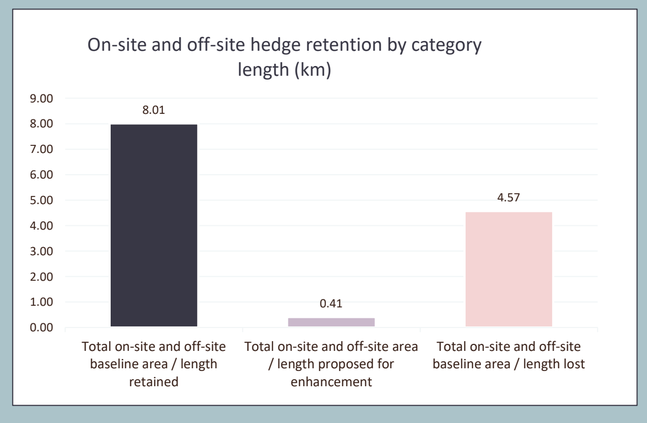


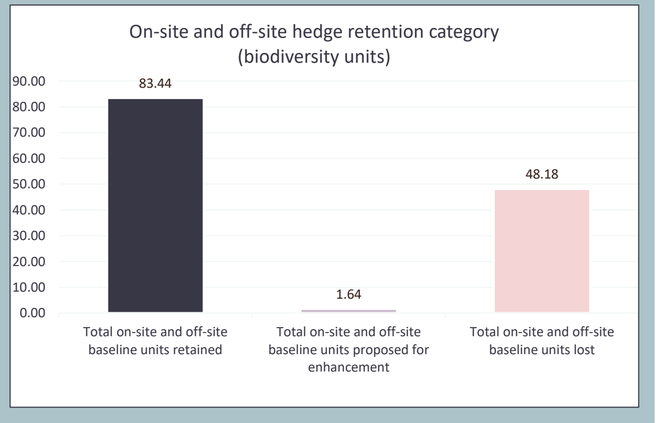

On-site and off-site habitat retention by category area (hectares)
200.00
180.00
160.00
140.00
120.00
100.00
80.00
60.00
40.00
20.00
0.00
183.66
10.51
112.91
Total on-site and off-site baseline area / length retained
Total on-site and off-site area / length proposed for enhancement
Total on-site and off-site baseline area / length lost


On-site and off-site habitat retention category (biodiversity units)
600.00
500.00
400.00
300.00
200.00
100.00
0.00
559.63
58.16
495.65
Total on-site and off-site baseline units retained
Total on-site and off-site baseline units proposed for enhancement
Total on-site and off-site baseline units lost

Detailed Results







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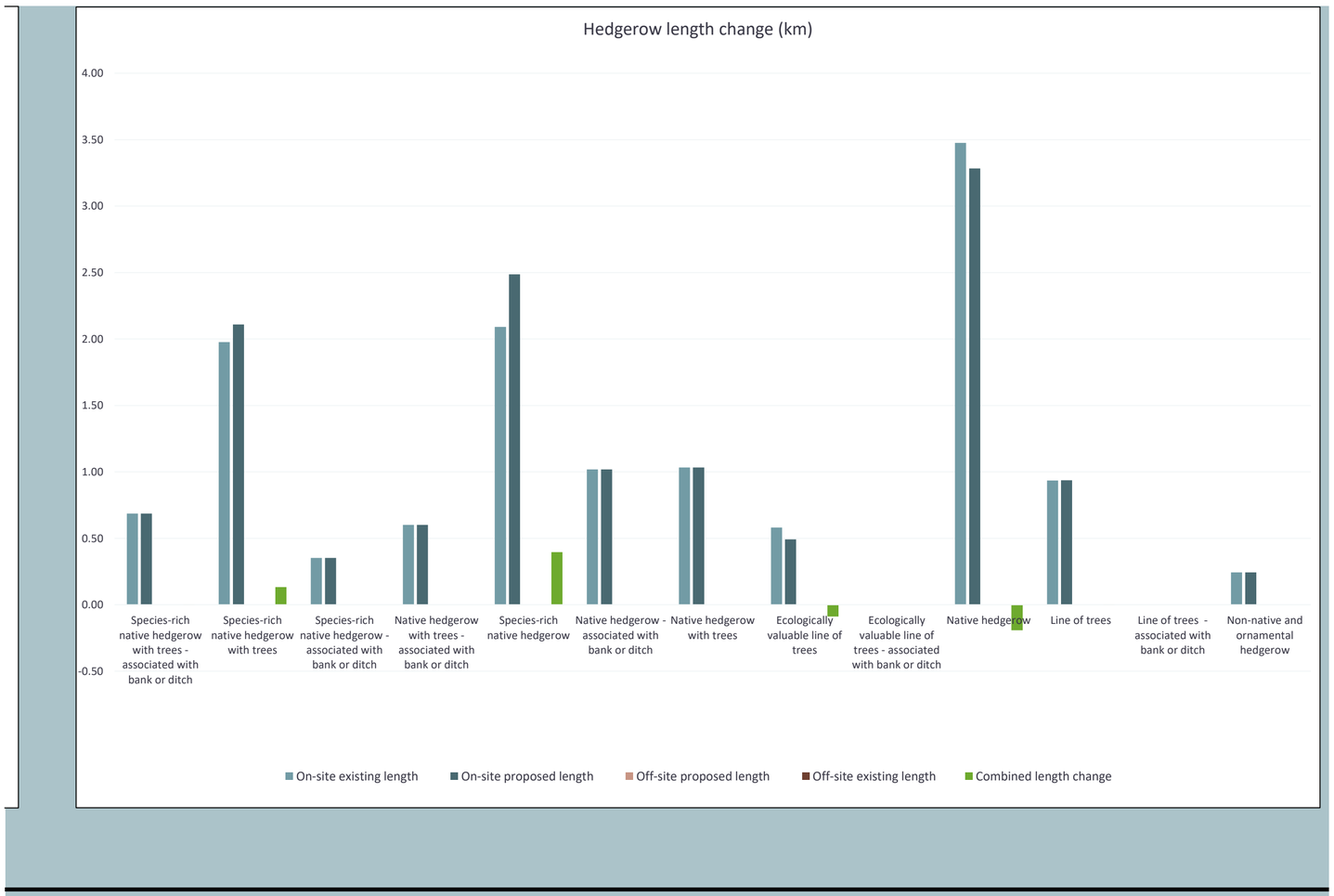

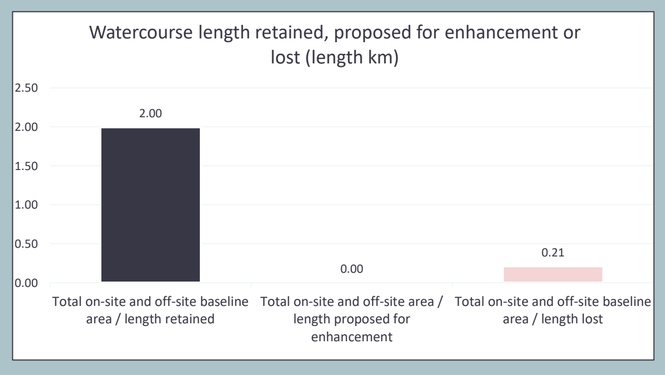

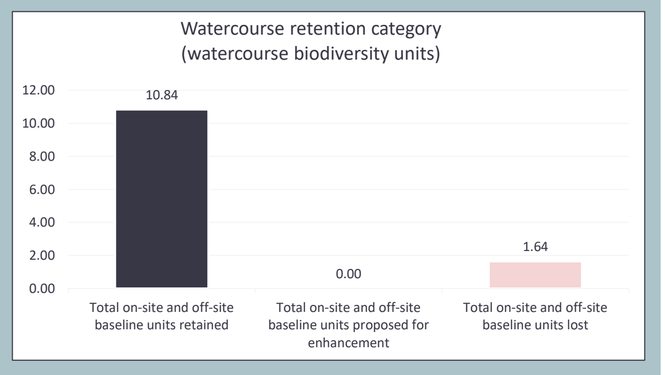

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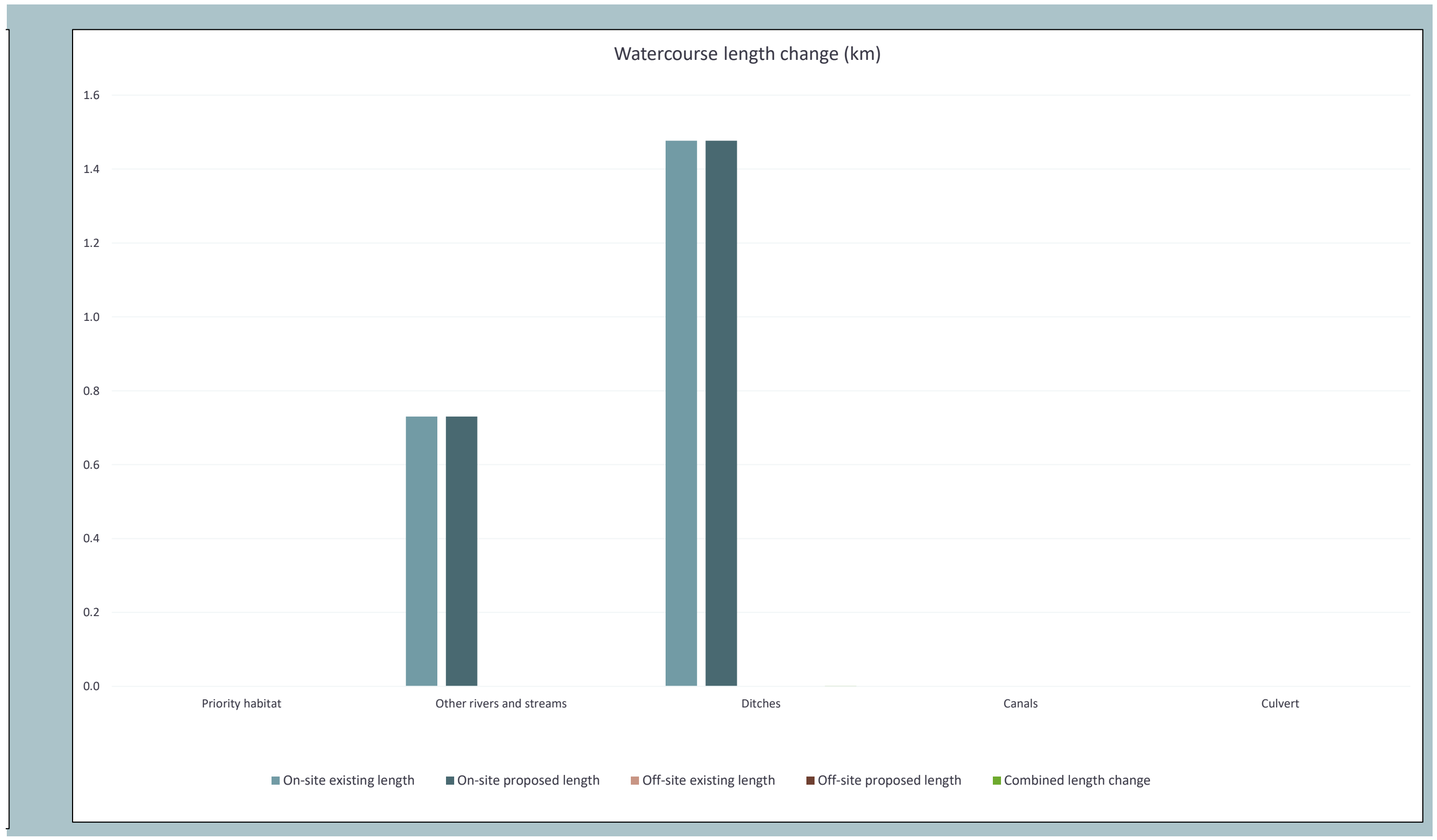

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Trading summary hedgerows

Trading summary watercourses

Trading Summary

Distinctiveness Group	Trading Rule	Trading Satisfied?
Very High	Same habitat required – bespoke compensation option ⚠	Yes ✓
High	Same habitat required =	No ▲
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	0.00	0.00	0.00	
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	
		0.00	0.00	0.00	0.00

Very High Distinctiveness Summary

Very High Distinctiveness Units available to offset lower distinctiveness deficit	0.00
Remaining losses; Like for like not satisfied	0.00

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 and CFGM	Grassland	12.40	0.00	12.40	✓
Grassland - Lowland calcareous grassland	Grassland	6.37	0.00	6.37	✓
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 - Dunes with sea buckthorn (H2160)	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 (H3170)	Lakes	0.00	0.00	0.00	
Sparsely vegetated land - Coastal sand dunes	Sparsely vegetated land	0.00	0.00	0.00	
Sparsely vegetated land - Coastal vegetated 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	-73.28	0.00	-73.28	-73.28 ▲
Wetland - Reedbeds	Wetland	0.00	0.00	0.00	
Woodland and forest - Felled/Replacement for felled woodland	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	-2.62	0.00	-2.62	-2.62 ▲
Woodland and forest - Native pine woodlands	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Upland birchwoods	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Upland mixed ashwoods	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Upland oakwood	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Wet woodland	Woodland and forest	0.69	0.00	0.69	✓
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	
Intertidal sediment - Littoral seagrass	Intertidal sediment	0.00	0.00	0.00	
		-56.45	0.00	-56.45	-75.90

High Distinctiveness Summary

High Distinctiveness Units available to offset lower distinctiveness deficit	19.45 ✓
Remaining losses; Like for like not satisfied	-75.90 ▲

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	-0.78 ⚠
Cropland - Arable field margins game bird mix	Cropland	0.00	0.00	0.00	
Cropland - Arable field margins pollen and nectar	Cropland	0.00	0.00	0.00	
Cropland - Arable field margins tussocky	Cropland	-0.78	0.00	-0.78	
Grassland - Other lowland acid grassland	Grassland	0.00	0.00	0.00	98.21 ✓
Grassland - Other neutral grassland	Grassland	98.21	0.00	98.21	
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	-1.77 ⚠
Heathland and shrub - Bramble scrub	Heathland and shrub	-0.01	0.00	-0.01	
Heathland and shrub - Gorse scrub	Heathland and shrub	0.00	0.00	0.00	
Heathland and shrub - Hawthorn scrub	Heathland and shrub	0.00	0.00	0.00	
Heathland and shrub - Willow scrub	Heathland and shrub	0.00	0.00	0.00	
Heathland and shrub - Hazel scrub	Heathland and shrub	0.00	0.00	0.00	
Heathland and shrub - Mixed scrub	Heathland and shrub	-1.76	0.00	-1.76	
Lakes - Ponds (non-priority habitat)	Lakes	0.00	0.00	0.00	0.00 ⚠
Lakes - Reservoirs	Lakes	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	0.28 ✓
Urban - Biodiverse green roof	Urban	0.28	0.00	0.28	
Individual trees - Urban tree	Individual trees	-0.05	0.00	-0.05	-1.01 ⚠
Individual trees - Rural tree	Individual trees	-0.96	0.00	-0.96	
Woodland and forest - Other Scot's pine woodland	Woodland and forest	0.00	0.00	0.00	8.81 ✓
Woodland and forest - Other woodland; broadleaved	Woodland and forest	8.87	0.00	8.87	
Woodland and forest - Other woodland; mixed	Woodland and forest	-0.06	0.00	-0.06	
Intertidal sediment - Littoral coarse sediment	Intertidal sediment	0.00	0.00	0.00	0.00
Intertidal sediment - Littoral sand	Intertidal sediment	0.00	0.00	0.00	
Intertidal hard structures - Artificial hard structures with integrated greening of grey infrastructure (IGGI)	Intertidal hard structures	0.00	0.00	0.00	
		103.75	0.00	103.75	

Medium Distinctiveness Summary

Medium Distinctiveness Units available to offset lower distinctiveness deficit	107.31	✓
Medium Distinctiveness broad habitat losses to be offset by trading up	-3.56	⚠
Medium Distinctiveness Unit deficit (required to meet trading rules)	15.90	✓

Low Distinctiveness

Habitat group	Group	On-site unit change	Off-site unit change	Project wide unit change	
Cropland - Cereal crops	Cropland	-11.79	0.00	-11.79	⚠
Cropland - Horticulture	Cropland	-0.11	0.00	-0.11	⚠
Cropland - Intensive orchards	Cropland	0.00	0.00	0.00	
Cropland - Non-cereal crops	Cropland	-5.75	0.00	-5.75	⚠
Cropland - Temporary grass and clover leys	Cropland	-5.00	0.00	-5.00	⚠
Cropland - Winter stubble	Cropland	0.00	0.00	0.00	
Grassland - Modified grassland	Grassland	-80.31	0.00	-80.31	⚠
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	-0.38	0.00	-0.38	⚠
Sparsely vegetated land - Tall forbs	Sparsely vegetated land	0.00	0.00	0.00	
Urban - Bioswale	Urban	0.00	0.00	0.00	
Urban - Bare ground	Urban	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 drainage system	Urban	0.41	0.00	0.41	✓
Urban - Vacant or derelict land	Urban	0.00	0.00	0.00	
Urban - Vegetated garden	Urban	0.00	0.00	0.00	
Woodland and forest - Other coniferous woodland	Woodland and forest	-0.04	0.00	-0.04	⚠
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 hard structures	0.00	0.00	0.00	
Intertidal hard structures - Artificial features of hard structures	Intertidal hard structures	0.00	0.00	0.00	
Heathland and shrub - Other sea buckthorn scrub	Heathland and shrub	0.00	0.00	0.00	
		-102.97	0.00	-102.97	

Low Distinctiveness Summary

Units available to offset Low Distinctiveness deficit	123.21	✓
Low Distinctiveness net change in units	-102.97	⚠
Cumulative surplus of units	20.24	✓

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Trading summary area habitats

Trading summary watercourses

Trading Summary

Distinctiveness Group	Trading Rule	Trading Satisfied?
Very High	Same habitat required =	No ▲
High	Like for like or better	No ▲
Medium	Same distinctiveness or better habitat required	No ▲
Low	Same distinctiveness or better habitat required	No ▲
Very Low	Same distinctiveness or better habitat required	Yes ✓

Very High Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project-wide unit change
Species-rich native hedgerow with trees - associated with bank or ditch	-1.93	0.00	-1.93 ▲
	-1.93	0.00	-1.93

Very High Distinctiveness Summary

Very High Distinctiveness Units available to offset lower distinctiveness deficit	0.00
Remaining losses; Like for like not satisfied	-1.93 ▲

High Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project wide unit change
Species-rich native hedgerow with trees	-5.18	0.00	-5.18 ⚠
Species-rich native hedgerow - associated with bank or ditch	-0.80	0.00	-0.80 ⚠
Native hedgerow with trees - associated with bank or ditch	-1.25	0.00	-1.25 ⚠
	-7.23	0.00	-7.23

High Distinctiveness Summary

High Distinctiveness Units available to offset lower distinctiveness deficit	0.00
High Distinctiveness losses to be offset by trading up	-7.23 ⚠
Higher Distinctiveness surplus units minus any high distinctiveness deficit	-7.23 ⚠

Medium Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project wide unit change
Species-rich native hedgerow	-0.11	0.00	-0.11 ⚠
Native hedgerow - associated with bank or ditch	-0.61	0.00	-0.61 ⚠
Native hedgerow with trees	-2.87	0.00	-2.87 ⚠
Ecologically valuable line of trees	-1.82	0.00	-1.82 ⚠
Ecologically valuable line of trees - associated with bank or ditch	0.00	0.00	0.00
	-5.42	0.00	-5.42

Medium Distinctiveness Summary

Units available from higher distinctiveness habitats	0.00
Medium Distinctiveness net change in units	-5.42 ⚠
Cumulative availability of units	-5.42 ⚠

Low Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project wide unit change
Native hedgerow	-1.34	0.00	-1.34 ⚠
Line of trees	-0.44	0.00	-0.44 ⚠
Line of trees - associated with bank or ditch	0.00	0.00	0.00
	-1.79	0.00	-1.79

Low Distinctiveness Summary

Low Distinctiveness net change in units	-1.79 ⚠
Cumulative availability of units	-1.79 ⚠

Very Low Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project wide unit change
Non-native and ornamental hedgerow	0.00	0.00	0.00
	0.00	0.00	0.00

Very Low Distinctiveness Summary

Very Low Distinctiveness net change in units	0.00
Cumulative availability of units	0.00

Return to results menu

Trading summary area habitats

Trading summary hedgerows

Trading Summary

Distinctiveness Group	Trading Rule	Trading Satisfied?
Very High	Same habitat required – bespoke compensation option ⚠	Yes ✓
High	Same habitat required =	No ▲
Medium	Same habitat required =	No ▲
Low	Better distinctiveness habitat required	Yes ✓

Very High Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project-wide unit change
Priority habitat	0.00	0.00	0.00
	0.00	0.00	0.00

Very High Distinctiveness Summary

Very High Distinctiveness Units available to offset lower distinctiveness deficit	0.00
Remaining losses; Like for like not satisfied	0.00

High Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project-wide unit change
Other rivers and streams	-0.15	0.00	-0.15 ▲
	-0.15	0.00	-0.15

High Distinctiveness Summary

High Distinctiveness Units available to offset lower distinctiveness deficit	0.00
Remaining losses; Like for like not satisfied	-0.15 ▲

Medium Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project wide unit change
Ditches	-0.74	0.00	-0.74 ▲
Canals	0.00	0.00	0.00
	-0.74	0.00	-0.74

Medium Distinctiveness Summary

Medium Distinctiveness Units available to offset Lower Distinctiveness Deficit	0.00
Remaining losses; Like for like not satisfied	-0.74 ▲

Low Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project wide unit change
Culvert	0.00	0.00	0.00
	0.00	0.00	0.00

Low Distinctiveness Summary

Low Distinctiveness net change in units	0.00
Cumulative availability of units	0.00

Credits Required by Tier/Module	
Tier	Credits Required
A1	188.09 ▲
A2	146.56 ▲
A3	0.00
A4	5.24 ▲
A5	0.00
H	59.38 ▲
W	4.28 ▲

*The spatial risk multiplier has already been applied to calculate these values.

Summary of sites providing area habitat unit gains						
Gain site reference	Off-site units baseline	Off-site units retained	Off-site units enhanced	Off-site units created	Off-site unit change per gain site (pre-SRM)	Off-site unit change per gain site (post-SRM)

Off-site gain site summary

Irreplaceable area habitats on-site

👁 For further information please refer to the irreplaceable habitats section of the metric user guide. This sheet is autopopulated from the A1 on-site habitat baseline tab, with the exception of irreplaceable habitat name.

Habitat reference	Metric habitat type	Irreplaceable habitat name	Total area at baseline	Area retained	Area enhanced	Area lost	Bespoke compensation agreed for losses?	User comments	Planning authority comments	Habitat reference number
48	Individual trees - Rural tree		0.81	0.81	0.00	0.00		Low SS applied as per SBM User Guide. Veteran trees to be protected and retained.		
51	Individual trees - Urban tree		0.20	0.20	0.00	0.00		Low SS applied as per SBM User Guide. Veteran trees to be protected and retained.		

Project Name: Hampshire Water Transfer and Water Recycling Project Map Reference:

A-1 On-Site Habitat Baseline

Condense / Show Columns | Condense / Show Rows | Main Menu

Area habitat summary	
Total Net Unit Change	-55.66
Total Net % Change	-4.87%
Trading Rules Satisfied	No - check trading summaries ▲

Please ensure the watercourse details for any watercourse footprints recorded are included in the watercourse tabs ⚠

Existing area habitats				Distinctiveness		Condition		Strategic significance				Ecological baseline								Comments		
Ref	Broad Habitat	Habitat Type	Irreplaceable habitat	Area (hectares)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic significance multiplier	Required Action to Meet Trading Rules	Total habitat units	Area retained	Area enhanced	Baseline units retained	Baseline units enhanced	Area habitat lost	Units lost	Bespoke compensation agreed for losses of VHDH or irreplaceable habitat	User comments	Planning authority comments	Habitat reference number
1	Cropland	Arable field margins tussocky	No	1.132	Medium	4	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required (≥)	4.53	0.9381		3.75	0.00	0.19	0.78		As per the Statutory Biodiversity Metric (SBM) User Guide, where a Local Nature Recovery Strategy (LNRS) has been published the Strategic Significance (SS) to be scored as low for all baseline habitats. The Hampshire LNRS has been published and therefore this habitat has been scored as low SS.		
2	Cropland	Cereal crops	No	75.9411	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 ≥	151.88	50.8449		101.69	0.00	25.10	50.19		Low SS applied as per SBM User Guide.		
3	Cropland	Horticulture	No	1.6894	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 ≥	3.38	0.0607		0.12	0.00	1.63	3.26		Low SS applied as per SBM User Guide.		
4	Cropland	Non-cereal crops	No	3.9442	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 ≥	7.89	1.0217		2.04	0.00	2.92	5.85		Low SS applied as per SBM User Guide.		
5	Cropland	Temporary grass and clover leys	No	18.3169	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 ≥	36.63	11.4205		22.84	0.00	6.90	13.79		Low SS applied as per SBM User Guide.		
6	Grassland	Floodplain wetland mosaic and CFGM	No	2.1826	High	6	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same habitat required =	26.19	0.0486	2.134	0.58	25.61	0.00	0.00		No loss anticipated all areas to retained or enhanced. Low SS applied as per SBM User Guide.		
7	Grassland	Lowland calcareous grassland	No	1.3055	High	6	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same habitat required =	23.50	0.686		12.35	0.00	0.62	11.15		Discrete areas anticipated to be lost, habitats will be reinstated like for like following construction. Low SS applied as per SBM User Guide.		
8	Grassland	Modified grassland	No	31.9872	Low	2	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	191.92	9.9542		59.73	0.00	22.03	132.20		Low SS applied as per SBM User Guide.		
9	Grassland	Modified grassland	No	9.464	Low	2	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	37.86	2.6359	0.4216	10.54	1.69	6.41	25.63		Low SS applied as per SBM User Guide.		
10	Grassland	Modified grassland	No	90.1166	Low	2	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	180.23	67.4976	2.433	135.00	4.87	20.19	40.37		Low SS applied as per SBM User Guide.		
11	Grassland	Other lowland acid grassland	No	0.0016	Medium	4	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required (≥)	0.01	0.0016		0.01	0.00	0.00	0.00		Low SS applied as per SBM User Guide.		
12	Grassland	Other neutral grassland	No	4.9279	Medium	4	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required (≥)	59.13	4.1384		49.66	0.00	0.79	9.47		Low SS applied as per SBM User Guide.		
13	Grassland	Other neutral grassland	No	12.7061	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 (≥)	101.65	4.4177		35.34	0.00	8.29	66.31		Low SS applied as per SBM User Guide.		
14	Grassland	Other neutral grassland	No	6.2505	Medium	4	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required (≥)	25.00	2.844	1.6006	11.38	6.40	1.81	7.22		Low SS applied as per SBM User Guide.		
15	Heathland and shrub	Bramble scrub	No	0.4926	Medium	4	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required (≥)	1.97	0.4404		1.76	0.00	0.05	0.21		Low SS applied as per SBM User Guide.		
16	Heathland and shrub	Hawthorn scrub	No	0.0035	Medium	4	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required (≥)	0.04	0.0035		0.04	0.00	0.00	0.00		Low SS applied as per SBM User Guide.		
17	Heathland and shrub	Hawthorn scrub	No	0.3295	Medium	4	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required (≥)	1.32	0.3295		1.32	0.00	0.00	0.00		Low SS applied as per SBM User Guide.		
18	Heathland and shrub	Mixed scrub	No	2.9433	Medium	4	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required (≥)	35.32	0.777		9.32	0.00	2.17	26.00		Low SS applied as per SBM User Guide.		
19	Heathland and shrub	Mixed scrub	No	0.8639	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 (≥)	6.91	0.2695		2.16	0.00	0.59	4.76		Low SS applied as per SBM User Guide.		
20	Heathland and shrub	Mixed scrub	No	0.0046	Medium	4	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required (≥)	0.02	0.0046		0.02	0.00	0.00	0.00		Low SS applied as per SBM User Guide.		
21	Intertidal hard structures	Artificial hard structures	No	0.0919	Low	2	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	0.37	0.0919		0.37	0.00	0.00	0.00		Low SS applied as per SBM User Guide.		
22	Intertidal sediment	Littoral mud	No	0.4356	High	6	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same habitat required =	5.23	0.4356		5.23	0.00	0.00	0.00		No loss anticipated, all areas to be retained. Low SS applied as per SBM User Guide.		
23	Lakes	Ornamental lake or pond	No	0.0052	Low	2	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	0.03	0.0052		0.03	0.00	0.00	0.00		Low SS applied as per SBM User Guide.		
24	Lakes	Ponds (non-priority habitat)	No	0.0055	Medium	4	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required (≥)	0.07	0.0047		0.06	0.00	0.00	0.01		Low SS applied as per SBM User Guide.		
25	Sparsely vegetated land	Ruderal/Ephemeral	No	0.7155	Low	2	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	4.29	0.3335		1.94	0.00	0.39	2.35		Low SS applied as per SBM User Guide.		
26	Urban	Artificial unvegetated, unsealed surface	No	0.1229	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	0.0433		0.00	0.00	0.08	0.00		Low SS applied as per SBM User Guide.		
27	Urban	Developed land; sealed surface	No	19.7695	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	14.9904		0.00	0.00	4.78	0.00		Low SS applied as per SBM User Guide.		
28	Urban	Open mosaic habitats on previously developed land	No	4.3387	High	6	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same habitat required =	78.10			0.00	0.00	4.34	78.10		Low SS applied as per SBM User Guide. All habitat will be lost for the construction of Water Recycling Plant (WRP).		
29	Watercourse footprint	Watercourse footprint	No	0.2514	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	0.2338		0.00	0.00	0.02	0.00		Low SS applied as per SBM User Guide.		
30	Wetland	Reedbeds	No	0.5382	High	6	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same habitat required =	3.23	0.5382		3.23	0.00	0.00	0.00		No loss anticipated, all areas to be retained. Low SS applied as per SBM User Guide.		
31	Woodland and forest	Lowland mixed deciduous woodland	No	1.0459	High	6	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same habitat required =	18.83	0.7888		14.20	0.00	0.26	4.63		Discrete areas anticipated to be lost, habitats will be reinstated like for like following construction where possible. Low SS applied as per SBM User Guide.		
32	Woodland and forest	Lowland mixed deciduous woodland	No	1.5639	High	6	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same habitat required =	18.77	1.3777		16.53	0.00	0.19	2.23		Discrete areas anticipated to be lost, habitats will be reinstated like for like following construction where possible. Low SS applied as per SBM User Guide.		
33	Woodland and forest	Lowland mixed deciduous woodland	No	0.0863	High	6	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same habitat required =	0.52			0.00	0.00	0.09	0.52		Discrete areas anticipated to be lost, habitats will be reinstated like for like following construction where possible. Low SS applied as per SBM User Guide.		
34	Woodland and forest	Other coniferous woodland	No	0.0279	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	0.0086		0.02	0.00	0.02	0.04		Low SS applied as per SBM User Guide.		
35	Woodland and forest	Other woodland; broadleaved	No	0.4757	Medium	4	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required (≥)	5.71	0.2476		2.97	0.00	0.23	2.74		Low SS applied as per SBM User Guide.		
36	Woodland and forest	Other woodland; broadleaved	No	3.723	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 (≥)	30.18	2.0385	0.9752	16.31	7.80	0.76	6.07		Low SS applied as per SBM User Guide.		
37	Woodland and forest	Other woodland; broadleaved	No	3.3447	Medium	4	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required (≥)	13.38	0.3076	2.9501	1.23	11.80	0.09	0.35		Low SS applied as per SBM User Guide.		
38	Woodland and forest	Other woodland; mixed	No	0.0042	Medium	4	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required (≥)	0.05			0.00	0.00	0.00	0.05		Low SS applied as per SBM User Guide.		
39	Woodland and forest	Other woodland; mixed	No	0.0061	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 (≥)	0.05	0.0061		0.05	0.00	0.00	0.00		Low SS applied as per SBM User Guide.		
40	Woodland and forest	Other woodland; mixed	No	0.2089	Medium	4	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required (≥)	0.84	0.1758		0.70	0.00	0.03	0.13		Low SS applied as per SBM User Guide.		
41	Woodland and forest	Wet woodland	No	0.8566	High	6	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same habitat required =	15.42	0.8566		15.42	0.00	0.00	0.00		No loss anticipated, all areas to be retained. Low SS applied as per SBM User Guide.		
42	Woodland and forest	Wet woodland	No	1.0263	High	6	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same habitat required =	12.32	1.0263		12.32	0.00	0.00	0.00		No loss anticipated, all areas to be retained. Low SS applied as per SBM User Guide.		
43	Woodland and forest	Wood-pasture and parkland	No	2.1664	V.High	8	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same habitat required – bespoke compensation option ⚠	34.66	0.3308		5.29	0.00	1.84	Bespoke compensation must be agreed ▲	Pending	Area is designated as Wood-pasture Parkland (WPP) in Hampshire. All stands of woodland and trees will be avoided by the Project and only grassland habitats in the WPP will be impacted. Therefore bespoke compensation has been discussed with Winchester County Council and agreed in principle to offset impacts with other neutral grassland. Low SS applied as per SBM User Guide.		
44	Individual trees	Rural tree	No	0.192387616	Medium	4	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required (≥)	2.31	0.1109		1.33	0.00	0.08	0.98		Low SS applied as per SBM User Guide.		
45	Individual trees	Rural tree	No	0.268133343	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 (≥)	2.15	0.2445		1.96	0.00	0.02	0.19		Low SS applied as per SBM User Guide.		
46	Individual trees	Rural tree	No	0.032821795	Medium	4	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required (≥)	0.13	0.0212		0.08	0.00	0.01	0.05		Low SS applied as per SBM User Guide.		
47	Individual trees	Rural tree	No	0.003804594	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 (≥)	0.03	0.0039		0.03	0.00	0.00	0.00		Low SS applied as per SBM User Guide.		
48	Individual trees	Rural tree	Yes	0.805245916	Medium	4	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Bespoke compensation likely to be required ▲	0.00	0.805346		Irreplaceable	0.00	0.00	0.00		Low SS applied as per SBM User Guide. Veteran trees to		
49	Individual trees	Urban tree	No	0.068242372	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 (≥)	0.55	0.0678		0.54	0.00	0.00	0.00		Low SS applied as per SBM User Guide.		
50	Individual trees	Urban tree	No	0.048171548	Medium	4	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required (≥)	0.19	0.0377		0.15	0.00	0.01	0.04		Low SS applied as per SBM User Guide.		
51	Individual trees	Urban tree	Yes	0.204282062	Medium	4	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Bespoke compensation likely to be required ▲	0.00	0.2042821		Irreplaceable	0.00	0.00	0.00		Low SS applied as per SBM User Guide. Veteran trees to		
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			Total habitat area	307.09										1142.82	183.66	10.51	559.63	68.16	112.91	495.65			
			Site Area (Excluding area of individual trees, green walls, intertidal hard structures)	305.37																			

Total area lost (excluding area of individual trees, green walls and intertidal hard structures)	112.78

M² to hectares conversion tool:	Select a unit	Hectares	M²

oject Name: Hampshire Water Transfer and Water Recycling Project Map Referenc

A-2 On-Site Habitat Creation

Condense / Show Columns

Condense / Show Rows

Main Menu

Area habitat summary	
Total Net Unit Change	-55.66
Total Net % Change	-4.87%
Trading Rules Satisfied	No - check trading summaries ▲
Area Check	Area Acceptable ✓

Please ensure the watercourse details for any watercourse footprints recorded are included in the watercourse tabs ⚠

Note; Habitat selected has a time to target condition greater than 30 years. Non standard agreement may be

	Post intervention habitats										Comments		
				Distinctiveness	Condition	Strategic significance	Temporal multiplier		Difficulty multiplier				
Ref	Broad Habitat	Proposed habitat	Area (hectares)	Distinctiveness	Condition	Strategic significance	Standard or adjusted time to target condition	Final time to target condition (years)	Final difficulty of creation	Habitat units delivered	User comments	Planning authority comments	Habitat reference number
1	Cropland	Cereal crops	19.8993	Low	Condition Assessment N/A	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	1	Low	38.41	Areas of habitat to be reinstated like for like following completion of construction. As per the Statutory Biodiversity Metric (SBM) User Guide, Strategic Significance (SS) has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire Local Nature Recovery Strategy (LNRS) in this location.		
2	Cropland	Horticulture	1.6287	Low	Condition Assessment N/A	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	1	Low	3.14	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
3	Cropland	Non-cereal crops	0.0482	Low	Condition Assessment N/A	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	1	Low	0.09	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
4	Cropland	Temporary grass and clover leys	4.5584	Low	Condition Assessment N/A	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	1	Low	8.80	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
5	Grassland	Lowland calcareous grassland	0.6195	High	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	20	High	1.80	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
6	Grassland	Lowland calcareous grassland	4.9272	High	Moderate	Formally identified in local strategy	Standard time to target condition applied	10	High	15.71	Habitat to be created as part of Environmental Mitigation and Enhancement Areas (EMEAs) EMEA_E_1 and EMEA_E_2. Post development intervention is included as a measure to restore species-rich grassland at this location within the Hampshire LNRS, therefore High SS applied.		
7	Grassland	Modified grassland	16.7756	Low	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	7	Low	78.44	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
8	Grassland	Modified grassland	6.2408	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	4	Low	21.65	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
9	Grassland	Modified grassland	0.0041	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	4	Low	0.01	Area of habitat to be created as part of Above Ground Plants (AGPs). As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
10	Grassland	Modified grassland	12.6138	Low	Poor	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	1	Low	24.34	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
11	Grassland	Other neutral grassland	0.7894	Medium	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	10	Low	6.63	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
12	Grassland	Other neutral grassland	1.8937	Medium	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	10	Low	15.91	Area of habitat to be created as part of EMEAs and AGP. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
13	Grassland	Other neutral grassland	0.475	Medium	Good	Formally identified in local strategy	Standard time to target condition applied	10	Low	4.59	Habitat to be created as part of EMEA_L_5. Post development intervention is included as a measure to restore species-rich grassland at this location (Mott and Bailey Site of Importance for Nature Conservation and Fielders Farm Site of Importance for Nature Conservation) within the Hampshire LNRS, therefore High SS applied.		
14	Grassland	Other neutral grassland	6.3033	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	42.20	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
15	Grassland	Other neutral grassland	3.1426324	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	21.04	Area of habitat to be created as part of EMEA and AGP. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
16	Grassland	Other neutral grassland	1.3311	Medium	Poor	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	2	Low	4.96	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
17	Heathland and shrub	Bramble scrub	0.0523	Medium	Condition Assessment N/A	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	1	Low	0.20	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
18	Heathland and shrub	Mixed scrub	0.167	Medium	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	10	Low	1.40	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
19	Heathland and shrub	Mixed scrub	0.5943	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	3.98	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
20	Heathland and shrub	Mixed scrub	2.683191466	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	17.96	Area of habitat to be created as part of EMEA and AGP. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
21	Lakes	Ponds (non-priority habitat)	0.0007	Medium	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	0.01	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
22	Sparsely vegetated land	Ruderal/Ephemeral	0.392	Low	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	1.97	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
23	Urban	Artificial unvegetated, unsealed surface	0.0796	V.Low	N/A - Other	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	0	Low	0.00	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
24	Urban	Biodiverse green roof	0.0632	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Medium	0.28	Area of habitat to be created as part of EMEAs and AGPs. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
25	Urban	Developed land; sealed surface	4.6272	V.Low	N/A - Other	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	0	Low	0.00	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
26	Urban	Developed land; sealed surface	5.9326	V.Low	N/A - Other	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	0	Low	0.00	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
27	Urban	Open mosaic habitats on previously developed land	0.6908	High	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	4	Medium	4.82	Area of habitat to be created as part of green/brown roof on the Water Recycling Plant (WRP) site. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
28	Urban	Sustainable drainage system	0.1693	Low	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	3	Medium	0.41	Area of habitat to be created as part of EMEA and AGP. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
29	Watercourse footprint	Watercourse footprint	0.0176	V.low	N/A - Other	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	0	Low	0.00	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
30	Woodland and forest	Lowland mixed deciduous woodland	0.1074	High	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	30+	High	0.20	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
31	Woodland and forest	Lowland mixed deciduous woodland	0.0891	High	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	30+	High	0.17	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		

