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STRATA STERLING BARNSLEY WEST

BARNSLEY WEST

BIODIVERSITY OFFSETTING ASSESSMENT

OCTOBER 2023

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BIODIVERSITY OFFSETTING ASSESSMENT

OCTOBER 2023

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EXECUTIVE SUMMARY

This report provides the results of a Biodiversity Net Gain assessment via the completion of a Biodiversity Metric (DEFRA Metric 4.0[1]) for a mixed use development scheme on land west of Barnsley, South Yorkshire. The assessment seeks to quantify the anticipated gains/losses in biodiversity though development and to consider Biodiversity Net Gain requirements as set out in the National Planning Policy Framework (NPPF 2023).

The calculation is informed by the Landscape Masterplan provided by Gillespies (2023), the Indicative Site plan provided by Bond Bryan (2023) and habitat data from the results of a Preliminary Ecological Appraisal Report and River Condition Assessment undertaken by Wardell Armstrong (2023).

Assuming there are no changes to the landscape design proposals and site layout, the mixed-use employment and residential scheme will deliver a +28.17% net gain in habitats, +27.49% net gain in hedgerows and -8.61% net loss in watercourses. This is equivalent to +123.59, +13.00 and -4.71 units for habitats, hedgerows and watercourses respectively.

The employment scheme alone will deliver a +22.33% net gain in habitats, +52.91% net gain in hedgerows and -71.46% net loss in watercourses. This is equivalent to +24.21, +11.17 and -3.56 units for habitats, hedgerows and watercourses respectively.

Given that the Biodiversity Net Gain policy requirements have been exceeded by on-site measures in habitats and hedgerows, there are no external offsetting or financial contributions to external schemes required. A loss in watercourse units has been identified, however this is an artefact of the Metric Calculation Tool. Any ditches lost will be fully compensated by 'Bioswales', which are coded in the area based calculations in the Metric rather than in the linear waterbodies calculation. It is therefore considered that there will be no net loss of linear waterbody habitat albeit this will change in form from ecologically poor dry and seasonally wet ditches, to 'Bioswales' designed to provide as much ecological enhancement as possible. 67m of ditch habitat will be lost, to be replaced by 61m of Bioswale.

A detailed Landscape and Biodiversity Management Plan will be required in order to confirm the habitat creation, management and monitoring requirements, over the 30 year management period.

[1] http://publications.naturalengland.org.uk/publication/6049804846366720

1 INTRODUCTION

1.1 Scope of Report

1.1.1 Wardell Armstrong LLP was commissioned by Strata Sterling Barnsley West Ltd to undertake a Biodiversity Offsetting Assessment in relation to a proposed mixed used residential and employment development project located on land west of Barnsley, South Yorkshire. The centre of the site has an approximate Ordnance Survey Grid Reference of SE 31778 07075. The purpose of the assessment is to quantify the biodiversity losses and gains arising from the proposed development and the requirement under the NPPF 2021 for development proposals to achieve a net gain in biodiversity.

1.1.2 This report is informed by a quantitative assessment using DEFRA's Biodiversity Offsetting Metric v.4.0 developed by Natural England and informed by biodiversity net gain guidance developed by CIRIA, CIEEM and IEMA. The baseline habitat information taken from the Preliminary Ecological Appraisal Report (PEAR) (Wardell Armstrong 2023) and a separate River Condition Assessment (Appendix 4). The future condition of the site was informed by referring to plans provided by Gillespies and Bond Bryran as follows:

- Drawing P11754-00-001-GIL-0100 Landscape Masterplan
- Drawing P11754-00-001-GL-0101 Phase 1 Landscape Design Sheet 1/2
- Drawing P11754-00-001-GL-0102 Phase 1 Landscape Design Sheet 2/2
- Drawing P11754-00-001-GL-0103 Employment Strategic Landscape Masterplan
- BWM-BBA-ZZ-XX-DR-A-1004 Proposed Indicative Site Plan

1.1.3 This assessment focusses on a quantitative assessment derived from the Biodiversity Offsetting Metric. The report does not consider wider qualitative assessments which are required as part of the overall BNG assessment process; such assessments are considered as part of the associated Environmental Statement.

1.2 Site Description and Context

1.2.1 The area of detailed ecological study referred to as the 'Site' is a large formerly open cast mine and surrounding land covering approximately 120 hectares. The site generally comprises open pastoral and arable fields, with associated boundary hedgerows, trees and ditches, and areas of semi-natural and ancient woodland. The pasture fields are heavily grazed by horses/ponies and sheep.

1.2.2 The site lies 2km west of Barnsley town centre on farmland between the communities of Gawber, Higham, Pogmoor, Redbrook and Barugh Green, immediately north-east of Junction 37 of the M1 motorway.

1.2.3 There are multiple statutory and non-statutory site within 2km of the development, most notably the Redbook Pastures LWS which lies 30m to the west. Craven Wood has been characterized as ancient (WA, 2023), and further parcels of ancient woodland are present nearby, the nearest of which are Langford Wood which lies 0.26km west and Hugset Wood which lies 0.74 km west.

2 BIODIVERSITY NET GAIN PRINCIPLES

2.1.1 Biodiversity net gain (BNG) is the overarching result of an assessment involving a quantitative assessment typically using a metric spreadsheet calculator and a qualitative assessment involving an overall assessment of the value of the habitat.