32	Woodland and forest	Lowland mixed deciduous woodland	0.0209	High	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	30+	High	0.03	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
33	Woodland and forest	Lowland mixed deciduous woodland	1.582550941	High	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	30+	High	2.00	Area of habitat to be created as part of EMEAs and AGP. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
34	Woodland and forest	Lowland mixed deciduous woodland	0.0863	High	Poor	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	10	High	0.12	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
35	Woodland and forest	Other woodland; broadleaved	0.1229	Medium	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	30+	Low	0.47	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
36	Woodland and forest	Other woodland; broadleaved	0.0165	Medium	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	30+	Low	0.06	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
37	Woodland and forest	Other woodland; broadleaved	0.0773	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	15	Low	0.36	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
38	Woodland and forest	Other woodland; broadleaved	0.5681	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	15	Low	2.66	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
39	Woodland and forest	Other woodland; broadleaved	0.0162	Medium	Poor	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	0.05	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
40	Woodland and forest	Other woodland; broadleaved	0.0327	Medium	Poor	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	0.11	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
41	Woodland and forest	Other woodland; mixed	0.0042	Medium	Good	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	30+	Low	0.02	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
42	Woodland and forest	Other woodland; mixed	0.0331	Medium	Poor	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	0.11	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
43	Woodland and forest	Wet woodland	0.1468	High	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	15	Medium	0.69	Area of habitat to be created as part of EMEA_L_7. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
44	Urban	Developed land; sealed surface	1.8355	V.Low	N/A - Other	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	0	Low	0.00	Area of habitat assigned as Wood Pasture Parkland by Winchester County Council. All stands of woodland and trees will be avoided by the Proposed Scheme and only grassland habitats in the WPP will be impacted. Therefore bespoke compensation has been discussed with Winchester City Council and informally agreed to offset impacts with other neutral grassland. As per the SBM User Guide this has been marked as developed land sealed surface in the On-Site tabs. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
45	Individual trees	Rural tree	0.082	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	27	Low	0.25	Area of habitat to be created as part of EMEA and AGP. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
46	Woodland and forest	Lowland mixed deciduous woodland	0.204747715	High	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	30+	High	0.26	Area of habitat to be created as part of EMEA_F_3. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
47	Woodland and forest	Lowland mixed deciduous woodland	0.214140301	High	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	30+	High	0.27	Area of habitat to be created as part of EMEA_G_1. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
48	Woodland and forest	Lowland mixed deciduous woodland	0.35653457	High	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	30+	High	0.45	Area of habitat to be created as part of EMEA_J_1. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
49	Woodland and forest	Lowland mixed deciduous woodland	0.088021271	High	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	30+	High	0.11	Area of habitat to be created as part of EMEA_J_2. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
50	Woodland and forest	Lowland mixed deciduous woodland	0.086736764	High	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	30+	High	0.11	Area of habitat to be created as part of EMEA_J_4. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
51	Woodland and forest	Lowland mixed deciduous woodland	0.056867403	High	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	30+	High	0.07	Area of habitat to be created as part of EMEA_J_5. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
52	Woodland and forest	Lowland mixed deciduous woodland	0.358507965	High	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	30+	High	0.45	Area of habitat to be created as part of EMEA_L_1. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
53	Woodland and forest	Lowland mixed deciduous woodland	0.267796843	High	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	30+	High	0.34	Area of habitat to be created as part of EMEA_L_2. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
54	Woodland and forest	Lowland mixed deciduous woodland	0.132896227	High	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	30+	High	0.17	Area of habitat to be created as part of EMEA_L_3. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
55	Heathland and shrub	Mixed scrub	0.26485764	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	1.77	Area of habitat to be created as part of EMEA_F_3. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
56	Heathland and shrub	Mixed scrub	0.026017435	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	0.17	Area of habitat to be created as part of EMEA_G_1. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
57	Heathland and shrub	Mixed scrub	0.314590641	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	2.11	Area of habitat to be created as part of EMEA_J_1. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
58	Heathland and shrub	Mixed scrub	0.055375856	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	0.37	Area of habitat to be created as part of EMEA_J_2. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
59	Heathland and shrub	Mixed scrub	0.043676916	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	0.29	Area of habitat to be created as part of EMEA_J_4. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
60	Heathland and shrub	Mixed scrub	0.011259486	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	0.08	Area of habitat to be created as part of EMEA_L_2. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
61	Heathland and shrub	Mixed scrub	0.005255299	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	0.04	Area of habitat to be created as part of EMEA_L_3. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
62	Heathland and shrub	Mixed scrub	0.121875261	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	0.82	Area of habitat to be created as part of EMEA_L_7. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
63	Grassland	Other neutral grassland	2.992042853	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	20.03	Area of habitat to be created as part of EMEA_K_2. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
64	Grassland	Other neutral grassland	1.597192889	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	10.69	Area of habitat to be created as part of EMEA_L_4. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
65	Grassland	Other neutral grassland	0.949168139	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	6.35	Area of habitat to be created as part of EMEA_K_4. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
66	Grassland	Other neutral grassland	1.700629156	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	11.39	Area of habitat to be created as part of EMEA_K_8. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
67	Grassland	Other neutral grassland	1.474734563	Medium	Moderate	Area/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	9.87	Area of habitat to be created as part of EMEA_L_6. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
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Total habitat area	112.86	392.30

Site Area (Excluding area of individual trees, green walls, intertidal hard structures)	112.78

M² to hectares conversion tool:	Select a unit	Hectares	M²

e: Hampshire Water Transfer and Water Recycling Project Map

A-3 On-Site Habitat Enhancement

Condense / Show Columns | Condense / Show Rows

Main Menu

Area habitat summary	
Total Net Unit Change	-56.66
Total Net % Change	-14.94%
Trading Rules Satisfied	No - check trading summaries ▲

| | Baseline habitats | | | | | | | | | | Post intervention habitats | | | | | | | | | |

A-3 On-Site Habitat Enhancement

Project Name: Hampshire Water Transfer and Water Recycling Project Map Reference:

D-1 Off-Site Habitat Baseline

Condense / Show Columns | Condense / Show Rows

Main Menu

Area habitat summary	
Total Net Unit Change	-55.66
Total Net % Change	-4.87%
Trading Rules Satisfied	No - check trading summaries ▲

	Existing area habitats				Distinctiveness		Condition		Strategic significance			Required Action to Meet Trading Rules	Spatial risk multiplier	Ecological baseline							Bespoke compensation agreed for losses of VHDH or irreplaceable habitat	Comments			
Ref	Broad habitat	Habitat type	Irreplaceable habitat	Area (hectares)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic significance multiplier		Spatial risk category	Total habitat units	Area retained	Area enhanced	Baseline units retained	Baseline units enhanced	Area lost	Units lost		User comments	Planning authority comments	Habitat reference	Off-site reference
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ct Name: Hampshire Water Transfer and Water Recycling Project Map Refere

D-2 Off-Site Habitat Creation

Condense / Show Columns | Condense / Show Rows | Main Menu

Area habitat summary	
Total Net Unit Change	-55.66
Total Net % Change	-4.87%
Trading Rules Satisfied	No - check trading summaries ▲
Area Check	Area Acceptable ✓

	Post intervention habitats																						Comments				
								Strategic significance			Temporal risk multiplier						Difficulty risk multipliers				Spatial risk multiplier	Habitat units delivered					
Ref	Broad Habitat	Proposed habitat	Area (hectares)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic significance multiplier	Standard time to target condition (years)	Habitat created in advance (years)	Delay in starting habitat creation (years)	Standard or adjusted time to target condition	Final time to target condition (years)	Final time to target multiplier	Standard difficulty of creation	Applied difficulty multiplier	Final difficulty of creation	Difficulty multiplier applied	Spatial risk category		User comments	Planning authority comments	Habitat reference	Off-site reference	Baseline Ref
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Project Name: Hampshire Water Transfer and Water Recycling Project Map Reference

D-3 Off-Site Habitat Enhancement

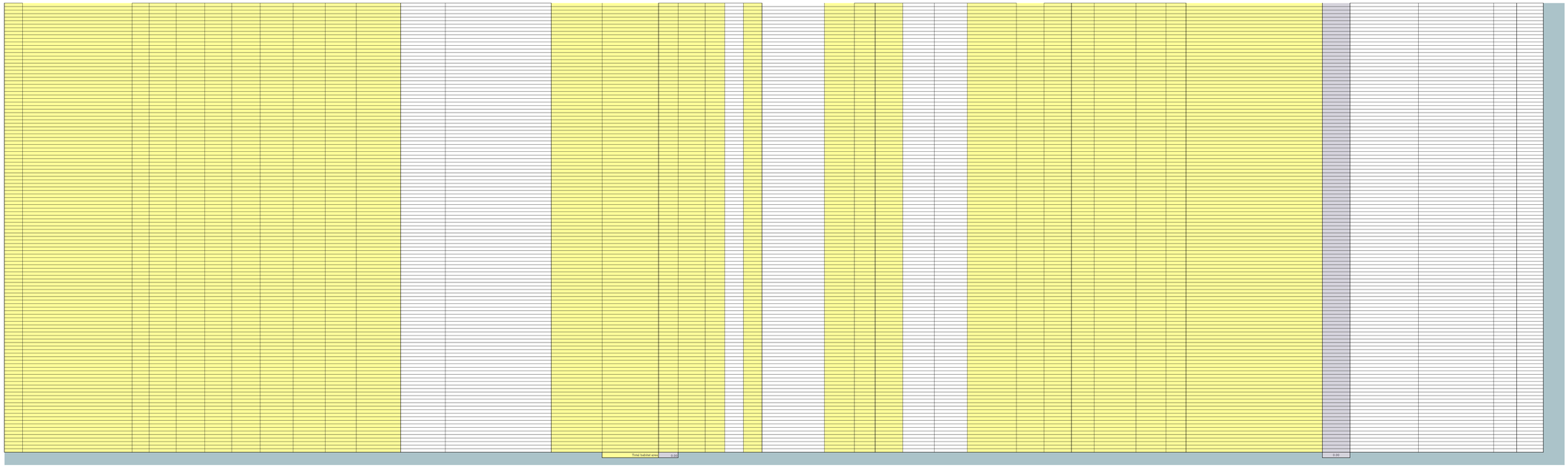
Condense / Show Columns | Condense / Show Rows

Main Menu

Area habitat summary	
Total Net Unit Change	-55.45
Total Net % Change	-4.85%
Trading Rules Satisfied	No - check trading summaries ▲

| | Baseline habitats | | | | | | | | | | | Post intervention habitats | | | | | | | | | | |

0.0 Off-Site Habitat Enhancement



Name: Hampshire Water Transfer and Water Recycling Project Map Ref

B-1 On-Site Hedge Baseline

Condense / Show Columns | Condense / Show Rows

Main Menu

Hedgerow summary	
Total Net Unit Change	-16.36
Total Net % Change	-12.28%
Trading Rules Satisfied	No - check trading summary ▲

	Existing hedgerow habitats			Distinctiveness		Condition		Strategic significance			Required Action to Meet Trading Rules	Ecological baseline						Comments		
Ref	Hedge number	Habitat type	Length (km)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic significance multiplier		Total hedgerow units	Length retained	Length enhanced	Units retained	Units enhanced	Length lost	Units lost	User comments	Planning authority comments	Habitat reference number
1		Ecologically valuable line of trees	0.335	Medium	4	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness band or better	4.02	0.1911		2.29	0.00	0.14	1.73	As per the Statutory Biodiversity Metric (SBM) User Guide, where a Local Nature Recovery Strategy (LNRS)has been published the Strategic Significance (SS)to be scored as low for all baseline habitats. The Hampshire LNRS has been published and therefore this habitat has been scored as low SS.		
2		Ecologically valuable line of trees	0.1791	Medium	4	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness band or better	1.43	0.107		0.86	0.00	0.07	0.58	Low SS applied as per SBM User Guide.		
3		Ecologically valuable line of trees	0.0664	Medium	4	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness band or better	0.27	0.044		0.18	0.00	0.02	0.09	Low SS applied as per SBM User Guide.		
4		Line of trees	0.2241	Low	2	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness band or better	1.34	0.1763		1.06	0.00	0.05	0.29	Low SS applied as per SBM User Guide.		
5		Line of trees	0.4333	Low	2	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness band or better	1.73	0.231	0.0497	0.92	0.20	0.15	0.61	Low SS applied as per SBM User Guide.		
6		Line of trees	0.2783	Low	2	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness band or better	0.56	0.2574		0.51	0.00	0.02	0.04	Low SS applied as per SBM User Guide.		
7		Native hedgerow	1.0941	Low	2	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness band or better	6.56	0.7304		4.38	0.00	0.36	2.18	Low SS applied as per SBM User Guide.		
8		Native hedgerow	2.1059	Low	2	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness band or better	8.42	0.8114	0.3614	3.25	1.45	0.93	3.73	Low SS applied as per SBM User Guide.		
9		Native hedgerow	0.2759	Low	2	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness band or better	0.55	0.2349		0.47	0.00	0.04	0.08	Low SS applied as per SBM User Guide.		
10		Native hedgerow - associated with bank or ditch	0.5056	Medium	4	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness band or better	6.07	0.3838		4.61	0.00	0.12	1.46	Low SS applied as per SBM User Guide.		
11		Native hedgerow - associated with bank or ditch	0.1797	Medium	4	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness band or better	1.44	0.0989		0.79	0.00	0.08	0.65	Low SS applied as per SBM User Guide.		
12		Native hedgerow - associated with bank or ditch	0.333	Medium	4	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness band or better	1.33	0.333		1.33	0.00	0.00	0.00	Low SS applied as per SBM User Guide.		
13		Native hedgerow with trees	0.5471	Medium	4	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness band or better	6.57	0.169		2.03	0.00	0.38	4.54	Low SS applied as per SBM User Guide.		
14		Native hedgerow with trees	0.4309	Medium	4	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness band or better	3.45	0.1988		1.59	0.00	0.23	1.86	Low SS applied as per SBM User Guide.		
15		Native hedgerow with trees	0.0546	Medium	4	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness band or better	0.22	0.0546		0.22	0.00	0.00	0.00	Low SS applied as per SBM User Guide.		
16		Native hedgerow with trees - associated with bank or ditch	0.2003	High	6	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Like for like or better	3.61	0.0908		1.63	0.00	0.11	1.97	Low SS applied as per SBM User Guide.		
17		Native hedgerow with trees - associated with bank or ditch	0.3267	High	6	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Like for like or better	3.92	0.2584		3.10	0.00	0.07	0.82	Low SS applied as per SBM User Guide.		
18		Native hedgerow with trees - associated with bank or ditch	0.074	High	6	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Like for like or better	0.44	0.074		0.44	0.00	0.00	0.00	Low SS applied as per SBM User Guide.		
19		Non-native and ornamental hedgerow	0.2432	V.Low	1	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness band or better	0.24	0.2432		0.24	0.00	0.00	0.00	Low SS applied as per SBM User Guide.		
20		Species-rich native hedgerow	2.0404	Medium	4	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness band or better	24.48	1.3852		16.62	0.00	0.66	7.86	Low SS applied as per SBM User Guide.		
21		Species-rich native hedgerow	0.0499	Medium	4	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness band or better	0.40	0.0298		0.24	0.00	0.02	0.16	Low SS applied as per SBM User Guide.		
22		Species-rich native hedgerow - associated with bank or ditch	0.352	High	6	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Like for like or better	6.34	0.2244		4.04	0.00	0.13	2.30	Low SS applied as per SBM User Guide.		
23		Species-rich native hedgerow with trees	1.6534	High	6	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Like for like or better	29.76	1.055		18.99	0.00	0.60	10.77	Low SS applied as per SBM User Guide.		
24		Species-rich native hedgerow with trees	0.3227	High	6	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Like for like or better	3.87	0.0985		1.18	0.00	0.22	2.69	Low SS applied as per SBM User Guide.		
25		Species-rich native hedgerow with trees - associated with bank or ditch	0.6564	V.High	8	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Like for like	15.75	0.4989		11.97	0.00	0.16	3.78	Low SS applied as per SBM User Guide.		
26		Species-rich native hedgerow with trees - associated with bank or ditch	0.0305	V.High	8	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Like for like	0.49	0.0305		0.49	0.00	0.00	0.00	Low SS applied as per SBM User Guide.		
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Name: Hampshire Water Transfer and Water Recycling Project Map Ref#:

B-2 On-Site Hedge Creation

Condense / Show Columns | Condense / Show Rows

Main Menu

Hedgerow summary	
Total Net Unit Change	-16.36
Total Net % Change	-11.09%
Trading Rules Satisfied	No - check trading summary ▲

Note: Habitat selected has a time to target condition greater than 30 years. Non standard agreement may be required. ⚠

		Proposed habitats		Distinctiveness		Condition		Strategic significance			Temporal multiplier					Difficulty risk multipliers				Hedge units delivered	Comments		
Ref	New hedge number	Habitat type	Length (km)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic significance multiplier	Standard Time to target condition (years)	Habitat created in advance (years)	Delay in starting habitat creation (years)	Standard or adjusted time to target condition	Final time to target condition (years)	Final time to target multiplier	Standard difficulty of creation	Applied difficulty multiplier	Final difficulty of creation	Difficulty multiplier applied		User comments	Planning authority comments	Habitat reference number
1		Native hedgerow	0.3412	Low	2	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	12	0	0	Standard time to target condition applied	12	0.652	Low	Standard difficulty applied	Low	1	1.34	Areas of habitat to be reinstated like for like following completion of construction. As per the Statutory Biodiversity Metric (SBM) User Guide, Strategic Significance (SS) has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire Local Nature Recovery Strategy (LNRS) in this location.		
2		Native hedgerow	0.7404	Low	2	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	5	0	0	Standard time to target condition applied	5	0.837	Low	Standard difficulty applied	Low	1	2.48	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
3		Native hedgerow	0.041	Low	2	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	1	0	0	Standard time to target condition applied	1	0.965	Low	Standard difficulty applied	Low	1	0.08	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
4		Native hedgerow - associated with bank or ditch	0.1218	Medium	4	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	12	0	0	Standard time to target condition applied	12	0.652	Low	Standard difficulty applied	Low	1	0.95	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
5		Native hedgerow - associated with bank or ditch	0.0807	Medium	4	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	5	0	0	Standard time to target condition applied	5	0.837	Low	Standard difficulty applied	Low	1	0.54	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
6		Native hedgerow with trees	0.3781	Medium	4	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	20	0	0	Standard time to target condition applied	20	0.490	Low	Standard difficulty applied	Low	1	2.23	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
7		Native hedgerow with trees	0.2321	Medium	4	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	10	0	0	Standard time to target condition applied	10	0.700	Low	Standard difficulty applied	Low	1	1.30	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
8		Native hedgerow with trees - associated with bank or ditch	0.1095	High	6	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	20	0	0	Standard time to target condition applied	20	0.490	Low	Standard difficulty applied	Low	1	0.97	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
9		Native hedgerow with trees - associated with bank or ditch	0.0402	High	6	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	10	0	0	Standard time to target condition applied	10	0.700	Low	Standard difficulty applied	Low	1	0.34	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
10		Species-rich native hedgerow	0.6552	Medium	4	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	12	0	0	Standard time to target condition applied	12	0.652	Low	Standard difficulty applied	Low	1	5.13	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
11		Species-rich native hedgerow	0.2039	Medium	4	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	5	0	0	Standard time to target condition applied	5	0.837	Low	Standard difficulty applied	Low	1	1.37	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
12		Species-rich native hedgerow - associated with bank or ditch	0.1276	High	6	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	12	0	0	Standard time to target condition applied	12	0.652	Low	Standard difficulty applied	Low	1	1.50	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
13		Species-rich native hedgerow with trees	0.5984	High	6	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	20	0	0	Standard time to target condition applied	20	0.490	Low	Standard difficulty applied	Low	1	5.28	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
14		Species-rich native hedgerow with trees	0.2243	High	6	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	10	0	0	Standard time to target condition applied	10	0.700	Low	Standard difficulty applied	Low	1	1.68	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
15		Species-rich native hedgerow with trees - associated with bank or ditch	0.1576	V.High	8	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	20	0	0	Standard time to target condition applied	20	0.490	Low	Standard difficulty applied	Low	1	1.85	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
16		Ecologically valuable line of trees	0.0554	Medium	4	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	30+	0	0	Standard time to target condition applied	30+	0.320	Low	Standard difficulty applied	Low	1	0.21	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
17		Ecologically valuable line of trees	0.0721	Medium	4	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	20	0	0	Standard time to target condition applied	20	0.490	Low	Standard difficulty applied	Low	1	0.28	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
18		Ecologically valuable line of trees	0.0224	Medium	4	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	5	0	0	Standard time to target condition applied	5	0.837	Low	Standard difficulty applied	Low	1	0.07	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
19		Line of trees	0.0683	Low	2	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	30+	0	0	Standard time to target condition applied	30+	0.320	Low	Standard difficulty applied	Low	1	0.13	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
20		Line of trees	0.1332	Low	2	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	20	0	0	Standard time to target condition applied	20	0.490	Low	Standard difficulty applied	Low	1	0.26	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
21		Line of trees	0.021	Low	2	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	5	0	0	Standard time to target condition applied	5	0.837	Low	Standard difficulty applied	Low	1	0.04	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
22		Native hedgerow	0.0225	Low	2	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	12	0	0	Standard time to target condition applied	12	0.652	Low	Standard difficulty applied	Low	1	0.09	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
23		Native hedgerow with trees - associated with bank or ditch	0.0391	High	6	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	10	0	0	Standard time to target condition applied	10	0.700	Low	Standard difficulty applied	Low	1	0.24	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
24		Species-rich native hedgerow	0.2121	Medium	4	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	5	0	0	Standard time to target condition applied	5	0.837	Low	Standard difficulty applied	Low	1	1.42	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
25		Species-rich native hedgerow with trees	0.1321	High	6	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	10	0	0	Standard time to target condition applied	10	0.700	Low	Standard difficulty applied	Low	1	1.11	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
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Hampshire Water Transfer and Water Recycling Project M

B-3 On-Site Hedge Enhancement

Condense / Show Columns | Condense / Show Rows

Main Menu

Hedgerow summary	
Total Net Unit Change	-16.36
Total Net % Change	-12.28%
Trading Rules Satisfied	No - check trading summary ▲

| | Baseline Habitats | | | | | | | | | | Post intervention habitats | | | | | | | | | |

B3 - On-Site Hedgerow Enhancement

ne: Hampshire Water Transfer and Water Recycling Project Map

E-1 Off-Site Hedge Baseline

Condense / Show Columns | Condense / Show Rows

Main Menu

Hedgerow summary	
Total Net Unit Change	-16.36
Total Net % Change	-12.28%
Trading Rules Satisfied	No - check trading summary ▲

	Existing hedgerow habitats			Distinctiveness		Condition		Strategic significance			Required Action to Meet Trading Rules	Spatial risk multiplier	Ecological baseline							Comments			
Ref	Hedge number	Habitat type	Length (km)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic significance multiplier		Spatial risk category	Total hedgerow units	Length retained	Length enhanced	Units retained	Units enhanced	Length lost	Units lost	User comments	Planning authority comments	Habitat reference	Off-site reference
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ct Name: Hampshire Water Transfer and Water Recycling Project Map Refere

E-2 Off-Site Hedge Creation

Condense / Show Columns Condense / Show Rows

Main Menu

Hedgerow summary	
Total Net Unit Change	-16.36
Total Net % Change	-12.28%
Trading Rules Satisfied	No - check trading summary ▲

		Proposed habitats		Distinctiveness		Condition		Strategic significance			Spatial risk multiplier	Temporal multiplier						Difficulty risk multipliers				Hedge units delivered	Comments				
Ref	New hedge number	Habitat type	Length (km)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic significance multiplier	Spatial risk category	Standard Time to target condition (years)	Habitat created in advance (years)	Delay in starting habitat creation (years)	Standard or adjusted time to target condition	Final time to target condition (years)	Final Time to target multiplier	Standard difficulty of creation	Applied difficulty multiplier	Final difficulty of creation	Difficulty multiplier applied		User comments	Planning authority comments	Habitat reference	Off-site reference	Baseline ref
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Project name, Habitat(s) Trader, Trader and Water Protection Project Ltd, Reference

E-3 Off-Site Hedge Enhancement

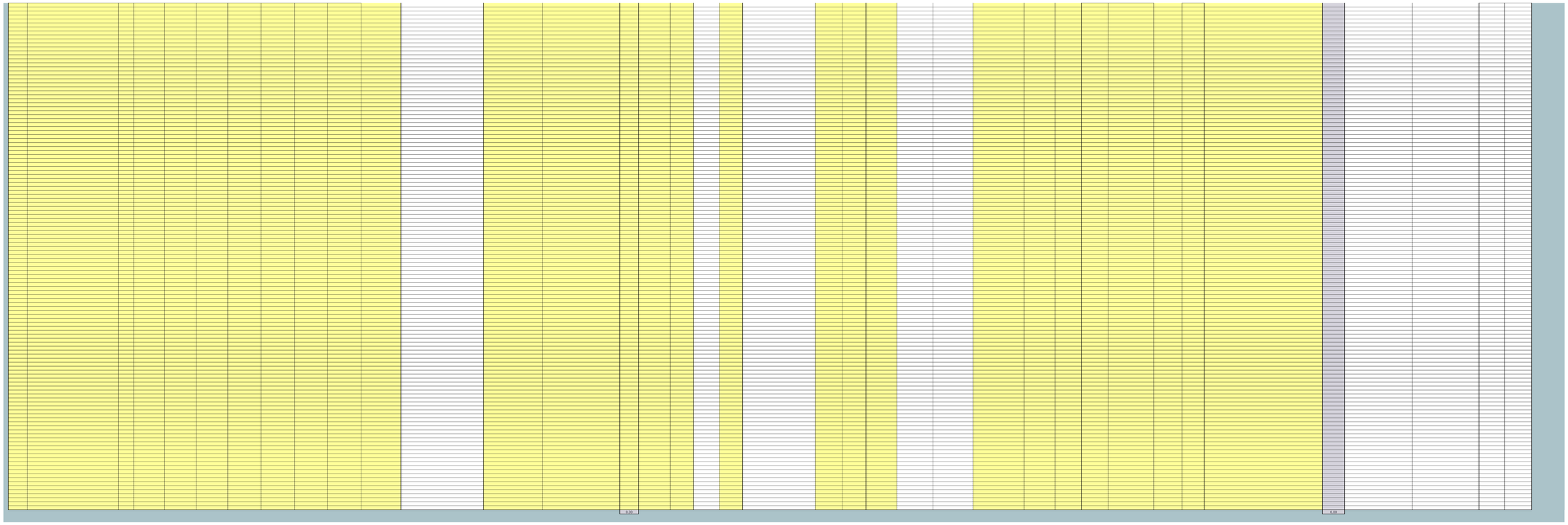
Condense / Show Columns | Condense / Show Rows

Main Menu

Hedgerow summary	
Total Net Unit Change	-16.36
Total Net % Change	-11.20%
Trading Rules Satisfied	No - check trading summary ▲

| | Baseline habitats | | | | | | | | | | Post intervention habitats | | | | | | | | | |

E3 - Off-Site Hedge Enhancement



Project Name: Hampshire Water Transfer and Water

C-1 On-Site WaterC' Baseline

Condense / Show Columns | Condense / Show Rows

Main Menu

Watercourse summary	
Total Net Unit Change	-0.89
Total Net % Change	-2.14%
Trading Rules Satisfied	No - check trading summary ▲

Existing watercourse type			Distinctiveness		Condition		Strategic significance			Watercourse encroachment		Riparian encroachment		Required Action to Meet Trading Rules	Ecological baseline							Bespoke compensation agreed for losses of VHDH	Comments		
Ref	Watercourse type	Length (km)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic significance multiplier	Extent of encroachment	Multiplier	Extent of encroachment for both banks	Multiplier		Total watercourse units	Length retained	Length enhanced	Units retained	Units enhanced	Length Lost	Units Lost		User Comments	Planning authority comments	Habitat reference number
1	Other rivers and streams	0.0078	High	6	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Minor	0.8	Major/Major	0.75	Same habitat required =	0.06	0.0078		0.06	0.00	0.00	0.00		As per the Statutory Biodiversity Metric (SBM) User Guide, where a Local Nature Recovery Strategy (LNRS)has been published the Strategic Significance (SS)to be scored as low for all baseline habitats. The Hampshire LNRS has been published and therefore this habitat has been scored as low SS.		
2	Other rivers and streams	0.3394	High	6	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Minor	0.8	Minor/ Minor	0.95	Same habitat required =	3.10	0.3394		3.10	0.00	0.00	0.00		Low SS applied as per SBM User Guide.		
3	Other rivers and streams	0.1419	High	6	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Minor	0.8	Moderate/ Moderate	0.85	Same habitat required =	1.16	0.1419		1.16	0.00	0.00	0.00		Low SS applied as per SBM User Guide.		
4	Other rivers and streams	0.0856	High	6	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Minor	0.8	No Encroachment/ No Encroachment	1	Same habitat required =	0.82	0.0643		0.62	0.00	0.02	0.20		Low SS applied as per SBM User Guide.		
5	Other rivers and streams	0.0646	High	6	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Minor	0.8	Major/Minor	0.84	Same habitat required =	0.26	0.0646		0.26	0.00	0.00	0.00		Low SS applied as per SBM User Guide.		
6	Other rivers and streams	0.091	High	6	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Minor	0.8	No Encroachment/ No Encroachment	1	Same habitat required =	0.44	0.091		0.44	0.00	0.00	0.00		Low SS applied as per SBM User Guide.		
7	Ditches	0.1374	Medium	4	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Minor	0.8	Major/Major	0.75	Same habitat required =	0.99	0.0307		0.22	0.00	0.11	0.77		Low SS applied as per SBM User Guide.		
8	Ditches	0.0505	Medium	4	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Minor	0.8	Moderate/ Minor	0.9	Same habitat required =	0.44	0.0505		0.44	0.00	0.00	0.00		Low SS applied as per SBM User Guide.		
9	Ditches	0.0828	Medium	4	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Minor	0.8	Moderate/ Moderate	0.85	Same habitat required =	0.68	0.0487		0.40	0.00	0.03	0.28		Low SS applied as per SBM User Guide.		
10	Ditches	0.0744	Medium	4	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Minor	0.8	Moderate/ No Encroachment	0.92	Same habitat required =	0.66	0.0541		0.48	0.00	0.02	0.18		Low SS applied as per SBM User Guide.		
11	Ditches	0.0884	Medium	4	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Minor	0.8	Moderate/ No Encroachment	0.92	Same habitat required =	0.52	0.0806		0.47	0.00	0.01	0.05		Low SS applied as per SBM User Guide.		
12	Ditches	0.0526	Medium	4	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	No Encroachment	1	No Encroachment/ No Encroachment	1	Same habitat required =	0.42	0.0318		0.28	0.00	0.02	0.17		Low SS applied as per SBM User Guide.		
13	Ditches	0.0783	Medium	4	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Minor	0.8	Minor/ Minor	0.95	Same habitat required =	0.24	0.0783		0.24	0.00	0.00	0.00		Low SS applied as per SBM User Guide.		
14	Ditches	0.0837	Medium	4	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Minor	0.8	Minor/ No Encroachment	0.98	Same habitat required =	0.26	0.0837		0.26	0.00	0.00	0.00		Low SS applied as per SBM User Guide.		
15	Ditches	0.2397	Medium	4	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Minor	0.8	Moderate/ Minor	0.9	Same habitat required =	0.69	0.2397		0.69	0.00	0.00	0.00		Low SS applied as per SBM User Guide.		
16	Ditches	0.2731	Medium	4	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Minor	0.8	Moderate/ Moderate	0.85	Same habitat required =	0.74	0.2731		0.74	0.00	0.00	0.00		Low SS applied as per SBM User Guide.		
17	Ditches	0.1017	Medium	4	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Minor	0.8	Moderate/ No Encroachment	0.92	Same habitat required =	0.30	0.1017		0.30	0.00	0.00	0.00		Low SS applied as per SBM User Guide.		
18	Ditches	0.0922	Medium	4	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Minor	0.8	No Encroachment/ No Encroachment	1	Same habitat required =	0.30	0.0922		0.30	0.00	0.00	0.00		Low SS applied as per SBM User Guide.		
19	Ditches	0.0634	Medium	4	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Minor	0.8	Minor/ Minor	0.95	Same habitat required =	0.19	0.0634		0.19	0.00	0.00	0.00		Low SS applied as per SBM User Guide.		
20	Ditches	0.0585	Medium	4	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	No Encroachment	1	No Encroachment/ No Encroachment	1	Same habitat required =	0.23	0.0585		0.23	0.00	0.00	0.00		Low SS applied as per SBM User Guide.		
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Project Name: Hampshire Water Transfer and Water Recycling Project Map Reference:

C-2 On-Site WaterC' Creation

Condense / Show Columns | Condense / Show Rows

Main Menu

Watercourse summary	
Total Net Unit Change	-0.89
Total Net % Change	-7.14%
Trading Rules Satisfied	No - check trading summary ▲

	Proposed habitats		Distinctiveness		Condition		Strategic significance			Temporal multiplier						Difficulty multipliers				Watercourse encroachment		Riparian encroachment			Comments		
Ref	Watercourse type	Length (km)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic significance multiplier	Standard Time to target condition (years)	Habitat created in advance (years)	Delay in starting habitat creation (years)	Standard or adjusted time to target condition	Final time to target condition (years)	Final Time to target multiplier	Standard difficulty of creation	Applied difficulty multiplier	Final difficulty of creation	Difficulty multiplier applied	Extent of encroachment	Multiplier	Extent of encroachment for both banks	Multiplier	Watercourse units delivered	User comments	Planning authority comments	Habitat reference number
1	Other rivers and streams	0.0213	High	6	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	5	0	0	Standard time to target condition applied	5	0.837	High	Standard difficulty applied	High	0.33	Minor	0.8	No Encroachment/ No Encroachment	1	0.06	Areas of habitat to be reinstated like for like following completion of construction. As per the Statutory Biodiversity Metric (SBM) User Guide, Strategic Significance (SS) has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire Local Nature Recovery Strategy (LNRS) in this location.		
2	Ditches	0.1067	Medium	4	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	10	0	0	Standard time to target condition applied	10	0.700	Medium	Standard difficulty applied	Medium	0.67	Minor	0.8	Major/Major	0.75	0.36	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
3	Ditches	0.0341	Medium	4	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	10	0	0	Standard time to target condition applied	10	0.700	Medium	Standard difficulty applied	Medium	0.67	Minor	0.8	Moderate/ Moderate	0.85	0.13	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
4	Ditches	0.0203	Medium	4	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	10	0	0	Standard time to target condition applied	10	0.700	Medium	Standard difficulty applied	Medium	0.67	Minor	0.8	Moderate/ No Encroachment	0.92	0.08	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
5	Ditches	0.0078	Medium	4	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	5	0	0	Standard time to target condition applied	5	0.837	Medium	Standard difficulty applied	Medium	0.67	Minor	0.8	Moderate/ No Encroachment	0.92	0.03	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
6	Ditches	0.0209	Medium	4	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	5	0	0	Standard time to target condition applied	5	0.837	Medium	Standard difficulty applied	Medium	0.67	No Encroachment	1	No Encroachment/ No Encroachment	1	0.09	Areas of habitat to be reinstated like for like following completion of construction. As per the SBM User Guide, SS has been marked as Low as the post development intervention does not meet any proposed measures within the Hampshire LNRS in this location.		
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Doc: Hampshire Water Transfer and Water Recycling Project Map

C-3 On-Site WaterC' Enhancement

Condense / Show Columns | Condense / Show Rows

Main Menu

Watercourse summary	
Total Net Unit Change	-0.88
Total Net % Change	-2.14%
Trading Rules Satisfied	No - check trading summary ▲

| Baseline habitats | | | | | | | | | | | | | Post intervention habitats | | | | | | | | | | | | |

C-3 On-Site WaterQ Enhancement

Project Name: Hampshire Water Transfer and Water Recycling Project - Main Reference

F-1 Off-Site WaterC' Baseline

Condense / Show Columns | Condense / Show Rows

Main Menu

Watercourse summary	
Total Net Unit Change	-0.89
Total Net % Change	-7.14%
Trading Rules Satisfied	No - check trading summary ▲

Existing watercourse type			Distinctiveness		Condition		Strategic significance			Watercourse encroachment		Riparian encroachment		Required Action to Meet Trading Rules	Spatial risk multiplier	Ecological baseline						Bespoke compensation agreed for losses of VHDH	Comments			
Ref	Watercourse type	Length (km)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic significance multiplier	Extent of encroachment	Multiplier	Extent of encroachment for both banks	Multiplier		Spatial risk category	Total watercourse units	Length retained	Length enhanced	Units retained	Units enhanced	Length lost	Units lost		User comments	Planning authority comments	Habitat reference	Off-site reference
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Project Name: Hampshire Water Transfer and Water Recycling Project – Map Reference:

F-2 Off-Site WaterC' Creation

Condense / Show Columns | Condense / Show Rows

Main Menu

Watercourse summary	
Total Net Unit Change	-0.89
Total Net % Change	-7.14%
Trading Rules Satisfied	No - check trading summary ▲

	Proposed habitats		Distinctiveness		Condition		Strategic significance			Temporal multiplier						Difficulty multipliers				Watercourse encroachment		Riparian encroachment		Spatial risk multiplier		Comments				
Ref	Watercourse type	Length (km)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic significance multiplier	Standard Time to target condition (years)	Habitat created in advance (years)	Delay in starting habitat creation (years)	Standard or adjusted time to target condition	Final time to target condition/years	Final time to target Multiplier	Standard difficulty of creation	Applied difficulty multiplier	Final difficulty of creation	Difficulty multiplier applied	Extent of encroachment	Multiplier	Extent of encroachment for both banks	Multiplier	Spatial risk category	Watercourse units delivered	User comments	Planning authority comments	Habitat reference number	Off-site reference	Baseline ref
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F-3 Off-Site WaterC Enhancement

Project Name: Hampshire Water Strategy and Water Resources Management - Data Submission

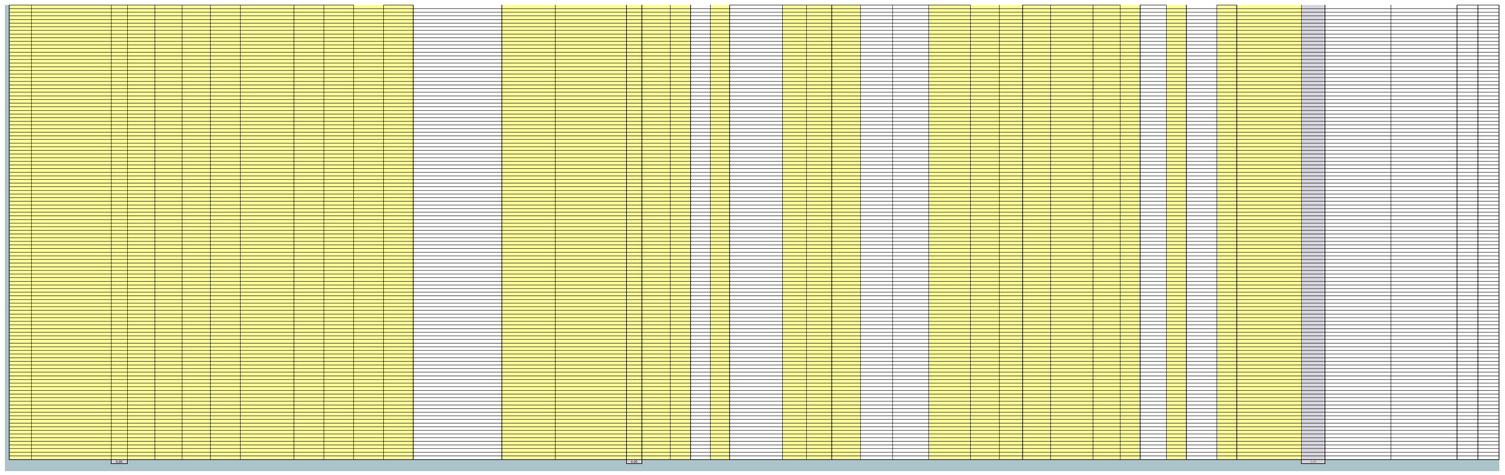
F-3 Off-Site WaterC Enhancement

Conditions Sheet Complete | Conditions Sheet Error

Main Menu

Worksheet statistics	
Total Rows Not Changed	0
Total Rows % Changed	
Conditions Sheet Errors	0 - check for conditions sheet ▲

Scheme Id	Scheme Initial	Length (km)	Scheme Conveyance Band	Scheme Conveyance Area	Scheme Category	Scheme Condition Score	Scheme strategic significance category	Strategic significance	Scheme Strategic Significance Score	Required Action Based on Scheme Score	Scheme Initial value	Proposed Initial	Change in Gatherinwater and condition			Initial Gatherinwater		Initial condition		Strategic significance			Temporal multiplier					Difficulty multipliers				Watercycle enrichment		Species enrichment		Spatial risk multiplier		Enhancement value indicator	Comments			
													Gatherinwater increment	Condition increment	Length (km)	Gatherinwater	Score	Condition	Score	Strategic significance	Strategic significance	Strategic significance multiplier	Standard Time to Target Condition (years)	Initial enhancement to achieve (years)	Delay to starting enhancement (years)	Standard or adjusted time to target condition	Final time to achieve enhancement	Final Time to Target multiplier	Standard difficulty of enhancement	Applied difficulty multiplier	Final difficulty of enhancement	Difficulty multiplier applied	Extent of watercycle enhancement	Multiplier	Extent of species enhancement for both banks	Multiplier	Spatial risk category		User comments	Planning authority comments	Habitat reference	GB-site reference



	Target	Baseline Units	Required Units	Unit Deficit
Area habitats	10.00%	1142.82	1257.10	169.94 ▲
Hedgerows	10.00%	133.27	146.60	29.69 ▲
Watercourses	10.00%	12.48	13.73	2.14 ▲

Tier	Unit Shortfall by Tier	Credits Required
A1	94.04	188.09 ▲
A2	73.28	146.56 ▲
A3	0.00	0.00
A4	2.62	5.24 ▲
A5	0.00	0.00
H	29.69	59.38 ▲
W	2.14	4.28 ▲

HIGH

Tier	Habitat	Habitat Group	Unit Change	Losses in Tier
A5	Lakes - High alkalinity lakes	Lakes	0.00	0.00
	Lakes - Low alkalinity lakes	Lakes	0.00	
	Lakes - Marl lakes	Lakes	0.00	
	Lakes - Moderate alkalinity lakes	Lakes	0.00	
	Lakes - Peat lakes	Lakes	0.00	
A4	Grassland - Floodplain wetland mosaic and CFGM	Grassland	12.40	-2.62
	Lakes - Ponds (priority habitat)	Lakes	0.00	
	Lakes - Temporary lakes ponds and pools (H3170)	Lakes	0.00	
	Sparsely vegetated land - Coastal sand dunes	Sparsely vegetated land	0.00	
	Sparsely vegetated land - Coastal vegetated shingle	Sparsely vegetated land	0.00	
	Sparsely vegetated land - Inland rock outcrop and scree habitats	Sparsely vegetated land	0.00	
	Sparsely vegetated land - Maritime cliff and slopes	Sparsely vegetated land	0.00	
	Woodland and forest - Lowland mixed deciduous woodland	Woodland and forest	-2.62	
	Woodland and forest - Native pine woodlands	Woodland and forest	0.00	
	Woodland and forest - Upland mixed ashwoods	Woodland and forest	0.00	
	Woodland and forest - Lowland beech and yew woodland	Woodland and forest	0.00	
	Woodland and forest - Upland oakwood	Woodland and forest	0.00	
	Coastal lagoons - Coastal lagoons	Coastal lagoons	0.00	
	Rocky shore - High energy littoral rock	Rocky shore	0.00	
	Rocky shore - Moderate energy littoral rock	Rocky shore	0.00	
	Rocky shore - Low energy littoral rock	Rocky shore	0.00	
	Rocky shore - Features of littoral rock	Rocky shore	0.00	
	Intertidal sediment - Littoral seagrass	Intertidal sediment	0.00	
	Coastal saltmarsh - Saltmarshes and saline reedbeds	Coastal saltmarsh	0.00	
A3	Woodland and forest - Felled./Replacement for felled woodland	Woodland and forest	0.00	0.00
	Woodland and forest - Upland birchwoods	Woodland and forest	0.00	
	Woodland and forest - Wet woodland	Woodland and forest	0.69	
	Intertidal sediment - Littoral mud	Intertidal sediment	0.00	
	Intertidal sediment - Littoral mixed sediments	Intertidal sediment	0.00	
	Intertidal sediment - Littoral biogenic reefs - Mussels	Intertidal sediment	0.00	
	Intertidal sediment - Littoral biogenic reefs - Sabellaria	Intertidal sediment	0.00	
	Intertidal sediment - Features of littoral sediment	Intertidal sediment	0.00	
	Intertidal sediment - Littoral muddy sand	Intertidal sediment	0.00	
A2	Grassland - Lowland calcareous grassland	Grassland	6.37	-73.28
	Grassland - Tall herb communities (H6430)	Grassland	0.00	
	Grassland - Upland calcareous grassland	Grassland	0.00	
	Heathland and shrub - Lowland Heathland	Heathland and shrub	0.00	
	Heathland and shrub - Dunes with sea buckthorn (H2160)	Heathland and shrub	0.00	
	Heathland and shrub - Upland heathland	Heathland and shrub	0.00	
	Urban - Open mosaic habitats on previously developed land	Urban	-73.28	
A1	Grassland - Traditional orchards	Grassland	0.00	0.00
	Wetland - Reedbeds	Wetland	0.00	

Rule 1	Higher surplus is used to offset loss of medium distinctiveness of the same broad habitat category.
Rule 2	Remaining higher surplus is used to offset the loss of the most expensive medium credit tier of A4
Rule 3	Remaining higher surplus is used to offset the loss of the second most expensive medium credit tier of A2
Rule 4	Remaining higher surplus is used to offset the loss of the third most expensive medium credit tier A1
Rule 5	Remaining higher surplus is used to offset losses from low distinctiveness habitats

		Very High + High Distinctiveness Surplus Availability		Medium Distinctiveness Losses		Rule 1	Rule 2	Rule 3	Rule 4		Final Losses in Tier
		Habitat Group	Unit Gain Available in Broad Habitat Group	Habitat Group	Losses Requiring Offset	Remaining Available After Rule 1	Remaining Available After Rule 2	Remaining Available After Rule 3	Remaining Available After Rule 4		
MEDIUM	A1	Cropland	0.00	Cropland	-0.78	-0.78	-3.55	-3.55	15.90	A1	0.00
		Grassland	18.76	Grassland	0.00	18.76					
		Heathland and shrub	0.00	Heathland and shrub	-1.77	-1.77					
		Urban	0.00	Urban	0.00	0.00					
		Individual trees	0.00	Individual trees	-1.01	-1.01					
	A2	Woodland and forest	0.69	Woodland and forest	0.00	0.69	0.00	19.45	0.00	A2	0.00
		Intertidal sediment	0.00	Intertidal sediment	0.00	0.00					
	A4	Lakes	0.00	Lakes	0.00	0.00	19.45	0.00	0.00	A4	0.00
		Sparsely vegetated land	0.00	Sparsely vegetated land	0.00	0.00					
		Wetland	0.00	Wetland	0.00	0.00					
					Total Remaining Units Available	19.45	19.45	19.45	15.90		

		Net Unit Change for Low Distinctiveness Habitats	Total Unit Change for Low Distinctiveness Habitats Following Offset from Higher Distinctiveness Habitats	Units Remaining Available After Rule 5	Final Losses in Tier
LOW	A1	-102.97	4.34	20.24	0.00

Hedgerows		Losses	Final Losses
H	VHD Losses Not Offset	-1.93	-16.36
	HD Losses Not Offset	-7.23	
	MD Losses Not Offset	-5.42	
	LD Losses Not Offset	-1.79	
	VLD Losses Not Offset	0.00	

Watercourses		Losses	Final Losses
W	VHD Losses Not Offset	0.00	-0.89
	HD Losses Not Offset	-0.15	
	MD Losses Not Offset	-0.74	
	LD Losses Not Offset	0.00	

Return to start

All Habitats Based on UKHab

Labelling column	Definitive UKHAB / EUNIS/ NE Code	Level 1	Level 2 code	Level 2 Label	Level 3 code	Level 3 Label	Level 4 code	Level 4 Label	Distinctiveness Category	Distinctiveness Score	Trading Rules	Technical Difficulty Creation	Multiplier	Technical Difficulty Enhancement	Multiplier	Basic Description	Condition Assessment Notes	Irreplaceable
Cropland – Arable field margins cultivated annually	c1a7	Terrestrial	c	Cropland	c1	Arable and horticulture	c1a	Arable field margins	Medium	4	Same broad habitat or a higher distinctiveness habitat required (2)	Low	1	Low	1			No
Cropland – Arable field margins game bird mix	c1a8	Terrestrial	c	Cropland	c1	Arable and horticulture	c1a	Arable field margins	Medium	4	Same broad habitat or a higher distinctiveness habitat required (2)	Low	1	Low	1			No
Cropland – Arable field margins pollen and nectar	c1a6	Terrestrial	c	Cropland	c1	Arable and horticulture	c1a	Arable field margins	Medium	4	Same broad habitat or a higher distinctiveness habitat required (2)	Low	1	Low	1			No
Cropland – Arable field margins tussocky	c1a5	Terrestrial	c	Cropland	c1	Arable and horticulture	c1a	Arable field margins	Medium	4	Same broad habitat or a higher distinctiveness habitat required (2)	Low	1	Low	1			No
Cropland – Cereal crops	c1c	Terrestrial	c	Cropland	c1	Arable and horticulture	c1c	Cereal crops	Low	2	Same distinctiveness or better habitat required ?	Low	1	Low	1			No
Cropland – Winter stubble	c1c5	Terrestrial	c	Cropland	c1	Arable and horticulture	c1c	Cereal crops	Low	2	Same distinctiveness or better habitat required ?	Low	1	Low	1			No
Cropland – Horticulture	c1f	Terrestrial	c	Cropland	c1	Arable and horticulture	c1f	Horticulture	Low	2	Same distinctiveness or better habitat required ?	Low	1	Low	1			No
Cropland – Intensive orchards	c1e	Terrestrial	c	Cropland	c1	Arable and horticulture	c1e	Intensive orchards	Low	2	Same distinctiveness or better habitat required ?	Low	1	Low	1			No
Cropland – Non-cereal crops	c1d	Terrestrial	c	Cropland	c1	Arable and horticulture	c1d	Non-cereal crops	Low	2	Same distinctiveness or better habitat required ?	Low	1	Low	1			No
Cropland – Temporary grass and clover leys	c1b	Terrestrial	c	Cropland	c1	Arable and horticulture	c1b	Temporary grass and clover leys	Low	2	Same distinctiveness or better habitat required ?	Low	1	Low	1			No
Grassland – Traditional orchards	27	Terrestrial	Various						High	6	Same habitat required =	Low	1	Medium	0.67			No
Grassland – Bracken	g1c	Terrestrial	g	Grassland	g1	Acid grassland	g1c	Bracken	Low	2	Same distinctiveness or better habitat required ?	Low	1	Low	1			No
Grassland – Floodplain wetland mosaic and CFGM	19	Terrestrial	Various						High	6	Same habitat required =	High	0.33	Medium	0.67			No
Grassland – Lowland calcareous grassland	g2a	Terrestrial	g	Grassland	g2	Calcareous grassland	g2a	Lowland calcareous grassland	High	6	Same habitat required =	High	0.33	High	0.33			No
Grassland – Lowland dry acid grassland	g1a	Terrestrial	g	Grassland	g1	Acid grassland	g1a	Lowland dry acid grassland	V.High	8	Same habitat required – bespoke compensation option ⚠	High	0.33	High	0.33			No
Grassland – Lowland meadows	g3a	Terrestrial	g	Grassland	g3	Neutral grassland	g3a	Lowland meadows	V.High	8	Same habitat required – bespoke compensation option ⚠	High	0.33	Medium	0.67			No
Grassland – Modified grassland	g4	Terrestrial	g	Grassland	g4	Modified grassland	Carried forward	Modified grassland	Low	2	Same distinctiveness or better habitat required ?	Low	1	Low	1			No
Grassland – Other lowland acid grassland	g1d	Terrestrial	g	Grassland	g1	Acid grassland	g1d	Other lowland acid grassland	Medium	4	Same broad habitat or a higher distinctiveness habitat required (?)	Low	1	Low	1			No
Grassland – Other neutral grassland	g3c	Terrestrial	g	Grassland	g3	Neutral grassland	g3c	Other neutral grassland	Medium	4	Same broad habitat or a higher distinctiveness habitat required (2)	Low	1	Low	1			No
Grassland – Tall herb communities (H8430)	s1a9	Terrestrial	s	Sparsely vegetated land	s1	Inland rock	s1a	Inland rock outcrop and scree habitats	High	6	Same habitat required =	High	0.33	High	0.33			No
Grassland – Upland acid grassland	g1b	Terrestrial	g	Grassland	g1	Acid grassland	g1b	Upland acid grassland	Medium	4	Same broad habitat or a higher distinctiveness habitat required (2)	Low	1	Low	1			No
Grassland – Upland calcareous grassland	g2b	Terrestrial	g	Grassland	g2	Calcareous grassland	g2b	Upland calcareous grassland	High	6	Same habitat required =	High	0.33	High	0.33			No
Grassland – Upland hay meadows	g3b	Terrestrial	g	Grassland	g3	Neutral grassland	g3b	Upland hay meadows	V.High	8	Same habitat required – bespoke compensation option ⚠	High	0.33	Medium	0.67			No
Heathland and shrub – Blackthorn scrub	h3a	Terrestrial	h	Heathland and shrub	h3	Dense scrub	h3a	Blackthorn scrub	Medium	4	Same broad habitat or a higher distinctiveness habitat required (2)	Low	1	Low	1			No
Heathland and shrub – Bramble scrub	h3d	Terrestrial	h	Heathland and shrub	h3	Dense scrub	h3d	Bramble scrub	Medium	4	Same broad habitat or a higher distinctiveness habitat required (2)	Low	1	Low	1			No
Heathland and shrub – Gorse scrub	h3e	Terrestrial	h	Heathland and shrub	h3	Dense scrub	h3e	Gorse scrub	Medium	4	Same broad habitat or a higher distinctiveness habitat required (2)	Low	1	Low	1			No
Heathland and shrub – Hawthorn scrub	h3f	Terrestrial	h	Heathland and shrub	h3	Dense scrub	h3f	Hawthorn scrub	Medium	4	Same broad habitat or a higher distinctiveness habitat required (2)	Low	1	Low	1			No
Heathland and shrub – Hazel scrub	h3b	Terrestrial	h	Heathland and shrub	h3	Dense scrub	h3b	Hazel scrub	Medium	4	Same broad habitat or a higher distinctiveness habitat required (2)	Medium	0.67	Low	1			No
Heathland and shrub – Lowland heathland	h1a	Terrestrial	h	Heathland and shrub	h1	Dwarf shrub heath	h1a	Lowland heathland	High	6	Same habitat required =	High	0.33	Medium	0.67			No
Heathland and shrub – Mixed scrub	h3h	Terrestrial	h	Heathland and shrub	h3	Dense scrub	h3h	Mixed scrub	Medium	4	Same broad habitat or a higher distinctiveness habitat required (2)	Low	1	Low	1			No
Heathland and shrub – Mountain heaths and willow scrub	h1c	Terrestrial	h	Heathland and shrub	h1	Dwarf shrub heath	h1c	Mountain heaths and willow scrub	V.High	8	Same habitat required – bespoke compensation option ⚠	High	0.33	High	0.33			No
Heathland and shrub – Rhododendron scrub	h3g	Terrestrial	h	Heathland and shrub	h3	Dense scrub	h3g	Rhododendron scrub	Low	2	Same distinctiveness or better habitat required ?	Low	1	Low	1			No
Heathland and shrub – Dunes with sea buckthorn (H2160)	h3c6	Terrestrial	h	Heathland and shrub	h3	Dense scrub	h3c	Sea buckthorn scrub	High	6	Same habitat required =	Medium	0.67	Low	1			No
Heathland and shrub – Other sea buckthorn scrub	h3c6	Terrestrial	h	Heathland and shrub	h3	Dense scrub	h3c	Sea buckthorn scrub	Low	2	Same distinctiveness or better habitat required ?	Low	1	Low	1			No
Heathland and shrub – Willow scrub	h3i	Terrestrial	h	Heathland and shrub	h3	Dense scrub	h3i	Willow scrub	Medium	4	Same broad habitat or a higher distinctiveness habitat required (2)	Medium	0.67	Low	1			No
Heathland and shrub – Upland heathland	h1b	Terrestrial	h	Heathland and shrub	h1	Dwarf shrub heath	h1b	Upland heathland	High	6	Same habitat required =	Medium	0.67	Medium	0.67			No
Lakes – Aquifer fed naturally fluctuating water bodies	r1d	Freshwater	r	Rivers and lakes	r1	Standing open water and canals	r1d	Aquifer fed naturally fluctuating water bodies	V.High	8	Same habitat required – bespoke compensation option ⚠	Very High	0.1	High	0.33			No
Lakes – Ornamental lake or pond	46	Freshwater	r	Rivers and lakes	r1	Standing open water and canals			Low	2	Same distinctiveness or better habitat required ?	Low	1	High	0.33			No
Lakes – High alkalinity lakes	Water Framework Directive	Freshwater							High	6	Same habitat required =	High	0.33	High	0.33			No
Lakes – Low alkalinity lakes	Water Framework Directive	Freshwater							High	6	Same habitat required =	High	0.33	Medium	0.67			No
Lakes – Marl lakes	Water Framework Directive	Freshwater							High	6	Same habitat required =	High	0.33	High	0.33			No
Lakes – Moderate alkalinity lakes	Water Framework Directive	Freshwater							High	6	Same habitat required =	High	0.33	High	0.33			No
Lakes – Peat lakes	Water Framework Directive	Freshwater							High	6	Same habitat required =	High	0.33	High	0.33			No
Lakes – Ponds (priority habitat)	45	Freshwater	r	Rivers and lakes	r1	Standing open water and canals			High	6	Same habitat required =	Medium	0.67	Medium	0.67			No
Lakes – Ponds (non-priority habitat)	41	Freshwater	r	Rivers and lakes	r1	Standing open water and canals			Medium	4	Same broad habitat or a higher distinctiveness habitat required (2)	Low	1	Medium	0.67			No
Lakes – Reservoirs	45	Freshwater	r	Rivers and lakes	r1	Standing open water and canals			Medium	4	Same broad habitat or a higher distinctiveness habitat required (2)	Medium	0.67	Medium	0.67			No
Lakes – Temporary lakes ponds and pools (H3170)	r1f5	Freshwater	r	Rivers and lakes	r1	Standing open water and canals	r1f	Temporary water bodies	High	6	Same habitat required =	Medium	0.67	Medium	0.67			No
Sparsely vegetated land – Calaminarian grasslands	s1c	Terrestrial	s	Sparsely vegetated land	s1	Inland rock	s1c	Calaminarian grasslands	V.High	8	Same habitat required – bespoke compensation option ⚠	Very High	0.1	Medium	0.67			No
Sparsely vegetated land – Coastal sand dunes	s2a	Terrestrial	s	Sparsely vegetated land	s2	Supralittoral sediment	s2a	Sand dunes	High	6	Same habitat required =	Very High	0.1	Medium	0.67			Yes
Sparsely vegetated land – Coastal vegetated shingle	s3b	Terrestrial	s	Sparsely vegetated land	s3	Supralittoral sediment	s3b	Coastal vegetated shingle	High	6	Same habitat required =	Very High	0.1	Medium	0.67			No
Sparsely vegetated land – Ruderal/Ephemeral	81	Terrestrial	Various						Low	2	Same distinctiveness or better habitat required ?	Low	1	Medium	0.67			No
Sparsely vegetated land – Tall forbs	16	Terrestrial	g	Grassland					Low	2	Same distinctiveness or better habitat required ?	Low	1	Medium	0.67			No
Sparsely vegetated land – Inland rock outcrop and scree habitats	s1a	Terrestrial	s	Sparsely vegetated land	s1	Inland rock	s1a	Inland rock outcrop and scree habitats	High	6	Same habitat required =	High	0.33	Low	1			No
Sparsely vegetated land – Limestone pavement	s1b	Terrestrial	s	Sparsely vegetated land	s1	Inland rock	s1b	Limestone pavement	V.High	8	Same habitat required – bespoke compensation option ⚠	Very High	0.1	Medium	0.67			Yes
Sparsely vegetated land – Maritime cliff and slopes	s2a	Terrestrial	s	Sparsely vegetated land	s2	Supralittoral rock	s2a	Maritime cliff and slopes	High	6	Same habitat required =	High	0.33	Medium	0.67			No
Sparsely vegetated land – Other inland rock and scree	s1d	Terrestrial	s	Sparsely vegetated land	s1	Inland rock	s1d	Other inland rock and scree	Medium	4	Same broad habitat or a higher distinctiveness habitat required (2)	Medium	0.67	Medium	0.67			No
Urban – Allotments	u1b	Terrestrial	c	Cropland					Low	2	Same distinctiveness or better habitat required ?	Low	1	Low	1			No
Urban – Artificial unvegetated, unsealed surface	u1c	Terrestrial	u	Urban	u1	Built-up areas and gardens	u1c	Artificial unvegetated, unsealed surface	V.Low	0	Compensation Not Required	Low	1	Low	1			No
Urban – Bioswale	849	Terrestrial	Various						Low	2	Same distinctiveness or better habitat required ?	Medium	0.67	Low	1			No
Urban – Intensive green roof	88	Terrestrial	u	Urban	u1	Built-up areas and gardens	u1b	Developed land; sealed surface	Low	2	Same distinctiveness or better habitat required ?	Low	1	Low	1			No
Urban – Built linear features	u1e	Terrestrial	u	Urban	u1	Built-up areas and gardens	u1e	Built linear features	V.Low	0	Compensation Not Required	Low	1	Low	1			No
Urban – Cemeteries and churchyards	90	Terrestrial	Various						Medium	4	Same broad habitat or a higher distinctiveness habitat required (?)	Medium	0.67	Low	1			No
Urban – Developed land; sealed surface	u1b	Terrestrial	u	Urban	u1	Built-up areas and gardens	u1b	Developed land; sealed surface	V.Low	0	Compensation Not Required	Low	1	Low	1			No
Urban – Other green roof	89	Terrestrial	u	Urban	u1	Built-up areas and gardens	u1b	Developed land; sealed surface	Low	2	Same distinctiveness or better habitat required ?	Low	1	Low	1			No
Urban – Facade-bound green wall	843	Terrestrial	u	Urban	u1	Built-up areas and gardens	u1b	Developed land; sealed surface	Low	2	Same distinctiveness or better habitat required ?	Medium	0.67	Medium	0.67			No
Urban – Ground based green wall	842	Terrestrial	u	Urban	u1	Built-up areas and gardens	u1b	Developed land; sealed surface	Low	2	Same distinctiveness or better habitat required ?	Medium	0.67	Medium	0.67			No
Urban – Ground level planter	845	Terrestrial	u	Urban	u1	Built-up areas and gardens			Low	2	Same distinctiveness or better habitat required ?	Low	1	Low	1			No
Urban – Biodiverse green roof	87	Terrestrial	u	Urban	u1	Built-up areas and gardens	u1b	Developed land; sealed surface	Medium	4	Same broad habitat or a higher distinctiveness habitat required (2)	Medium	0.67	Medium	0.67			No
Urban – Introduced shrub	847	Terrestrial	u	Urban	u1	Built-up areas and gardens			Low	2	Same distinctiveness or better habitat required ?	Low	1	Low	1			No
Urban – Open mosaic habitats on previously developed land	852	Terrestrial	Various						High	6	Same habitat required =	Medium	0.67	Medium	0.67			No
Urban – Rain garden	850	Terrestrial	Various						Low	2	Same distinctiveness or better habitat required ?	Low	1	Low	1			No
Urban – Actively worked sand pit quarry or open cast mine	88	Terrestrial	Various						Low	2	Same distinctiveness or better habitat required ?	Medium	0.67	Low	1			No
Urban – Sustainable drainage system	848	Terrestrial	Various						Low	2	Same distinctiveness or better habitat required ?	Medium	0.67	Medium	0.67			No
Urban – Unvegetated garden	829	Terrestrial	u	Urban	u1	Built-up areas and gardens	u1b	Developed land; sealed surface	V.Low	0	Compensation Not Required	Low	1	Low	1			No
Urban – Vacant or derelict land	83	Terrestrial	Various						Low	2	Same distinctiveness or better habitat required ?	Low	1	Low	1	Justify why not Open Mosaic		No
Urban – Bare ground	810	Terrestrial	Various						Low	2	Same distinctiveness or better habitat required ?	Low	1	Low	1	Justify why not Open Mosaic		No
Urban – Vegetated garden	828	Terrestrial	Various						Low	2	Same distinctiveness or better habitat required ?	Low	1	Low	1			No
Individual trees – Urban tree	NE0014	Terrestrial							Medium	4	Same broad habitat or a higher distinctiveness habitat required (2)	Low	1	Low	1			Yes/No
Individual trees – Rural tree	NE0016	Terrestrial							Medium	4	Same broad habitat or a higher distinctiveness habitat required (2)	Low	1	Low	1			Yes/No
Wetland – Blanket bog	f1a	Terrestrial	f	Wetland	f1	Bog	f1a	Blanket bog	V.High	8	Same habitat required – bespoke compensation option ⚠	Very High	0.1	High	0.33			Yes
Wetland – Depressions on peat substrates (H7150)	56	Terrestrial	Various						V.High	8	Same habitat required – bespoke compensation option ⚠	Very High	0.1	High	0.33			No
Wetland – Fens (upland and lowland)	f2a/f2b/f2f	Terrestrial	f	Wetland	f2	Fen marsh and swamp	Various	Lowland fens/Upland flushes, fens and swamps/Other wetlands	V.High	8	Same habitat required – bespoke compensation option ⚠	High	0.33	High	0.33			Yes/No
Wetland – Lowland raised bog	f1b	Terrestrial	f	Wetland	f1	Bog	f1b	Lowland raised bog	V.High	8	Same habitat required – bespoke compensation option ⚠	Very High	0.1	High	0.33			Yes/No
Wetland – Oceanic valley mire(11) (D2.1)	D2.1	Terrestrial	f	Wetland	f2	Fen marsh and swamp			V.High	8	Same habitat required – bespoke compensation option ⚠	Very High	0.1	High	0.33			No
Wetland – Purple moor grass and rush pastures	f2b	Terrestrial	f	Wetland	f2	Fen marsh and swamp	f2b	Purple moor grass and rush pastures	V.High	8	Same habitat required – bespoke compensation option ⚠	High	0.33	High	0.33			No
Wetland – Reedbeds	f2e	Terrestrial	f	Wetland	f2	Fen marsh and swamp	f2e	Reedbeds	High	6	Same habitat required =	Medium	0.67	Medium	0.67			No
Wetland – Transition mires and quaking bogs (H7140)	f2c/f2a8	Terrestrial	f	Wetland	f2	Fen marsh and swamp	Various	Lowland fens/Upland flushes, fens and swamps	V.High	8	Same habitat required – bespoke compensation option ⚠	Very High	0.1	High	0.33			No
Woodland and forest - Felled	206	Terrestrial	Various						High	6	Same habitat required =	High	0.33	Low	1			Yes/No
Woodland and forest – Lowland beech and yew woodland	w1c	Terrestrial	w	Woodland and forest	w1	Broadleaved and mixed woodland	w1c	Lowland beech and yew woodland	High	6	Same habitat required =	High	0.33	High	0.33			Yes/No
Woodland and forest – Lowland mixed deciduous woodland	w1f	Terrestrial	w	Woodland and forest	w1	Broadleaved and mixed woodland	w1f	Lowland mixed deciduous woodland	High	6	Same habitat required =	High	0.33	High	0.33			Yes/No
Woodland and forest – Native pine woodlands	w2a	Terrestrial	w	Woodland and forest	w2	Coniferous woodland	w2a	Native pine woodlands	High	6	Same habitat required =	High	0.33	High	0.33			Yes/No
Woodland and forest – Other coniferous woodland	w2c	Terrestrial	w	Woodland and forest	w2	Coniferous woodland	w2c	Other coniferous woodland	Low	2	Same distinctiveness or better habitat required ?	Low	1	Low	1			Yes/No
Woodland and forest – Other Scot's pine woodland	w2b	Terrestrial	w	Woodland and forest	w2	Coniferous woodland	w2b	Other Scot's pine woodland	Medium	4	Same broad habitat or a higher distinctiveness habitat required (2)	Medium	0.67	Medium	0.67			Yes/No
Woodland and forest – Other woodland; broadleaved	w1g	Terrestrial	w	Woodland and forest	w1	Broadleaved and mixed woodland	w1g	Other woodland; broadleaved	Medium	4	Same broad habitat or a higher distinctiveness habitat required (2)	Low	1	Low	1			Yes/No
Woodland and forest – Other woodland; mixed	w1h	Terrestrial	w	Woodland and forest	w1	Broadleaved and mixed woodland	w1h	Other woodland; mixed	Medium	4	Same broad habitat or a higher distinctiveness habitat required (2)	Low	1	Low	1			Yes/No
Woodland and forest – Upland birchwoods	w1e	Terrestrial	w	Woodland and forest	w1	Broadleaved and mixed woodland	w1e	Upland birchwoods	High	6	Same habitat required =	Medium	0.67	Medium	0.67			Yes/No
Woodland and forest – Upland mixed ashwoods	w1b	Terrestrial	w	Woodland and forest	w1	Broadleaved and mixed woodland	w1b	Upland mixed ashwoods	High	6	Same habitat required =	High	0.33	High	0.33			Yes/No
Woodland and forest – Upland oakwood	w1a	Terrestrial	w	Woodland and forest	w1	Broadleaved and mixed woodland	w1a	Upland oakwood	High	6	Same habitat required =	High	0.33	High	0.33			Yes/No
Woodland and forest – Wet woodland	w1d	Terrestrial	w	Woodland and forest	w1	Broadleaved and mixed woodland	w1d	Wet woodland	High	6	Same habitat required =	Medium	0.67	Medium	0.67			Yes/No
Woodland and forest - Wood-pasture and parkland	26	Terrestrial	Various						V.High	8	Same habitat required – bespoke compensation option ⚠	Very High	0.1	High	0.33			Yes/No
Woodland and forest - Felled	206	Terrestrial	Various						High	6	Same habitat required =	High	0.33	Low	1			Yes/No
Coastal lagoons – Coastal lagoons	s02	Intertidal	X03/03	Coastal lagoons		Coastal lagoons			High	6	Same habitat required =	Medium	0.67	Medium	0.67			No
Rocky shore – High energy littoral rock	a1.1	Intertidal	A1	Rocky shore		High energy littoral rock			High	6	Same habitat required =	High	0.33	Medium	0.67			No
Rocky shore – High energy littoral rock - on peat, clay or chalk	A1.1	Intertidal	A1	Rocky shore		High energy littoral rock - on bedrock including chalk, peat or clay			V.High	8	Same habitat required – bespoke compensation option ⚠	Very High	0.1	Medium	0.67			No
Rocky shore – Moderate energy littoral rock	A1.2	Intertidal	A1	Rocky shore		Moderate energy littoral rock			High	6	Same habitat required =	High	0.33	Medium	0.67			No
Rocky shore – Moderate energy littoral rock - on peat, clay or chalk	A1.2.PCC	Intertidal	A1	Rocky shore		Moderate energy littoral rock - on bedrock including chalk, peat or clay			V.High	8	Same habitat required – bespoke compensation option ⚠	Very High	0.1	Medium	0.67			No
Rocky shore – Low energy littoral rock	A1.3	Intertidal	A1	Rocky shore		Low energy littoral rock			High	6	Same habitat required =	High	0.33	Medium	0.67			No
Rocky shore – Low energy littoral rock - on peat, clay or chalk	A1.3.PCC	Intertidal	A1	Rocky shore		Low energy littoral rock - on bedrock including chalk, peat or clay			V.High	8	Same habitat required – bespoke compensation option ⚠	Very High	0.1	Medium	0.67			No
Rocky shore – Features of littoral rock	A1.4	Intertidal	A1	Rocky shore		Features of littoral rock			High	6	Same habitat required =	High	0.33	Medium	0.67			No
Rocky shore – Features of littoral rock - on peat, clay or chalk	A1.PCC	Intertidal	A1	Rocky shore		Features of littoral rock - on bedrock including chalk, peat or clay			V.High	8	Same habitat required – bespoke compensation option ⚠	Very High	0.1	Medium	0.67			No
Coastal saltmarsh – Saltmarshes and saline reedbeds	A2.5	Intertidal	A2	Coastal saltmarsh		Coastal saltmarshes and saline reedbeds			High	6	Same habitat required =	High	0.33	Medium	0.67			Yes/No
Coastal saltmarsh – Artificial saltmarshes and saline reedbeds	ART_A2.5	Intertidal		Coastal saltmarsh		Artificial saltmarshes and saline reedbeds			Low	2	Same distinctiveness or better habitat required ?	High	0.33	Medium	0.67	For these habitats the artificial		Yes/No
Intertidal sediment – Littoral coarse sediment	A2.1	Intertidal	A2	Intertidal sediment		Littoral coarse sediment			Medium	4	Same broad habitat or a higher distinctiveness habitat required (?)	Medium	0.67	Medium	0.67			No
Intertidal sediment – Littoral mud	A2.3	Intertidal	A2	Intertidal sediment		Littoral mud			High	6	Same habitat required =	High	0.33	Medium	0.67			No
Intertidal sediment – Littoral mixed sediments	A2.4	Intertidal	A2	Intertidal sediment		Littoral mixed sediments			High	6	Same habitat required =	High	0.33	Medium	0.67			No
Intertidal sediment – Littoral seagrass	A2.6	Intertidal	A2	Intertidal sediment		Littoral sediments dominated by aquatic angiosperms			High	6	Same habitat required =	High	0.33	High	0.33			No
Intertidal sediment – Littoral seagrass on peat, clay or chalk	A2.6.PCC	Intertidal	A2	Intertidal sediment		Littoral seagrass - on peat, clay or chalk			V.High	8	Same habitat required – bespoke compensation option ⚠	Very High	0.1	High	0.33			No
Intertidal sediment – Littoral biogenic reefs - Mussels	A2.7.M	Intertidal	A2	Intertidal sediment		Littoral biogenic reefs - Mussels			High	6	Same habitat required =	High	0.33	Medium	0.67			No
Intertidal sediment – Littoral biogenic reefs - Sabellaria	A2.7.S	Intertidal	A2	Intertidal sediment		Littoral biogenic reefs - Sabellaria			High	6	Same habitat required =	High	0.33	Medium	0.67			No
Intertidal sediment – Features of littoral sediment	A5.6	Intertidal	A5	Intertidal sediment		Features of littoral sediment			High	6	Same habitat required =	High	0.33	Medium	0.67			No
Intertidal sediment – Artificial littoral coarse sediment	ART_A2.1	Intertidal	A2	Intertidal sediment		Artificial littoral coarse sediment			Low	2	Same distinctiveness or better habitat required ?	Medium	0.67	Medium	0.67	Artificial sedimentary habitats		No
Intertidal sediment – Artificial littoral mud	ART_A2.3	Intertidal		Intertidal sediment		Artificial littoral mud			Low	2	Same distinctiveness or better habitat required ?	High	0.33	Medium	0.67	See above		No
Intertidal sediment – Artificial littoral sand	ART_A2.21/A2.22/A2.23	Intertidal		Intertidal sediment		Artificial littoral sand			Low	2	Same distinctiveness or better habitat required ?	Medium	0.67	Medium	0.67	See above		No
Intertidal sediment – Artificial littoral muddy sand	ART_A2.24	Intertidal	A2	Intertidal sediment		Artificial littoral mud			Low	2	Same distinctiveness or better habitat required ?	High	0.33	Medium	0.67	See above		No
Intertidal sediment – Artificial littoral mixed sediments	ART_A2.4	Intertidal	A2	Intertidal sediment		Artificial littoral mixed sediments			Low	2	Same distinctiveness or better habitat required ?	High	0.33	Medium	0.67	See above		No
Intertidal sediment – Artificial littoral seagrass	ART_A2.6	Intertidal	A2	Intertidal sediment		Artificial littoral seagrass			Low	2	Same distinctiveness or better habitat required ?	High	0.33	High	0.33	See basic description for		No
Intertidal sediment – Artificial littoral biogenic reefs	ART_A2.7	Intertidal	A2	Intertidal sediment		Artificial littoral biogenic reefs			Low	2	Same distinctiveness or better habitat required ?	High	0.33	Medium	0.67	See basic description for		No
Intertidal sediment – Littoral sand	A2.21/A2.22/A2.23	Intertidal		Intertidal sediment		Littoral sand			Medium	4	Same broad habitat or a higher distinctiveness habitat required (2)	Medium	0.67	Medium	0.67			No
Intertidal sediment – Littoral muddy sand	A2.24	Intertidal		Intertidal sediment		Littoral muddy sand			High	6	Same habitat required =	High	0.33	Medium	0.67			No
Intertidal hard structures – Artificial hard structures	ART_A1	Intertidal		Intertidal hard structures		Artificial hard structures			Low	2	Same distinctiveness or better habitat required ?	Medium	0.67	Medium	0.67	Artificial hard structures are		No
Intertidal hard structures – Artificial features of hard structures	ART_A1.4	Intertidal		Intertidal hard structures		Artificial features of hard structures			Low	2	Same distinctiveness or better habitat required ?	Medium	0.67	Medium	0.67	Where man-made materials		No
Intertidal hard structures – Artificial hard structures with integrated Greening of	ART_A1.4/X03	Intertidal		Intertidal hard structures		Artificial hard structures with Integrated Greening of Grey Infrastructure (IGGI)			Medium	4	Same broad habitat or a higher distinctiveness habitat required (2)	Medium	0.67	Medium	0.67	Where natural materials		No
Watercourse footprint – Watercourse footprint	NE0017	Watercourse							V.low	0	Compensation Not Required	Low	1	Low	1	Area footprint of watercourse		No

G-1 All Habitats

Distinctiveness categories		
Distinctiveness category	Distinctiveness score	Suggested action
V.High	8	Same habitat required + bespoke compensation option ⚠
High	6	Same habitat required =
Medium	4	Same broad habitat or a higher distinctiveness habitat required (2)
Low	2	Same distinctiveness or better habitat required ≥
V.Low	0	Compensation Not Required
Irreplaceable Habitats		Bespoke compensation likely to be required

Condition categories	
Condition Multiplier	Condition Assessment Score
Good	3
Fairly Good	2.5
Moderate	2
Fairly Poor	1.5
Poor	1
Condition Assessment N/A	1
N/A - Other	0

Bespoke Compensation For Unacceptable Losses Agreed
Yes
No
Pending

Broad Habitats	Conditional Broad Habitat Label
Cropland	Cropland
Grassland	Grassland
Heathland and shrub	Heathland_and_shrub
Lakes	Lakes
Sparsely vegetated land	Sparsely_vegetated_land
Urban	Urban
Wetland	Wetland
Woodland and forest	Woodland_and_forest
Coastal lagoons	Coastal_lagoons
Rocky shore	Rocky_shore
Coastal saltmarsh	Coastal_saltmarsh
Intertidal sediment	Intertidal_sediment
Intertidal hard structures	Intertidal_hard_structures
Watercourse footprint	Watercourse_footprint
Individual trees	Individual_trees

Creation	
Broad Habitats	Conditional Broad Habitat Label
Cropland	Cropland
Grassland	Grassland
Heathland and shrub	Heathland_and_shrub
Lakes	Lakes
Sparsely vegetated land	Sparsely_vegetated_land
Urban	Urban
Wetland	Wetland
Woodland and forest	Woodland_and_forest_2
Coastal lagoons	Coastal_lagoons
Rocky shore	Rocky_shore
Coastal saltmarsh	Coastal_saltmarsh
Intertidal sediment	Intertidal_sediment
Intertidal hard structures	Intertidal_hard_structures
Watercourse footprint	Watercourse_footprint
Individual trees	Individual_trees

Enhancement	
Broad Habitats	Conditional Broad Habitat Label
Cropland	Cropland
Grassland	Grassland
Heathland and shrub	Heathland_and_shrub
Lakes	Lakes
Sparsely vegetated land	Sparsely_vegetated_land
Urban	Urban
Wetland	Wetland
Woodland and forest	Woodland_and_forest_3
Coastal lagoons	Coastal_lagoons
Rocky shore	Rocky_shore
Coastal saltmarsh	Coastal_saltmarsh
Intertidal sediment	Intertidal_sediment
Intertidal hard structures	Intertidal_hard_structures
Watercourse footprint	Watercourse_footprint
Individual trees	Individual_trees