2.1.2 The overall requirement of the NPPF with regards to BNG is leaving a development with a greater ecological value than its previous condition. This has been interpreted in recent caselaw as being >1%. The assessment must show that the development design has followed the mitigation hierarchy, a clear order set to retain habitats and avoid biodiversity losses in situ. Only as a last resort, should damage or lost habitat be compensated for using biodiversity offsets.

2.2 The Environment Act

2.2.1 The Environment Act establishes a comprehensive legal framework for environmental improvement within the UK, forming one of the key measures to deliver the vision set out under the 25 Year Environment Plan. The preceding Environment bill has recently received Royal assent and hence its status is now an act of Parliament.

2.2.2 The Environment Act is intended to establish the structure for long-term environmental governance and accountability and includes key measures to drive improvements for nature. In particular, it introduces a mandatory requirement for biodiversity net gain in the planning system, to ensure that new developments enhance biodiversity and create new green spaces for local communities to enjoy. This will require developments to deliver a 10% improvement in biodiversity value, albeit this will not be a legal requirement until the legislation amends the current Town and Country Planning act, currently anticipated to occur during January 2024.

2.3 The Ten Principles of Biodiversity Net Gain

2.3.1 In achieving BNG any development is required to follow the ten good practice principles (CIEEM, 2021), each of which is summarised in Table 1, below. The assessment of whether the development can meet each of the ten principles, is provided in Appendix 1. This report principally considers Principle 5.

Table 1: *The Ten Principles*

Principle	Summary Description
Principle 1. Apply the Mitigation Hierarchy	This principle involves avoiding harm to biodiversity wherever possible, by carefully considering site location and layout relative to the presence of valuable ecological features. If harm cannot be avoided this should be reduced (mitigated) by design considerations and/or timing the works to avoid sensitive periods etc. Finally, if harm cannot be mitigated, it may be appropriate to compensate for losses that cannot be avoided. If compensating for losses within the site is not possible or does not generate the most benefits for nature conservation, then consideration should be given to 'offset' biodiversity losses by ensuring gains elsewhere. Offsetting is therefore synonymous with compensation in this context.
Principle 2. Avoid losing biodiversity that cannot be offset by gains elsewhere	Avoid impacts on irreplaceable biodiversity - these impacts cannot be offset to achieve overall biodiversity gain. The NPPF (2023) definition of irreplaceable habitat is as follows: Habitats which would be technically very difficult (or take a very significant time) to restore, recreate or replace once destroyed, considering their age, uniqueness, species diversity or rarity. They include ancient woodland, ancient and veteran trees, blanket bog, limestone pavement, sand dunes, salt marsh and lowland fen.
Principle 3. Be inclusive and equitable	It is essential that stakeholders are engaged early in the process. Wherever possible stakeholders should be involved in designing, implementing, monitoring and evaluating the approach to net gain.
Principle 4. Address risks	It is necessary to mitigate difficulty, uncertainty and other risks to achieving BNG. Apply well-accepted ways to add contingency when calculating biodiversity losses and gains in order to account for any remaining risks, as well as to compensate for the time between the losses occurring and the gains being fully realised.
Principle 5. Make a measurable Net Gain contribution	Achieve a measurable, overall gain for biodiversity and the services ecosystems provide while directly contributing towards nature conservation priorities.

Principle 6. Achieve the best outcomes for biodiversity	Achieve the best outcomes for biodiversity by using robust, credible evidence and local knowledge to make clearly-justified choices when: • Delivering compensation that is ecologically equivalent in type, amount and condition, and that accounts for the location and timing of biodiversity losses • Compensating for losses of one type of biodiversity by providing a different type that delivers greater benefits for nature conservation • Achieving Net Gain locally to the development while also contributing towards nature conservation priorities at local, regional and national levels • Enhancing existing or creating new habitat • Enhancing ecological connectivity by creating more, bigger, better and joined areas for biodiversity
Principle 7. Be additional	Nature conservation outcomes should be sought that demonstrably exceed existing obligations i.e. do not seek to deliver something that would occur anyway.
Principle 8. Create a Net Gain legacy	Ensure Net Gain generates long-term benefits by: • Planning for adaptive management and securing dedicated funding for long-term management • Engaging stakeholders and jointly agreeing practical solutions that secure Net Gain in perpetuity • Designing Net Gain for biodiversity to be resilient to external factors, especially climate change • Mitigating risks from other land uses • Avoiding displacing harmful activities from one location to another • Supporting local-level management of Net Gain activities
Principle 9. Optimise sustainability	Prioritise Biodiversity Net Gain and, where possible, optimise the wider environmental benefits for a sustainable society and economy.
Principle 10. Be transparent	Communicate all Net Gain activities in a transparent and timely manner, sharing the learning with all stakeholders.

3 METHODS

3.1 Overview

3.1.1 The DEFRA Biodiversity Metric 4.0 (Natural England, 2023) is a spreadsheet tool which enables losses and potential gains in biodiversity to be calculated. The calculation defines biodiversity units to illustrate the change in value arising from a development. Biodiversity units are calculated using the size of a parcel of habitat and its quality. The metric uses habitat area as its core measurement, except for linear habitats where habitat length is used.

3.1.2 To assess the quality of a habitat the metric scores habitats of different types, such as woodland or grassland, according to their relative biodiversity value. Habitats that are scarce or declining typically score highly relative to habitats that are more common and widespread. The metric also takes account of the condition of a habitat. The metric accounts for the location of the habitat relative to other similar habitats to measure its connectedness in the landscape. Being 'better' and 'more joined-up' are important facets of habitats that can contribute to halting and reversing biodiversity declines. The metric also accounts for whether or not the habitat is sited in an area identified locally, typically in a relevant policy or plan, as being of significance for nature'.

3.2 Habitat Assessment and Mapped Output

3.2.1 The system of habitat classification used is based upon the UK Habitat Classification or UKHab (UKHab, 2023), rather than Phase I (JNCC 2016). In this case habitats were mapped in the field according to UKHab, with minimum mapping unit (MMU) resolution set at 25m^2. The map legend displayed on Drawing LD10361.003 Biodiversity Net Gain Baseline Habitat presents the relevant UKHab communities recorded on site.

3.2.2 To calculate the total 'tree' area for parkland/scattered trees, the root protection area (RPA) is required in the baseline information. Where this is not available a default RPA of 15m diameter is used.

3.2.3 Three drawings are presented as follows:

- LD10361.003 Biodiversity Net Gain – Baseline Habitat
- LD10361.024 Biodiversity Net Gain – Habitat Creation
- LD10361.025 Biodiversity Net Gain – Habitat Retention

3.2.4 Each drawing shows current or post development polygons and linear features labelled with an alpha numeric code e.g. MG1 (Modified Grassland 1), SRH2 (Species Rich Hedge 2) which is replicated in the 'assessor comments' column in the Metric 4 spreadsheet. This enables rapid cross referencing between the drawings and the spreadsheet.

3.3 Area and Length

3.3.1 The area of identified habitats is calculated in hectares (ha), ignoring linear features such as hedgerows or ditches (the area is measured to the centre line of such features). The length of linear features is measured separately in kilometres (km). The area of habitats beneath 'street trees' is also mapped contiguously with surrounding habitats with the canopy area presented separately in the Metric. Where hedgerows lie adjacent to a ditch, the ditch is incorporated into the linear hedgerow habitat and disregarded in the watercourse habitats calculation, in accordance with the User Guide and Technical Supplement Guidelines.

3.4 Distinctiveness

3.4.1 Existing information on habitat types within the Application Site is taken from the UKHab Habitat and Vegetation Habitat Survey Results of the Preliminary Ecological Appraisal. The area and habitats data are then imputed into the Metric 4.0 calculation tool and habitats are pre-assigned to one of four habitat bands, based on their distinctiveness:

- V. High 8
- High: 6
- Medium: 4
- Low: 2
- None 0

3.4.2 Distinctiveness is defined as a collective measure of biodiversity based on parameters including species richness, diversity and rarity.

3.4.3 Removal of habitats of V. high distinctiveness should be avoided at all costs and if considered necessary then bespoke compensation is likely to be required. Removal of habitats of high distinctiveness should also be avoided and if considered necessary then the same habitat is required. Regarding medium distinctiveness habitats these

are required to be compensated for with the same broad habitat or a higher distinctness habitat.

3.5 Condition Assessment

3.5.1 Each habitat type identified is then given a condition weighting. The methodology used to assign a condition weighting to each habitat type is based on the DEFRA Metric Technical Supplement, User Guide[2] and professional judgement. Condition weightings provide a multiplier based on the following outputs:

- Good condition: All criteria met, with minor variation
- Moderate Condition: All but one/two criterion met
- Poor Condition: Five or more criteria failed, unless specified alternatively

3.5.2 A summary of the condition assessment for each habitat is presented in Section 4 Results (below).

3.6 Strategic Significance

3.6.1 Strategic significance gives additional unit value to habitats that are located within preferred locations for biodiversity and environmental objectives. The habitats will usually have been summarised in a local strategy planning document which articulates where biodiversity is of high priority and the places where it is less so. Strategic significance utilises published local plans and objectives to identify local priorities for targeting biodiversity and nature improvement, such Nature Recovery Areas, local biodiversity plans, National Character Area objectives and green infrastructure strategies.

3.6.2 A score based on whether the location of the Site has been identified locally as significant for nature conservation of either Low, Medium or High Significance, as follows:

High Strategic Significance (High potential & within area formally identified in local policy)

Medium Strategic Significance (Good potential but not in area defined in local policy)

Low Strategic Significance (Low potential and not in area defined in local policy)

[2] http://publications.naturalengland.org.uk/publication/6049804846366720

3.7 Rivers and Streams

3.7.1 The rivers section of Metric 4.0 is assessed separately to the habitats and hedgerows, habitats including rivers and streams is assessed using the modular river physical habitat field survey (MoRPh) methodology. Ditches and canals are assessed using condition assessments in DEFRA Metric Technical Supplement and User Guide.

3.7.2 The River Condition Assessment (RCA) method combines the MoRPh field surveys with a desk study (River Type) to generate a final condition score based on the evaluation of 32 Condition Indicators (CIs) which represent positive and negative attributes of the fluvial river reach under investigation.

3.7.3 Two waterbodies were assessed during the MoRPh field surveys and the Desk study. The locations and extent of the watercourses surveyed, and their baseline condition scores are displayed on Drawing LD10361.032 MoRPh River Survey Results. The MoRPh field survey was undertaken on 19th July 2023 and the desk study (river type) was undertaken on 17th August 2023.