Return To Start

All Habitats

1	2	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Habitat Description	Group	Distinctiveness	Trading Notes	Existing area baseline on-site	Existing units baseline on-site	Existing area retained on-site	Existing units retained on-site	Existing area lost on-site	Existing units lost baseline on-site	Proposed area creation on-site post development	Proposed units creation on-site post development	Proposed area enhancement on-site post development	Proposed units enhancement on-site post development	Total proposed area on-site post development	Total proposed units on-site post development	Net area change on-site	Net unit change on-site	Existing area off-site	Existing units off-site	Retained area off-site	Retained units off-site	Proposed area creation off-site	Proposed units creation off-site	Proposed area enhancement off-site	Proposed units enhancement off-site	Total proposed area off-site	Total proposed units off-site	Off-site net area change	Off-site net unit change	Overall area change	Overall unit change
Cropland - Arable field margins cultivated annually	Cropland	Medium	Same broad habitat or a higher distinctiveness habitat required (2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cropland - Arable field margins game bird mix	Cropland	Medium	Same broad habitat or a higher distinctiveness habitat required (2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cropland - Arable field margins pollen and nectar	Cropland	Medium	Same broad habitat or a higher distinctiveness habitat required (2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cropland - Arable field margins tussocky	Cropland	Medium	Same broad habitat or a higher distinctiveness habitat required (2)	1.13	4.53	0.94	3.75	0.19	0.78	0.00	0.00	0.00	0.00	0.94	3.75	-0.19	-0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.19	-0.78	0.00	0.00
Cropland - Cereal crops	Cropland	Low	Same distinctiveness or better habitat required ≥	75.94	151.88	50.94	101.69	25.10	50.19	19.90	38.41	0.00	0.00	70.74	140.10	-5.20	-11.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-5.20	-11.79	0.00	0.00
Cropland - Winter stubble	Cropland	Low	Same distinctiveness or better habitat required ≥	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cropland - Horticulture	Cropland	Low	Same distinctiveness or better habitat required ≥	1.69	3.38	0.06	0.12	1.63	3.26	1.63	3.14	0.00	0.00	1.69	3.26	0.00	-0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.11	0.00	0.00
Cropland - Intensive orchards	Cropland	Low	Same distinctiveness or better habitat required ≥	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cropland - Non-cereal crops	Cropland	Low	Same distinctiveness or better habitat required ≥	3.94	7.89	1.03	2.04	2.92	5.85	0.05	0.09	0.00	0.00	1.07	2.14	-2.87	-5.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.87	-5.75	0.00	0.00
Cropland - Temporary grass and clover leys	Cropland	Low	Same distinctiveness or better habitat required ≥	18.33	36.63	11.43	22.84	6.90	13.79	4.58	8.80	0.00	0.00	15.99	31.64	-2.34	-5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.34	-5.00	0.00	0.00
Grassland - Traditional orchards	Grassland	High	Same habitat required =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grassland - Bracken	Grassland	Low	Same distinctiveness or better habitat required ≥	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grassland - Floodplain wetland mosaic and CFGM	Grassland	Medium	Same habitat required =	2.18	28.19	0.05	0.58	0.00	0.00	2.13	27.61	30.00	2.18	32.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grassland - Lowland calcareous grassland	Grassland	High	Same habitat required =	1.31	23.50	0.69	12.35	0.62	11.16	5.59	17.53	0.00	0.00	6.33	29.97	4.93	6.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.93	6.37	0.00	0.00
Grassland - Lowland dry acid grassland	Grassland	V.High	Same habitat required – bespoke compensation option A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grassland - Lowland meadows	Grassland	V.High	Same habitat required – bespoke compensation option A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grassland - Modified grassland	Grassland	Low	Same distinctiveness or better habitat required ≥	131.57	410.01	80.09	265.26	48.63	198.20	35.63	124.44	0.00	0.00	115.72	329.71	-15.85	-80.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-15.85	-80.31	0.00	0.00
Grassland - Other lowland acid grassland	Grassland	Medium	Same broad habitat or a higher distinctiveness habitat required (2)	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grassland - Other neutral grassland	Grassland	Medium	Same broad habitat or a higher distinctiveness habitat required (2)	23.88	185.79	11.40	96.38	10.88	83.00	22.68	153.67	4.48	33.95	38.50	283.99	14.62	98.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.62	98.21	0.00	0.00
Grassland - Tall herb communities (H6430)	Grassland	High	Same habitat required =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grassland - Upland acid grassland	Grassland	Medium	Same broad habitat or a higher distinctiveness habitat required (2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grassland - Upland calcareous grassland	Grassland	High	Same habitat required =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grassland - Upland hay meadows	Grassland	V.High	Same habitat required – bespoke compensation option A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heathland and shrub - Blackthorn scrub	Heathland and shrub	Medium	Same broad habitat or a higher distinctiveness habitat required (2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heathland and shrub - Bramble scrub	Heathland and shrub	Medium	Same broad habitat or a higher distinctiveness habitat required (2)	0.49	1.97	0.44	1.76	0.05	0.21	0.05	0.20	0.00	0.00	0.49	1.96	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00
Heathland and shrub - Gorse scrub	Heathland and shrub	Medium	Same broad habitat or a higher distinctiveness habitat required (2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heathland and shrub - Hawthorn scrub	Heathland and shrub	Medium	Same broad habitat or a higher distinctiveness habitat required (2)	0.33	1.36	0.33	1.36	0.00	0.00	0.00	0.00	0.00	0.00	0.33	1.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heathland and shrub - Hazel scrub	Heathland and shrub	Medium	Same broad habitat or a higher distinctiveness habitat required (2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heathland and shrub - Lowland heathland	Heathland and shrub	High	Same habitat required =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heathland and shrub - Mixed scrub	Heathland and shrub	Medium	Same broad habitat or a higher distinctiveness habitat required (2)	3.81	42.23	1.05	11.50	2.76	30.73	4.39	28.99	0.00	0.00	5.34	40.49	1.53	-1.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.53	-1.76	0.00	0.00
Heathland and shrub - Mountain heaths and willow scrub	Heathland and shrub	V.High	Same habitat required – bespoke compensation option A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heathland and shrub - Rhododendron scrub	Heathland and shrub	Low	Same distinctiveness or better habitat required ≥	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heathland and shrub - Dunes with sea buckthorn (H2160)	Heathland and shrub	High	Same habitat required =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heathland and shrub - Other sea buckthorn scrub	Heathland and shrub	Low	Same distinctiveness or better habitat required ≥	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heathland and shrub - Willow scrub	Heathland and shrub	Medium	Same broad habitat or a higher distinctiveness habitat required (2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Heathland and shrub - Upland heathland	Heathland and shrub	High	Same habitat required =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lakes - Aquifer fed naturally fluctuating water bodies	Lakes	V.High	Same habitat required – bespoke compensation option A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lakes - Ornamental lake or pond	Lakes	Low	Same distinctiveness or better habitat required ≥	0.01	0.03	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lakes - High alkalinity lakes	Lakes	High	Same habitat required =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lakes - Low alkalinity lakes	Lakes	High	Same habitat required =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lakes - Marl lakes	Lakes	High	Same habitat required =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lakes - Moderate alkalinity lakes	Lakes	High	Same habitat required =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lakes - Peat lakes	Lakes	High	Same habitat required =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lakes - Ponds (priority habitat)	Lakes	High	Same habitat required =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lakes - Ponds (non-priority habitat)	Lakes	Medium	Same broad habitat or a higher distinctiveness habitat required (2)	0.01	0.07	0.00	0.06	0.00	0.01	0.01	0.01	0.00	0.00	0.01	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lakes - Reservoirs	Lakes	Medium	Same broad habitat or a higher distinctiveness habitat required (2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lakes - Temporary lakes ponds and pools (H3170)	Lakes	High	Same habitat required =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sparsely vegetated land - Calaminarian grasslands	Sparsely vegetated land	V.High	Same habitat required – bespoke compensation option A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sparsely vegetated land - Coastal sand dunes	Sparsely vegetated land	High	Same habitat required =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sparsely vegetated land - Coastal vegetated shingle	Sparsely vegetated land	High	Same habitat required =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sparsely vegetated land - Rudera/Ephemeral	Sparsely vegetated land	Low	Same distinctiveness or better habitat required ≥	0.72	4.29	0.32	1.94	0.39	2.35	0.39	1.97	0.00	0.00	0.71	3.91	0.00	-0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.38	0.00	0.00
Sparsely vegetated land - Tall forbs	Sparsely vegetated land	Low	Same distinctiveness or better habitat required ≥	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sparsely vegetated land - Inland rock outcrop and scree habitats	Sparsely vegetated land	High	Same habitat required =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sparsely vegetated land - Limestone pavement	Sparsely vegetated land	V.High	Same habitat required – bespoke compensation option A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sparsely vegetated land - Maritime cliff and slopes	Sparsely vegetated land	High	Same habitat required =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sparsely vegetated land - Other inland rock and scree	Sparsely vegetated land	Medium	Same broad habitat or a higher distinctiveness habitat required (2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Urban - Allotments	Urban	Low	Same distinctiveness or better habitat required ≥	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Urban - Artificial unvegetated, unsealed surface	Urban	V.Low	Compensation Not Required	0.13	0.06	0.04	0.02	0.08	0.03	0.08	0.04	0.00	0.00	0.12	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Urban - Bioswale	Urban	Low	Same distinctiveness or better habitat required ≥	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Urban - Intensive green roof	Urban	Low	Same distinctiveness or better habitat required ≥	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Urban - Built linear features	Urban	V.Low	Compensation Not Required	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Urban - Cemeteries and churchyards	Urban	Medium	Same broad habitat or a higher distinctiveness habitat required (2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Urban - Developed land; sealed surface	Urban	V.Low	Compensation Not Required	19.77	0.00	14.99	0.00	4.78	0.00	12.40	0.00	0.00	0.00	27.39	0.00	7.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.63	0.00	0.00	0.00
Urban - Other green roof	Urban	Low	Same distinctiveness or better habitat required ≥	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Urban - Facade-bound green wall	Urban	Low	Same distinctiveness or better habitat required ≥	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Urban - Ground based green wall	Urban	Low	Same distinctiveness or better habitat required ≥	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Urban - Ground level planters	Urban	Low	Same distinctiveness or better habitat required ≥	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Urban - Biodiverse green roof	Urban	Medium	Same broad habitat or a higher distinctiveness habitat required (2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Urban - Introduced shrub	Urban	Low	Same distinctiveness or better habitat required ≥	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Urban - Open mosaic habitats on previously developed land	Urban	High	Same habitat required =	4.34	78.10	0.00	0.00	4.34	78.10	0.69	4.82	0.00	0.00	0.69	4.82	-3.65	-73.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.65	-73.28	0.00	0.00
Urban - Rain garden	Urban	Low	Same distinctiveness or better habitat required ≥	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Urban - Actively worked sand pit quarry or open cast mine	Urban	Low	Same distinctiveness or better habitat required ≥	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Individual trees - Urban tree	Individual trees	Medium	Same broad habitat or a higher distinctiveness habitat required (2)	0.33	4.74	0.11	0.69	0.01	0.05	0.00	0.00	0.00	0.00

Rocky shore - Moderate energy littoral rock	Rocky shore	High	Same habitat required =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rocky shore - Moderate energy littoral rock - on peat, clay or chalk	Rocky shore	V.High	Same habitat required – bespoke compensation option A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rocky shore - Low energy littoral rock	Rocky shore	High	Same habitat required =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rocky shore - Low energy littoral rock - on peat, clay or chalk	Rocky shore	V.High	Same habitat required – bespoke compensation option A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rocky shore - Features of littoral rock	Rocky shore	High	Same habitat required =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rocky shore - Features of littoral rock - on peat, clay or chalk	Rocky shore	V.High	Same habitat required – bespoke compensation option A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal sediment - Littoral coarse sediment	Intertidal sediment	Medium	Same broad habitat or a higher distinctiveness habitat required (2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal sediment - Littoral mud	Intertidal sediment	High	Same habitat required =	0.44	5.23	0.44	5.23	0.00	0.00	0.00	0.00	0.00	0.00	0.44	5.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal sediment - Littoral mixed sediments	Intertidal sediment	High	Same habitat required =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coastal saltmarsh - Saltmarshes and saline reedbeds	Coastal saltmarsh	High	Same habitat required =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coastal saltmarsh - Artificial saltmarshes and saline reedbeds	Coastal saltmarsh	Low	Same distinctiveness or better habitat required ≥	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal sediment - Littoral seagrass	Intertidal sediment	High	Same habitat required =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal sediment - Littoral seagrass on peat, clay or chalk	Intertidal sediment	V.High	Same habitat required – bespoke compensation option A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal sediment - Littoral biogenic reefs - Mussels	Intertidal sediment	High	Same habitat required =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal sediment - Littoral biogenic reefs - Sabellaria	Intertidal sediment	High	Same habitat required =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal sediment - Features of littoral sediment	Intertidal sediment	High	Same habitat required =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal sediment - Artificial littoral coarse sediment	Intertidal sediment	Low	Same distinctiveness or better habitat required ≥	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal sediment - Artificial littoral mud	Intertidal sediment	Low	Same distinctiveness or better habitat required ≥	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal sediment - Artificial littoral sand	Intertidal sediment	Low	Same distinctiveness or better habitat required ≥	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal sediment - Artificial littoral muddy sand	Intertidal sediment	Low	Same distinctiveness or better habitat required ≥	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal sediment - Artificial littoral mixed sediments	Intertidal sediment	Low	Same distinctiveness or better habitat required ≥	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal sediment - Artificial littoral seagrass	Intertidal sediment	Low	Same distinctiveness or better habitat required ≥	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal sediment - Artificial littoral biogenic reefs	Intertidal sediment	Low	Same distinctiveness or better habitat required ≥	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal sediment - Littoral sand	Intertidal sediment	Medium	Same broad habitat or a higher distinctiveness habitat required (2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal sediment - Littoral muddy sand	Intertidal sediment	High	Same habitat required =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal hard structures - Artificial hard structures	Intertidal hard structures	Low	Same distinctiveness or better habitat required ≥	0.09	0.37	0.09	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal hard structures - Artificial features of hard structures	Intertidal hard structures	Low	Same distinctiveness or better habitat required ≥	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal hard structures - Artificial hard structures with integrated greening of grey infrastructure (IGI)	Intertidal hard structures	Medium	Same broad habitat or a higher distinctiveness habitat required (2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Watercourse footprint - Watercourse footprint	Watercourse footprint	V.Low	Compensation Not Required	0.23	0.00	0.23	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Individual trees - Rural tree	Individual trees	Medium	Same broad habitat or a higher distinctiveness habitat required (2)	1.30	4.61	1.18	3.40	0.12	1.21	0.00	0.00	0.25	2.85	0.00	0.00	1.27	3.65	0.00	-0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.96	-0.96
0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Hedgerows and lines of trees

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Hedgerow type	Group	Distinctiveness	Trading Notes	Existing length baseline on-site	Existing units baseline on-site	Existing length retained on-site	Existing Units retained on-site	Existing length lost on-site	Existing units lost baseline on-site	Proposed length creation on-site post development	Proposed units creation on-site post development	Proposed length enhancement on-site post development	Proposed units enhancement on-site post development	Total proposed length on-site post development	Total proposed units on-site post development	Net length change on-site	Net unit change on-site	Existing length off-site	Existing units off-site	Retained length off-site	Retained units off-site	Proposed length creation off-site	Proposed units creation off-site	Proposed length enhancement off-site	Proposed units Enhancement off-site	Total proposed length off-site	Total proposed units off-site	Off-site net length change	Off-site net unit change	Overall length change	Overall unit change
Species-rich native hedgerow with trees - associated with bank or ditch	Hedgerow	V.High	Like for like	0.69	16.24	0.53	12.48	0.16	3.76	0.16	1.85	0.00	0.00	0.69	14.33	0.00	-1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.93
Species-rich native hedgerow with trees	Hedgerow	High	Like for like or better	1.98	33.63	1.19	20.17	0.80	13.46	0.95	8.28	0.00	0.00	2.11	28.45	0.13	-5.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.13	-5.18
Species-rich native hedgerow - associated with bank or ditch	Hedgerow	High	Like for like or better	0.35	6.34	0.22	4.04	0.13	2.30	0.13	1.50	0.00	0.00	0.35	8.54	0.00	-0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.80
Native hedgerow with trees - associated with bank or ditch	Hedgerow	High	Like for like or better	0.65	7.97	0.43	5.18	0.18	2.79	0.18	1.54	0.00	0.00	0.65	6.72	0.00	-1.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.25
Species-rich native hedgerow	Hedgerow	Medium	Same distinctiveness band or better	2.09	24.88	1.42	16.86	0.68	8.02	1.07	7.91	0.00	0.00	2.49	24.77	0.40	-0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.40	-0.11
Native hedgerow - associated with bank or ditch	Hedgerow	Medium	Same distinctiveness band or better	1.02	8.84	0.82	6.73	0.20	2.11	0.20	1.49	0.00	0.00	1.02	8.22	0.00	-0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.61
Native hedgerow with trees	Hedgerow	Medium	Same distinctiveness band or better	1.03	10.23	0.42	3.84	0.61	6.39	0.61	3.53	0.00	0.00	1.03	7.36	0.00	-2.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.87
Ecologically valuable line of trees	Hedgerow	Medium	Same distinctiveness band or better	0.58	5.72	0.34	3.33	0.24	2.39	0.15	0.87	0.00	0.00	0.49	3.90	-0.09	-1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.09	0.00	-0.09	-1.83
Ecologically valuable line of trees - associated with bank or ditch	Hedgerow	Medium	Same distinctiveness band or better	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Native hedgerow	Hedgerow	Low	Same distinctiveness band or better	3.48	15.54	1.78	8.10	1.34	6.03	1.15	3.98	0.38	2.12	3.28	14.23	-0.19	-1.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.19	0.00	-0.19	-1.34
Line of trees	Hedgerow	Low	Same distinctiveness band or better	0.94	3.63	0.66	2.50	0.22	0.94	0.22	0.43	0.05	0.27	0.84	3.19	0.00	-0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.44
Line of trees - associated with bank or ditch	Hedgerow	Low	Same distinctiveness band or better	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Non-native and ornamental hedgerow	Hedgerow	V.Low	Same distinctiveness band or better	0.24	0.24	0.24	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Watercourses

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Watercourse type	Group	Distinctiveness	Trading Notes	Existing length baseline on-site	Existing units baseline on-site	Existing length retained on-site	Existing Units retained on-site	Existing length lost on-site	Existing units lost baseline on-site	Proposed length creation on-site post development	Proposed units creation on-site post development	Proposed length enhancement on-site post development	Proposed units enhancement on-site post development	Total proposed length on-site post development	Total proposed units on-site post development	Net length change on-site	Net unit change on-site	Existing length off-site	Existing units off-site	Retained length off-site	Retained units off-site	Proposed length creation off-site	Proposed units creation off-site	Proposed length enhancement off-site	Proposed units Enhancement off-site	Total proposed length off-site	Total proposed units off-site	Off-site net length change	Off-site net unit change	Overall length change	Overall unit change
Priority habitat	Watercourses	V.High	Loss Unacceptable	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other rivers and streams	Watercourses	High	Avoid	0.73	8.83	0.71	8.62	0.02	0.20	0.02	0.05	0.00	0.00	0.73	6.68	0.00	-0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.15
Ditches	Watercourses	Medium	Avoid, Mitigate or Compensate	1.48	6.65	1.29	5.22	0.19	1.44	0.19	0.69	0.00	0.00	1.48	5.91	0.00	-0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.74
Canals	Watercourses	Medium	Avoid, Mitigate or Compensate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Culvert	Watercourses	Low	Mitigate or Compensate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Group Sub-totals

On-site habitat group	Existing area	Existing value	Proposed area on-site	Proposed value on-site	On-site area change	On-site unit change
Cropland	101.0	204.3	90.4	180.9	-10.6	-23.4
Grassland	158.9	645.5	162.6	682.2	3.7	36.7
Heathland and shrub	4.6	45.6	6.2	43.8	1.5	-1.8
Lakes	0.0	0.1	0.0	0.1	0.0	0.0
Sparsely vegetated land	0.7	4.3	0.7	3.9	0.0	-0.4
Urban	84.2	78.1	38.4	5.5	4.2	-72.6
Wetland	0.5	3.2	0.5	3.2	0.0	0.0
Woodland and forest	14.4	150.8	15.6	157.6	1.2	6.8
Intertidal sediment	0.4	5.2	0.4	5.2	0.0	0.0
Coastal saltmarsh	0.0	0.0	0.0	0.0	0.0	0.0
Rocky shore	0.0	0.0	0.0	0.0	0.0	0.0
Coastal lagoons	0.0	0.0	0.0	0.0	0.0	0.0
Intertidal hard structures	0.1	0.4	0.1	0.4	0.0	0.0
Individual trees	1.6	5.4	1.6	4.3	0.0	-1.0
Watercourse footprint	0.3	0.0	0.3	0.0	0.0	0.0

Off-site habitat group	Existing area	Existing value	Proposed area off-site	Proposed value off-site	Off-site area change	Off-site unit change
Cropland	0.0	0.0	0.0	0.0	0.0	0.0
Grassland	0.0	0.0	0.0	0.0	0.0	0.0
Heathland and shrub	0.0	0.0	0.0	0.0	0.0	0.0
Lakes	0.0	0.0	0.0	0.0	0.0	0.0
Sparsely vegetated land	0.0	0.0	0.0	0.0	0.0	0.0
Urban	0.0	0.0	0.0	0.0	0.0	0.0
Wetland	0.0	0.0	0.0	0.0	0.0	0.0
Woodland and forest	0.0	0.0	0.0	0.0	0.0	0.0
Intertidal sediment	0.0	0.0	0.0	0.0	0.0	0.0
Coastal saltmarsh	0.0	0.0	0.0	0.0	0.0	0.0
Rocky shore	0.0	0.0	0.0	0.0	0.0	0.0
Coastal lagoons	0.0	0.0	0.0	0.0	0.0	0.0
Intertidal hard structures	0.0	0.0	0.0	0.0	0.0	0.0
Individual trees	0.0	0.0	0.0	0.0	0.0	0.0
Watercourse footprint	0.0	0.0	0.0	0.0	0.0	0.0

Distinctiveness Band Sub-totals

Very High

Habitat Group	Group	Existing Area	Existing Value Lost	Proposed Area On-site	Proposed Value On-site	On-site Area Change	On-site Unit Change	Proposed Area Off-site	Off-site Unit Change	Unit Change Including Off-site	Units Required Off-site
Grassland - Lowland dry acid grassland	Grassland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Grassland - Lowland meadows	Grassland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Grassland - Upland hay meadows	Grassland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Heathland and shrub - Mountain heaths and willow scrub	Heathland and shrub	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Lakes - Aquifer fed naturally fluctuating water bodies	Lakes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sparsely vegetated land - Calaminarian grasslands	Sparsely vegetated land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sparsely vegetated land - Limestone pavement	Sparsely vegetated land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Wetland - Blanket bog	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Wetland - Depressions on peat substrates (H7150)	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Wetland - Fens (upland and lowland)	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Wetland - Lowland raised bog	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Wetland - Oceanic valley mire[11 (D2.1)	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Wetland - Purple moor grass and rush pastures	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Wetland - Transition mires and quaking bogs (H7140)	Wetland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Woodland and forest - Wood-pasture and parkland	Woodland and forest	2.17	0.00	0.33	34.69	-1.84	0.00	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	0.00	0.00	0.00	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	0.00	0.00	0.00	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	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	
Intertidal sediment - Littoral seagrass on peat, clay or chalk	Intertidal sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

High

Habitat Group	Group	Existing Area	Existing Value Lost	Proposed Area On-site	Proposed Value On-site	On-site Area Change	On-site Unit Change	Proposed Area Off-site	Off-site Unit Change	Unit Change Including Off-site	Units Required Off-site
Grassland - Traditional orchards	Grassland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Grassland - Floodplain wetland mosaic and CFGM	Grassland	2.18	0.00	2.18	38.59	0.00	12.40	0.00	0.00	12.40	
Grassland - Lowland calcareous grassland	Grassland	1.31	11.19	6.23	29.87	4.93	6.37	0.00	0.00	6.37	
Grassland - Tall herb communities (H6430)	Grassland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Grassland - Upland calcareous grassland	Grassland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Heathland and shrub - Lowland Heathland	Heathland and shrub	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Heathland and shrub - Dunes with sea buckthorn (H2160)	Heathland and shrub	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Heathland and shrub - Upland heathland	Heathland and shrub	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Lakes - High alkalinity lakes	Lakes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Lakes - Low alkalinity lakes	Lakes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Lakes - Marl lakes	Lakes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Lakes - Moderate alkalinity lakes	Lakes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Lakes - Peat lakes	Lakes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Lakes - Ponds (priority habitat)	Lakes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Lakes - Temporary lakes ponds and pools (H3170)	Lakes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sparsely vegetated land - Coastal sand dunes	Sparsely vegetated land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sparsely vegetated land - Coastal vegetated shingle	Sparsely vegetated land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sparsely vegetated land - Inland rock outcrop and scree habitats	Sparsely vegetated land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sparsely vegetated land - Maritime cliff and slopes	Sparsely vegetated land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Urban - Open mosaic habitats on previously developed land	Urban	4.34	78.10	0.69	4.83	-3.65	-73.28	0.00	0.00	-73.28	-73.28
Wetland - Reedbeds	Wetland	0.54	0.00	0.54	3.23	0.00	0.00	0.00	0.00	0.00	
Woodland and forest - Felled	Woodland and forest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Woodland and forest - Lowland beech and yew woodland	Woodland and forest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Woodland and forest - Lowland mixed deciduous woodland	Woodland and forest	2.70	7.38	0.80	35.49	1.10	-2.63	0.00	0.00	-2.63	-2.63
Woodland and forest - Native pine woodlands	Woodland and forest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Woodland and forest - Upland birchwoods	Woodland and forest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Woodland and forest - Upland mixed ashwoods	Woodland and forest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Woodland and forest - Upland oakwood	Woodland and forest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Woodland and forest - Wet woodland	Woodland and forest	1.88	0.00	2.03	28.43	0.10	0.69	0.00	0.00	0.69	
Coastal lagoons - Coastal lagoons	Coastal lagoons	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Rocky shore - High energy littoral rock	Rocky shore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Rocky shore - Moderate energy littoral rock	Rocky shore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Rocky shore - Low energy littoral rock	Rocky shore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Rocky shore - Features of littoral rock	Rocky shore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Intertidal sediment - Littoral mud	Intertidal sediment	0.44	0.00	0.44	5.23	0.00	0.00	0.00	0.00	0.00	
Intertidal sediment - Littoral mixed sediments	Intertidal sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Coastal saltmarsh - Saltmarshes and saline reedbeds	Coastal saltmarsh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Intertidal sediment - Littoral biogenic reefs - Mussels	Intertidal sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Intertidal sediment - Littoral biogenic reefs - Sabellaria	Intertidal sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Intertidal sediment - Features of littoral sediment	Intertidal sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Intertidal sediment - Littoral muddy sand	Intertidal sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Intertidal sediment - Littoral seagrass	Intertidal sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Medium

Habitat Group	Group	Existing Area	Existing Value Lost	Proposed Area On-site	Proposed Value On-site	On-site Area Change	On-site Unit Change	Proposed Area Off-site	Off-site Unit Change	Unit Change Including Off-site	Units Required Off-site or Trading Up
Cropland - Arable field margins cultivated annually	Cropland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Individual trees - Rural tree	Individual trees	1.30	1.21	1.27	3.69	-0.03	-0.95	0.00	0.00	-0.95	-0.95
Cropland - Arable field margins game bird mix	Cropland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Cropland - Arable field margins pollen and nectar	Cropland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Cropland - Arable field margins tussocky	Cropland	1.13	0.78	0.94	3.78	-0.19	-0.78	0.00	0.00	-0.78	-0.78
Grassland - Other lowland acid grassland	Grassland	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	
Grassland - Other neutral grassland	Grassland	23.98	83.00	38.50	260.99	14.52	98.21	0.00	0.00	98.21	
Grassland - Upland acid grassland	Grassland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Heathland and shrub - Blackthorn scrub	Heathland and shrub	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Heathland and shrub - Bramble scrub	Heathland and shrub	0.49	0.21	0.49	1.96	0.00	-0.01	0.00	0.00	-0.01	-0.01
Heathland and shrub - Gorse scrub	Heathland and shrub	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Heathland and shrub - Hawthorn scrub	Heathland and shrub	0.33	0.00	0.33	1.36	0.00	0.00	0.00	0.00	0.00	
Heathland and shrub - Hazel scrub	Heathland and shrub	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Heathland and shrub - Mixed scrub	Heathland and shrub	3.81	30.75	5.34	40.49	1.52	-1.76	0.00	0.00	-1.76	-1.76
Lakes - Ponds (non-priority habitat)	Lakes	0.01	0.01	0.01	0.06	0.00	0.00	0.00	0.00	0.00	0.00
Lakes - Reservoirs	Lakes	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	
Urban - Cemeteries and churchyards	Urban	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Urban - Biodiverse green roof	Urban	0.00	0.00	0.06	0.28	0.06	0.28	0.00	0.00	0.28	
Woodland and forest - Other Scot's pine woodland	Woodland and forest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Woodland and forest - Other woodland: broadleaved	Woodland and forest	7.59	9.16	7.35	58.14	-0.24	8.87	0.00	0.00	8.87	
Woodland and forest - Other woodland: mixed	Woodland and forest	0.22	0.18	0.22	0.88	0.00	-0.06	0.00	0.00	-0.06	-0.06
Intertidal sediment - Littoral coarse sediment	Intertidal sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Intertidal sediment - Littoral sand	Intertidal sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Intertidal hard structures - Artificial hard structures with integrated greening of grey infrastructure (IGGI)	Intertidal hard structures	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Heathland and shrub - Willow scrub	Heathland and shrub	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Individual trees - Urban tree	Individual trees	0.32	0.05	0.31	0.69	-0.01	-0.05	0.00	0.00	-0.05	-0.05

Low

Habitat Group	Group	Existing Area	Existing Value Lost	Proposed Area On-site	Proposed Value On-site	On-site Area Change	On-site Unit Change	Proposed Area Off-site	Off-site Unit Change	Unit Change Including Off-site	Units Required Off-site or Trading Up
Cropland - Cereal crops	Cropland	75.94	90.19	20.74	140.10	-5.20	-11.19	0.00	0.00	-11.19	-11.19
Cropland - Horticulture	Cropland	1.69	3.26	1.69	3.26	0.00	-0.11	0.00	0.00	-0.11	-0.11
Cropland - Intensive orchards	Cropland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Cropland - Non-cereal crops	Cropland	3.94	6.85	1.07	2.14	-2.87	-5.75	0.00	0.00	-5.75	-5.75
Cropland - Temporary grass and clover leys	Cropland	18.33	13.79	15.98	31.64	-2.34	-5.00	0.00	0.00	-5.00	-5.00
Cropland - Winter stubble	Cropland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Grassland - Modified grassland	Grassland	131.67	198.20	115.72	339.71	-15.95	-80.31	0.00	0.00	-80.31	-80.31
Grassland - Bracken	Grassland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Heathland and shrub - Rhododendron scrub	Heathland and shrub	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Lakes - Ornamental lake or pond	Lakes	0.01	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.00	
Sparsely vegetated land - Ruderal/ephemeral	Sparsely vegetated land	0.72	2.35	0.72	3.91	0.00	-0.38	0.00	0.00	-0.38	-0.38
Urban - Bioswale	Urban	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Urban - Allotments	Urban	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Urban - Facade-bound green wall	Urban	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Urban - Ground based green wall	Urban	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Urban - Ground level planters	Urban	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Urban - Other green roof	Urban	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Urban - Introduced shrub	Urban	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Urban - Rain garden	Urban	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Urban - Actively worked sand pit quarry or open cast mine	Urban	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Urban - Bare ground	Urban	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Urban - Sustainable drainage system	Urban	0.00	0.00	0.17	0.41	0.17	0.41	0.00	0.00	0.41	
Urban - Vacant or derelict land	Urban	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Urban - Vegetated garden	Urban	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Woodland and forest - Other coniferous woodland	Woodland and forest	0.03	0.04	0.01	0.03	-0.02	-0.04	0.00	0.00	-0.04	-0.04
Coastal saltmarsh - Artificial saltmarshes and saline reedbeds	Coastal saltmarsh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Intertidal sediment - Artificial littoral coarse sediment	Intertidal sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Intertidal sediment - Artificial littoral mud	Intertidal sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Intertidal sediment - Artificial littoral sand	Intertidal sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Intertidal sediment - Artificial littoral muddy sand	Intertidal sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Intertidal sediment - Artificial littoral mixed sediments	Intertidal sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Intertidal sediment - Artificial littoral seagrass	Intertidal sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Intertidal sediment - Artificial littoral biogenic reefs	Intertidal sediment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Intertidal hard structures - Artificial hard structures	Intertidal hard structures	0.09	0.00	0.09	0.37	0.00	0.00	0.00	0.00	0.00	
Intertidal hard structures - Artificial features of hard structures	Intertidal hard structures	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Heathland and shrub - Other sea buckthorn scrub	Heathland and shrub	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Urban - Intensive green roof	Urban	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sparsely vegetated land - Tall forbs	Sparsely vegetated land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Very Low

Habitat Group	Group	Existing Area	Existing Value Lost	Proposed Area On-site	Proposed Value On-site	On-site Area Change	On-site Unit Change	Proposed Area Off-site	Off-site Unit Change	Unit Change Including Off-site	Units Required Off-site or Trading Up
Urban - Artificial unvegetated, unsealed surface	Urban	0.12	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	
Urban - Built linear features	Urban	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Urban - Developed land; sealed surface	Urban	19.77	0.00	27.39	0.00	7.62	0.00	0.00	0.00	0.00	
Urban - Unvegetated garden	Urban	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Return to start

Risk

Habitat Description	Technical Difficulty Creation	Multiplier	Technical Difficulty Enhancement	Multiplier
Coastal lagoons - Coastal lagoons	Medium	0.67	Medium	0.67
Coastal saltmarsh - Saltmarshes and saline reedbeds	High	0.33	Medium	0.67
Cropland - Arable field margins cultivated annually	Low	1	Low	1
Cropland - Arable field margins game bird mix	Low	1	Low	1
Cropland - Arable field margins pollen and nectar	Low	1	Low	1
Cropland - Arable field margins tussocky	Low	1	Low	1
Cropland - Cereal crops	Low	1	Low	1
Cropland - Winter stubble	Low	1	Low	1
Cropland - Horticulture	Low	1	Low	1
Cropland - Intensive orchards	Low	1	Low	1
Cropland - Non-cereal crops	Low	1	Low	1
Cropland - Temporary grass and clover leys	Low	1	Low	1
Grassland - Traditional orchards	Low	1	Medium	0.67
Grassland - Bracken	Low	1	Low	1
Grassland - Floodplain wetland mosaic and CFGM	High	0.33	Medium	0.67
Grassland - Lowland calcareous grassland	High	0.33	High	0.33
Grassland - Lowland dry acid grassland	High	0.33	High	0.33
Grassland - Lowland meadows	High	0.33	Medium	0.67
Grassland - Modified grassland	Low	1	Low	1
Grassland - Other lowland acid grassland	Low	1	Low	1
Grassland - Other neutral grassland	Low	1	Low	1
Grassland - Tall herb communities (H6430)	High	0.33	High	0.33
Grassland - Upland acid grassland	Low	1	Low	1
Grassland - Upland calcareous grassland	High	0.33	High	0.33
Grassland - Upland hay meadows	High	0.33	Medium	0.67
Heathland and shrub - Blackthorn scrub	Low	1	Low	1
Heathland and shrub - Bramble scrub	Low	1	Low	1
Heathland and shrub - Gorse scrub	Low	1	Low	1
Heathland and shrub - Hawthorn scrub	Low	1	Low	1
Heathland and shrub - Hazel scrub	Medium	0.67	Low	1
Heathland and shrub - Willow scrub	Medium	0.67	Low	1
Heathland and shrub - Lowland heathland	High	0.33	Medium	0.67
Heathland and shrub - Mixed scrub	Low	1	Low	1
Heathland and shrub - Mountain heaths and willow scrub	High	0.33	High	0.33
Heathland and shrub - Rhododendron scrub	Low	1	Low	1
Heathland and shrub - Dunes with sea buckthorn (H2160)	Medium	0.67	Low	1
Heathland and shrub - Other sea buckthorn scrub	Low	1	Low	1
Heathland and shrub - Upland heathland	Medium	0.67	Medium	0.67
Intertidal sediment - Artificial littoral biogenic reefs	High	0.33	Medium	0.67
Intertidal sediment - Artificial littoral coarse sediment	Medium	0.67	Medium	0.67
Intertidal sediment - Artificial littoral mixed sediments	High	0.33	Medium	0.67
Intertidal sediment - Artificial littoral muddy sand	High	0.33	Medium	0.67
Intertidal sediment - Artificial littoral seagrass	High	0.33	High	0.33
Intertidal sediment - Features of littoral sediment	High	0.33	Medium	0.67
Intertidal sediment - Littoral biogenic reefs - Sabellaria	High	0.33	Medium	0.67
Intertidal sediment - Littoral coarse sediment	Medium	0.67	Medium	0.67
Intertidal sediment - Littoral mixed sediments	High	0.33	Medium	0.67
Intertidal sediment - Littoral mud	High	0.33	Medium	0.67
Intertidal sediment - Littoral seagrass	High	0.33	High	0.33
Intertidal sediment - Littoral seagrass on peat, clay or chalk	Very High	0.1	High	0.33
Lakes - Aquifer fed naturally fluctuating water bodies	Very High	0.1	High	0.33
Lakes - Ornamental lake or pond	Low	1	High	0.33
Lakes - High alkalinity lakes	High	0.33	High	0.33
Lakes - Low alkalinity lakes	High	0.33	Medium	0.67
Lakes - Marl lakes	High	0.33	High	0.33