3.8 Quality Assurance & Environmental Management

3.8.1 The calculation and the report have been overseen, checked and verified by a member of CIEEM, whom is bound by its code of professional conduct. All surveys and assessments have been undertaken with reference to the recommendations given in British Standard BS 8683:2021 (2021) *Process for Designing and Implementing Biodiversity Net Gain* and as stated within specialist guidance, as appropriate and referenced separately.

3.8.2 ArcGIS software was used to obtain all baseline and predicted final development and offsetting areas. Any alterations to the final area results must be completed using the same software.

3.9 Limitations

3.9.1 Drawings P11754-00-001-GIL-0100 Landscape Masterplan and BWM-BBA-ZZ-XX-DR-A-1004 Proposed Indicative Site Plan provided by Gillespies and Bond Bryran respectively have been used to inform details of proposed habitats following completion of the development. Any subsequent revisions will require an update to the assessment presented in this report.

3.9.2 Any habitat that remains unaltered in the Landscape Masterplan has been assumed to be retained by the assessor.

3.9.3 The BIA (quantitative) calculations should not be considered in isolation or be taken to be the only biodiversity requirements relevant to the proposed development. It will be necessary to consider other qualitative assessment of ecological/biodiversity value including protected species assessments. In this case, the qualitative assessment elements will be included within the environmental statement (WA, 2023).

3.9.4 The condition assessments of individual habitats are seasonal and although a habitat survey can be completed throughout the year, the optimal period for botanical surveys when most species are showing is between April and September.

4 RESULTS

4.1 Habitats Baseline and Condition Assessment

4.1.1 Table 2 (below) provides a summary of baseline habitat conditions. Habitat descriptions are split where necessary to allow heterogeneous stands/polygons to be described. Alpha numeric codes are provided in parentheses to allow cross referencing with Drawing LD10374.001 Habitat Baseline.

4.1.2 The table also provides a summary and rationale for the condition assessment with justification for any deviation from the guideline recommendations.

Table 2: *Habitat Description and Condition Assessment Summary*

Baseline Habitat	Habitat Description	Strategic Significance	Condition Assessment
Area Features			
Woodland – Lowland mixed deciduous woodland (W1 – W4)	Three parcels of woodland are present to the east of the site. The Craven Wood has been continually wooded since at least 1821 and is therefore considered likely to be ancient (Ancient Woodland Assessment, ES Appendix 7.8). Parcel W4 was not assessed to be ancient, but remains a priority woodland habitat.	Formally identified, s.41 and LBAP 'Mixed deciduous woodland'.	Good – 32 points Moderate – 30 out of 39 points. W1 – 32 points. Loses points due to open space, ash dieback, no veteran trees present and nutrient enrichment evident. W2-W3 – 30 points. Loses points due to browsing pressure, open space, ash dieback, no veteran trees and nutrient enrichment evident. W4 – 23 points. Loses points due to age class of parcel, lack of diversity, browsing pressure, open space, ash dieback, no veteran trees and nutrient enrichment evident.
Grassland – Other neutral grassland (G1, G2, G7)	Located to the north and east of the site, isolated grassland fields which are infrequently grazed are present. This habitat type also includes a small marshy grassland area, previously recorded as a pond (WGY, 2021)	Formally identified, LBAP 'Amenity grassland'.	Moderate – 4 out of 5 criteria met. Fails B – sward closely grazed, and E – cover of species indicative of sub-optimal condition over 5%.
Grassland – Modified grassland (G3-G6, G8-G31)	The predominate habitat type across the site, with the majority of fields being species poor and heavily grazed/ cut for silage. Residential gardens are also present within the Hermit House Farm.	Formally identified, LBAP 'Amenity grassland'.	Good – G4, G5, G6 - 6 out of 7 criteria met. Fails B – sward height short. Moderate – G3, G7, G8, G9

Baseline Habitat	Habitat Description	Strategic Significance	Condition Assessment
			- 4 out of 7 criteria met. Fails B – sward heavily grazed, D – physical damage over 5% and E - bare ground over 10%. Poor – G10 – G31 - 4 out of 7 criteria met. Fails A – fewer than 6 species per $m^{2,}$ C – scrub over 20% and E - bare ground over 10%.
Cropland – Cereal crops (A1- A5)	Cereal fields are present to the south and southeast of the site.	None.	N/A
Heathland and shrub – Mixed scrub (SC5 – SC8)	Mixed scrub is scattered throughout the site, with species dominated by hawthorn *Crataegus monogyna*, bramble *Rubus* fruticosus with occasional rose sp, snowberry *Symphoricarpos albu* and *gorse Ulex europea*.	Formally identified, LBAP 'Scrub'.	Moderate – 3 or 4 out of 5 criteria. Fails C – species indicative of suboptimal condition >5% and/or D – no well-developed edge.
Heathland and shrub – Bramble scrub (SC1 – SC3)	Dense bramble scrub is present adjacent to the woodland north of Hermit Lane.	Formally identified, LBAP 'Scrub'.	N/A
Heathland and shrub – Gorse scrub (SC4)	Dense scrub in which gorse becomes dominant.	Formally identified, LBAP 'Scrub'.	Moderate –4 out of 5 criteria. Fails C – species indicative of suboptimal condition >5%.
Lakes - priority Pond (P1-P3)	Three waterbodies are present on Site; within Craven Wood, to the southwest of Hermit Lane and to the southeast of the Site (i.e marshy grassland area).	Formally identified, LBAP 'Standing water.	Moderate – 7 or 8 out of 9 criteria met. Fails B – non-natural habitat present within 10m, and/or C – more than 10% duckweed cover, and/ or H – plants cover level than 50%.
Sparsely vegetated land – Tall forb (S1- S3)	Tall ruderal species with areas of bare ground present. Species include broad-leaved dock *Rumex Obtusifolius* and nettle *Urtica dioica*. Heavily grazed.	Ecologically desirable.	Good – 3 out of 3 criteria met. Moderate – 2 out of 3 criteria met. Fails A – Vegetation structure not varied.

Baseline Habitat	Habitat Description	Strategic Significance	Condition Assessment
Urban – Developed land; sealed surface (U1-U6)	Hermit Lane and Hermit House Farm comprise concrete/asphalt hardstanding. Multiple buildings are present within the centre of the site, forming Hermit House Farm.	None.	N/A
Urban – Bare ground (BG1, BG2)	Small parcels of bare ground are present to the west and centre of the site, whereby high levels of horse trampling have removed the vegetation.	None.	Poor – 1 out of 3 criteria met. Fails A – Vegetation structure not varied and B – no plant species present.
Linear Features			
Native hedgerow (H1, H2, H2a, H5-H9, H14 - H19, H20, H21, H23, H30-H34)	Hawthorn dominant hedgerows border many of the fields throughout the site. The condition of hedgerows varies across the site, with both defunct and stockproof hedges.	Formally identified, s.41 and LBAP 'Hedgerow'.	Good – H5, H12, H14, H15, H20, H23 - 2 failures. Fails C1 due to disturbed ground and D2 due to damage. Moderate – H1, H2, H2a, H7, H16, H17, H19, H21, H34 - 4 failures. Fails A2 as width >1.5m, B1 as ground gap >0.5m, B2 as gaps >10%, C2 as nutrient enrichment indicators >20%. Poor – H6, H8, H9, H30 - H32 - 5 failures. Fails A2 as width >1.5m, B1 as ground gap >0.5m, B2 as gaps >10%, C1 as disturbed ground present and C2 as nutrient enrichment indicators >20%.
Native hedgerow with trees (H10, H13, H22, H35)	Four hawthorn dominant hedgerows contain mature trees.	Formally identified, s.41 and LBAP 'Hedgerow'.	Moderate – H10, H13, H22 - 3 failures. Fails C1 as disturbed ground present, C2 as nutrient enrichment indicators >20% and D2 as >90% is damages by human activity. Poor – H35 - 5 failures. Fails B1 as ground gap >0.5m, B2 as

Baseline Habitat	Habitat Description	Strategic Significance	Condition Assessment
			gaps >10%, C1 as disturbed ground present, C2 as nutrient enrichment indicators >20% and D2 as >90% is damages by human activity.
Native hedgerow – Associated with a bank or ditch (H11, H29)	Hawthorn dominant hedgerows to the north and south contained, or were directly adjacent to, ditches.	Formally identified, s.41 and LBAP 'Hedgerow'.	Poor – 5 failures. Fails B1 as ground gap >0.5m, B2 as gaps >10%, C1 as disturbed ground present, C2 as nutrient enrichment indicators >20% and D2 as >90% is damages by human activity.
Species rich native hedgerow (H3, H24-H28)	A number of hedgerows throughout the site become more species rich with native species including gorse *Ulex europaeus* and elm *Ulmus spp*.	Formally identified, s.41 and LBAP 'Hedgerow'.	Good – H3. - 2 failures. Fails B1 as ground gap >0.5m and C2 as nutrient enrichment indicators >20%. Moderate – H24-H28. - 4 failures. Fails A2 as width >1.5m, B1 as ground gap >0.5m, B2 as gaps >10%, C1 as disturbed ground present.
Species rich native hedgerow with trees (H4)	Hedgerow 4 was species rich with the addition of mature trees.	Formally identified, s.41 and LBAP 'Hedgerow'.	Moderate - 3 failures. Fails B1 as ground gap >0.5m, B2 and hedge gaps >10%, C2 as nutrient enrichment indicators >20% and D2 as >90% is damages by human activity.
Ecologically valuable line of trees (H20a)	A line of trees is present to the east of the site, which contains mature specimens.	Ecologically desirable.	Moderate – 3 out of 5 criteria met. Fails B as canopy gaps >10% and D and disturbed ground present.
Watercourse Features			
Other rivers and streams (D1, D6)	A tributary of the River Dearne flows through the Craven Wood.	Formally identified, LBAP 'Running water'.	Fairly Good/Moderate – See Appendix 4 for full river assessment details.
Ditches (D2-D5)	Ditches that support surface water runoff following heavy rain, present within the north and south of the site.	Ecologically desirable.	Poor – 4 out of 8 criteria met. Fails A – pollution evident, B – range of plant absent, D – marginal vegetation absent and F – sufficient water levels not maintained.

Baseline Habitat	Habitat Description	Strategic Significance	Condition Assessment
Point Features			
Individual tree – Rural tree	19 large individual trees are scattered throughout the site, typically mature ash and pedunculate oak.	Ecologically desirable.	Good – 6 out of 6 criteria met.

N.b. H33 (as recorded in 2021 by WYG) was recorded within H34 during the 2022/2023 assessment.