Lakes - Moderate alkalinity lakes	High	0.33	High	0.33
Lakes - Peat lakes	High	0.33	High	0.33
Lakes - Ponds (non-priority habitat)	Low	1	Medium	0.67
Lakes - Ponds (priority habitat)	Medium	0.67	Medium	0.67
Lakes - Reservoirs	Medium	0.67	Medium	0.67
Lakes - Temporary lakes ponds and pools (H3170)	Medium	0.67	Medium	0.67
Rocky shore - Features of littoral rock	High	0.33	Medium	0.67
Rocky shore - Features of littoral rock - on peat, clay or chalk	Very High	0.1	Medium	0.67
Rocky shore - High energy littoral rock	High	0.33	Medium	0.67
Rocky shore - High energy littoral rock - on peat, clay or chalk	Very High	0.1	Medium	0.67
Rocky shore - Low energy littoral rock	High	0.33	Medium	0.67
Rocky shore - Low energy littoral rock - on peat, clay or chalk	Very High	0.1	Medium	0.67
Rocky shore - Moderate energy littoral rock	High	0.33	Medium	0.67
Rocky shore - Moderate energy littoral rock - on peat, clay or chalk	Very High	0.1	Medium	0.67
Sparsely vegetated land - Calaminarian grasslands	Very High	0.1	Medium	0.67
Sparsely vegetated land - Coastal sand dunes	Very High	0.1	Medium	0.67
Sparsely vegetated land - Coastal vegetated shingle	Very High	0.1	Medium	0.67
Sparsely vegetated land - Inland rock outcrop and scree habitats	High	0.33	Low	1
Sparsely vegetated land - Limestone pavement	Very High	0.1	Medium	0.67
Sparsely vegetated land - Maritime cliff and slopes	High	0.33	Medium	0.67
Sparsely vegetated land - Other inland rock and scree	Medium	0.67	Medium	0.67
Sparsely vegetated land - Ruderal/Ephemeral	Low	1	Medium	0.67
Sparsely vegetated land - Tall forbs	Low	1	Medium	0.67
Urban - Vacant or derelict land	Low	1	Low	1
Urban - Bare ground	Low	1	Low	1
Urban - Allotments	Low	1	Low	1
Urban - Artificial unvegetated, unsealed surface	Low	1	Low	1
Urban - Bioswale	Medium	0.67	Low	1
Urban - Intensive green roof	Low	1	Low	1
Urban - Built linear features	Low	1	Low	1
Urban - Cemeteries and churchyards	Medium	0.67	Low	1
Urban - Developed land; sealed surface	Low	1	Low	1
Urban - Other green roof	Low	1	Low	1
Urban - Facade-bound green wall	Medium	0.67	Medium	0.67
Urban - Ground based green wall	Medium	0.67	Medium	0.67
Urban - Ground level planters	Low	1	Low	1
Urban - Biodiverse green roof	Medium	0.67	Medium	0.67
Urban - Introduced shrub	Low	1	Low	1
Urban - Open mosaic habitats on previously developed land	Medium	0.67	Medium	0.67
Urban - Rain garden	Low	1	Low	1
Urban - Actively worked sand pit quarry or open cast mine	Medium	0.67	Low	1
Individual trees - Urban tree	Low	1	Low	1
Urban - Sustainable drainage system	Medium	0.67	Medium	0.67
Urban - Unvegetated garden	Low	1	Low	1
Urban - Vegetated garden	Low	1	Low	1
Wetland - Blanket bog	Very High	0.1	High	0.33
Wetland - Depressions on peat substrates (H7150)	Very High	0.1	High	0.33
Wetland - Fens (upland and lowland)	High	0.33	High	0.33
Wetland - Lowland raised bog	Very High	0.1	High	0.33
Wetland - Oceanic valley mire[1] (D2.1)	Very High	0.1	High	0.33
Wetland - Purple moor grass and rush pastures	High	0.33	High	0.33
Wetland - Reedbeds	Medium	0.67	Medium	0.67
Wetland - Transition mires and quaking bogs (H7140)	Very High	0.1	High	0.33
Woodland and forest - Felled	High	0.33	Low	1
Woodland and forest - Lowland beech and yew woodland	High	0.33	High	0.33
Woodland and forest - Lowland mixed deciduous woodland	High	0.33	High	0.33
Woodland and forest - Native pine woodlands	High	0.33	High	0.33
Woodland and forest - Other coniferous woodland	Low	1	Low	1
Woodland and forest - Other Scot's pine woodland	Medium	0.67	Medium	0.67
Woodland and forest - Other woodland; broadleaved	Low	1	Low	1
Woodland and forest - Other woodland; mixed	Low	1	Low	1
Woodland and forest - Upland birchwoods	Medium	0.67	Medium	0.67
Woodland and forest - Upland mixed ashwoods	High	0.33	High	0.33
Woodland and forest - Upland oakwood	High	0.33	High	0.33
Woodland and forest - Wet woodland	Medium	0.67	Medium	0.67
Woodland and forest - Wood-pasture and parkland	Very High	0.1	High	0.33
Intertidal sediment - Littoral sand	Medium	0.67	Medium	0.67
Intertidal sediment - Littoral muddy sand	High	0.33	Medium	0.67
Intertidal hard structures - Artificial hard structures	Medium	0.67	Medium	0.67
Intertidal hard structures - Artificial features of hard structures	Medium	0.67	Medium	0.67
Intertidal hard structures - Artificial hard structures with integrated greening of grey in	Medium	0.67	Medium	0.67
Coastal saltmarsh - Artificial saltmarshes and saline reedbeds	High	0.33	Medium	0.67
Intertidal sediment - Littoral biogenic reefs - Mussels	High	0.33	Medium	0.67
Intertidal sediment - Artificial littoral mud	High	0.33	Medium	0.67
Intertidal sediment - Artificial littoral sand	Medium	0.67	Medium	0.67
Watercourse footprint - Watercourse footprint	Low	1	Low	1
Individual trees - Rural tree	Low	1	Low	1

Spatial multipliers

Strategic Significance

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

Difficulty

Category	Value
Low	1
Medium	0.67
High	0.33
Very High	0.1

Spatial risk

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

Individual trees

Tree size	RPA Radius (m)	RPA (ha)
Small	3.6	0.0041
Medium	7.2	0.0163
Large	10.8	0.0366
Very large	15.6	0.0765

Return to start

Habitat Description	Creation						
	Good	Fairly Good	Moderate	Fairly Poor	Poor	Condition Assessment N/A	N/A - Other
Cropland - Arable field margins cultivated annually	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Cropland - Arable field margins game bird mix	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Cropland - Arable field margins pollen and nectar	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Cropland - Arable field margins tussocky	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Cropland - Cereal crops	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Cropland - Winter stubble	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Cropland - Horticulture	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Cropland - Intensive orchards	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Cropland - Non-cereal crops	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Cropland - Temporary grass and clover leys	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Grassland - Traditional orchards	30	25	20	10	5	Not Possible ▲	Not Possible ▲
Grassland - Bracken	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Grassland - Floodplain wetland mosaic and CFGM	20	15	10	8	5	Not Possible ▲	Not Possible ▲
Grassland - Lowland calcareous grassland	20	15	10	8	5	Not Possible ▲	Not Possible ▲
Grassland - Lowland dry acid grassland	30+	25	20	15	10	Not Possible ▲	Not Possible ▲
Grassland - Lowland meadows	15	12	10	8	5	Not Possible ▲	Not Possible ▲
Grassland - Modified grassland	7	5	4	2	1	Not Possible ▲	Not Possible ▲
Grassland - Other lowland acid grassland	15	12	10	5	1	Not Possible ▲	Not Possible ▲
Grassland - Other neutral grassland	10	7	5	3	2	Not Possible ▲	Not Possible ▲
Grassland - Tall herb communities (H6430)	30	25	20	15	10	Not Possible ▲	Not Possible ▲
Grassland - Upland acid grassland	15	12	10	5	1	Not Possible ▲	Not Possible ▲
Grassland - Upland calcareous grassland	25	20	15	12	10	Not Possible ▲	Not Possible ▲
Grassland - Upland hay meadows	20	18	15	12	10	Not Possible ▲	Not Possible ▲
Heathland and shrub - Blackthorn scrub	10	7	5	3	1	Not Possible ▲	Not Possible ▲
Heathland and shrub - Bramble scrub	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Heathland and shrub - Gorse scrub	10	7	5	3	1	Not Possible ▲	Not Possible ▲
Heathland and shrub - Hawthorn scrub	10	7	5	3	1	Not Possible ▲	Not Possible ▲
Heathland and shrub - Hazel scrub	15	12	10	7	5	Not Possible ▲	Not Possible ▲
Heathland and shrub - Willow scrub	15	12	10	7	5	Not Possible ▲	Not Possible ▲
Heathland and shrub - Lowland heathland	30+	25	20	15	10	Not Possible ▲	Not Possible ▲
Heathland and shrub - Mixed scrub	10	7	5	3	1	Not Possible ▲	Not Possible ▲
Heathland and shrub - Mountain heaths and willow scrub	30+	30+	25	23	15	Not Possible ▲	Not Possible ▲
Heathland and shrub - Rhododendron scrub	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Heathland and shrub - Dunes with sea buckthorn (H2160)	10	7	5	3	1	Not Possible ▲	Not Possible ▲
Heathland and shrub - Other sea buckthorn scrub	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Heathland and shrub - Upland heathland	30	25	20	15	10	Not Possible ▲	Not Possible ▲
Lakes - Aquifer fed naturally fluctuating water bodies	30	20	15	10	1	Not Possible ▲	Not Possible ▲
Lakes - High alkalinity lakes	30	20	10	7	5	Not Possible ▲	Not Possible ▲
Lakes - Low alkalinity lakes	30	20	10	7	5	Not Possible ▲	Not Possible ▲
Lakes - Marl lakes	30	20	10	7	5	Not Possible ▲	Not Possible ▲
Lakes - Moderate alkalinity lakes	30	20	10	7	5	Not Possible ▲	Not Possible ▲
Lakes - Peat lakes	30	20	10	7	5	Not Possible ▲	Not Possible ▲
Lakes - Ponds (priority habitat)	5	4	3	2	1	Not Possible ▲	Not Possible ▲
Lakes - Ponds (non-priority habitat)	5	4	3	2	1	Not Possible ▲	Not Possible ▲
Lakes - Reservoirs	10	7	5	3	1	Not Possible ▲	Not Possible ▲
Lakes - Temporary lakes ponds and pools (H3170)	5	4	3	2	1	Not Possible ▲	Not Possible ▲
Sparsely vegetated land - Calaminarian grasslands	10	7	5	3	2	Not Possible ▲	Not Possible ▲
Sparsely vegetated land - Coastal sand dunes	20	15	10	7	5	Not Possible ▲	Not Possible ▲
Sparsely vegetated land - Coastal vegetated shingle	20	15	10	7	5	Not Possible ▲	Not Possible ▲
Sparsely vegetated land - Ruderal/Ephemeral	5	4	3	2	1	Not Possible ▲	Not Possible ▲
Sparsely vegetated land - Tall forbs	5	4	3	2	1	Not Possible ▲	Not Possible ▲
Sparsely vegetated land - Inland rock outcrop and scree habitats	30+	25	20	15	10	Not Possible ▲	Not Possible ▲
Sparsely vegetated land - Limestone pavement	30+	30+	30+	30+	30+	Not Possible ▲	Not Possible ▲
Sparsely vegetated land - Maritime cliff and slopes	20	15	10	7	5	Not Possible ▲	Not Possible ▲
Sparsely vegetated land - Other inland rock and scree	20	15	10	7	5	Not Possible ▲	Not Possible ▲
Urban - Allotments	1	1	1	1	1	Not Possible ▲	Not Possible ▲
Lakes - Ornamental lake or pond	5	4	3	2	1	Not Possible ▲	Not Possible ▲
Urban - Artificial unvegetated, unsealed surface	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	0
Urban - Bioswale	3	2	1	1	1	Not Possible ▲	Not Possible ▲
Urban - Intensive green roof	5	4	3	2	1	Not Possible ▲	Not Possible ▲
Urban - Built linear features	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	0
Urban - Cemeteries and churchyards	20	17	15	12	10	Not Possible ▲	Not Possible ▲
Urban - Developed land; sealed surface	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	0
Urban - Other green roof	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Urban - Facade-bound green wall	5	4	3	2	1	Not Possible ▲	Not Possible ▲
Urban - Ground based green wall	5	4	3	2	1	Not Possible ▲	Not Possible ▲
Urban - Ground level planters	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Urban - Biodiverse green roof	10	8	5	3	1	Not Possible ▲	Not Possible ▲

Urban - Introduced shrub	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Urban - Open mosaic habitats on previously developed land	10	7	4	2	0	Not Possible ▲	Not Possible ▲
Urban - Rain garden	5	4	3	2	1	Not Possible ▲	Not Possible ▲
Urban - Actively worked sand pit quarry or open cast mine	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Individual trees - Urban tree	30+	30+	27	19	10	Not Possible ▲	Not Possible ▲
Urban - Sustainable drainage system	5	4	3	2	1	Not Possible ▲	Not Possible ▲
Urban - Unvegetated garden	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	0
Urban - Vacant or derelict land	5	4	3	2	1	Not Possible ▲	Not Possible ▲
Urban - Bare ground	5	4	3	2	1	Not Possible ▲	Not Possible ▲
Urban - Vegetated garden	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Wetland - Blanket bog	30+	30+	30+	30+	30+	Not Possible ▲	Not Possible ▲
Wetland - Depressions on peat substrates (H7150)	30+	30+	30	25	15	Not Possible ▲	Not Possible ▲
Wetland - Fens (upland and lowland)	30	25	20	15	10	Not Possible ▲	Not Possible ▲
Wetland - Lowland raised bog	30+	30+	30	20	15	Not Possible ▲	Not Possible ▲
Wetland - Oceanic valley mire[1] (D2.1)	30+	30+	30	20	15	Not Possible ▲	Not Possible ▲
Wetland - Purple moor grass and rush pastures	30	25	20	15	10	Not Possible ▲	Not Possible ▲
Wetland - Reedbeds	12	10	7	5	3	Not Possible ▲	Not Possible ▲
Wetland - Transition mires and quaking bogs (H7140)	30+	30+	30	25	15	Not Possible ▲	Not Possible ▲
Woodland and forest - Felled	30+	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲
Woodland and forest - Lowland beech and yew woodland	30+	30+	30+	25	10	Not Possible ▲	Not Possible ▲
Woodland and forest - Lowland mixed deciduous woodland	30+	30+	30+	25	10	Not Possible ▲	Not Possible ▲
Woodland and forest - Native pine woodlands	30+	30+	30+	25	10	Not Possible ▲	Not Possible ▲
Woodland and forest - Other coniferous woodland	30+	30+	30	10	5	Not Possible ▲	Not Possible ▲
Woodland and forest - Other Scot's pine woodland	30+	30+	30+	25	10	Not Possible ▲	Not Possible ▲
Woodland and forest - Other woodland; broadleaved	30+	25	15	7	5	Not Possible ▲	Not Possible ▲
Woodland and forest - Other woodland; mixed	30+	30+	30	10	5	Not Possible ▲	Not Possible ▲
Woodland and forest - Upland birchwoods	30+	30	25	20	10	Not Possible ▲	Not Possible ▲
Woodland and forest - Upland mixed ashwoods	30+	30+	30+	25	10	Not Possible ▲	Not Possible ▲
Woodland and forest - Upland oakwood	30+	30+	30+	25	10	Not Possible ▲	Not Possible ▲
Woodland and forest - Wet woodland	30+	30	15	10	5	Not Possible ▲	Not Possible ▲
Woodland and forest - Wood-pasture and parkland	30+	30+	30+	25	10	Not Possible ▲	Not Possible ▲
Coastal lagoons - Coastal lagoons	10	8	5	3	1	Not Possible ▲	Not Possible ▲
Rocky shore - High energy littoral rock	10	7	4	2	1	Not Possible ▲	Not Possible ▲
Rocky shore - High energy littoral rock - on peat, clay or chalk	30+	30+	30+	30+	30+	Not Possible ▲	Not Possible ▲
Rocky shore - Moderate energy littoral rock	13	8	4	2	1	Not Possible ▲	Not Possible ▲
Rocky shore - Moderate energy littoral rock - on peat, clay or chalk	30+	30+	30+	30+	30+	Not Possible ▲	Not Possible ▲
Rocky shore - Low energy littoral rock	15	10	5	1	1	Not Possible ▲	Not Possible ▲
Rocky shore - Low energy littoral rock - on peat, clay or chalk	30+	30+	30+	30+	30+	Not Possible ▲	Not Possible ▲
Rocky shore - Features of littoral rock	13	8	4	2	1	Not Possible ▲	Not Possible ▲
Rocky shore - Features of littoral rock - on peat, clay or chalk	30+	30+	30+	30+	30+	Not Possible ▲	Not Possible ▲
Intertidal sediment - Littoral coarse sediment	3	2	1	1	1	Not Possible ▲	Not Possible ▲
Intertidal sediment - Littoral mud	6	4	3	2	1	Not Possible ▲	Not Possible ▲
Intertidal sediment - Littoral mixed sediments	5	4	3	2	1	Not Possible ▲	Not Possible ▲
Coastal saltmarsh - Saltmarshes and saline reedbeds	15	10	7	3	1	Not Possible ▲	Not Possible ▲
Coastal saltmarsh - Artificial saltmarshes and saline reedbeds	15	10	7	3	1	Not Possible ▲	Not Possible ▲
Intertidal sediment - Littoral seagrass	20	15	10	5	2	Not Possible ▲	Not Possible ▲
Intertidal sediment - Littoral seagrass on peat, clay or chalk	30+	30+	30+	30+	30+	Not Possible ▲	Not Possible ▲
Intertidal sediment - Littoral biogenic reefs - Mussels	15	10	5	3	3	Not Possible ▲	Not Possible ▲
Intertidal sediment - Littoral biogenic reefs - Sabellaria	15	10	5	3	3	Not Possible ▲	Not Possible ▲
Intertidal sediment - Features of littoral sediment	10	7	5	3	3	Not Possible ▲	Not Possible ▲
Intertidal sediment - Artificial littoral coarse sediment	3	2	1	1	1	Not Possible ▲	Not Possible ▲
Intertidal sediment - Artificial littoral mud	6	4	3	2	1	Not Possible ▲	Not Possible ▲
Intertidal sediment - Artificial littoral sand	4	2	1	1	1	Not Possible ▲	Not Possible ▲
Intertidal sediment - Artificial littoral muddy sand	5	4	3	2	1	Not Possible ▲	Not Possible ▲
Intertidal sediment - Artificial littoral mixed sediments	5	4	3	2	1	Not Possible ▲	Not Possible ▲
Intertidal sediment - Artificial littoral seagrass	20	15	10	5	2	Not Possible ▲	Not Possible ▲
Intertidal sediment - Artificial littoral biogenic reefs	15	10	5	3	3	Not Possible ▲	Not Possible ▲
Intertidal sediment - Littoral sand	4	2	1	1	1	Not Possible ▲	Not Possible ▲
Intertidal sediment - Littoral muddy sand	5	4	3	2	1	Not Possible ▲	Not Possible ▲
Intertidal hard structures - Artificial hard structures	15	10	5	2	1	Not Possible ▲	Not Possible ▲
Intertidal hard structures - Artificial features of hard structures	13	8	4	2	1	Not Possible ▲	Not Possible ▲
Intertidal hard structures - Artificial hard structures with integrated greening of grey infrastructure (IC	13	8	4	2	1	Not Possible ▲	Not Possible ▲
Watercourse footprint - Watercourse footprint	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	0
Individual trees - Rural tree	30+	30+	27	19	10	Not Possible ▲	Not Possible ▲

Return to start

Start condition	Lower Distinctiveness Habitat	Lower Distinctiveness Habitat	Lower Distinctiveness Habitat	Lower Distinctiveness Habitat	Lower Distinctiveness Habitat	Lower Distinctiveness Habitat	Lower Distinctiveness Habitat	Condition Assessment N/A	Condition Assessment N/A	Condition Assessment N/A	Condition Assessment N/A	Poor	Poor	Poor	Poor	Fairly Poor	Fairly Poor	Fairly Poor	Moderate	Moderate	Fairly Good	Good
Target condition	N/A - Other	Condition Assessment N/A	Poor	Fairly Poor	Moderate	Fairly Good	Good	Fairly Poor	Moderate	Fairly Good	Good	Fairly Poor	Moderate	Fairly Good	Good	Moderate	Fairly Good	Good	Fairly Good	Good	Good	Good
Habitat	Lower Distinctiveness Habitat - N/A - Other	Lower Distinctiveness Habitat - Condition Assessment N/A	Lower Distinctiveness Habitat - Poor	Lower Distinctiveness Habitat - Fairly Poor	Lower Distinctiveness Habitat - Moderate	Lower Distinctiveness Habitat - Fairly Good	Lower Distinctiveness Habitat - Good	Condition Assessment N/A - Fairly Poor	Condition Assessment N/A - Moderate	Condition Assessment N/A - Fairly Good	Condition Assessment N/A - Good	Poor - Fairly Poor	Poor - Moderate	Poor - Fairly Good	Poor - Good	Fairly Poor - Moderate	Fairly Poor - Fairly Good	Fairly Poor - Good	Moderate - Fairly Good	Moderate - Good	Fairly Good - Good	Good - Good
Cropland - Arable field margins cultivated annually	Not Possible ▲	1	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲
Cropland - Arable field margins game bird mix	Not Possible ▲	1	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲
Cropland - Arable field margins pollen and nectar	Not Possible ▲	1	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲
Cropland - Arable field margins tussocky	Not Possible ▲	1	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲
Cropland - Cereal crops	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲
Cropland - Winter stubble	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲
Cropland - Horticulture	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲
Cropland - Intensive orchards	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲
Cropland - Non-cereal crops	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲
Cropland - Temporary grass and clover leys	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲
Grassland - Traditional orchards	Not Possible ▲	Not Possible ▲	5	10	20	25	30	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	5	15	20	25	10	15	20	5	10	5	Not Possible ▲
Grassland - Bracken	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲
Grassland - Floodplain wetland mosaic and CFGM	Not Possible ▲	Not Possible ▲	5	8	10	12	15	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	8	10	12	15	2	4	7	2	4	3	Not Possible ▲
Grassland - Lowland calcareous grassland	Not Possible ▲	Not Possible ▲	10	15	20	25	30	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	5	10	15	20	5	10	15	5	10	5	Not Possible ▲
Grassland - Lowland dry acid grassland	Not Possible ▲	Not Possible ▲	10	15	20	25	30+	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	5	15	20	30+	8	15	25	10	20	10	Not Possible ▲
Grassland - Lowland meadows	Not Possible ▲	Not Possible ▲	5	8	10	12	15	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	4	8	11	15	4	8	11	4	8	4	Not Possible ▲
Grassland - Modified grassland	Not Possible ▲	Not Possible ▲	1	5	10	12	15	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	5	10	12	15	8	10	12	8	10	8	Not Possible ▲
Grassland - Other lowland acid grassland	Not Possible ▲	Not Possible ▲	1	5	10	12	15	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	5	10	12	15	8	10	12	8	10	8	Not Possible ▲
Grassland - Other neutral grassland	Not Possible ▲	Not Possible ▲	1	5	10	12	15	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	5	10	12	15	8	10	12	8	10	8	Not Possible ▲
Grassland - Tall herb communities (H6430)	Not Possible ▲	Not Possible ▲	10	15	20	25	30	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	10	20	25	30	10	10	15	5	10	5	Not Possible ▲
Grassland - Upland acid grassland	Not Possible ▲	Not Possible ▲	1	5	10	12	15	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	5	10	12	15	8	10	12	8	10	8	Not Possible ▲
Grassland - Upland calcareous grassland	Not Possible ▲	Not Possible ▲	10	12	15	20	25	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	10	15	18	20	10	15	18	10	10	10	Not Possible ▲
Grassland - Upland hay meadows	Not Possible ▲	Not Possible ▲	10	12	15	18	20	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	10	15	18	20	10	15	18	10	15	10	Not Possible ▲
Heathland and shrub - Blackthorn scrub	Not Possible ▲	Not Possible ▲	1	3	5	7	10	1	5	7	10	1	5	7	10	3	5	7	2	3	2	Not Possible ▲
Heathland and shrub - Bramble scrub	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲
Heathland and shrub - Gorse scrub	Not Possible ▲	Not Possible ▲	1	3	5	7	10	1	5	7	10	1	5	7	10	3	5	7	2	3	2	Not Possible ▲
Heathland and shrub - Hawthorn scrub	Not Possible ▲	Not Possible ▲	1	3	5	7	10	1	5	7	10	1	5	7	10	3	5	7	2	3	2	Not Possible ▲
Heathland and shrub - Hazel scrub	Not Possible ▲	Not Possible ▲	5	7	10	12	15	5	7	12	15	5	7	12	15	5	8	12	5	7	5	Not Possible ▲
Heathland and shrub - Willow scrub	Not Possible ▲	Not Possible ▲	5	7	10	12	15	5	7	12	15	5	7	12	15	5	8	12	5	7	5	Not Possible ▲
Heathland and shrub - Lowland heathland	Not Possible ▲	Not Possible ▲	10	15	20	25	30+	5	10	15	25	5	10	15	25	5	10	20	5	15	10	Not Possible ▲
Heathland and shrub - Mixed scrub	Not Possible ▲	Not Possible ▲	1	3	5	7	10	1	5	7	10	1	5	7	10	3	5	7	2	3	2	Not Possible ▲
Heathland and shrub - Mountain heaths and willow scrub	Not Possible ▲	Not Possible ▲	15	23	25	30+	30+	20	30+	30+	30+	20	30+	30+	30+	20	30+	30+	20	30+	20	Not Possible ▲
Heathland and shrub - Rhododendron scrub	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲
Heathland and shrub - Dunes with sea buckthorn (H2160)	Not Possible ▲	Not Possible ▲	5	7	10	12	15	5	7	10	12	5	7	10	12	5	7	10	5	7	5	Not Possible ▲
Heathland and shrub - Other sea buckthorn scrub	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲
Heathland and shrub - Upland heathland	Not Possible ▲	Not Possible ▲	10	15	20	25	30	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	10	20	30	30+	10	20	30	10	20	10	Not Possible ▲
Lakes - Aquifer fed naturally fluctuating water bodies	Not Possible ▲	Not Possible ▲	1	10	15	20	30	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	5	10	15	30	5	15	25	5	20	5	Not Possible ▲
Lakes - High alkalinity lakes	Not Possible ▲	Not Possible ▲	2	3	5	7	10	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	5	10	15	30	5	15	25	10	20	10	Not Possible ▲
Lakes - Low alkalinity lakes	Not Possible ▲	Not Possible ▲	5	10	15	20	30	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	5	10	15	20	5	10	15	5	10	5	Not Possible ▲
Lakes - Marl lakes	Not Possible ▲	Not Possible ▲	5	7	10	15	20	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	5	10	15	30	5	15	25	10	20	10	Not Possible ▲
Lakes - Moderate alkalinity lakes	Not Possible ▲	Not Possible ▲	5	7	10	15	20	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	5	10	15	30	5	15	25	10	20	10	Not Possible ▲
Lakes - Peat lakes	Not Possible ▲	Not Possible ▲	5	10	15	20	30	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	5	10	15	30	5	15	25	10	20	10	Not Possible ▲
Lakes - Ponds (priority habitat)	Not Possible ▲	Not Possible ▲	2	3	5	7	10	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	2	4	6	8	2	4	6	2	4	2	Not Possible ▲
Lakes - Ponds (non-priority habitat)	Not Possible ▲	Not Possible ▲	1	2	3	4	5	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	2	4	6	8	2	4	6	2	4	2	Not Possible ▲
Lakes - Reservoirs	Not Possible ▲	Not Possible ▲	1	3	5	7	10	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	5	10	15	30	5	15	25	10	20	10	Not Possible ▲
Lakes - Temporary lakes ponds and pools (H3170)	Not Possible ▲	Not Possible ▲	2	3	5	7	10	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	2	4	6	8	2	4	6	2	4	2	Not Possible ▲
Sparsely vegetated land - Calaminarian grasslands	Not Possible ▲	Not Possible ▲	2	3	5	7	10	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	3	5	8	1	4	7	2	5	3	Not Possible ▲
Sparsely vegetated land - Coastal sand dunes	Not Possible ▲	Not Possible ▲	5	7	10	15	20	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	5	8	15	20	5	10	18	7	12	8	Not Possible ▲
Sparsely vegetated land - Coastal vegetated shingle	Not Possible ▲	Not Possible ▲	5	7	10	15	20	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	5	8	15	20	5	10	18	7	12	8	Not Possible ▲
Sparsely vegetated land - Ruderal/Ephemeral	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	2	3	5	1	2	3	1	2	1	Not Possible ▲
Sparsely vegetated land - Tall forbs	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	2	3	5	1	2	3	1	2	1	Not Possible ▲
Sparsely vegetated land - Inland rock outcrop and scree habitats	Not Possible ▲	Not Possible ▲	10	15	20	25	30+	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	10	20	25	30+	15	25	27	15	20	15	Not Possible ▲
Sparsely vegetated land - Limestone pavement	Not Possible ▲	Not Possible ▲	30+	30+	30+	30+	30+	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	5	10	15	20	5	10	15	5	10	5	Not Possible ▲
Sparsely vegetated land - Maritime cliff and slopes	Not Possible ▲	Not Possible ▲	10	15	20	25	30+	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	5	8	15	20	5	10	18	7	12	8	Not Possible ▲
Sparsely vegetated land - Other inland rock and scree	Not Possible ▲	Not Possible ▲	3	5	10	15	20	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	5	10	15	20	5	10	15	5	10	5	Not Possible ▲
Urban - Allotments	Not Possible ▲	Not Possible ▲	1	1	1	1	1	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	1	1	1	1	1	1	1	1	1	Not Possible ▲
Lakes - Ornamental lake or pond	Not Possible ▲	Not Possible ▲	1	2	3	4	5	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	2	4	6	8	2	4	6	2	4	2	Not Possible ▲
Urban - Artificial unvegetated, unsealed surface	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲
Urban - Bioswale	Not Possible ▲	Not Possible ▲	1	1	1	2	3	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	2	2	3	1	2	3	2	2	2	Not Possible ▲
Urban - Intensive green roof	Not Possible ▲	Not Possible ▲	1	2	3	4	5	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	2	3	5	1	2	3	1	2	1	Not Possible ▲
Urban - Built linear features	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲
Urban - Cemeteries and churchyards	Not Possible ▲	Not Possible ▲	10	12	15	17	20	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	5	10	15	20	10	15	20	10	15	5	Not Possible ▲
Urban - Developed land; sealed surface	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲
Urban - Other green roof	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲
Urban - Facade-bound green wall	Not Possible ▲	Not Possible ▲	1	2	3	4	5	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	2	3	5	1	2	3	1	2	1	Not Possible ▲
Urban - Ground based green wall	Not Possible ▲	Not Possible ▲	1	2	3	4	5	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	2	3	5	1	2	3	1	2	1	Not Possible ▲
Urban - Ground level planters	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲
Urban - Biodiverse green roof	Not Possible ▲	Not Possible ▲	1	3	5	8	10	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	3	5	8	10	3	8	8	3	5	2	Not Possible ▲

Urban - Introduced shrub	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲
Urban - Open mosaic habitats on previously developed land	Not Possible ▲	Not Possible ▲	0	2	4	7	10	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	2	4	7	10	2	5	8	3	4	3	Not Possible ▲
Urban - Rain garden	Not Possible ▲	Not Possible ▲	1	1	1	1	1	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	1	1	1	1	1	1	1	1	1	Not Possible ▲
Urban - Actively worked sand pit quarry or open cast mine	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲
Individual trees - Urban tree	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	8	16	24	30+	8	16	24	8	16	8	Not Possible ▲
Urban - Sustainable drainage system	Not Possible ▲	Not Possible ▲	1	2	3	4	5	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	2	3	5	1	2	3	1	2	1	Not Possible ▲
Urban - Unvegetated garden	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲
Urban - Vacant or derelict land	Not Possible ▲	Not Possible ▲	1	1	1	1	1	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	1	1	1	1	1	1	1	1	1	Not Possible ▲
Urban - Bare ground	Not Possible ▲	Not Possible ▲	1	1	1	1	1	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	1	1	1	1	1	1	1	1	1	Not Possible ▲
Urban - Vegetated garden	Not Possible ▲	Not Possible ▲	1	2	3	4	5	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	2	3	5	1	2	3	1	2	1	Not Possible ▲
Wetland - Blanket bog	Not Possible ▲	Not Possible ▲	15	25	30	30+	30+	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	10	20	30+	30+	10	30+	30+	30	30+	30	Not Possible ▲
Wetland - Depressions on peat substrates (H7150)	Not Possible ▲	Not Possible ▲	15	25	30	30+	30+	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	10	20	25	30	10	20	25	10	20	10	Not Possible ▲
Wetland - Fens (upland and lowland)	Not Possible ▲	Not Possible ▲	10	12	15	25	30	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	10	12	15	18	10	12	15	10	12	10	Not Possible ▲
Wetland - Lowland raised bog	Not Possible ▲	Not Possible ▲	15	20	30	30+	30+	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	10	20	25	30	10	20	20	10	15	10	Not Possible ▲
Wetland - Oceanic valley mire(1) (D2.1)	Not Possible ▲	Not Possible ▲	15	20	30	30+	30+	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	10	20	25	30	10	20	20	10	15	10	Not Possible ▲
Wetland - Purple moor grass and rush pastures	Not Possible ▲	Not Possible ▲	10	12	15	17	20	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	10	10	15	20	10	15	20	10	15	10	Not Possible ▲
Wetland - Reedbeds	Not Possible ▲	Not Possible ▲	5	7	10	12	15	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	5	7	10	12	5	7	10	5	7	5	Not Possible ▲
Wetland - Transition mires and quaking bogs (H7140)	Not Possible ▲	Not Possible ▲	15	25	30	30+	30+	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	10	20	25	30	10	20	20	10	15	10	Not Possible ▲
Woodland and forest - Felled	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲
Woodland and forest - Lowland beech and yew woodland	Not Possible ▲	Not Possible ▲	10	25	30+	30+	30+	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	25	30+	30+	30+	30+	30+	30+	30+	30+	30+	Not Possible ▲
Woodland and forest - Lowland mixed deciduous woodland	Not Possible ▲	Not Possible ▲	10	25	30+	30+	30+	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	10	20	25	30+	10	20	25	10	20	10	Not Possible ▲
Woodland and forest - Native pine woodlands	Not Possible ▲	Not Possible ▲	25	30	30+	30+	30+	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	10	15	20	30+	15	20	25	10	15	10	Not Possible ▲
Woodland and forest - Other coniferous woodland	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	5	25	30+	30+	20	30+	30+	30+	30+	30+	Not Possible ▲
Woodland and forest - Other Scot's pine woodland	Not Possible ▲	Not Possible ▲	20	25	30+	30+	30+	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	10	15	20	30+	15	20	25	10	15	10	Not Possible ▲
Woodland and forest - Other woodland; broadleaved	Not Possible ▲	Not Possible ▲	5	10	15	20	25	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	5	10	15	20	5	10	15	5	10	5	Not Possible ▲
Woodland and forest - Other woodland; mixed	Not Possible ▲	Not Possible ▲	5	10	15	20	25	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	5	10	15	20	5	10	15	5	10	5	Not Possible ▲
Woodland and forest - Upland birchwoods	Not Possible ▲	Not Possible ▲	10	20	25	30	30+	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	10	15	20	30+	15	20	25	10	15	10	Not Possible ▲
Woodland and forest - Upland mixed ashwoods	Not Possible ▲	Not Possible ▲	10	25	30+	30+	30+	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	10	15	20	30+	15	20	25	10	15	10	Not Possible ▲
Woodland and forest - Upland oakwood	Not Possible ▲	Not Possible ▲	10	25	30+	30+	30+	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	25	30+	30+	30+	30+	30+	30+	30+	30+	30+	Not Possible ▲
Woodland and forest - Wet woodland	Not Possible ▲	Not Possible ▲	10	20	25	30	30+	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	5	10	25	30+	5	20	30+	15	30+	30	Not Possible ▲
Woodland and forest - Wood-pasture and parkland	Not Possible ▲	Not Possible ▲	10	25	30+	30+	30+	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	25	30+	30+	30+	30+	30+	30+	30+	30+	30+	Not Possible ▲
Coastal lagoons - Coastal lagoons	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	4	8	12	3	7	11	4	8	4	Not Possible ▲
Rocky shore - High energy littoral rock	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	2	4	6	10	2	4	8	2	6	4	Not Possible ▲
Rocky shore - High energy littoral rock - on peat, clay or chalk	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	2	4	6	10	2	4	8	2	6	4	Not Possible ▲
Rocky shore - Moderate energy littoral rock	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	2	4	6	11	2	4	9	2	7	5	Not Possible ▲
Rocky shore - Moderate energy littoral rock - on peat, clay or chalk	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	2	4	6	11	2	4	9	2	7	5	Not Possible ▲
Rocky shore - Low energy littoral rock	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	2	4	6	12	2	4	10	2	8	6	Not Possible ▲
Rocky shore - Low energy littoral rock - on peat, clay or chalk	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	2	4	6	12	2	4	10	2	8	6	Not Possible ▲
Rocky shore - Features of littoral rock	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	2	4	6	11	2	4	9	2	7	5	Not Possible ▲
Rocky shore - Features of littoral rock - on peat, clay or chalk	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	2	4	6	11	2	4	9	2	7	5	Not Possible ▲
Intertidal sediment - Littoral coarse sediment	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	2	3	4	1	2	3	1	2	1	Not Possible ▲
Intertidal sediment - Littoral mud	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	2	4	6	8	2	4	6	2	4	2	Not Possible ▲
Intertidal sediment - Littoral mixed sediments	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	2	3	4	1	2	3	1	2	1	Not Possible ▲
Coastal saltmarsh - Saltmarshes and saline reedbeds	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	2	6	10	20	4	8	18	4	14	10	Not Possible ▲
Coastal saltmarsh - Artificial saltmarshes and saline reedbeds	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	2	6	10	20	4	8	18	4	14	10	Not Possible ▲
Intertidal sediment - Littoral seagrass	Not Possible ▲	Not Possible ▲	2	5	10	15	20	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	3	13	23	30+	10	20	30	10	20	10	Not Possible ▲
Intertidal sediment - Littoral seagrass on peat, clay or chalk	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	3	13	23	30+	10	20	30	10	20	10	Not Possible ▲
Intertidal sediment - Littoral biogenic reefs - Mussels	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	2	4	7	10	2	3	8	3	6	3	Not Possible ▲
Intertidal sediment - Littoral biogenic reefs - Sabellaria	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	2	4	7	10	2	3	8	3	6	3	Not Possible ▲
Intertidal sediment - Features of littoral sediment	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	2	3	5	1	2	4	1	3	2	Not Possible ▲
Intertidal sediment - Artificial littoral coarse sediment	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	2	3	4	1	2	3	1	2	1	Not Possible ▲
Intertidal sediment - Artificial littoral mud	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	2	4	6	8	2	4	6	2	4	2	Not Possible ▲
Intertidal sediment - Artificial littoral sand	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	2	3	4	6	1	2	4	1	3	2	Not Possible ▲
Intertidal sediment - Artificial littoral muddy sand	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	2	4	6	8	2	4	6	2	4	2	Not Possible ▲
Intertidal sediment - Artificial littoral mixed sediments	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	2	3	4	1	2	3	1	2	1	Not Possible ▲
Intertidal sediment - Artificial littoral seagrass	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	3	13	23	30+	10	20	30	10	20	10	Not Possible ▲
Intertidal sediment - Artificial littoral biogenic reefs	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	2	4	7	10	2	3	8	3	6	3	Not Possible ▲
Intertidal sediment - Littoral sand	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	2	3	4	6	1	2	4	1	3	2	Not Possible ▲
Intertidal sediment - Littoral muddy sand	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	2	4	6	8	2	4	6	2	4	2	Not Possible ▲
Intertidal hard structures - Artificial hard structures	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	2	4	6	12	2	4	10	2	8	6	Not Possible ▲
Intertidal hard structures - Artificial features of hard structures	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	2	4	6	11	2	4	9	2	7	5	Not Possible ▲
Intertidal hard structures - Artificial hard structures with integrated greening of grey infrastructure (IG	Not Possible ▲	Not Possible ▲	1	2	4	8	13	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	2	4	6	11	2	4	9	2	7	5	Not Possible ▲
Watercourse footprint - Watercourse footprint	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲
Individual trees - Rural tree	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	8	16	24	30+	8	16	24	8	16	8	Not Possible ▲

Return to start

Habitat Description	Distinctiveness		Creation - Years to Target Condition			Enhancement Through Condition - Years to Target Condition			Enhancement Through Distinctiveness - Years to Target Condition										Difficulty		Trading Rules
	Distinctiveness Category	Distinctiveness Score	Poor	Moderate	Good	Poor - Moderate	Poor - Good	Moderate - Good	Species-rich native hedgerow with trees - associated with bank or ditch	Species-rich native hedgerow with trees	Species-rich native hedgerow - associated with bank or ditch	Species-rich native hedgerow - associated with bank or ditch (associated with bank or ditch)	Species-rich native hedgerow	Native hedgerow with trees	Native hedgerow - associated with bank or ditch	Native hedgerow	Ecologically valuable line of trees	Ecologically valuable line of trees - associated with bank or ditch	Native hedgerow	Line of trees	Line of trees - associated with bank or ditch	Non-native and ornamental hedgerow	Technical Difficulty Creation	Technical Difficulty Enhancement	
Species-rich native hedgerow with trees - associated with bank or ditch	V.High	8	1	10	20	6	10	4	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Low	Low	Like for like
Species-rich native hedgerow with trees	High	6	1	10	20	6	10	4	5	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Low	Low	Like for like or better
Species-rich native hedgerow - associated with bank or ditch	High	6	1	5	12	3	5	2	10	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Low	Low	Like for like or better
Native hedgerow with trees - associated with bank or ditch	High	6	1	10	20	6	10	4	5	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Low	Low	Like for like or better
Species-rich native hedgerow	Medium	4	1	5	12	3	5	2	10	10	5	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Low	Low	Same distinctiveness band or better
Native hedgerow - associated with bank or ditch	Medium	4	1	5	12	3	5	2	10	Error ▲	5	10	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Low	Low	Same distinctiveness band or better
Native hedgerow with trees	Medium	4	1	10	20	6	10	4	5	5	5	5	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Low	Low	Same distinctiveness band or better
Ecologically valuable line of trees	Medium	4	5	20	30+	20	30	10	12	12	Error ▲	12	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Low	Low	Same distinctiveness band or better
Ecologically valuable line of trees - associated with bank or ditch	Medium	4	5	20	30+	20	30	10	12	Error ▲	Error ▲	12	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Low	Low	Same distinctiveness band or better
Native hedgerow	Low	2	1	5	12	3	5	2	10	10	5	10	5	6	10	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Low	Low	Same distinctiveness band or better
Line of trees	Low	2	5	20	30+	20	30	10	12	12	Error ▲	12	Error ▲	Error ▲	12	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Low	Low	Same distinctiveness band or better
Line of trees - associated with bank or ditch	Low	2	5	20	30+	20	30	10	12	Error ▲	Error ▲	12	Error ▲	Error ▲	12	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Low	Low	Same distinctiveness band or better
Non-native and ornamental hedgerow	V.Low	1	1	Not possible ▲	Not possible ▲	Not possible ▲	Not possible ▲	Not possible ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Error ▲	Low	Low	Same distinctiveness band or better