4.2 Post Development Habitats

4.2.1 Table 3 (below) provides a summary of the proposed habitats following completion of development. This includes all habitats to be created as well as those which will be Enhanced and Retained. Alpha numeric codes are provided in parentheses to allow cross referencing with Drawing LD10361 024 Biodiversity Net Gain Habitat Creation and LD10361 025 Biodiversity Net Gain Habitat Retention.

Table 3 *Post Development Habitat Summary*

Proposed Habitat	Habitat Description	Strategic Significance	Condition Assessment
Area Features			
Woodland – Lowland mixed deciduous woodland (W1 – W4)	The existing woodland will be retained with a 15m buffer to any works or plant access. Buffer scrub plantings will be placed to protect roots.	Formally identified, s.41 and LBAP 'Mixed deciduous woodland'.	Good – 32 points. W1 – Loses points due to open space, ash dieback, no veteran trees present and nutrient enrichment evident. Moderate – 30 out of 39 points. W2-W3. Loses points due to browsing pressure, open space, ash dieback, no veteran trees and nutrient enrichment evident.
Woodland – Other woodland; mixed (W5 – W6)	Boundary woodland will be created around the site, as well as a screening woodland between the employment area and residential area. There will be a mix of deciduous and evergreen species planted, all of which will be native.	Ecologically desirable.	Moderate – 26 points. Loses points due to limited age class of woodland, no recognisable NVC understorey, and age of trees.

Proposed Habitat	Habitat Description	Strategic Significance	Condition Assessment
Grassland – Other neutral grassland (G33 – G36)	A range of other neutral grassland types are proposed throughout the site, which will vary in species composition and richness. These include traditional wildflower meadow and species rich grassland.	Formally identified, LBAP 'Amenity grassland'.	Moderate – 4 out of 6 criteria met. Fails B – sward height unlikely to be varied and F – fewer than 10 species per m^2.
Grassland – Traditional Orchards (G32)	Community orchards are proposed throughout the site, within open public spaces. Proposed Trees Type 5 will be planted, which include small fruit trees, upon species rich grassland.	Formally identified, s.41 and LBAP 'Traditional orchards'.	Moderate – 5 out of 8 criteria met. Fails A – no ancient or veteran trees, B – no deadwood on trees and E – human damage likely.
Grassland – Modified grassland (G37)	Short mown amenity grass is proposed within the open public areas, particularly to the west of the site.	Formally identified, LBAP 'Amenity grassland'.	Poor – 5 out of 7 criteria met. Fails A – fewer than 6-8 vascular plant species per m^2 and B – sward height short.
Heathland and shrub – Gorse scrub (SC9)	Rocky gorse shrub will be created to the southeast of the site.	Formally identified, LBAP 'Scrub'.	Moderate – 3 out of 5 criteria met. Fails B – seedling and saplings unlikely to be present, E – clearing and ride unlikely to be present.
Heathland and shrub – Mixed scrub (SC10)	Mixed scrub is proposed throughout the site, as transitional habitats between grassland and woodland. The ancient woodland will also be buffered by a mixed scrub. A number of native species will be selected.	Formally identified, LBAP 'Scrub'.	Moderate – 3 out of 5 criteria met. Fails B – seedling and saplings unlikely to be present, E – clearing and ride unlikely to be present.
Wetland – Reedbed (RE1)	Small parcels of reedbed will be created within the wet meadow, adjacent to the standing open water.	Formally identified, s.41 and LBAP 'Reedbed.	Moderate – 5 out of 6 criteria met. Fails I – reedbed unlikely to have a diverse structure.
Lakes - priority Pond (P4)	A large pond will be created to the south of the development, which will be partially vegetated with inundation species. The pond within Craven Wood will be retained.	Formally identified, LBAP 'Standing water.	Moderate – 7 out of 9 criteria met. Created: C – pond will be artificially connected, E – water levels will be a result of drainage. Retained: Fails B – non-natural habitat present within 10m, and C – more than 10% duckweed cover.

Proposed Habitat	Habitat Description	Strategic Significance	Condition Assessment
Urban – Sustainable Urban Drainage Systems (SUD1)	Proposed attenuation basins are scattered throughout the site, which will hold some form of permanent water. Within the SUDs, dense scrub, wetland meadow and marginal planting are proposed.	Ecologically desirable.	Good – 5 out of 5 criteria met.
Urban – Introduced shrub (U9)	Small parcels of ornamental shrub planting are to be created within open public areas throughout the development. Species are expected to be largely non-native.	Ecologically desirable.	N/A
Urban – Bioswale (SW1)	Bioswales will be created throughout the development, to fill with standing water during/after periods of heavy rain.	Ecologically desirable.	Moderate – 4 out of 5 criteria met. Fails A – vegetation structure unlikely to be varied.
Urban – Allotments (U8)	A number of community allotments are proposed to the west of the site.	Formally identified, LBAP 'Built-up areas and gardens'	Good – 3 out of 3 criteria met.
Urban – Vegetated gardens (U7)	The residential properties will have both front and back vegetated gardens.	Formally identified, LBAP 'Built-up areas and gardens'	N/A
Urban – Developed land; sealed surface (U10-U22)	The buildings, formal and informal play areas, active travel routes and recreational routes, as well as associated infrastructure, will form hard standing. A mix of asphalt, concrete and tarmac will be used.	None.	N/A
Urban – Artificial unvegetated; unsealed surface (U23)	A public access route running throughout the site will be formed using bark mulch.	None.	N/A

Proposed Habitat	Habitat Description	Strategic Significance	Condition Assessment
Linear Features			
Species rich native hedgerow (H5, H7, H12, H14-H17, H19).	Native hedgerows will be retained wherever possible, with RPA outlined in the BEMP (WA, 2023). Hedges will be trimmed every 3 years to achieve an overall height of 3m. Any defunct hedgerows will be 'gapped up' using a mix of native species.	Formally identified, s.41 and LBAP 'Hedgerow'.	Good – 1 failure, C1 – disturbed ground present.
Species rich native hedgerow with trees (H13)	The northeastern boundary hedgerow will be retained and enhanced. RPA outlined in BEMP (WA, 2023).	Formally identified, s.41 and LBAP 'Hedgerow'.	Good – 1 failure, C1 – disturbed ground present.
Species rich native hedgerow – Associated with a bank or ditch (H11)	The northeastern boundary hedgerow will be retained and enhanced. RPA outlined in BEMP (WA, 2023).	Formally identified, s.41 and LBAP 'Hedgerow'.	Good – 1 failure, C1 – disturbed ground present.
Species-rich native hedgerow (H36 – H51)	Newly created species-rich hedgerows will be created throughout the development using a mix of native species. Hedges will be maintained to over 1.5m in height and width.	Formally identified, s.41 and LBAP 'Hedgerow'.	Good – 1 failure, C1 – disturbed ground present.
Line of trees (TL1 – TL9)	Line of trees will be planted to form buffers around the site, acting as amenity features.	Ecologically desirable.	Moderate – 3 out 5 criteria met. Fails C as deadwood unlikely and D – ground on one or both sides will be disturbed.
Watercourse features			
Other rivers and streams (D1, D6)	Watercourses present within the ancient woodland will be retained.	Formally identified, LBAP 'Running water'.	Fairly Good/Moderate – See Appendix 4 for full details.
Ditch (D2)	The ditch along the northeastern boundary will be retained.	Ecologically desirable.	Poor – 4 out of 8 criteria met. Fails A – pollution evident, B – range of plant absent, D – marginal vegetation absent and F – sufficient water levels not maintained.

Proposed Habitat	Habitat Description	Strategic Significance	Condition Assessment
Point Features			
Individual trees – urban trees	Planted trees are to be scattered throughout the development. These will be a mix of native species, so that mature specimens vary in height; Proposed Trees Type 1 will be large, Type 2 and 3 will be medium. Whilst groups of trees may have an overlapping canopy cover, all trees will be planted at a maximum 25% density over grassland, meaning they meet the definition of 'Individual trees' as opposed to 'woodland'[3].	Ecologically desirable.	Good – 4 out of 6 criteria met. Fails C as trees unlikely to be fully mature and E and deadwood unlikely to be present.

4.3 Development Phasing

4.3.1 A delay in habitat creation has been incorporated into the metric calculation in order to account for the phasing of development and the time taken to landscape the Site. It is assumed that the development will come forward in 2024, with that being the start of habitat creation. Drawing BWM BBA ZZ XX DR A 1005 S2 P03 supplied by Bond Bryan (2023) has been used. The phases are timed as follows:

- Residential Area:
  - R1: 2024 – 2030;
  - R2: 2025 – 2030;
  - R3: 2030 – 2032;
  - R4: 2030 – 2034;
  - R5: 2026 – 2030;
  - R6: 2027 – 2036;
  - R7: 2025 – 2029.
- Employment Area: 2024 – 2027;
- Commercial Area: 2026 – 2027;
- Strategic Infrastructure:
  - SI1: 2024 – 2025;

[3] UKHab (2023). UK Habitat Classification Version 2.0. Page number 48. Woodland and Forest. Natural England Joint Publication (2023) The Biodiversity Metric 4.0 User Guide. Section 8.3.5.