Condition	
Condition Category	Condition Score
Good	3
	2
Moderate	1
Poor	

Enhancement through Distinctiveness	Post Development Hedge Type												
Baseline Hedge Type	Species-rich native hedgerow with trees - associated with bank or ditch	Species-rich native hedgerow with trees	Species-rich native hedgerow - associated with bank or ditch	Native hedgerow with trees - associated with bank or ditch	Species-rich native hedgerow	Native hedgerow - associated with bank or ditch	Native hedgerow with trees	Ecologically valuable line of trees	Ecologically valuable line of trees - associated with bank or ditch	Native hedgerow	Line of trees	Line of trees - associated with bank or ditch	Non-native and ornamental hedgerow
Species-rich native hedgerow with trees - associated with bank or ditch	V.High - V.High	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲
Species-rich native hedgerow with trees	High - V.High	High - High	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲
Species-rich native hedgerow - associated with bank or ditch	High - V.High	Error - Enhancement not possible ▲	High - High	Error - Enhancement not possible ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲
Native hedgerow with trees - associated with bank or ditch	High - V.High	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	High - High	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲
Species-rich native hedgerow	Medium - V.High	Medium - High	Medium - High	Error - Enhancement not possible ▲	Medium - Medium	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲
Native hedgerow - associated with bank or ditch	Medium - V.High	Error - Enhancement not possible ▲	Medium - High	Medium - High	Error - Enhancement not possible ▲	Medium - Medium	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲
Native hedgerow with trees	Medium - V.High	Medium - High	Medium - High	Medium - High	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Medium - Medium	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲
Ecologically valuable line of trees	Medium - V.High	Medium - High	Error - Enhancement not possible ▲	Medium - High	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Medium - Medium	Medium - Medium	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲
Ecologically valuable line of trees - associated with bank or ditch	Medium - V.High	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Medium - High	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Medium - Medium	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲	Error Trading Down ▲
Native hedgerow	Low - V.High	Low - High	Low - High	Low - High	Low - Medium	Low - Medium	Low - Medium	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Low - Low	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Error Trading Down ▲
Line of trees	Low - V.High	Low - High	Error - Enhancement not possible ▲	Low - High	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Low - Medium	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Low - Low	Low - Low	Error Trading Down ▲
Line of trees - associated with bank or ditch	Low - V.High	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Low - High	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Low - Low	Error Trading Down ▲
Non-native and ornamental hedgerow	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	Error - Enhancement not possible ▲	V.Low - V.Low

Return to start

Habitat Description	Distinctiveness Category	Distinctiveness Score	Technical Difficulty Creation	Technical Difficulty Enhancement	Trading Rules	Good	Fairly Good	Moderate	Fairly Poor	Poor	Target Condition for All Habitats	
	Distinctiveness		Difficulty			Condition					Good	10
Priority habitat	V.High	8	High	Medium	Same habitat required – bespoke compensation option ⚠	3	2.5	2	1.5	1	Fairly Good	8
Other rivers and streams	High	6	High	Medium	Same habitat required =	3	2.5	2	1.5	1	Moderate	5
Ditches	Medium	4	Medium	Low	Same habitat required =	3	2.5	2	1.5	1	Fairly Poor	2
Canals	Medium	4	Medium	Low	Same habitat required =	3	2.5	2	1.5	1	Poor	1
Culvert	Low	2	Medium	N/A	Better distinctiveness habitat required	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1		

Enhancement - Years to Target Condition for All Habitats	
Enhancement through Distinctiveness	10

Enhancement - Years to Target Condition					
Baseline Condition	Proposed Condition				
	Poor	Fairly Poor	Moderate	Fairly Good	Good
Poor	1	2	4	6	8
Fairly Poor	N/A	1	2	4	6
Moderate	N/A	N/A	1	2	4
Fairly Good	N/A	N/A	N/A	1	2
Good	N/A	N/A	N/A	N/A	1

Encroachment	
Encroachment into Watercourse	multiplier
No Encroachment	1
Minor	0.8
Major	0.5
N/A - Culvert	0.68

Encroachment	
Riparian Encroachment for Both Banks	multiplier
Major/Major	0.75
Major/Moderate	0.8
Major/Minor	0.84
Major/No Encroachment	0.87
Moderate/ Moderate	0.85
Moderate/ Minor	0.9
Moderate/ No Encroachment	0.92
Minor/ Minor	0.95
Minor/ No Encroachment	0.98
No Encroachment/ No Encroachment	1
N/A - Culvert	1

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

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

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

Distinctiveness categories		
Distinctiveness Category	Distinctiveness Score	Suggested Action
V.High	8	Loss Unacceptable
High	6	Avoid
Medium	4	Avoid, Mitigate or Compensate
Low	2	Mitigate or Compensate

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Habitat Description	Condition						
	Good	Fairly Good	Moderate	Fairly Poor	Poor	Condition Assessment N/A	N/A - Other
Cropland - Arable field margins cultivated annually	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Cropland - Arable field margins game bird mix	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Cropland - Arable field margins pollen and nectar	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Cropland - Arable field margins tussocky	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Cropland - Cereal crops	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Cropland - Winter stubble	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Cropland - Horticulture	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Cropland - Intensive orchards	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Cropland - Non-cereal crops	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Cropland - Temporary grass and clover leys	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Grassland - Traditional orchards	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Grassland - Bracken	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Grassland - Floodplain wetland mosaic and CFGM	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Grassland - Lowland calcareous grassland	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Grassland - Lowland dry acid grassland	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Grassland - Lowland meadows	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Grassland - Modified grassland	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Grassland - Other lowland acid grassland	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Grassland - Other neutral grassland	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Grassland - Tall herb communities (H6430)	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Grassland - Upland acid grassland	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Grassland - Upland calcareous grassland	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Grassland - Upland hay meadows	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Heathland and shrub - Blackthorn scrub	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Heathland and shrub - Bramble scrub	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Heathland and shrub - Gorse scrub	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Heathland and shrub - Hawthorn scrub	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Heathland and shrub - Hazel scrub	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Heathland and shrub - Lowland heathland	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Heathland and shrub - Mixed scrub	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Heathland and shrub - Mountain heaths and willow scrub	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Heathland and shrub - Rhododendron scrub	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Heathland and shrub - Dunes with sea buckthorn (H2160)	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Heathland and shrub - Other sea buckthorn scrub	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Heathland and shrub - Willow scrub	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Heathland and shrub - Upland heathland	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Lakes - Aquifer fed naturally fluctuating water bodies	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Lakes - High alkalinity lakes	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Lakes - Low alkalinity lakes	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Lakes - Marl lakes	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Lakes - Moderate alkalinity lakes	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Lakes - Peat lakes	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Lakes - Ponds (priority habitat)	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Lakes - Ponds (non-priority habitat)	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Lakes - Reservoirs	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Lakes - Temporary lakes ponds and pools (H3170)	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Sparsely vegetated land - Calaminarian grasslands	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Sparsely vegetated land - Coastal sand dunes	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Sparsely vegetated land - Coastal vegetated shingle	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Sparsely vegetated land - Ruderal/Ephemeral	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Sparsely vegetated land - Tall forbs	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Sparsely vegetated land - Inland rock outcrop and scree habitats	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Sparsely vegetated land - Limestone pavement	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Sparsely vegetated land - Maritime cliff and slopes	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Sparsely vegetated land - Other inland rock and scree	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Urban - Allotments	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Lakes - Ornamental lake or pond	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Urban - Artificial unvegetated, unsealed surface	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	0
Urban - Bioswale	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Urban - Intensive green roof	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Urban - Built linear features	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	0
Urban - Cemeteries and churchyards	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Urban - Developed land; sealed surface	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	0
Urban - Other green roof	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Urban - Facade-bound green wall	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Urban - Ground based green wall	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Urban - Ground level planters	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Urban - Biodiverse green roof	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Urban - Introduced shrub	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Urban - Open mosaic habitats on previously developed land	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Urban - Rain garden	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Urban - Actively worked sand pit quarry or open cast mine	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Individual trees - Urban tree	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Urban - Sustainable drainage system	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Urban - Unvegetated garden	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	0
Urban - Vacant or derelict land	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Urban - Bare ground	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Urban - Vegetated garden	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	1	Not Possible ▲
Wetland - Blanket bog	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Wetland - Depressions on peat substrates (H7150)	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Wetland - Fens (upland and lowland)	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Wetland - Lowland raised bog	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Wetland - Oceanic valley mire[1] (D2.1)	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Wetland - Purple moor grass and rush pastures	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Wetland - Reedbeds	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲

Wetland - Transition mires and quaking bogs (H7140)	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Woodland and forest - Felled	3	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲
Woodland and forest - Lowland beech and yew woodland	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Woodland and forest - Lowland mixed deciduous woodland	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Woodland and forest - Native pine woodlands	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Woodland and forest - Other coniferous woodland	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Woodland and forest - Other Scot's pine woodland	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Woodland and forest - Other woodland; broadleaved	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Woodland and forest - Other woodland; mixed	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Woodland and forest - Upland birchwoods	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Woodland and forest - Upland mixed ashwoods	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Woodland and forest - Upland oakwood	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Woodland and forest - Wet woodland	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Woodland and forest - Wood-pasture and parkland	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Coastal lagoons - Coastal lagoons	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Rocky shore - High energy littoral rock	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Rocky shore - High energy littoral rock - on peat, clay or chalk	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Rocky shore - Moderate energy littoral rock	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Rocky shore - Moderate energy littoral rock - on peat, clay or chalk	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Rocky shore - Low energy littoral rock	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Rocky shore - Low energy littoral rock - on peat, clay or chalk	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Rocky shore - Features of littoral rock	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Rocky shore - Features of littoral rock - on peat, clay or chalk	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Intertidal sediment - Littoral coarse sediment	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Intertidal sediment - Littoral mud	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Intertidal sediment - Littoral mixed sediments	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Coastal saltmarsh - Saltmarshes and saline reedbeds	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Coastal saltmarsh - Artificial saltmarshes and saline reedbeds	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Intertidal sediment - Littoral seagrass	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Intertidal sediment - Littoral seagrass on peat, clay or chalk	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Intertidal sediment - Littoral biogenic reefs - Mussels	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Intertidal sediment - Littoral biogenic reefs - Sabellaria	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Intertidal sediment - Features of littoral sediment	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Intertidal sediment - Artificial littoral coarse sediment	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Intertidal sediment - Artificial littoral mud	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Intertidal sediment - Artificial littoral sand	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Intertidal sediment - Artificial littoral muddy sand	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Intertidal sediment - Artificial littoral mixed sediments	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Intertidal sediment - Artificial littoral seagrass	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Intertidal sediment - Artificial littoral biogenic reefs	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Intertidal sediment - Littoral sand	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Intertidal sediment - Littoral muddy sand	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Intertidal hard structures - Artificial hard structures	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Intertidal hard structures - Artificial features of hard structures	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Intertidal hard structures - Artificial hard structures with integrated greening of grey infrastructure (IGG	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲
Watercourse footprint - Watercourse footprint	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	Not Possible ▲	0
Individual trees - Rural tree	3	2.5	2	1.5	1	Not Possible ▲	Not Possible ▲

Version History

Version	Changes made	Date released
Version 1.0.0	Initial statutory version	29th November 2023
Version 1.0.1	Amended to fix an error in the irreplaceable habitats dropdown and minor changes to the working of the tool such as ensuring the rows auto populate correctly and cells adjust their height so error messages can be read	15th December 2023
Version 1.0.2	Updated to correct some labelling errors, minor formula errors and expand width of columns	12th February 2024
Version 1.0.3	Minor formatting errors corrected to ensure text is visible and flags appear correctly, version history sheet added.	23rd July 2024
Version 1.0.4	Tab names – Unit Shortfall changed to Credits Formula Correction in Tab D2 – Column V Formula Correction in Headline Results B19 and M7, correcting a typo in cell output Corrections to UKHab codes in tab G1 Amended habitat definitions and codes in tab G1 Corrections to cell references in tab G2 Minor Changes to the layout of Area Habitat Trading Summary Corrections to the Credits tiers of Littoral Sea Grass and Lowland Beech and YewMinor formatting corrections Change of 'Habitats' to 'Area Habitats' where appropriate Change to enhancement rules for IH 'Other Woodland' with changes to formula in columns T and U of A3 and D3	3rd July 2025

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👁 This tool is intended to be used for historic data. Any suggested translation between a phase 1 habitat and metric habitat should not be considered a rule - there may be circumstances where a more appropriate metric habitat may be chosen when ecological expertise is applied.

Phase 1 Habitat	Metric habitat	Distinctiveness band
Woodland	Woodland and forest - Other woodland; mixed	Medium
Broadleaved woodland	Woodland and forest - Other woodland; broadleaved	Medium
Semi-natural broadleaved woodland	Woodland and forest - Lowland mixed deciduous woodland	High
Plantation broadleaved woodland	Woodland and forest - Other woodland; broadleaved	Medium
Coniferous woodland	Woodland and forest - Other coniferous woodland	Low
Semi-natural coniferous woodland	Woodland and forest - Native pine woodlands	High
Plantation coniferous woodland	Woodland and forest - Other coniferous woodland	Low
Mixed woodland	Woodland and forest - Other woodland; mixed	Medium
Semi-natural mixed woodland	Woodland and forest - Lowland mixed deciduous woodland	High
Plantation mixed woodland	Woodland and forest - Other woodland; mixed	Medium
Scrub	Heathland and shrub - Mixed scrub	Medium
Dense / continuous scrub	Heathland and shrub - Mixed scrub	Medium
Scattered scrub	Heathland and shrub - Mixed scrub	Medium
Parkland / scattered trees	Woodland and forest - Wood-pasture and parkland	V.High
Broadleaved parkland / scattered trees	Woodland and forest - Wood-pasture and parkland	V.High
Coniferous parkland / scattered trees	Woodland and forest - Other coniferous woodland	Low
Mixed parkland / scattered trees	Woodland and forest - Wood-pasture and parkland	V.High
Scattered trees	Individual trees - Urban tree	Medium
Scattered trees	Individual trees - Rural tree	Medium
Recently-felled woodland	Woodland and forest - Felled	High
Broadleaved recently felled woodland	Woodland and forest - Felled	High
Coniferous recently felled woodland	Woodland and forest - Felled	High
Mixed recently felled woodland	Woodland and forest - Felled	High
Acid grassland	Grassland - Other lowland acid grassland	Medium
Acid grassland	Grassland - Upland acid grassland	Medium
Unimproved acid grassland	Grassland - Lowland dry acid grassland	V.High
Unimproved acid grassland	Grassland - Upland hay meadows	V.High
Semi-improved acid grassland (Good quality)	Grassland - Upland acid grassland	Medium
Semi-improved acid grassland (Good quality)	Grassland - Other lowland acid grassland	Medium
Semi-improved acid grassland (Poor quality)	Grassland - Modified grassland	Low
Neutral grassland	Grassland - Other neutral grassland	Medium
Unimproved neutral grassland	Grassland - Lowland meadows	V.High
Semi-improved neutral grassland (Good quality)	Grassland - Other neutral grassland	Medium
Semi-improved neutral grassland (Poor quality)	Grassland - Modified grassland	Low
Calcareous grassland	Grassland - Upland calcareous grassland	High
Calcareous grassland	Grassland - Lowland calcareous grassland	High
Unimproved calcareous grassland	Grassland - Lowland calcareous grassland	High
Unimproved calcareous grassland	Grassland - Upland calcareous grassland	High
Semi-improved calcareous grassland (Good quality)	Grassland - Upland calcareous grassland	High
Semi-improved calcareous grassland (Good quality)	Grassland - Lowland calcareous grassland	High
Semi-improved calcareous grassland (Poor quality)	Grassland - Modified grassland	Low
Improved grassland	Grassland - Modified grassland	Low
Marsh/marshy grassland	Wetland - Purple moor grass and rush pastures	V.High
Marsh/marshy grassland	Grassland - Other neutral grassland	Medium
Marsh/marshy grassland	Grassland - Modified grassland	Low
Poor semi-improved grassland	Grassland - Modified grassland	Low
Strandline vegetation coastland	Sparsely vegetated land - Coastal vegetated shingle	High
Sand dune	Sparsely vegetated land - Coastal sand dunes	High
Dune slack sand dune coastland	Sparsely vegetated land - Coastal sand dunes	High
Dune grassland sand dune coastland	Sparsely vegetated land - Coastal sand dunes	High
Dune heath sand dune coastland	Sparsely vegetated land - Coastal sand dunes	High
Dune scrub sand dune coastland	Sparsely vegetated land - Coastal sand dunes	High
Open dune sand dune coastland	Sparsely vegetated land - Coastal sand dunes	High
Maritime cliff coastland	Sparsely vegetated land - Maritime cliff and slopes	High
Hard maritime cliff coastland	Sparsely vegetated land - Maritime cliff and slopes	High
Soft maritime cliff	Sparsely vegetated land - Maritime cliff and slopes	High
Crevice/ledge vegetation	Sparsely vegetated land - Maritime cliff and slopes	High
Crevice/ledge vegetation	Grassland - Tall herb communities	High
Coastal grassland	Sparsely vegetated land - Maritime cliff and slopes	High
Coastal grassland	Grassland - Lowland meadows	V.High
Coastal grassland	Grassland - Lowland dry acid grassland	V.High
Coastal grassland	Grassland - Other lowland acid grassland	Medium
Coastal heathland	Sparsely vegetated land - Maritime cliff and slopes	High
Coastal heathland	Heathland and shrub - Lowland heathland	High
Standing open water	Lakes - Aquifer fed naturally fluctuating water bodies	V.High
Standing open water	Ditches	Medium
Standing open water	Lakes - High alkalinity lakes	High
Standing open water	Lakes - Low alkalinity lakes	High
Standing open water	Lakes - Marl lakes	High
Standing open water	Lakes - Moderate alkalinity lakes	High
Standing open water	Lakes - Peat Lakes	High
Standing open water	Lakes - Ponds (priority habitat)	High

Standing open water	Lakes - Ponds (non-priority habitat)	Medium
Standing open water	Lakes - Reservoirs	Medium
Standing open water	Lakes - Temporary lakes, ponds and pools	High
Dry dwarf shrub heath	Heathland and shrub - Lowland heathland	High
Dry dwarf shrub heath	Heathland and shrub - Upland heathland	High
Acidic dry dwarf shrub heath	Heathland and shrub - Lowland heathland	High
Acidic dry dwarf shrub heath	Heathland and shrub - Upland heathland	High
Basic dry dwarf shrub heath	Heathland and shrub - Lowland heathland	High
Basic dry dwarf shrub heath	Heathland and shrub - Upland heathland	High
Wet dwarf shrub heath	Heathland and shrub - Lowland heathland	High
Wet dwarf shrub heath	Heathland and shrub - Upland heathland	High
Lichen / bryophyte heath	Heathland and shrub - Lowland heathland	High
Lichen / bryophyte heath	Heathland and shrub - Upland heathland	High
Montane heath / dwarf herb	Heathland and shrub - Mountain heaths and willow scrub	V.High
Dry heath / acidic grass mosaic	Heathland and shrub - Lowland heathland	High
Wet heath / acidic grass mosaic	Heathland and shrub - Lowland heathland	High
Dry heath / acidic grass mosaic	Heathland and shrub - Upland heathland	High
Wet heath / acidic grass mosaic	Heathland and shrub - Upland heathland	High
Bracken	Grassland - Bracken	Low
Continuous bracken	Grassland - Bracken	Low
Scattered bracken	Grassland - Bracken	Low
Other tall herb or fern (Good quality)	Sparsely vegetated land - Inland rock outcrop and scree habitats	High
Other tall herb or fern	Grassland - Bracken	Low
Tall ruderal	Sparsely vegetated land - Ruderal/ephemeral	Low
Tall ruderal	Sparsely vegetated land - Tall forbs	Low
Non-ruderal	Sparsely vegetated land - Ruderal/ephemeral	Low
Bog	Wetland - Lowland raised bog	V.High
Sphagnum bog	Wetland - Lowland raised bog	V.High
Blanket bog	Wetland - Blanket bog	V.High
Raised bog	Wetland - Lowland raised bog	V.High
Wet modified bog	Wetland - Transition mires and quaking bogs (H7140)	V.High
Dry modified bog	Wetland - Blanket bog	V.High
Dry modified bog	Wetland - Lowland raised bog	V.High
Flush and spring	Wetland - Fens (upland and lowland)	V.High
Acid/neutral flush	Wetland - Fens (upland and lowland)	V.High
Basic flush	Wetland - Fens (upland and lowland)	V.High
Bryophyte-dominated spring	Wetland - Fens (upland and lowland)	V.High
Fen	Wetland - Fens (upland and lowland)	V.High
Valley mire	Wetland – Oceanic valley mire[1] (D2.1)	V.High
Basin mire	Wetland – Oceanic valley mire[1] (D2.1)	V.High
Floodplain mire	Wetland – Oceanic valley mire[1] (D2.1)	V.High
Bare peat	Wetland - Depressions on peat substrates (H7150)	V.High
Swamp	Wetland - Fens (upland and lowland)	V.High
Marginal and inundation	Wetland - Fens (upland and lowland)	V.High
Marginal and inundation	Wetland - Reedbeds	High
Marginal vegetation	Use the feature that it is within, i.e. River, Lake type etc.	
Inundation vegetation	Wetland - Reedbeds	High
Natural rock exposures and caves (Good quality)	Sparsely vegetated land - Inland rock outcrop and scree habitats	High
Natural rock exposures and caves	Sparsely vegetated land - Other inland rock and scree	Medium
Inland cliff (High quality)	Sparsely vegetated land - Inland rock outcrop and scree habitats	High
Inland cliff	Sparsely vegetated land - Other inland rock and scree	Medium
Acidic inland cliff	Sparsely vegetated land - Inland rock outcrop and scree habitats	High
Basic inland cliff	Sparsely vegetated land - Inland rock outcrop and scree habitats	High
Scree	Sparsely vegetated land - Inland rock outcrop and scree habitats	High
Acidic scree	Sparsely vegetated land - Inland rock outcrop and scree habitats	High
Basic scree	Sparsely vegetated land - Inland rock outcrop and scree habitats	High
Limestone pavement	Sparsely vegetated land - Limestone pavement	V.High
Other natural rock exposure	Sparsely vegetated land - Other inland rock and scree	Medium
Other acidic natural rock exposure	Sparsely vegetated land - Other inland rock and scree	Medium
Other basic rock exposure	Sparsely vegetated land - Other inland rock and scree	Medium
Artificial rock exposures	Sparsely vegetated land - Other inland rock and scree	Medium
Artificial rock exposures	Sparsely vegetated land - Other inland rock and scree	Medium
Artificial rock exposures	Sparsely vegetated land - Other inland rock and scree	Medium
Artificial rock exposures	Sparsely vegetated land - Other inland rock and scree	Medium
Artificial rock exposures	Sparsely vegetated land - Other inland rock and scree	Medium
Artificial rock exposures	Sparsely vegetated land - Other inland rock and scree	Medium
Quarry	Urban - Active sand pit quarry or open cast mine	Low
Spoil heap	Urban - Active sand pit quarry or open cast mine	Low
Mine	Urban - Active sand pit quarry or open cast mine	Low
Refuse tip	Urban - Artificial unvegetated, unsealed surface	V.Low
Cultivated/disturbed ground	Cropland - Cereal crops	Low
Arable	Select most appropriate habitat within the 'Cropland' broad habitat type	Low
Amenity grassland	Grassland - Modified grassland	Low
Ephemeral / short perennial	Sparsely vegetated land - Ruderal/ephemeral	Low
Introduced shrub	Urban - Introduced shrub	Low
Fence	Urban - Built linear features	V.Low
Wall	Urban - Built linear features	V.Low
Built-up areas	Urban - Developed land; sealed surface	V.Low
Caravans	Urban - Developed land; sealed surface	V.Low
Sea wall (artificial materials)	Urban - Developed land; sealed surface	V.Low
Buildings	Urban - Developed land; sealed surface	V.Low
Bare ground	Urban - Vacant or derelict land	Low
Bare ground	Urban - Bare ground	Low

The Statutory Biodiversity Metric Technical Data

Return to start page

All area habitats

Area habitat groups

Multipliers

Temporal multipliers

Enhancement temporal multipliers

Hedgerow data

Phase 1 - metric habitat translation tool

Watercourse data

Condition data

Credits calculations

Version history

Lists

Local Authority List
Adur and Worthing Borough Council
Adur District Council
Allerdale Borough Council
Amber Valley Borough Council
Arun District Council
Ashfield District Council
Ashford Borough Council
Aylesbury Vale District Council
Babergh District Council
Barnsley Metropolitan Borough Council
Barrow-in-Furness Borough Council
Basildon Borough Council
Basingstoke and Deane Borough Council
Bassetlaw District Council
Bath and North East Somerset Council
Bedford Borough Council
Birmingham City Council
Blaby District Council
Blackburn with Darwen Borough Council
Blackpool Borough Council
Blaenau Gwent County Borough Council
Bolsover District Council
Bolton Metropolitan Borough Council
Borough of Broxbourne
Borough of Poole
Boston Borough Council
Bournemouth Borough Council
Bracknell Forest Council
Bradford Metropolitan District Council
Braintree District Council
Breckland District Council
Brentwood Borough Council
Bridgend County Borough Council
Brighton and Hove City Council
Bristol City Council
Broadland District Council
Bromsgrove District Council
Broxtowe Borough Council
Buckinghamshire County Council
Burnley Borough Council
Bury Metropolitan Borough Council
Caerphilly County Borough Council
Calderdale Metropolitan Borough Council
Cambridge City Council
Cambridgeshire County Council
Cannock Chase District Council
Canterbury City Council
Cardiff Council
Carlisle City Council
Carmarthenshire County Council
Castle Point Borough Council
Central Bedfordshire Council
Ceredigion County Council
Charnwood Borough Council
Chelmsford City Council
Cheltenham Borough Council
Cherwell District Council
Cheshire East Council (Unitary)
Cheshire West and Chester Council
Chesterfield Borough Council
Chichester District Council
Chiltern District Council
Chorley Council
Christchurch Borough Council
City of Lincoln Council
City of London
City of York Council
Colchester Borough Council
Conwy County Borough Council
Copeland Borough Council
Corby Borough Council
Cornwall Council (Unitary)
Cotswold District Council
Coventry City Council
Craven District Council
Crawley Borough Council
Cumbria County Council
Dacorum Council
Darlington Borough Council
Dartford Borough Council
Daventry District Council
Denbighshire County Council
Derby City Council
Derbyshire County Council
Derbyshire Dales District Council
Devon County Council
Doncaster Metropolitan Borough Council
Dorset County Council
Dover District Council
Dudley Metropolitan Borough Council
Durham County Council
East Cambridgeshire District Council
East Devon District Council
East Dorset District Council
East Hampshire District Council
East Hertfordshire District Council

Application type
Householder planning consent
Full planning consent;
Hybrid planning consent
Outline planning consent
Reserved Matters
Listed building consent
Advertisement consent
Lawful Development Certificate (LDC)
Prior notification
Removal/variation of conditions
Approval of conditions
Consent under Tree Preservation Orders
Notification of proposed works to trees in conservation areas
Application for non-material amendments
Nationally Significant Infrastructure Habitats (NSIP'S)

Habitat list
Cropland - Arable field margins cultivated annually
Cropland - Arable field margins game bird mix
Cropland - Arable field margins pollen and nectar
Cropland - Arable field margins tussocky
Cropland - Cereal crops
Cropland - Winter stubble
Cropland - Horticulture
Cropland - Intensive orchards
Cropland - Non-cereal crops
Cropland - Temporary grass and clover leys
Grassland - Traditional orchards
Grassland - Bracken
Grassland - Floodplain wetland mosaic and CFGM
Grassland - Lowland calcareous grassland
Grassland - Lowland dry acid grassland
Grassland - Lowland meadows
Grassland - Modified grassland
Grassland - Other lowland acid grassland
Grassland - Other neutral grassland
Grassland - Tall herb communities (H6430)
Grassland - Upland acid grassland
Grassland - Upland calcareous grassland
Grassland - Upland hay meadows
Heathland and shrub - Blackthorn scrub
Heathland and shrub - Bramble scrub
Heathland and shrub - Gorse scrub
Heathland and shrub - Hawthorn scrub
Heathland and shrub - Hazel scrub
Heathland and shrub - Lowland heathland
Heathland and shrub - Mixed scrub
Heathland and shrub - Mountain heaths and willow scrub
Heathland and shrub - Rhododendron scrub
Heathland and shrub - Dunes with sea buckthorn (H2160)
Heathland and shrub - Other sea buckthorn scrub
Heathland and shrub - Upland heathland
Lakes - Aquifer fed naturally fluctuating water bodies
Lakes - High alkalinity lakes
Lakes - Low alkalinity lakes
Lakes - Marl lakes
Lakes - Moderate alkalinity lakes
Lakes - Peat lakes
Lakes - Ponds (priority habitat)
Lakes - Ponds (non-priority habitat)
Lakes - Reservoirs
Lakes - Temporary lakes ponds and pools (H3170)
Sparsely vegetated land - Calaminarian grasslands
Sparsely vegetated land - Coastal sand dunes
Sparsely vegetated land - Coastal vegetated shingle
Sparsely vegetated land - Ruderal/Ephemeral
Sparsely vegetated land - Inland rock outcrop and scree habitats
Sparsely vegetated land - Limestone pavement
Sparsely vegetated land - Maritime cliff and slopes
Sparsely vegetated land - Other inland rock and scree
Urban - Allotments
Lakes - Ornamental lake or pond
Urban - Artificial unvegetated, unsealed surface
Urban - Bioswale
Urban - Intensive green roof
Urban - Built linear features
Urban - Cemeteries and churchyards
Urban - Developed land; sealed surface
Urban - Other green roof
Urban - Facade-bound green wall
Urban - Ground based green wall
Urban - Ground level planters
Urban - Biodiverse green roof
Urban - Introduced shrub
Urban - Open mosaic habitats on previously developed land
Urban - Rain garden
Urban - Actively worked sand pit quarry or open cast mine
Individual trees - Urban tree
Urban - Sustainable drainage system
Urban - Unvegetated garden
Urban - Vacant or derelict land
Urban - Vegetated garden
Wetland - Blanket bog
Wetland - Depressions on peat substrates (H7150)
Wetland - Fens (upland and lowland)
Wetland - Lowland raised bog
Wetland - Oceanic valley mire[1] (D2.1)
Wetland - Purple moor grass and rush pastures
Wetland - Reedbeds
Wetland - Transition mires and quaking bogs (H7140)
Woodland and forest - Felled
Woodland and forest - Lowland beech and yew woodland
Woodland and forest - Lowland mixed deciduous woodland
Woodland and forest - Native pine woodlands
Woodland and forest - Other coniferous woodland
Woodland and forest - Other Scot's pine woodland
Woodland and forest - Other woodland; broadleaved
Woodland and forest - Other woodland; mixed
Woodland and forest - Upland birchwoods
Woodland and forest - Upland mixed ashwoods
Woodland and forest - Upland oakwood
Woodland and forest - Wet woodland
Woodland and forest - Wood-pasture and parkland

East Lindsey District Council	Coastal lagoons - Coastal lagoons
East Northamptonshire Council	Rocky shore - High energy littoral rock
East Riding of Yorkshire Council	Rocky shore - High energy littoral rock - on peat, clay or chalk
East Staffordshire Borough Council	Rocky shore - Moderate energy littoral rock
East Sussex County Council	Rocky shore - Moderate energy littoral rock - on peat, clay or chalk
Eastbourne Borough Council	Rocky shore - Low energy littoral rock
Eastleigh Borough Council	Rocky shore - Low energy littoral rock - on peat, clay or chalk
Eden District Council	Rocky shore - Features of littoral rock
Elmbridge Borough Council	Rocky shore - Features of littoral rock - on peat, clay or chalk
Epping Forest District Council	Intertidal sediment - Littoral coarse sediment
Epsom and Ewell Borough Council	Intertidal sediment - Littoral mud
Erewash Borough Council	Intertidal sediment - Littoral mixed sediments
Essex County Council	Coastal saltmarsh - Saltmarshes and saline reedbeds
Exeter City Council	Intertidal sediment - Littoral seagrass
Fareham Borough Council	Intertidal sediment - Littoral seagrass on peat, clay or chalk
Fenland District Council	Intertidal sediment - Littoral biogenic reefs - Sabellaria
Flintshire County Council	Intertidal sediment - Features of littoral sediment
Forest Heath District Council	Intertidal sediment - Artificial littoral coarse sediment
Forest of Dean District Council	Intertidal sediment - Artificial littoral muddy sand
Fylde Borough Council	Intertidal sediment - Artificial littoral mixed sediments
Gateshead Metropolitan Borough Council	Intertidal sediment - Artificial littoral seagrass
Gedling Borough Council	Intertidal sediment - Artificial littoral biogenic reefs
Gloucester City Council	Individual trees - Rural tree
Gloucestershire County Council	0
Gosport Borough Council	0
Gravesham Borough Council	0
Great Yarmouth Borough Council	0
Guildford Borough Council	0
Gwynedd County Council	0
Halton Borough Council	0
Hambleton District Council	0
Hampshire County Council	0
Harborough District Council	0
Harlow Council	0
Harrogate Borough Council	0
Hart District Council	0
Hartlepool Borough Council	0
Hastings Borough Council	0
Havant Borough Council	0
Herefordshire Council	0
Hertfordshire County Council	0
Hertsmere Borough Council	0
High Peak Borough Council	0
Hinckley and Bosworth Borough Council	
Horsham District Council	
Huntingdonshire District Council	
Hyndburn Borough Council	
Ipswich Borough Council	
Isle of Anglesey County Council	
Isle of Wight Council	
Isles of Scilly	
Kent County Council	
Kettering Borough Council	
King's Lynn and West Norfolk Borough Council	
Kingston-upon-Hull City Council	
Kirklees Council	
Knowsley Metropolitan Borough Council	
Lancashire County Council	
Lancaster City Council	
Leeds City Council	
Leicester City Council	
Leicestershire County Council	
Lewes District Council	
Lichfield District Council	
Lincolnshire County Council	
Liverpool City Council	
London Borough of Barking and Dagenham	
London Borough of Barnet	
London Borough of Bexley	
London Borough of Brent	
London Borough of Bromley	
London Borough of Camden	
London Borough of Croydon	
London Borough of Ealing	
London Borough of Enfield	
London Borough of Hackney	
London Borough of Hammersmith & Fulham	
London Borough of Haringey	
London Borough of Harrow	
London Borough of Havering	
London Borough of Hillingdon	
London Borough of Hounslow	
London Borough of Islington	
London Borough of Lambeth	
London Borough of Lewisham	
London Borough of Merton	
London Borough of Newham	
London Borough of Redbridge	
London Borough of Richmond upon Thames	
London Borough of Southwark	
London Borough of Sutton	
London Borough of Tower Hamlets	
London Borough of Waltham Forest	
London Borough of Wandsworth	
Luton Borough Council	
Maidstone Borough Council	
Maldon District Council	

Lists

Malvern Hills District Council
Manchester City Council
Mansfield District Council
Medway Council
Melton Borough Council
Mendip District Council
Merthyr Tydfil County Borough Council
Mid Devon District Council
Mid Suffolk District Council
Mid Sussex District Council
Middlesbrough Borough Council
Milton Keynes
Mole Valley District Council
Monmouthshire County Council
Neath Port Talbot County Borough Council
New Forest District Council
Newark and Sherwood District Council
Newcastle-Under-Lyme District Council
Newport City Council
Newcastle-upon-Tyne City Council
Norfolk County Council
North Devon Council
North Dorset District Council
North East Derbyshire District Council
North East Lincolnshire Council
North Hertfordshire District Council
North Kesteven District Council
North Lincolnshire Council
North Norfolk District Council
North Somerset Council
North Tyneside Metropolitan Borough Council
North Warwickshire Borough Council
North West Leicestershire District Council
North Yorkshire County Council
Northampton Borough Council
Northamptonshire County Council
Northumberland Council
Norwich City Council
Nottingham City Council
Nottinghamshire County Council
Nuneaton and Bedworth Borough Council
Oadby and Wigston District Council
Oldham Metropolitan Borough Council
Oxford City Council
Oxfordshire County Council
Pembrokeshire County Council
Pendle Borough Council
Perth and Kinross Council
Peterborough City Council
Plymouth City Council
Portsmouth City Council
Powys County Council
Preston City Council
Purbeck District Council
Reading Borough Council
Redcar and Cleveland Council
Redditch Borough Council
Reigate & Banstead Borough Council
Rhondda Cynon Taf County Borough Council
Ribble Valley Borough Council
Richmondshire District Council
Rochdale Metropolitan Borough Council
Rochford District Council
Rossendale Borough Council
Rother District Council
Rotherham Metropolitan Borough Council
Royal Borough of Greenwich
Royal Borough of Kensington and Chelsea
Royal Borough of Kingston upon Thames
Royal Borough of Windsor and Maidenhead
Rugby Borough Council
Runnymede Borough Council
Rushcliffe Borough Council
Rushmoor Borough Council
Rutland County Council
Ryedale District Council
Salford City Council
Sandwell Metropolitan Borough Council
Scarborough Borough Council
Sedgemoor District Council
Sefton Metropolitan Borough Council
Selby District Council
Sevenoaks District Council
Sheffield City Council
Shepway District Council
Shropshire Council - Unitary
Slough Borough Council
Solihull Metropolitan Borough Council
Somerset County Council
South Buckinghamshire District Council
South Cambridgeshire District Council
South Derbyshire District Council
South Gloucestershire Council
South Hams District Council
South Holland District Council
South Kesteven District Council
South Lakeland District Council

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South Norfolk District Council
South Northamptonshire Council
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South Somerset District Council
South Staffordshire Council
South Tyneside Council
Southampton City Council
Southend-on-Sea Borough Council
Spelthorne Borough Council
St Albans City and District Council
St Edmundsbury Borough Council
St Helens Metropolitan Borough Council
Stafford Borough Council
Staffordshire County Council
Staffordshire Moorlands District Council
Stevenage Borough Council
Stockport Metropolitan Borough Council
Stockton-on-Tees Borough Council
Stoke-on-Trent City Council
Strabane District Council
Stratford-on-Avon District Council
Stroud District Council
Suffolk Coastal District Council
Suffolk County Council
Sunderland City Council
Surrey County Council
Surrey Heath Borough Council
Swale Borough Council
Swansea City and Borough Council
Swindon Borough Council
Tameside Metropolitan Borough Council
Tamworth Borough Council
Tandridge District Council
Taunton Deane Borough Council
Teignbridge District Council
Telford & Wrekin Council
Tendring District Council
Test Valley Borough Council
Tewkesbury Borough Council
Thanet District Council
Three Rivers District Council
Thurrock Council
Tonbridge and Malling Borough Council
Torbay Council
Torfaen County Borough Council
Torridge District Council
Trafford Metropolitan Borough Council
Tunbridge Wells Borough Council
Uttlesford District Council
Vale of Glamorgan Council
Vale of White Horse District Council
Wakefield Metropolitan District Council
Walsall Metropolitan Borough Council
Warrington Borough Council
Warwick District Council
Warwickshire County Council
Watford Borough Council
Waveney District Council
Waverley Borough Council
Wealden District Council
Wellingborough Borough Council
Welwyn Hatfield Council
West Berkshire Council
West Devon Borough Council
West Dorset District Council
West Lancashire Borough Council
West Lindsey District Council
West Oxfordshire District Council
West Somerset District Council
West Sussex County Council
Westminster City Council
Weymouth and Portland Borough Council
Wigan Metropolitan Borough Council
Wiltshire Council
Winchester City Council
Wirral Council
Woking Borough Council
Wokingham Borough Council
Wolverhampton City Council
Worcester City Council
Worcestershire County Council
Wrexham County Borough Council
Wychavon District Council
Wycombe District Council
Wyre Council
Wyre Forest District Council

Appendix E Outline Habitat Management and Monitoring Plan

E.1 Introduction

E.1.1 This Outline Habitat Management and Monitoring Plan (HMMP) provides an overview of the Project's indicative significant on-site enhancements (see section E.2) and how these are proposed to be created/enhanced, managed and monitored for at least 30 years.

E.1.2 The Project is in southern Hampshire, with parts located in and extending from Havant to Otterbourne. The Project is described in ES Chapter 3 Description of the Proposed Development, Volume I (Document reference 6.1, DCO Volume 6) and the Order Limits are shown on ES Figure 1.1 Location of the Proposed Development and Order Limits, Volume III (Document reference 6.3, DCO Volume 6).

E.1.3 The HMMP will be updated by a suitably qualified ecologist and arboriculturist post-consent.

E.2 Biodiversity Net Gain – Significant on-site enhancements

E.2.1 As per the Defra Consultation on BNG for Nationally Significant Infrastructure Projects [2], all significant on-site enhancements must be maintained for at least 30 years from the completion of the habitat creation or enhancement works.

E.2.2 Significant on-site enhancements are areas of habitat creation or enhancement carried out for the purposes of the development that increase the biodiversity value of habitat by an amount that is significant in relation to its previous biodiversity value [3]. Retention of existing habitat does not count as a significant on-site enhancement. The Defra Consultation outlines that significant on-site enhancements could include but are not limited to:

1. The creation or enhancement of medium or higher distinctiveness habitats in the Statutory Biodiversity Metric
2. Habitat creation or enhancement where distinctiveness is increased relative to the distinctiveness of the previous habitat
3. Enhancements to habitat creation, for example from poor to moderate to good

E.2.3 Indicative significant on-site enhancements for the Project are all located within EMEAs as shown on the Works plans (Document reference 2.3, DCO Volume 2). An overview of the indicative significant on-site enhancements for the Project is outlined within Table E-1.

Table E-1 Indicative significant on-site enhancements for the Project

Environmental Mitigation and Enhancement Area	Baseline Habitat Type	Baseline Habitat Condition	Target Habitat Type	Target Habitat Condition	Years to target habitat type and condition	Created or Enhanced
IPS-E	Non-cereal crops	N/A	Lowland calcareous grassland	Moderate	10	Created
	Non-cereal crops	N/A	Other neutral grassland	Moderate	5	Created
	Non-cereal crops	N/A	Biodiverse green roof	Moderate	5	Created
	Non-cereal crops	N/A	Mixed scrub	Moderate	5	Created
	Non-cereal crops	N/A	Rural tree	Moderate	27	Created
EMEA_E_2	Cereal crops	N/A	Lowland calcareous grassland	Moderate	10	Created
EMEA_E_3	Other neutral grassland	Moderate	Other neutral grassland	Good	10	Enhanced
IPS-F	Cereal crops	N/A	Lowland mixed deciduous woodland	Moderate	30+	Created
	Cereal crops	N/A	Mixed scrub	Moderate	5	Created
	Cereal crops	N/A	Other neutral grassland	Moderate	5	Created
	Cereal crops	N/A	Species-rich native hedgerow	Moderate	5	Created
	Native hedgerow	Moderate	Species-rich native hedgerow	Moderate	5	Enhanced
EMEA_F_1	Line of trees	Moderate	Line of trees	Good	10	Enhanced
EMEA_F_1	Arable field margins tussocky	N/A	Lowland mixed deciduous woodland	Moderate	30+	Created
	Arable field margins tussocky	N/A	Mixed scrub	Moderate	5	Created
EMEA_G_1	Modified grassland	Good	Lowland mixed woodland	Moderate	30+	Created
	Modified grassland	Good	Mixed scrub	Moderate	5	Created
IPS-G	Temporary aner leys	N/A	Lowland mixed deciduous woodland	Moderate	30+	Created
	Temporary glass and clover leys	N/A	Other neutral grassland	Moderate	5	Created
	Temporary glass and clover leys	N/A	Mixed scrub	Moderate	5	Created

Environmental Mitigation and Enhancement Area	Baseline Habitat Type	Baseline Habitat Condition	Target Habitat Type	Target Habitat Condition	Years to target habitat type and condition	Created or Enhanced
	Temporary glass and clover leys	N/A	Rural tree	Moderate	27	Created
EMEA_J_1	Other neutral grassland	Moderate	Lowland mixed deciduous woodland	Moderate	30+	Created
	Other neutral grassland	Moderate	Mixed scrub	Moderate	5	Created
EMEA_J_2	Modified grassland	Poor	Lowland mixed deciduous woodland	Moderate	30+	Created
	Modified grassland	Poor	Mixed scrub	Moderate	5	Created
EMEA_J_4	Modified grassland	Poor	Lowland mixed deciduous woodland	Moderate	30+	Created
	Modified grassland	Poor	Mixed scrub	Moderate	5	Created
EMEA_J_5	Modified grassland	Poor	Lowland mixed deciduous woodland	Moderate	30+	Created
EMEA_K_2	Modified grassland	Good	Other neutral grassland	Moderate	5	Created
EMEA_K_3	Modified grassland	Poor	Other neutral grassland	Moderate	5	Created
	Modified grassland	Poor	Other neutral grassland	Moderate	10	Enhanced
EMEA_K_4	Modified grassland	Poor	Other neutral grassland	Moderate	5	Created
BPT-K	Modified grassland	Poor	Lowland mixed deciduous woodland	Moderate	30+	Created
	Modified grassland	Poor	Other neutral grassland	Moderate	5	Created
	Modified grassland	Poor	Mixed scrub	Moderate	5	Created
	Modified grassland	Poor	Species-rich native hedgerow	Moderate	5	Created
	Modified grassland	Poor	Ecologically valuable line of trees	Moderate	20	Created
EMEA_K_5	Modified grassland	Good	Other neutral grassland	Moderate	30+	Created
EMEA_L_1	Temporary grass and clover leys	N/A	Lowland mixed deciduous woodland	Moderate	30+	Created
EMEA_L_2	Modified grassland	Poor	Lowland mixed deciduous woodland	Moderate	30+	Created
	Modified grassland	Poor	Mixed scrub	Moderate	5	Created

Environmental Mitigation and Enhancement Area	Baseline Habitat Type	Baseline Habitat Condition	Target Habitat Type	Target Habitat Condition	Years to target habitat type and condition	Created or Enhanced
EMEA_L_3	Modified grassland	Poor	Lowland mixed deciduous woodland	Moderate	30+	Created
	Modified grassland	Poor	Mixed scrub	Moderate	5	Created
EMEA_L_4	Modified grassland	Poor	Other neutral grassland	Moderate	5	Created
	Modified grassland	Poor	Other neutral grassland	Good	10	Created
EMEA_L_5	Other neutral grassland	Poor	Other neutral grassland	Moderate	5	Created
	Other neutral grassland	Poor	Other neutral grassland	Good	15	Enhanced
EMEA_L_6	Modified grassland	Poor	Other neutral grassland	Moderate	5	Created
EMEA_L_7	Modified grassland	Poor	Wet woodland	Moderate	15	Created
	Modified grassland	Poor	Mixed scrub	Moderate	5	Created
EMEA_M_1	Coastal floodplain grazing marsh	Moderate	Coastal floodplain grazing marsh	Good	4	Enhanced
EMEA_M_2	Other woodland; broadleaved	Poor	Other woodland; broadleaved	Good	10	Enhanced
WRP	Not Applicable	High	Open mosaic habitats on previously developed land (roof of WRP)	Moderate	4	Created
	Mixed scrub	Good	Lowland mixed deciduous woodland	Moderate	30+	Created
	Mixed scrub	Good	Other woodland; broadleaved	Moderate	15	Created
	Other woodland; broadleaved	Moderate	Other woodland; broadleaved	Good	10	Enhanced

E.3 Biodiversity Net Gain – Habitat creation

E.3.1 As outlined within Table E-1 a variety of habitats could be created. Table E-2 outlines how such habitats would be created and managed for a minimum of 30 years.

E.3.2 The completed SBM for the Project and statutory condition assessment sheets have been used to inform the proposed habitat creation approaches. References to the biodiversity value of any habitat or habitat enhancement are to its value as calculated in accordance with the SBM.

Table E-2 Indicative habitat creation opportunities for the Project

Target Habitat		Other neutral grassland – created to moderate condition Lowland calcareous grassland – created to moderate condition	
Target condition requirements		**Passes 3 – 5 criteria, including essential criterion A**	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		**IPS_E, EMEA_E_2, IPS_F, IPS_G, EMEA_K_2, EMEA_K_3, EMEA_K_4, BPT_K, EMEA_K_5, EMEA_L_4, EMEA_L_5 and EMEA_L_6**	
Condition Assessment criteria	**Targeted**	**Creation Approach**	**Management Approach**
A) The parcel represents a good example of its habitat type, with a consistently high proportion of characteristic indicator species present relevant to the specific habitat type. Note – this criterion is essential for achieving moderate or good condition for non-acid grassland types.	Yes	A review of soil type and nutrient content will be undertaken post-consent to inform the method of soil preparation and final species mix. Use of a suitable grassland species seed mix which is well matched to EMEA soil type will ensure a sufficient diversity and the successful establishment of targeted species. Priority should be given to grass seed harvested from donor grassland sies where feasible and appropriate, to maintain continuity with existing grasslands.	A specific mowing regime developed post-consent will be implemented to ensure successful establishment and maintenance. In the first year of establishment the grassland to be cut in the months of May, June, July and August. Cuttings to be collected and removed. Once established, 20% of the grassland should be cut twice annually. Cuttings to be collected and removed.
B) Sward height is varied (at least 20% of the sward is less than 7cm and least 20% is more than 7cm) creating microclimates which provide opportunities for insects, birds and small mammals to live and breed.	Yes	A specific mowing regime will be implemented which ensures that specific sections of the grassland sward are left to grow to a taller sward height and others are mown to a shorter sward height.	Once established a review should be undertaken of the mowing regime to inform the need for further management or interventions.
C) Cover of bare ground between 1% and 5%, including localised areas, for example rabbit warrens.	No	Not applicable.	Not applicable.
D) Cover of bracken *Pteridium aquilinum* is less than 20% and cover of scrub (including bramble *Rubus fruticosus agg.*) is less than 5%.	Yes	Any bracken or scrub will be removed prior to grassland seeding.	Control of bracken/scrub to be undertaken on an annual basis via hand pulling and/or cutting.
E) Combined cover of species indicative of suboptimal condition and physical damage (such as excessive poaching, damage from machinery use or storage, damaging levels of access, or any other damaging management activities) accounts for less than 5% of total area.	Yes	Any INNS or species indicative of suboptimal conditions will be removed prior to grassland seeding. The removal of INNS will be undertaken under a specific	Annual inspection for control of undesirable species, as determined by the Ecologist, should be undertaken once a year.

Target Habitat		Other neutral grassland – created to moderate condition Lowland calcareous grassland – created to moderate condition	
Target condition requirements		Passes 3 – 5 criteria, including essential criterion A	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		IPS_E, EMEA_E_2, IPS_F, IPS_G, EMEA_K_2, EMEA_K_3, EMEA_K_4, BPT_K, EMEA_K_5, EMEA_L_4, EMEA_L_5 and EMEA_L_6	
Condition Assessment criteria	**Targeted**	**Creation Approach**	**Management Approach**
If any Invasive Non-Native Species (INNS) (as listed on Schedule 9 of the Wildlife and Countryside Act 1981) are present, this criterion is automatically failed.		management plan and by a specialised Contractor.	
F) There are ten or more vascular plant species per m^2 present, including forbs that are characteristic of the habitat type. Note – this criterion is essential for achieving good condition for non-acid grassland types.	No	Not applicable.	Not applicable.

Target Habitat		Other neutral grassland – created to good condition	
Target condition requirements		Passes 5 or 6 criteria, including essential criterion A and additional criterion F	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		EMEA_L_4	
Condition Assessment criteria	**Targeted**	**Creation Approach**	**Management Approach**
A) The parcel represents a good example of its habitat type, with a consistently high proportion of characteristic indicator species present relevant to the specific habitat type. Note – this criterion is essential for achieving moderate or good condition for non-acid grassland types.	Yes	A review of soil type and nutrient content will be undertaken post-consent to inform the method of soil preparation and final species mix. Use of a suitable grassland species seed mix which is well matched to EMEA soil type will ensure a sufficient diversity and the successful establishment of targeted species. Priority should be given to grass seed harvested from donor grassland sies	A specific mowing regime developed post-consent will be implemented to ensure successful establishment and maintenance. In the first year of establishment the grassland to be cut in the months of May, June, July and August. Cuttings to be collected and removed.

Target Habitat		Other neutral grassland – created to good condition	
Target condition requirements		Passes 5 or 6 criteria, including essential criterion A and additional criterion F	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		EMEA_L_4	
Condition Assessment criteria	Targeted	Creation Approach	Management Approach
		where feasible and appropriate, to maintain continuity with existing grasslands.	Once established, 20% of the grassland should be cut twice annually. Cuttings to be collected and removed.
B) Sward height is varied (at least 20% of the sward is less than 7cm and least 20% is more than 7cm) creating microclimates which provide opportunities for insects, birds and small mammals to live and breed.	Yes	A specific mowing regime will be implemented which ensures that specific sections of the grassland sward are left to grow to a taller sward height and other sections are mown to a shorter sward height.	Once established a review should be undertaken of the mowing regime to inform the need for further management or interventions.
C) Cover of bare ground between 1% and 5%, including localised areas, for example rabbit warrens.	No	Not applicable.	Not applicable.
D) Cover of bracken *Pteridium aquilinum* is less than 20% and cover of scrub (including bramble *Rubus fruticosus agg.*) is less than 5%.	Yes	Any bracken or scrub will be removed prior to grassland seeding.	Control of bracken/scrub to be undertaken on an annual basis via hand pulling and/or cutting.
E) Combined cover of species indicative of suboptimal condition and physical damage (such as excessive poaching, damage from machinery use or storage, damaging levels of access, or any other damaging management activities) accounts for less than 5% of total area. If any INNS (as listed on Schedule 9 of the Wildlife and Countryside Act 1981) are present, this criterion is automatically failed.	Yes	Any INNS or species indicative of suboptimal conditions will be removed prior to grassland seeding. The removal of INNS will be undertaken under a specific management plan and by a specialised Contractor.	Annual inspection for control of undesirable species, as determined by the Ecologist, should be undertaken once a year.
F) There are ten or more vascular plant species per m^2 present, including forbs that are characteristic of the habitat type. Note – this criterion is essential for achieving good condition for non-acid grassland types.	Yes	A review of soil type and nutrient content will be undertaken post-consent to inform the method of soil preparation and final species mix. Use of a suitable grassland species seed mix which is well matched to EMEA soil type will ensure a sufficient diversity and the successful establishment of targeted species. Priority should be given to grass	A specific mowing regime developed post-consent will be implemented to ensure successful establishment and maintenance. In the first year of establishment the grassland to be cut in the months of May, June, July and August. Cuttings to be collected and removed.

Target Habitat		Other neutral grassland – created to good condition	
Target condition requirements		Passes 5 or 6 criteria, including essential criterion A and additional criterion F	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		EMEA_L_4	
Condition Assessment criteria	**Targeted**	**Creation Approach**	**Management Approach**
		seed harvested from donor grassland sies where feasible and appropriate, to maintain continuity with existing grasslands.	Once established, 20% of the grassland should be cut twice annually. Cuttings to be collected and removed. Mowing regime to be adapted if fewer than 10 vascular plant species per m^2.

Target Habitat		Lowland mixed deciduous woodland – created to moderate condition Wet woodland – created to moderate condition Other woodland; broadleaved – created to moderate condition	
Target condition requirements		Total condition assessment score of between 26-32	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		IPS_F, EMEA_F_2, EMEA_G_1, IPS_G, EMEA_J_1, EMEA_J_2, EMEA_J_4, EMEA_J_5, BPT_K, EMEA_L_1, EMEA_L_2, EMEA_ L_3, EMEA_L_7 and WRP	
Condition Assessment criteria	**Targeted**	**Creation Approach**	**Management Approach**
A) Age distribution of trees • Three age classes present • Two age classes present • One age class present	Two age classes present.	The majority of trees will be nursery transplants, ranging from 40cm to 60cm and 60cm to 80cm in height. These smaller trees will establish better than larger plants as their root system adapts to their surrounding conditions as they grow. Approximately 20% of the planting mix will consist of larger feathered trees, ranging from 150cm to 175cm and 200cm to 250cm in height depending on the species.	Annual Inspections will be carried out by the Ecologist to ensure newly planted trees are establishing successfully. Management to be adapted if tree establishment is not successful.

Target Habitat		Lowland mixed deciduous woodland – created to moderate condition Wet woodland – created to moderate condition Other woodland; broadleaved – created to moderate condition	
Target condition requirements		**Total condition assessment score of between 26-32**	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		**IPS_F, EMEA_F_2, EMEA_G_1, IPS_G, EMEA_J_1, EMEA_J_2, EMEA_J_4, EMEA_J_5, BPT_K, EMEA_L_1, EMEA_L_2, EMEA_ L_3, EMEA_L_7 and WRP**	
Condition Assessment criteria	**Targeted**	**Creation Approach**	**Management Approach**
B) Wild, domestic and feral herbivore damage • No significant browsing damage evident in woodland • Evidence of significant browsing pressure is present in 40% or less of whole woodland • Evidence of significant browsing pressure is present in 40% or more of whole woodland	No significant browsing damage evident in woodland.	All transplants will be notch planted in cultivated ground and protected by biodegradable plant guards with appropriate support during establishment.	If after establishment phase trees still require guards, the Ecologist to continue to inspect them bi-annually with necessary repairs, replacements adjustments and/or re-firming undertaken during the inspection. If the plant has rooted successfully and does not require further protection, then those elements to be removed. Implement management techniques (e.g. deer fencing) if herbivore damage becomes significant within woodland. Annual inspections by the Ecologist to inspect woodlands for signs of wild, domestic and feral herbivore damage.
C) Invasive plant species • No invasive species present in woodland • Rhododendron *Rhododendrion ponticum* or cherry laurel *Prunus laurocerasus* not present, other invasive species <10% cover	No invasive species present in woodland.	Any invasive plant species to be removed prior to woodland planting. The removal of invasive plant species will be undertaken under a specific management plan and by a specialised Contractor.	Annual inspection for control of undesirable species, as determined by the Ecologist, should be undertaken once a year.

Target Habitat		Lowland mixed deciduous woodland – created to moderate condition Wet woodland – created to moderate condition Other woodland; broadleaved – created to moderate condition	
Target condition requirements		**Total condition assessment score of between 26-32**	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		**IPS_F, EMEA_F_2, EMEA_G_1, IPS_G, EMEA_J_1, EMEA_J_2, EMEA_J_4, EMEA_J_5, BPT_K, EMEA_L_1, EMEA_L_2, EMEA_ L_3, EMEA_L_7 and WRP**	
Condition Assessment criteria	**Targeted**	**Creation Approach**	**Management Approach**
• Rhododendron or laurel present, or other invasive species >10% cover			
D) Number of native tree species • Five or more native tree or shrub species found across woodland parcel • Three to four native tree or shrub species found across woodland parcel • Two or less native tree or shrub species present across woodland parcel	Three to four native tree or shrub species found across woodland parcel.	Three to four native tree/shrub species will be used to create the woodland habitat.	Annual inspections will be carried out to ensure newly planted trees are establishing successfully. Management to be adapted if specific tree species are not establishing successfully.
E) Cover of native tree and shrub species • >80% of canopy trees and >80% of understorey shrubs are native • 50-80% of canopy trees and 50-80% of understorey shrubs are native • <50% of canopy trees and <50% understorey shrubs are native	50-80% of canopy trees and 50-80% of understorey shrubs are native.	50-80% of canopy trees and 50-80% of understorey shrubs will be native species.	Annual inspections will be carried out by the Ecologist to ensure non-native trees and shrubs are not colonising the woodland. Management to be adapted if specific non-native tree and shrub species start to dominate the woodland.
F) Open space within woodland • 10-20% of woodland has areas of temporary open space (unless woodland <10ha in which case 0-20% temporary open space is permitted) • 21-40% of woodland has areas of temporary open space • <10% or >40% of woodland has areas of temporary open space (if woodland <10ha has	10-20% of woodland has areas of temporary open space (unless woodland <10ha in which case 0-20% temporary open space is permitted).	Integrating areas of open ground such as glades and rides that have no mature trees will ensure that light reaches the understorey and ground layers.	Rises and glades should be maintained to increase diversity. Maintain small, open areas to allow the ground flora to colonise.

Target Habitat		Lowland mixed deciduous woodland – created to moderate condition Wet woodland – created to moderate condition Other woodland; broadleaved – created to moderate condition	
Target condition requirements		**Total condition assessment score of between 26-32**	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		**IPS_F, EMEA_F_2, EMEA_G_1, IPS_G, EMEA_J_1, EMEA_J_2, EMEA_J_4, EMEA_J_5, BPT_K, EMEA_L_1, EMEA_L_2, EMEA_ L_3, EMEA_L_7 and WRP**	
Condition Assessment criteria	**Targeted**	**Creation Approach**	**Management Approach**
<10% temporary open space, please see first bullet point)			
G) Woodland regeneration • All three classes present in woodland; trees 4-7cm in diameter at breast height, saplings and seedlings or advanced coppice regrowth • One of two classes only present in woodland • No classes or coppice regrowth present in woodland	Not applicable.	Not applicable.	Not applicable.
H) Tree health • Tree mortality less than 10%, no pests or diseases and no crown dieback • 11% to 25% mortality and/or crown dieback or low risk pest or disease present • Greater than 25% tree mortality and or any high risk pest or disease present	Tree mortality less than 10%, no pests or diseases and no crown dieback.	Given the prevalence of ash dieback and Dutch elm disease, a mixture of broadleaved species will be planted in their place to ensure successful establishment and maintenance.	Plants shall be inspected annually for dead or diseased branches. Where disease or fungus is identified agree management measures with the Ecologist or an Arboriculturist. Diseased branches should be disposed of appropriately, as recommended by Ecologist or an Arboriculturist.
I) Vegetation and ground flora • Recognisable National Vegetation Classification (NVC) plant community at ground layer present, strongly characterised by ancient woodland flora specialists • Recognisable NVC plant community at ground layer present	Recognisable NVC plant community at ground layer present, strongly characterised by ancient woodland flora specialists.	W8 NVC community (specifically subcommunities W8b, W8d, and W8e) and the W10 NVC community (specifically subcommunities W10c and W10d) will be targeted for creation.	Annual Inspections will be carried out to ensure NVC plant communities are establishing successfully. Management to be adapted if NVC plant community is

Target Habitat		Lowland mixed deciduous woodland – created to moderate condition Wet woodland – created to moderate condition Other woodland; broadleaved – created to moderate condition	
Target condition requirements		**Total condition assessment score of between 26-32**	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		**IPS_F, EMEA_F_2, EMEA_G_1, IPS_G, EMEA_J_1, EMEA_J_2, EMEA_J_4, EMEA_J_5, BPT_K, EMEA_L_1, EMEA_L_2, EMEA_ L_3, EMEA_L_7 and WRP**	
Condition Assessment criteria	**Targeted**	**Creation Approach**	**Management Approach**
• No recognisable NVC plant community at ground layer present			not establishing successfully.
J) Woodand vertical structure • Three or more storeys across all survey plots or a complex woodland • Two storeys across all survey plots • One or less storey across all survey plots	Three or more storeys across all survey plots or a complex woodland.	Three or more storeys will be created within each newly created woodland.	Once established, thinning and felling of selected woodland trees shall provide opportunities for a diverse woodland structure to develop. A mixed age class across the species with reduced canopy cover will create light for the field layer to develop. Drastic interventions which cause abrupt changes in light regimes shall be avoided. All arisings shall be removed from site unless otherwise agreed with the Ecologist.
K) Veteran trees • Two or more veteran per hectare • One veteran tree per hectare • No veteran trees present in woodland	Not applicable.	Not applicable.	Not applicable.
L) Amount of deadwood • 50% of all survey plots within the woodland parcel have deadwood, such as standing dead wood, large dead branches and or steams, stubs and stumps or an abundance of small cavities	Between 25% and 50% of all survey plots within the woodland parcel have deadwood, such as standing deadwood, large dead branches and or steams,	Both standing and fallen deadwood will be retained to provide suitable habitat for invertebrates and fungi.	Standing and fallen deadwood to be left in situ wherever possible to provide valuable habitat for invertebrates and fungi.

Target Habitat		Lowland mixed deciduous woodland – created to moderate condition Wet woodland – created to moderate condition Other woodland; broadleaved – created to moderate condition	
Target condition requirements		**Total condition assessment score of between 26-32**	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		**IPS_F, EMEA_F_2, EMEA_G_1, IPS_G, EMEA_J_1, EMEA_J_2, EMEA_J_4, EMEA_J_5, BPT_K, EMEA_L_1, EMEA_L_2, EMEA_ L_3, EMEA_L_7 and WRP**	
Condition Assessment criteria	**Targeted**	**Creation Approach**	**Management Approach**
• Between 25% and 50% of all survey plots within the woodland parcel have deadwood, such as standing deadwood, large dead branches and or steams, stubs and stumps or an abundance of small cavities • Less than 25% of all survey plots within the woodland parcel have deadwood, such as standing deadwood, large dead branches and or steams, stubs and stamp or an abundance of small cavities	stubs and stumps or an abundance of small cavities.		
M) Woodland disturbance • No nutrient enrichment or damaged ground evident • Less than one hectare in total of nutrient enrichment across woodland area and or less than 20% of woodland area has damaged ground • More than one hectare of nutrient enrichment and or more than 20% of woodland area has damaged ground	No nutrient enrichment or damaged ground evident.	Contractor to follow principles in the Outline CEMP to ensure construction activities related with woodland creation avoid nutrient enrichment and soil compaction from trampling or machinery.	Annual inspections to be carried out by the Ecologist to ensure that no nutrient enrichment or activities adversely impacting the woodland are occurring. Adaptive management to be implemented if woodland disturbance is identified.

Target Habitat		Open mosaic habitats on previously developed land – created to moderate condition	
Target condition requirements		Passes 2 or 3 of 4 criteria	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		WRP	
Condition Assessment criteria	Targeted	Creation Approach	Management Approach
A) Vegetation structure is varied, providing opportunities for vertebrates and invertebrates to live, eat and breed. A single structural habitat component or vegetation type does not account for more than 80% of the total habitat area.	Yes	A mosaic of early successional communities including areas of open and wildflower-rich grasslands, both neutral and calcareous, and ruderals with areas of bare ground will be created. These varying vegetation types will provide suitable habitats for both vertebrates and invertebrates.	A bi-annual inspection to be undertaken by the Ecologist. If plant diversity is low, compared to the planned specification as determined then replacement species selected by the Ecologist should be planted.
B) The habitat parcel contains different plant species that are beneficial for wildlife, for example flowering species providing nectar sources for a range of invertebrates at different times of year.	Yes	Nectar-rich, drought-resilient species will be selected as part of any self-contained planter species composition.	A bi-annual inspection to be undertaken by the Ecologist. If flowering species providing nectar sources are low, compared to the planned specification then replacement species selected by the Ecologist should be planted. Watering will depend on the type of roof created but all roofs require watering during extended periods of dry weather. Native species will require watering after one to two weeks without rainfall.
C) Invasive non-native plant species (listed on Schedule 9 of the Wildlife and Countryside Act 1981) and others which are to the detriment of native wildlife (using professional judgement) cover less than 5% of total vegetated area.	Yes	Any INNS will be removed prior to the creation of this habitat type. The removal of INNS will be undertaken under a specific management plan and by a specialised Contractor.	Annual inspection for control of undesirable species, as determined by the Ecologist, should be undertaken once a year.
D) The parcel shows spatial variation and forms a mosaic of bare substrate PLUS: - At least four early successional communities (a) to (i); Communities: (a) annuals; (b) mosses/liverworts; (c) lichens; (d) ruderals; (e) inundation species; (f) open grassland; (g) flower-rich grassland; (h) heathland, (i) pools.	Yes	A mosaic of early successional communities including areas of open and wildflower-rich grasslands, both neutral and calcareous, and ruderals with areas of bare ground will be created. These varying vegetation types	A bi-annual inspection to be undertaken by the Ecologist. If plant diversity is low, compared to the planned specification as determined by the Ecologist, then replacement

Target Habitat		Open mosaic habitats on previously developed land – created to moderate condition	
Target condition requirements		Passes 2 or 3 of 4 criteria	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		WRP	
Condition Assessment criteria	Targeted	Creation Approach	Management Approach
		will provide suitable habitats for both vertebrates and invertebrates.	species selected by the Ecologist should be planted.

Target Habitat		Biodiverse green roof – created to moderate condition	
Target condition requirements		Passes 2 or 3 of 4 criteria	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		IPS_E	
Condition Assessment criteria	Targeted	Creation Approach	Management Approach
A) Vegetation structure is varied, providing opportunities for vertebrates and invertebrates to live, eat and breed. A single structural habitat component or vegetation type does not account for more than 80% of the total habitat area.	Yes	A mosaic of early successional communities including areas of open and wildflower-rich grassland will be created. These varying vegetation types will provide suitable habitats for both vertebrates and invertebrates.	A bi-annual inspection to be undertaken by the Ecologist. If plant diversity is low, compared to the planned specification as determined then replacement species selected by the Ecologist should be planted.
B) The habitat parcel contains different plant species that are beneficial for wildlife, for example flowering species providing nectar sources for a range of invertebrates at different times of year.	Yes	Nectar-rich, drought-resilient species will be selected as part of any self-contained planter species composition.	A bi-annual inspection to be undertaken by the Ecologist. If flowering species providing nectar sources are low, compared to the planned specification then replacement species selected by the Ecologist should be planted. Watering will depend on the type of roof created but all roofs require watering during extended periods of dry weather. Native species will require watering after one to two weeks without rainfall.

Target Habitat		Biodiverse green roof – created to moderate condition	
Target condition requirements		**Passes 2 or 3 of 4 criteria**	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		**IPS_E**	
C) Invasive non-native plant species (listed on Schedule 9 of the Wildlife and Countryside Act 1981) and others which are to the detriment of native wildlife (using professional judgement) cover less than 5% of total vegetated area.	Yes	Any INNS will be removed prior to the creation of this habitat type. The removal of INNS will be undertaken under a specific management plan and by a specialised Contractor.	Annual inspection for control of undesirable species, as determined by the Ecologist, should be undertaken once a year
G) The roof has a varied depth of 80-150mm; at least 50% is at 150mm and is planted and seeded with wildflowers and sedums or is pre-prepared with sedums and wildflowers	Yes	Roof depth shall vary from 80mm to 150mm, with at least 50% at 150mm and planted and seeded with wildflowers and/or sedum.	A bi-annual inspection to be undertaken by the Ecologist. If plant diversity is low, compared to the planned specification as determined by the Ecologist, then replacement species selected by the Ecologist should be planted.

Target Habitat		Mixed scrub – created to moderate condition	
Target condition requirements		**Passes 3 or 4 criteria**	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		**IPS_E, IPS_F, EMEA_F_2, EMEA_G_1, IPS_G, EMEA_J_1, EMEA_J_2, EMEA_J_4, BPT_K, EMEA_L_2, EMEA_L_3 and EMEA_L_7**	
Condition Assessment criteria	**Targeted**	**Creation Approach**	**Management Approach**
A) The parcel represents a good example of its habitat type – the appearance and composition of the vegetation closely match its UKHab description (where in its natural range). • At least 80% of scrub is native • There are at least three native woody species, No single species comprising more than 75% of the cover (except hazel *Corylus avellana*, common juniper *Juniperus communis*, sea buckthorn *Hippophae rhamnoides* or box *Buxus sempervirens*, which can be up to 100% cover).	Yes	A review of soil type and nutrient content will be undertaken post-consent to inform the method of soil preparation and final species mixes. Plant species mixes will be adapted to each EMEA to respond to local character/conditions and species which are prevalent in the local landscape. Proposed species to be planted include field maple *Acer campestre*, hazel, hawthorn *Crataegus monogyna*, blackthorn *Prunus spinosa* and wild privet *Ligustrum vulgare*.	If after the establishment phase scrub species still require guards, the Ecologist to continue to inspect them bi-annually with necessary repairs, replacements adjustments and/or re-firming undertaken during the inspection. If the plant has rooted successfully and does not require further protection, then those elements to be removed. Cutting new scrub areas should begin when planting is fully established and developing, no earlier than Year 3.

Target Habitat		Mixed scrub – created to moderate condition	
Target condition requirements		Passes 3 or 4 criteria	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		IPS_E, IPS_F, EMEA_F_2, EMEA_G_1, IPS_G, EMEA_J_1, EMEA_J_2, EMEA_J_4, BPT_K, EMEA_L_2, EMEA_L_3 and EMEA_L_7	
Condition Assessment criteria	**Targeted**	**Creation Approach**	**Management Approach**
			Scrub should be cut annually on a rotational cycle of 20% of overall scrub area each winter to provide a mosaic of species at different stages of growth. Disturbances to the scrub areas should be non-uniform, mimicking theoretical grazing patterns of animals; trampling and browsing.
B) Seedlings, saplings, young shrubs and mature (or ancient or veteran) shrubs are all present.	No	Not applicable.	Not applicable.
C) There is an absence of invasive non-native species (as listed on Schedule 9 of WCA) and species indicative of suboptimal condition make up less than 5% of ground cover.	Yes	Any INNS will be removed prior to the creation of this habitat type. The removal of INNS will be undertaken under a specific management plan and by a specialised Contractor.	Annual inspection for control of undesirable species, as determined by the Ecologist, should be undertaken once a year.
D) The scrub has a well-developed edge with scattered scrub and tall grassland and or forbs present between the scrub and adjacent habitat.	No	Not applicable.	Not applicable.
E) There are clearings, glades or rides present within the scrub, providing sheltered edges.	Yes	Integrating areas of open ground such as glades and rides will be implemented.	Rises and glades should be maintained to increase diversity. Maintain small, open areas to allow the ground flora to colonise.

Target Habitat		Rural trees – created to moderate condition	
Target condition requirements		Passes 3 or 4 criteria	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		IPS_E and IPS_G	
Condition Assessment criteria	Targeted	Creation Approach	Management Approach
A) At least 70% of trees are native species.	Yes	All trees planted will be native.	Annual inspections will be carried out by the Ecologist to ensure at least 70% of trees are native species. Any non-native species to be removed in agreement with the Ecologist.
B) Tree canopy is predominantly continuous with gaps in canopy cover making up <10% of total area and no individual gap being >5m wide (individual trees automatically pass this criterion).	Yes – Criteria automatically passed	Not applicable.	Not applicable.
C) The tree is mature (or more than 50% within the block are mature).	Yes	The majority of trees will be transplants, with a small proportion of approximately 20% a mix of feathered, select and heavy standard, up to 14cm in girth and 350cm in height.	Inspections to be carried out bi-annually to ensure trees are establishing. Management to be adapted if required.
D) There is little or no evidence of an adverse impact on tree health by human activities (such as vandalism, herbicide or detrimental agricultural activity) and there is no current regular pruning regime, so the trees retain >75% of expected canopy for their age range and height.	Yes	Trees will be planted in non-operational areas to avoid adverse impacts by human activities. No trees will be planted within 3m of fence lines or assets.	Inspections to be carried out to ensure human activities are not adversely impacting tree health. Management to be adapted if required.
E) Natural ecological niches for vertebrates and invertebrates are present, such as presence of deadwood, cavities, ivy or loose bark.	No	Not applicable.	Not applicable.
F) More than 20% of the tree canopy area is oversailing vegetation beneath.	No	Not applicable.	Not applicable.

Target Habitat		Species-rich native hedgerow – created to moderate condition	
Target condition requirements		No more than four failures in total; and does not fail both attributes in more than one functional group	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		IPS_F and K_6	
Condition Assessment criteria	Targeted	Creation Approach	Management Approach
A1 – Height - >1.5m average along length.	Yes	Hedgerow species will be planted which grow over 1.5m in height. Plants will be supported by appropriate stakes and guards.	Each hedgerow will be managed as appropriate for the local landscape character and to blend with the surrounding vegetation, i.e. by trimming, laying, coppicing, bulking up, etc. This will be defined within the HMMP post-consent. If after the establishment phase hedgerow species still require guards, continue to inspect them bi-annually with necessary repairs, replacements adjustments and/or re-firming undertaken during the inspection. If the plant has rooted successfully and does not require further protection, then those elements to be removed.
A2 – Width - >1.5m average along length.	Yes	Hedgerow plants will be notch planted into cultivated ground in a double staggered row at five plants per metre, with 60cm between rows. Plants will be supported by appropriate stakes and guards.	Each hedgerow will be managed as appropriate for the local landscape character and to blend with the surrounding vegetation, i.e. by trimming, laying, coppicing, bulking up, etc. This will be defined within the HMMP post-consent. If after the establishment phase scrub species still require guards, continue to inspect them bi-annually with necessary repairs, replacements adjustments and/or re-firming undertaken during the inspection. If the plant has rooted successfully and does

Target Habitat		Species-rich native hedgerow – created to moderate condition	
Target condition requirements		No more than four failures in total; and does not fail both attributes in more than one functional group	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		IPS_F and K_6	
Condition Assessment criteria	Targeted	Creation Approach	Management Approach
			not require further protection, then those elements to be removed.
B1 – Gap hedge base - Gap between ground and base of canopy <0.5m for >90% of length.	Yes	Hedgerow species will be planted which grow over 1.5m in height.	Inspections will be carried bi-annually by the Ecologist out to ensure gap between ground and base of canopy <0.5m for >90% of its length. Management to be adapted if bare ground exceeds 5%.
B2 – Hedgerow canopy continuity Gaps make up <10% of total length; and no canopy gaps >5m	Yes	Hedgerow plants will be notch planted into cultivated ground in a double staggered row at five plants per metre, with 60cm between rows. This will help to ensure that there are less than <10% gaps and no canopy gaps >5m once the hedgerow has established. Plants will be supported by appropriate stakes and guards.	Inspections will be carried out bi-annually by the Ecologist to ensure gaps make up <10% of total length; and no canopy gaps >5m. Management to be adapted if required. If after the establishment phase hedgerow species still require guards, continue to inspect them bi-annually with necessary repairs, replacements adjustments and/or re-firming undertaken during the inspection. If the plant has rooted successfully and does not require further protection, then those elements to be removed.
C1 – Undisturbed ground and perennial vegetation - >1m width of undisturbed ground with perennial herbaceous vegetation for >90% of length: • measured from outer edge of hedgerow and is present on one side of the hedge (at least)	Yes	Hedgerow to be planted where there will be no disturbance to at least >1m of ground on at least one side.	Annual inspections by the Ecologist will be carried out to ensure there is no disturbance within >1m width of the hedgerow (at least one side). Management to be adapted if required.

Target Habitat		Species-rich native hedgerow – created to moderate condition	
Target condition requirements		No more than four failures in total; and does not fail both attributes in more than one functional group	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		IPS_F and K_6	
Condition Assessment criteria	Targeted	Creation Approach	Management Approach
C2 – Nutrient enriched perennial vegetation – plant species indicative of nutrient enrichment of soils dominate <20% cover of the area of undisturbed ground.	Yes	Any species indicative of nutrient enrichment will be removed prior to hedgerow planting.	Control of nutrient enriched perennial vegetation to be undertaken on an annual basis via hand pulling and/or cutting (if required).
D1 - Invasive and neophyte species - >90% of the hedgerow is free of invasive non-native plant species (including those listed on Schedule 9 of the Wildlife and Countryside Act 1981) and recently introduced species.	Yes	Any INNS will be removed prior to the creation of this habitat type. The removal of INNS will be undertaken under a specific management plan and by a specialised Contractor.	Annual inspection for control of undesirable species, as determined by the Ecologist, should be undertaken once a year.
D2 – Current damage - >90% of the hedgerow or undisturbed ground is free of damage caused by human activities.	Yes	Hedgerow to be planted where there will be no disturbance to at least >1m of ground on at least one side.	Annual inspections will be carried out by the Ecologist to ensure there is no disturbance within >1m width of the hedgerow (at least one side) Management to be adapted if required.

Target Habitat		Ecologically valuable line of trees – created to moderate condition	
Target condition requirements		Passes 3 or 4 criteria	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		BPT_K	
Condition Assessment criteria	Targeted	Creation Approach	Management Approach
A) At least 70% of trees are native species.	Yes	All trees planted will be native.	Annual inspections will be carried out by the Ecologist to ensure at least 70% of trees are native species. Any non-native species to be removed in agreement with the Ecologist or an Arboriculturist.

Target Habitat		Ecologically valuable line of trees – created to moderate condition	
Target condition requirements		Passes 3 or 4 criteria	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		BPT_K	
Condition Assessment criteria	Targeted	Creation Approach	Management Approach
B) Tree canopy is predominantly continuous with gaps in canopy cover making up <10% of total area and no individual gap being >5m wide.	No	Not applicable.	Not applicable.
C) One or more trees has veteran features and or natural ecological niches for vertebrates and invertebrates, such as presence of standing and attached deadwood, cavities, ivy or loose bark.	No	Not applicable.	Not applicable.
D) There is an undisturbed naturally-vegetated strip of at least 6m on both sides to protect the line of trees from farming and other human activities (excluding grazing). Where veteran trees are present, root protection areas should follow standing advice.	Yes	Implement a 6m undisturbed naturally-vegetated strip on both sides of the line of trees.	Annual inspections to be carried out by the Ecologist to ensure a 6m undisturbed naturally-vegetated strip on both sides of the line of trees is maintained. Management to be adapted if required.
E) At least 95% of the trees are in a healthy condition (deadwood or veteran features valuable for wildlife are excluded from this). There is little or no evidence of an adverse impact on tree health by damage from livestock or wild animals, pests or diseases, or human activity.	Yes	Given the prevalence of ash dieback and Dutch elm disease, a mixture of broadleaved species will be planted to ensure successful establishment and maintenance.	Trees shall be inspected annually for dead or diseased branches and pruned back. Where disease or fungus is identified agree with the Ecologist or an Arboriculturist and if instructed prune accordingly.

E.4 Biodiversity Net Gain – Habitat enhancements

E.4.1 As outlined within Table E-1 a variety of baseline habitats could be enhanced. Table E-3 outlines how such baseline habitats would be enhanced and managed for a minimum of 30 years.

Table E-3 Indicative habitat enhancement opportunities for the Project

Target Habitat		Other neutral grassland – enhanced from moderate to good condition	
Target condition requirements		Passes 5 or 6 criteria, including essential criterion A and additional criterion F	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		EMEA_E_3	
Condition Assessment criteria	Targeted	Enhancement Approach	Management Approach
A) The parcel represents a good example of its habitat type, with a consistently high proportion of characteristic indicator species present relevant to the specific habitat type. Note – this criterion is essential for achieving moderate or good condition for non-acid grassland types.	No – criteria already achieved	Not applicable.	A specific mowing regime (see criteria F) will be developed post-consent to ensure successful establishment and maintenance.
B) Sward height is varied (at least 20% of the sward is less than 7cm and least 20% is more than 7cm) creating microclimates which provide opportunities for insects, birds and small mammals to live and breed.	No – criteria already achieved	Not applicable.	A specific mowing regime (see criteria F) will be developed post-consent to ensure successful establishment and maintenance.
C) Cover of bare ground between 1% and 5%, including localised areas, for example rabbit warrens.	No – criteria already achieved	Not applicable.	Annual inspections will be carried out to ensure cover of bare ground remains between 1% and 5% of the total grassland area. Management to be adapted if bare ground exceeds 5%.
D) Cover of bracken *Pteridium aquilinum* is less than 20% and cover of scrub (including bramble *Rubus fruticosus agg*.) is less than 5%.	No – criteria already achieved	Not applicable.	Control of bracken/scrub to be undertaken on an annual basis via hand pulling and/or cutting (if required).
E) Combined cover of species indicative of suboptimal condition and physical damage (such as excessive poaching, damage from machinery use or storage, damaging levels of access, or any other damaging management activities) accounts for less than 5% of total area. If any invasive non-native species (INNS) (as listed on Schedule 9 of the Wildlife and Countryside Act 1981) are present, this criterion is automatically failed.	No	Not applicable.	Not applicable.

Target Habitat		Other neutral grassland – enhanced from moderate to good condition	
Target condition requirements		Passes 5 or 6 criteria, including essential criterion A and additional criterion F	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		EMEA_E_3	
Condition Assessment criteria	Targeted	Enhancement Approach	Management Approach
F) There are 10 or more vascular plant species per m^2 present, including forbs that are characteristic of the habitat type. Note – this criterion is essential for achieving good condition for non-acid grassland types.	Yes	A specific mowing regime developed post-consent will be implemented to ensure successful establishment and maintenance. Use of a suitable grassland species seed mix (which should include yellow rattle *Rhinanthus minor*) which is well matched to EMEA soil type will ensure a sufficient diversity and the successful establishment of targeted species. Priority should be given to grass seed harvested from donor grassland sies where feasible and appropriate, to maintain continuity with existing grasslands. Cut and remove existing above-ground vegetation in mid-summer. Physical 'scarifying' to then be undertaken on existing grassland to expose the soil and create 50% of bare soil. Undertake seeding in the autumn and then mow until end of March of the following year to reduce competition from grasses. Mowing to cease until mid-summer to allow meadow to flower and then cut and remove.	Mowing regime as per enhancement approach to be undertaken on a yearly basis. Management to be adapted if desired species are not establishing successfully.

Target Habitat		Other neutral grassland – enhanced from poor to moderate condition	
Target condition requirements		Passes 3-5 criteria, including essential criterion A	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		EMEA_K_3	
Condition Assessment criteria	Targeted	Enhancement Approach	Management Approach
A) The parcel represents a good example of its habitat type, with a consistently high proportion of characteristic indicator species present relevant to the specific habitat type. Note – this criterion is essential for achieving moderate or good condition for non-acid grassland types.	Yes	A specific mowing regime will be developed post-consent to ensure successful establishment and maintenance. Use of a suitable grassland species seed mix (which should include yellow rattle *Rhinanthus minor*) which is well matched to EMEA soil type will ensure a sufficient diversity and the successful establishment of targeted species. Priority should be given to grass seed harvested from donor grassland sies where feasible and appropriate, to maintain continuity with existing grasslands. Cut and remove existing above-ground vegetation in mid-summer. Physical 'scarifying' to then be undertaken on existing grassland to expose the soil and create 50% of bare soil. Undertake seeding in the autumn and then mow until end of March of the following year to reduce competition from grasses. Mowing to cease until mid-summer to allow meadow to flower and then cut and remove.	Mowing regime as per enhancement approach to be undertaken on a yearly basis. Management to be adapted if desired species are not establishing successfully.
B) Sward height is varied (at least 20% of the sward is less than 7cm and least 20% is more than 7cm) creating microclimates which provide opportunities for insects, birds and small mammals to live and breed.	Yes	A specific mowing regime will be implemented (see criteria A) which ensures that specific sections of the grassland sward are left to grow to a taller sward height and others are mown to a shorter sward height.	A review should be undertaken of the mowing regime to inform the need for further management or interventions if sward height is not varied.
C) Cover of bare ground between 1% and 5%, including localised areas, for example rabbit warrens.	No – criteria already achieved	Not applicable.	Annual inspections will be carried out to ensure cover of bare ground remains between 1% and 5% of the total grassland area. Management to

Target Habitat		Other neutral grassland – enhanced from poor to moderate condition	
Target condition requirements		Passes 3-5 criteria, including essential criterion A	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		EMEA_K_3	
Condition Assessment criteria	Targeted	Enhancement Approach	Management Approach
			be adapted if bare ground exceeds 5%.
D) Cover of bracken *Pteridium aquilinum* is less than 20% and cover of scrub (including bramble *Rubus fruticosus agg.*) is less than 5%.	No – criteria already achieved	Not applicable.	Control of bracken/scrub to be undertaken on an annual basis via hand pulling and/or cutting (if required).
E) Combined cover of species indicative of suboptimal condition and physical damage (such as excessive poaching, damage from machinery use or storage, damaging levels of access, or any other damaging management activities) accounts for less than 5% of total area. If any invasive non-native species (INNS) (as listed on Schedule 9 of the Wildlife and Countryside Act 1981) are present, this criterion is automatically failed.	No	Not applicable.	Not applicable.
F) There are 10 or more vascular plant species per m^2 present, including forbs that are characteristic of the habitat type. Note – this criterion is essential for achieving good condition for non-acid grassland types.	Yes	As per criteria A.	As per criteria A.

Target Habitat		Other neutral grassland – enhanced from poor to good condition	
Target condition requirements		Passes 5 or 6 criteria, including essential criterion A and additional criterion F	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		EMEA_L_5	
Condition Assessment criteria	Targeted	Enhancement Approach	Management Approach
A) The parcel represents a good example of its habitat type, with a consistently high proportion of characteristic indicator species present relevant to the specific habitat type. Note – this criterion is essential for achieving moderate or good condition for non-acid grassland types.	No – criteria already achieved	A specific mowing regime (see criteria F) will be developed post-consent to ensure successful establishment and maintenance.	A specific mowing regime (see criteria F) will be developed post-consent to ensure successful establishment and maintenance.
B) Sward height is varied (at least 20% of the sward is less than 7cm and least 20% is more than 7cm) creating microclimates which provide opportunities for insects, birds and small mammals to live and breed.	Yes	A specific mowing regime will be implemented (see criteria F) which ensures that specific sections of the grassland sward are left to grow to a taller sward height and others are mown to a shorter sward height.	A review should be undertaken of the mowing regime to inform the need for further management or interventions if sward height is not varied.
C) Cover of bare ground between 1% and 5%, including localised areas, for example rabbit warrens.	Yes	A specific mowing regime will be implemented (see criteria F) which ensures that specific sections of the grassland have bare ground which amounts to 1-5% of the total grassland area.	Annual inspections will be carried out to ensure cover of bare ground remains between 1% and 5% of the total grassland area. Management to be adapted if bare ground exceeds 5%.
D) Cover of bracken *Pteridium aquilinum* is less than 20% and cover of scrub (including bramble *Rubus fruticosus agg.*) is less than 5%.	No – criteria already achieved	Not applicable.	Control of bracken/scrub to be undertaken on an annual basis via hand pulling and/or cutting (if required).
E) Combined cover of species indicative of suboptimal condition and physical damage (such as excessive poaching, damage from machinery use or storage, damaging levels of access, or any other damaging management activities) accounts for less than 5% of total area. If any invasive non-native species (INNS) (as listed on Schedule 9 of the Wildlife and Countryside Act 1981) are present, this criterion is automatically failed.	Yes	Any INNS or species indicative of suboptimal conditions will be removed prior to enhancement measures. The removal of INNS will be undertaken under a specific management plan and by a specialised Contractor.	Annual inspection for control of undesirable species, as determined by the Ecologist, should be undertaken once a year.

Target Habitat		Other neutral grassland – enhanced from poor to good condition	
Target condition requirements		Passes 5 or 6 criteria, including essential criterion A and additional criterion F	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		EMEA_L_5	
Condition Assessment criteria	Targeted	Enhancement Approach	Management Approach
F) There are ten or more vascular plant species per m^2 present, including forbs that are characteristic of the habitat type. Note – this criterion is essential for achieving good condition for non-acid grassland types.	Yes	A specific mowing regime (see criteria F) will be developed post-consent to ensure successful establishment and maintenance. Use of a suitable grassland species seed mix (which should include yellow rattle *Rhinanthus minor*) which is well matched to EMEA soil type will ensure a sufficient diversity and the successful establishment of targeted species. Priority should be given to grass seed harvested from donor grassland sies where feasible and appropriate, to maintain continuity with existing grasslands. Cut and remove existing above-ground vegetation in mid-summer. Physical 'scarifying' to then be undertaken on existing grassland to expose the soil and create 50% of bare soil. Undertake seeding in the autumn and then mow until end of March of the following year to reduce competition from grasses. Mowing to cease until mid-summer to allow meadow to flower and then cut and remove.	Mowing regime as per enhancement approach to be undertaken on a yearly basis. Management to be adapted if desired species are not establishing successfully.

Target Habitat		Line of trees – enhanced from moderate to good condition	
Target condition requirements		Passes 5 criteria	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		EMEA_F_1	
Condition Assessment criteria	Targeted	Enhancement Approach	Management Approach
A) At least 70% of trees are native species.	No – criteria already achieved	Not applicable.	Annual inspections will be carried out to ensure at least 70% of trees are native species. Any non-native species to be removed in agreement with the Ecologist or an Arboriculturist.
B) Tree canopy is predominantly continuous with gaps in canopy cover making up <10% of total area and no individual gap being >5m wide.	No – criteria already achieved	Not applicable.	Annual inspections will be carried out to ensure tree canopy meets condition of the criteria. Any adaptive management to be implemented by the Ecologist or an Arboriculturist.
C) One or more trees has veteran features and or natural ecological niches for vertebrates and invertebrates, such as presence of standing and attached deadwood, cavities, ivy or loose bark.	Yes	Tree veteranisation is the deliberate damaging or wounding of 'younger' trees to accelerate the development of microhabitats typical of veteran trees. Veteranisation to be undertaken on one/two trees by a suitably experienced Arboriculturist.	Annual inspections to be undertaken to ensure veteranisation is creating appropriate natural ecological niches and not adversely impacting the health of the tree.
D) There is an undisturbed naturally-vegetated strip of at least 6m on both sides to protect the line of trees from farming and other human activities (excluding grazing). Where veteran trees are present, root protection areas should follow standing advice.	Yes	Implement a 6m undisturbed naturally vegetated strip either side of the line of trees.	Annual inspections to be carried out to ensure a 6m undisturbed naturally vegetated strip either side of the line of trees is maintained. Management to be adapted if required.
E) At least 95% of the trees are in a healthy condition (deadwood or veteran features valuable for wildlife are excluded from this). There is little or no evidence of an adverse impact on tree health by damage from livestock or wild animals, pests or diseases, or human activity.	No – criteria already achieved	Not applicable.	Trees shall be inspected annually for dead or diseased branches and pruned back. Where disease or fungus is identified agree with the Ecologist or an Arboriculturist and if instructed prune accordingly.

Target Habitat		Coastal floodplain grazing marsh – enhanced from moderate to good condition	
Target condition requirements		Passes 5 or 6 core criteria including criterion A and J	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		EMEA_M_1	
Condition Assessment criteria	Targeted	Enhancement Approach	Management Approach
A) The water table is at, or near the surface throughout the year – this could be open water or saturation of soil at the surface. There is no artificial drainage, unless specifically to maintain water levels as specified above. Note – this criterion is essential for achieving good condition	No – criteria already achieved	Not applicable.	Annual inspections to be undertaken to monitor level of water table and to monitor vegetation which favours wet conditions.
B) The parcel represents a good example of its specific habitat type – the appearance and composition of the vegetation closely matches its UKHab description, with vascular and non-vascular characteristic indicator species consistently present.	No – criteria already achieved	Not applicable.	Annual inspections to be undertaken to record vascular and non-vascular vegetation. Any adaptive management which would benefit these vegetation types to be recommended by the Ecologist.
C) The water supplies (groundwater, surface water and or rainwater) to the wetland are of good water quality, with clear water (low turbidity) indicating no obvious signs of pollution.	No – criteria already achieved	Not applicable.	Annual inspections by a freshwater Ecologist to be undertaken of water supplies to determine whether they are of a good quality. Any adaptive management to be recommended by the Ecologist.
D) Cover of scrub and scattered trees are less than 10%.	No – criteria already achieved	Not applicable.	Control of scrub to be undertaken on an annual basis via hand pulling and/or cutting (if required).
E) Cover of bare ground is less than 5%.	No – criteria already achieved	Not applicable.	Annual inspections to be undertaken to monitor levels of bare ground. Any adaptive management to be recommended by the Ecologist to ensure cover of bare ground remains less than 5%.
F) There is an absence of invasive non-native species (as listed on Schedule 9 of WCA) and species indicative of suboptimal condition make up less than 5% of ground cover.	No – criteria already achieved	Not applicable.	Annual inspection for control of undesirable species, as determined by the Ecologist, should be undertaken once a year.

Target Habitat		Coastal floodplain grazing marsh – enhanced from moderate to good condition	
Target condition requirements		Passes 5 or 6 core criteria including criterion A and J	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		EMEA_M_1	
Condition Assessment criteria	Targeted	Enhancement Approach	Management Approach
J) All ditches recorded within the habitat achieve Good condition as assessed using the Ditch condition sheet.	Yes	Undertake pruning of trees along the watercourse to ensure less than 10% of the watercourse is shaded. Trees to be pruned should be determined by an Ecologist and/or an Arboriculturist.	Inspections by the Ecologist to be undertaken of ditches on an annual basis. Any adaptive management to enhancement measures be recommended by the Ecologist.

Target Habitat		Other woodland; broadleaved – enhanced from poor to good condition	
Target condition requirements		Total condition assessment score of between 33-39	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		EMEA_M_2	
Condition Assessment criteria	Targeted	Enhancement Approach	Management Approach
A) Age distribution of trees • Three age classes present • Two age classes present • One age class present	Yes – three age classes present.	Strategic felling of a few trees within the woodland will create more diversity. With more light at ground level, flowers will thrive, then succession will occur and a variety of tree heights and ages will be present. Enhancement measures should be undertaken following consultation with an Ecologist and an Arboriculturist.	Annual inspections will be carried out to ensure felling/thinning of the canopy is leading to a greater diversity within the woodland and not adversely impacting other woodland vegetation. Management to be adapted if age distribution remains at one age class following enhancement measures.
B) Wild, domestic and feral herbivore damage • No significant browsing damage evident in woodland • Evidence of significant browsing pressure is present in 40% or less of whole woodland	Yes – no significant browsing damage evident in woodland.	Strategic placement of fencing within the woodland to protect from grazing and allow regeneration of the understorey.	Inspections will be carried out on an annual basis to determine whether fencing blocks of woodland is reducing browsing pressure within the woodland and

Target Habitat		Other woodland; broadleaved – enhanced from poor to good condition	
Target condition requirements		Total condition assessment score of between 33-39	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		EMEA_M_2	
Condition Assessment criteria	Targeted	Enhancement Approach	Management Approach
• Evidence of significant browsing pressure is present in 40% or more of whole woodland			leading to greater woodland biodiversity. Implement further fencing within the woodland if herbivore damage is still significant within woodland.
C) Invasive plant species • No invasive species present in woodland • Rhododendron *Rhododendron ponticum* or cherry laurel *Prunus laurocerasus* not present, other invasive species <10% cover • Rhododendron or laurel present, or other invasive species >10% cover	No – criteria already achieved.	Not applicable.	Annual inspection for control of undesirable species, as determined by the Ecologist, should be undertaken once a year.
D) Number of native tree species • Five or more native tree or shrub species found across woodland parcel • Three to four native tree or shrub species found across woodland parcel • Two or less native tree or shrub species present across woodland parcel	No – criteria already achieved.	Not applicable.	Annual inspections will be carried out to ensure five or more native tree species are found across the woodland. Management to be adapted if specific tree species begin to dominate the woodland and reduce diversity.
E) Cover of native tree and shrub species • >80% of canopy trees and >80% of understorey shrubs are native • 50-80% of canopy trees and 50-80% of understorey shrubs are native • <50% of canopy trees and <50% understorey shrubs are native	No – criteria already achieved.	Not applicable.	Annual inspections will be carried out to ensure non-native tree and shrub are not colonising the woodland. Management to be adapted if specific non-native tree and shrub species start to dominate the woodland.
F) Open space within woodland • 10-20% of woodland has areas of temporary open space (unless woodland <10ha in which	Yes – 10-20% of woodland has areas of temporary open space (unless woodland	Integrating areas of open ground such as glades and rides that have no mature trees	Rises and glades should be maintained to increase diversity. Maintain small,

Target Habitat		Other woodland; broadleaved – enhanced from poor to good condition	
Target condition requirements		Total condition assessment score of between 33-39	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		EMEA_M_2	
Condition Assessment criteria	Targeted	Enhancement Approach	Management Approach
case 0-20% temporary open space is permitted) • 21-40% of woodland has areas of temporary open space • <10% or >40% of woodland has areas of temporary open space (if woodland <10ha has <10% temporary open space, please see first bullet point)	<10ha in which case 0-20% temporary open space is permitted).	will ensure that light reaches the understorey and ground layers.	open areas to allow the ground flora to colonise.
G) Woodland regeneration • All three classes present in woodland; trees 4-7cm in diameter at breast height, saplings and seedlings or advanced coppice regrowth • One of two classes only present in woodland • No classes or coppice regrowth present in woodland	Yes – All three classes present in woodland; trees 4-7cm in diameter at breast height, saplings and seedlings or advanced coppice regrowth	Strategic felling of a few trees within the woodland will create more diversity. With more light at ground level, flowers will thrive, then succession will occur and a variety of tree heights and ages will be present. Enhancement measures should be undertaken following consultation with an Ecologist and an Arboriculturist. Strategic placement of fencing within the woodland to protect from grazing and allow regeneration of the understorey.	Annual inspections will be carried out to ensure felling/thinning of the canopy is leading to a greater diversity within the woodland and not adversely impacting other woodland vegetation. Management to be adapted if age distribution remains at one age class following enhancement measures. Inspections will be carried out annually to ensure non-native tree and shrub are not colonising the woodland. Management to be adapted if specific non-native tree and shrub species start to dominate the woodland.
H) Tree health • Tree mortality less than 10%, no pests or diseases and no crown dieback	No – criteria already achieved.	Not applicable.	Plants shall be inspected annually for dead or diseased branches. Where disease or fungus is identified agree

Target Habitat		Other woodland; broadleaved – enhanced from poor to good condition	
Target condition requirements		Total condition assessment score of between 33-39	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		EMEA_M_2	
Condition Assessment criteria	Targeted	Enhancement Approach	Management Approach
• 11% to 25% mortality and/or crown dieback or low risk pest or disease present • Greater than 25% tree mortality and or any high risk pest or disease present			management measures with the Ecologist or an Arboriculturist. Diseased branches should be disposed of appropriately, as recommended by the Ecologist or an Arboriculturist.
I) Vegetation and ground flora • Recognisable National Vegetation Classification (NVC) plant community at ground layer present, strongly characterised by ancient woodland flora specialists • Recognisable NVC plant community at ground layer present • No recognisable NVC plant community at ground layer present	Recognisable NVC plant community at ground layer present.	Strategic felling of trees within the woodland will create more diversity. With more light at ground level, a more diverse ground flora should develop. Enhancement measures should be undertaken following consultation with an Ecologist and an Arboriculturist.	Inspections will be carried out annually to ensure NVC plant communities are establishing successfully. Management to be adapted if NVC plant community is not establishing successfully.
J) Woodand vertical structure • Three or more storeys across all survey plots or a complex woodland • Two storeys across all survey plots • One or less storey across all survey plots	Yes – three or more storeys across all survey plots or a complex woodland.	Strategic felling of a few trees within the woodland will create more diversity. With more light at ground level, flowers will thrive, then succession will occur and a variety of storeys will develop. Enhancement measures should be undertaken following consultation with an Ecologist and an Arboriculturist.	Annual inspections will be carried out to ensure felling/thinning of the canopy is leading to a greater vertical structure within the woodland and not adversely impacting other woodland vegetation. Management to be adapted if vertical structure remains as one storey following enhancement measures.
K) Veteran trees • Two or more veteran per hectare • One veteran tree per hectare	No – criteria not being targeted.	Not applicable.	Not applicable.

Target Habitat		Other woodland; broadleaved – enhanced from poor to good condition	
Target condition requirements		Total condition assessment score of between 33-39	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		EMEA_M_2	
Condition Assessment criteria	Targeted	Enhancement Approach	Management Approach
• No veteran trees present in woodland			
L) Amount of deadwood • 50% of all survey plots within the woodland parcel have deadwood, such as standing dead wood, large dead branches and or steams, stubs and stumps or an abundance of small cavities • Between 25% and 50% of all survey plots within the woodland parcel have deadwood, such as standing deadwood, large dead branches and or steams, stubs and stumps or an abundance of small cavities • Less than 25% of all survey plots within the woodland parcel have deadwood, such as standing deadwood, large dead branches and or steams, stubs and stamp or an abundance of small cavities	Yes - 50% of all survey plots within the woodland parcel have deadwood, such as standing dead wood, large dead branches and or steams, stubs and stumps or an abundance of small cavities.	Following felling/thinning of trees within the woodland distribute deadwood throughout the woodland (although excessive covering of sensitive ground flora should be avoided).	Ecologist and/or Arboriculturist to advise on placement of deadwood within the woodland.
M) Woodland disturbance • No nutrient enrichment or damaged ground evident • Less than one hectare in total of nutrient enrichment across woodland area and or less than 20% of woodland area has damaged ground • More than one hectare of nutrient enrichment and or more than 20% of woodland area has damaged ground	No nutrient enrichment or damaged ground evident.	Strategic placement of fencing within the woodland to protect from grazing and allow regeneration of the understorey.	Annual inspections will be carried out on an annual basis to determine whether fencing blocks of woodland is reducing browsing pressure within the woodland and leading to greater woodland biodiversity. Implement further fencing within the woodland if herbivore damage is still significant within woodland.

Target Habitat		Other woodland; broadleaved – enhanced from moderate to good condition	
Target condition requirements		Total condition assessment score of between 33-39	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		WRP	
Condition Assessment criteria	Targeted	Enhancement Approach	Management Approach
A) Age distribution of trees • Three age classes present • Two age classes present • One age class present	No – criteria already achieved.	Not applicable.	Annual inspections will be carried out to ensure a variety of age classes are present. Management to be adapted if age distribution of trees reduces.
B) Wild, domestic and feral herbivore damage • No significant browsing damage evident in woodland • Evidence of significant browsing pressure is present in 40% or less of whole woodland • Evidence of significant browsing pressure is present in 40% or more of whole woodland	No – criteria already achieved.	Not applicable.	Annual inspections will be carried out to ensure no significant browsing damage within woodland. Management to be adapted if signs of browsing pressure identified.
C) Invasive plant species • No invasive species present in woodland • Rhododendron *Rhododendron ponticum* or cherry laurel *Prunus laurocerasus* not present, other invasive species <10% cover • Rhododendron or laurel present, or other invasive species >10% cover	No – criteria already achieved.	Not applicable.	Annual inspections will identify any invasive plant species. The removal of invasive plant species will be undertaken under a specific management plan and by a specialised Contractor if identified.
D) Number of native tree species • Five or more native tree or shrub species found across woodland parcel • Three to four native tree or shrub species found across woodland parcel • Two or less native tree or shrub species present across woodland parcel	No – criteria already achieved.	Not applicable.	Annual inspections will be carried out to ensure five or more native tree species are found across the woodland. Management to be adapted if specific tree species begin to dominate the woodland and reduce diversity.

Target Habitat		Other woodland; broadleaved – enhanced from moderate to good condition	
Target condition requirements		Total condition assessment score of between 33-39	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		WRP	
Condition Assessment criteria	Targeted	Enhancement Approach	Management Approach
E) Cover of native tree and shrub species • >80% of canopy trees and >80% of understorey shrubs are native • 50-80% of canopy trees and 50-80% of understorey shrubs are native • <50% of canopy trees and <50% understorey shrubs are native	Yes - >80% of canopy trees and >80% of understorey shrubs are native.	Felling/removal of non-native canopy and understorey shrubs. Planting of native tree and shrub species within suitable areas of the woodland.	Annual inspections will be carried out to ensure felling/removal of non-native trees/shrubs and any new planting of native species are leading to a greater diversity of native tree/shrub species. Management to be adapted if non-native species are still dominating the woodland.
F) Open space within woodland • 10-20% of woodland has areas of temporary open space (unless woodland <10ha in which case 0-20% temporary open space is permitted) • 21-40% of woodland has areas of temporary open space • <10% or >40% of woodland has areas of temporary open space (if woodland <10ha has <10% temporary open space, please see first bullet point)	Yes - 10-20% of woodland has areas of temporary open space (unless woodland <10ha in which case 0-20% temporary open space is permitted).	Integrating areas of open ground such as glades and rides that have no mature trees will ensure that light reaches the understorey and ground layers.	Rises and glades should be maintained to increase diversity. Maintain small, open areas to allow the ground flora to colonise.
G) Woodland regeneration • All three classes present in woodland; trees 4-7cm in diameter at breast height, saplings and seedlings or advanced coppice regrowth • One of two classes only present in woodland • No classes or coppice regrowth present in woodland	No – criteria already achieved.	Not applicable.	Annual inspections will be carried out to ensure a variety of tree classes are present. Management to be adapted if number of tree classes.
H) Tree health	No – criteria already achieved.	Not applicable.	Plants shall be inspected annually for dead or

Target Habitat		Other woodland; broadleaved – enhanced from moderate to good condition	
Target condition requirements		Total condition assessment score of between 33-39	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		WRP	
Condition Assessment criteria	Targeted	Enhancement Approach	Management Approach
• Tree mortality less than 10%, no pests or diseases and no crown dieback • 11% to 25% mortality and/or crown dieback or low risk pest or disease present • Greater than 25% tree mortality and or any high risk pest or disease present			diseased branches. Where disease or fungus is identified agree management measures with the Ecologist or an Arboriculturist. Diseased branches should be disposed of appropriately, as recommended by the Ecologist or an Arboriculturist.
I) Vegetation and ground flora • Recognisable National Vegetation Classification (NVC) plant community at ground layer present, strongly characterised by ancient woodland flora specialists • Recognisable NVC plant community at ground layer present • No recognisable NVC plant community at ground layer present	Yes - recognisable NVC plant community at ground layer present.	Strategic felling of trees within the woodland will create more diversity. With more light at ground level, a more diverse ground flora should develop. Enhancement measures should be undertaken following consultation with an Ecologist and an Arboriculturist.	Inspections will be carried out annually to ensure NVC plant communities are establishing successfully. Management to be adapted if NVC plant community is not establishing successfully.
J) Woodand vertical structure • Three or more storeys across all survey plots or a complex woodland • Two storeys across all survey plots • One or less storey across all survey plots	Yes - three or more storeys across all survey plots or a complex woodland.	Strategic felling of a few trees within the woodland will create more diversity. With more light at ground level, flowers will thrive, then succession will occur and a variety of storeys will develop. Enhancement measures should be undertaken following consultation with an Ecologist and an Arboriculturist.	Inspections will be carried out annually to ensure felling/thinning of the canopy is leading to a greater vertical structure within the woodland and not adversely impacting other woodland vegetation. Management to be adapted if vertical structure remains as one storey following enhancement measures.

Target Habitat		Other woodland; broadleaved – enhanced from moderate to good condition	
Target condition requirements		Total condition assessment score of between 33-39	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		WRP	
Condition Assessment criteria	Targeted	Enhancement Approach	Management Approach
K) Veteran trees • Two or more veteran per hectare • One veteran tree per hectare • No veteran trees present in woodland	No – criteria not being targeted.	Not applicable.	Not applicable.
L) Amount of deadwood • 50% of all survey plots within the woodland parcel have deadwood, such as standing dead wood, large dead branches and or steams, stubs and stumps or an abundance of small cavities • Between 25% and 50% of all survey plots within the woodland parcel have deadwood, such as standing deadwood, large dead branches and or steams, stubs and stumps or an abundance of small cavities • Less than 25% of all survey plots within the woodland parcel have deadwood, such as standing deadwood, large dead branches and or steams, stubs and stamp or an abundance of small cavities	Yes - 50% of all survey plots within the woodland parcel have deadwood, such as standing dead wood, large dead branches and or steams, stubs and stumps or an abundance of small cavities.	Following felling/thinning of trees within the woodland distribute deadwood throughout the woodland (although excessive covering of sensitive ground flora should be avoided).	Ecologist and/or Arboriculturist to advise on placement of deadwood within the woodland.
M) Woodland disturbance • No nutrient enrichment or damaged ground evident • Less than one hectare in total of nutrient enrichment across woodland area and or less than 20% of woodland area has damaged ground • More than one hectare of nutrient enrichment and or more than 20% of woodland area has damaged ground	Yes - no nutrient enrichment or damaged ground evident.	Strategic placement of fencing within the woodland to protect from grazing and allow regeneration of the understorey.	Inspections will be carried out on an annual basis to determine whether fencing blocks of woodland is reducing browsing pressure within the woodland and leading to greater woodland biodiversity. Implement further fencing within the woodland if herbivore

Target Habitat		Other woodland; broadleaved – enhanced from moderate to good condition	
Target condition requirements		Total condition assessment score of between 33-39	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		WRP	
Condition Assessment criteria	Targeted	Enhancement Approach	Management Approach
			damage is still significant within woodland.

Target Habitat		Native hedgerow in moderate condition – enhanced to species-rich native hedgerow in moderate condition	
Target condition requirements		No more than two failures in total; and no more than one failure in any functional group	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		IPS_F	
Condition Assessment criteria	Targeted	Enhancement Approach	Management Approach
A1 – Height - >1.5m average along length	No – target already achieved.	Not applicable.	Inspections to be undertaken annually to ensure that hedgerow height is above 1.5m along its length. Management to be adapted if criteria is not being met.
A2 – Width - >1.5m average along length	No – target already achieved.	Not applicable.	Inspections to be undertaken annually to ensure that hedgerow width is above 1.5m along its width. Management to be adapted if criteria is not being met.
B1 – Gap hedge base - Gap between ground and base of canopy <0.5m for >90% of length	No – target already achieved.	Not applicable.	Inspections to be undertaken annually to ensure gap between ground and base of canopy is less than 0.5m for more than 90% of its length. Management to be adapted if criteria is not being met.

Target Habitat		Native hedgerow in moderate condition – enhanced to species-rich native hedgerow in moderate condition	
Target condition requirements		No more than two failures in total; and no more than one failure in any functional group	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		IPS_F	
Condition Assessment criteria	**Targeted**	**Enhancement Approach**	**Management Approach**
B2 – Hedgerow canopy continuity Gaps make up <10% of total length; and no canopy gaps >5m	Yes – target already achieved but further enhancements recommended.	Plant at least two native species within hedgerow gaps to increase species count and met the UKHab definition of a species-rich native hedgerow.	Inspections will be carried out to ensure gaps make up less than 10% of total length; and no canopy gaps more than 5m. In addition, inspections will ensure that newly planted hedgerows species are establishing. If after the establishment phase hedgerow species still require guards, continue to inspect them bi-annually with necessary repairs, replacements adjustments and/or re-firming undertaken during the inspection. If the plant has rooted successfully and does not require further protection, then those elements to be removed.
C1 – Undisturbed ground and perennial vegetation - >1m width of undisturbed ground with perennial herbaceous vegetation for >90% of length: • measured from outer edge of hedgerow, and is present on one side of the hedge (at least)	No.	Not applicable.	Not applicable.
C2 – Nutrient enriched perennial vegetation – plant species indicative of nutrient enrichment of soils dominate <20% cover of the area of undisturbed ground	No.	Not applicable.	Not applicable.
D1 - Invasive and neophyte species - >90% of the hedgerow is free of invasive non-native plant species (including those listed on Schedule 9 of WCA) and recently introduced species	No – target already achieved.	Not applicable.	Annual inspections will identify any invasive plant species. The removal of invasive plant species will be undertaken under a specific management plan and by a specialised Contractor if identified.

Target Habitat		Native hedgerow in moderate condition – enhanced to species-rich native hedgerow in moderate condition	
Target condition requirements		No more than two failures in total; and no more than one failure in any functional group	
Relevant Environmental Mitigation and Enhancement Areas (EMEA)		IPS_F	
Condition Assessment criteria	Targeted	Enhancement Approach	Management Approach
D2 – Current damage - >90% of the hedgerow or undisturbed ground is free of damage caused by human activities	No – target already achieved.	Not applicable.	Annual inspections will be carried out to ensure there is no disturbance within >1m width of the hedgerow (at least one side) Management to be adapted if required.

E.5 Biodiversity Net Gain – Management

E.5.1 A suitably qualified ecologist and arboriculturist will be appointed post-consent to update the HMMP and oversee the implementation and management of significant on-site enhancements included within the updated Biodiversity Gain Plan to be submitted for approval in accordance with the corresponding requirement in Schedule 2 to the draft DCO (Document reference 3.1, DCO Volume 3) for a minimum of 30 years.

E.5.2 Where the removal of vegetation for construction is not required, existing hedgerows, trees and other habitats will be retained and will be protected by measures set out in the Outline CEMP (Document reference 7.1, DCO Volume 7).

E.6 Biodiversity Net Gain – Monitoring

E.6.1 Monitoring will be undertaken by a suitably qualified ecologist to determine that any significant on-site enhancements included within the updated Biodiversity Gain Plan to be submitted for approval in accordance with the corresponding requirement in Schedule 2 to the draft DCO (Document reference 3.1, DCO Volume 3) are achieved and maintained for a minimum of at least 30 years from the completion of the habitat creation or enhancement works.

E.6.2 Monitoring will be undertaken in years 1, 2, 3, 5, 6, 8, 10, 15, 20, 25 and 30.

E.6.3 Monitoring will comprise of a UKHab survey and associated condition assessment of the establishing habitats at appropriate times of the year (April to September inclusive) throughout the 30 year period. Each survey will focus on establishing whether the targeted criteria in the HMMP in being achieved for each significant on-site enhancement included within the updated Biodiversity Gain Plan to be submitted for approval in accordance with the corresponding requirement in Schedule 2 to the draft DCO (Document reference 3.1, DCO Volume 3).

E.6.4 Outcomes of the monitoring surveys will help to inform adaptive habitat management and ongoing maintenance activities to ensure that biodiversity gains can be delivered.

E.6.5 A BNG monitoring report will be prepared after each monitoring survey and will include a summary of habitat type, extent and condition (with a comparison where applicable against the expected condition proposed in the HMMP). The BNG monitoring reports will be submitted to the relevant authority.

Glossary

Term	Description
Above Ground Plant (AGP)	This collectively refers to the Intermediate Pumping Stations and Break Pressure Tanks.
Biodiversity Net Gain (BNG)	This is an approach to development that delivers measurable improvements that delivers a net gain for biodiversity by creating or enhancing habitats.
Biodiversity Unit	'Biodiversity units' are used to describe relative biodiversity value. There are three types of biodiversity units: area habitat units, hedgerow units and watercourse units. Each of these are calculated in separate 'modules' of the Statutory Biodiversity Metric.
Contractor	The Applicant or a person appointed by the Applicant or by anyone else having the benefit of part or all of the Development Consent Order to carry out any construction element of the Proposed Development or to operate the Proposed Development.
Design principles	Design principles which reflect the design approach adopted for the Proposed Development and as set out in the Design Principles Document (Document reference 5.11, DCO Volume 5) and will control the detailed design post-consent in accordance with Schedule 2 of the draft Development Consent Order (Document reference 3.1, DCO Volume 3).
Environment Mitigation and Enhancement Area (EMEA)	The 'Environment Mitigation and Enhancement Areas' are shown on the Works plans (Document reference 2.3, DCO Volume 2) and in the Design Principles Document (Document reference 5.11, DCO Volume 5). The EMEAs will deliver environmental mitigation to mitigate adverse impacts and provide additional environmental enhancement within the Order Limits. The environmental enhancements that are not associated with environmental mitigation will only be implemented subject to securing agreements with landowners. EMEAs are in addition to the commitment to reinstate vegetation removed to facilitate construction throughout the Order Limits.
Habitat Management and Monitoring Plan (HMMP)	Details how land will be managed and monitored for Biodiversity Net Gain for at least 30 years.
Local Nature Recovery Strategy (LNRS)	Spatial strategy of 48 areas within England introduced by the Environment Act 2021. Each local nature recovery strategy will identify priorities for nature recovery and propose specific actions (measures) to restore nature and enhance biodiversity.
Nationally Significant Infrastructure Projects (NSIPs)	NSIPs are large scale major development projects in England or Wales which require permission under the Planning Act 2008. Projects are only defined as nationally significant if they meet the relevant threshold set out in the Planning Act 2008.
Project of national significance (PNS)	Large scale development that has been directed by the Secretary of State to be treated as development for which a Development Consent Order is required under Section 35 of the Planning Act 2008 due to being a project of national significance.

Term	Description
Statutory Biodiversity Metric (SBM)	Tool used to calculate, assess and demonstrate biodiversity gain.
Strategic Significance	The local significance of the habitat based on its location and the habitat type.

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