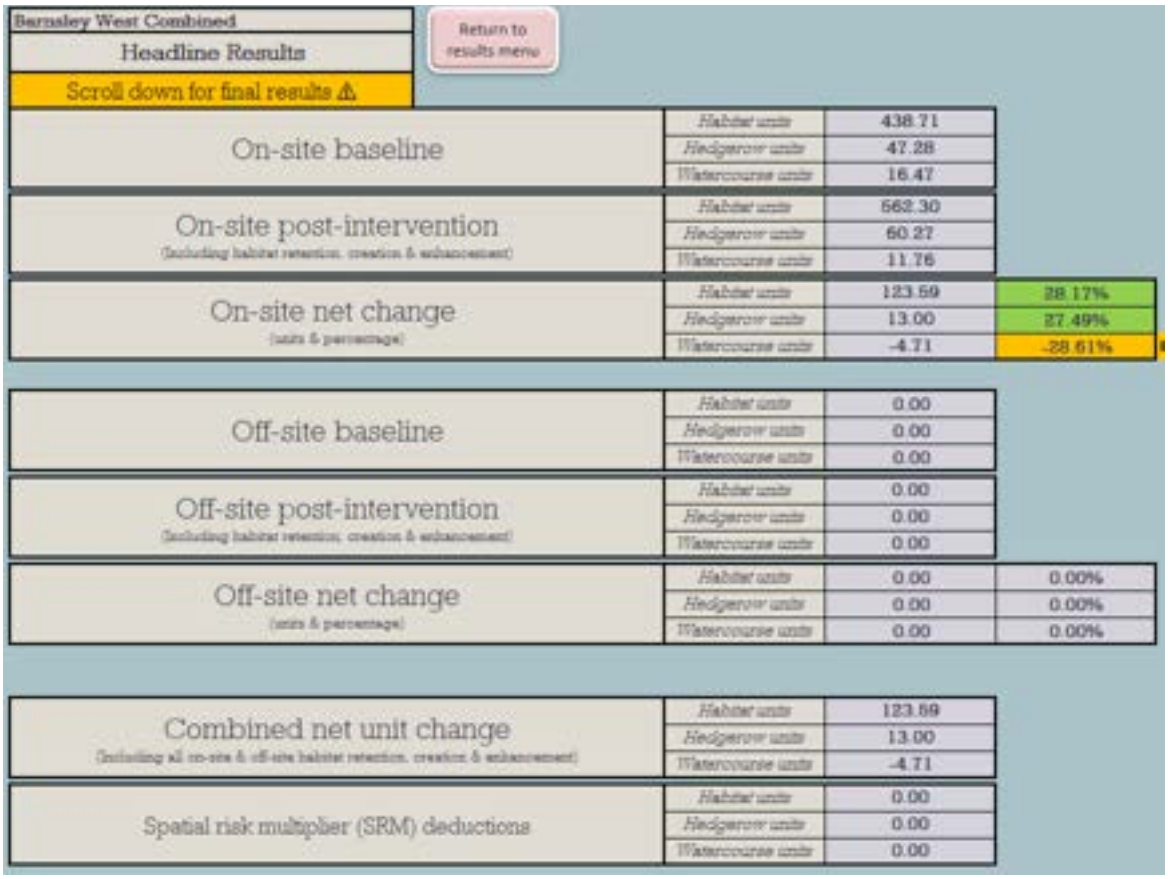
- SI2: 2025 – 2026;
- SI3: 2025 – 2026;
- SI4: 2026 – 2027; and
- SI5: 2025 – 2026.

4.3.2 Full details of the phasing plan are detailed in the ES Chapter (WA, 2023).

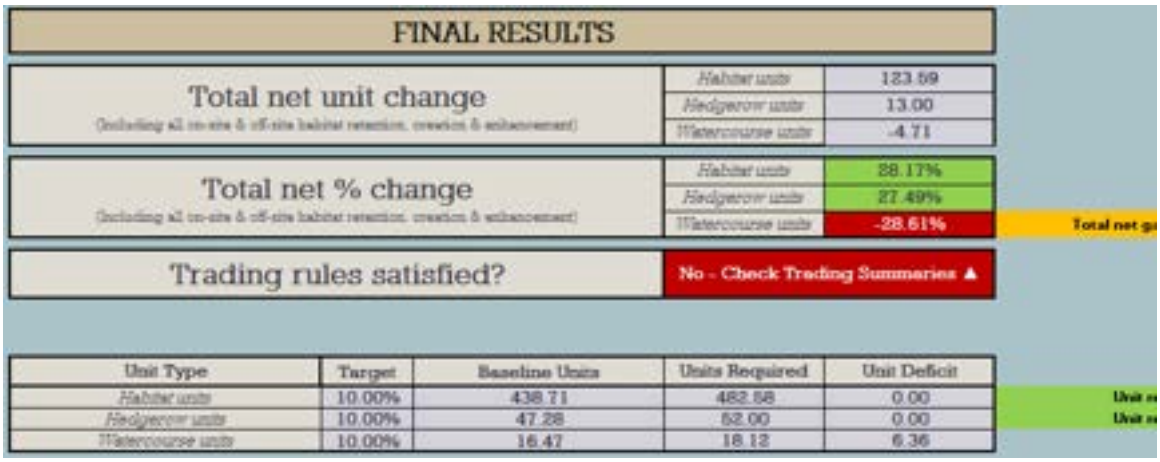
4.4 Quantitative Assessment Results – Combined Employment and Residential Area

4.4.1 The site shows losses of high, medium, low and very low distinctiveness categories, the habitat losses are focussed in the medium, low and very low distinctiveness categories. Plates 1 and 2 provide a summary of the Metric 4.0 assessment.

4.4.2 Plate 1: Extract from Defra Metric 4.0 'Headline Results' summary.



Barnsley West Combined – Headline Results			
Return to results menu			
Scroll down for final results ⚠			
On-site baseline	Habitat units	438.71	
	Hedgerow units	47.28	
	Watercourse units	16.47	
On-site post-intervention (including habitat retention, creation & enhancement)	Habitat units	562.30	
	Hedgerow units	60.27	
	Watercourse units	11.76	
On-site net change (units & percentage)	Habitat units	123.59	28.17%
	Hedgerow units	13.00	27.49%
	Watercourse units	-4.71	-28.61%
Off-site baseline	Habitat units	0.00	
	Hedgerow units	0.00	
	Watercourse units	0.00	
Off-site post-intervention (including habitat retention, creation & enhancement)	Habitat units	0.00	
	Hedgerow units	0.00	
	Watercourse units	0.00	
Off-site net change (units & percentage)	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)	Habitat units	123.59	
	Hedgerow units	13.00	
	Watercourse units	-4.71	
Spatial risk multiplier (SRM) deductions	Habitat units	0.00	
	Hedgerow units	0.00	
	Watercourse units	0.00	

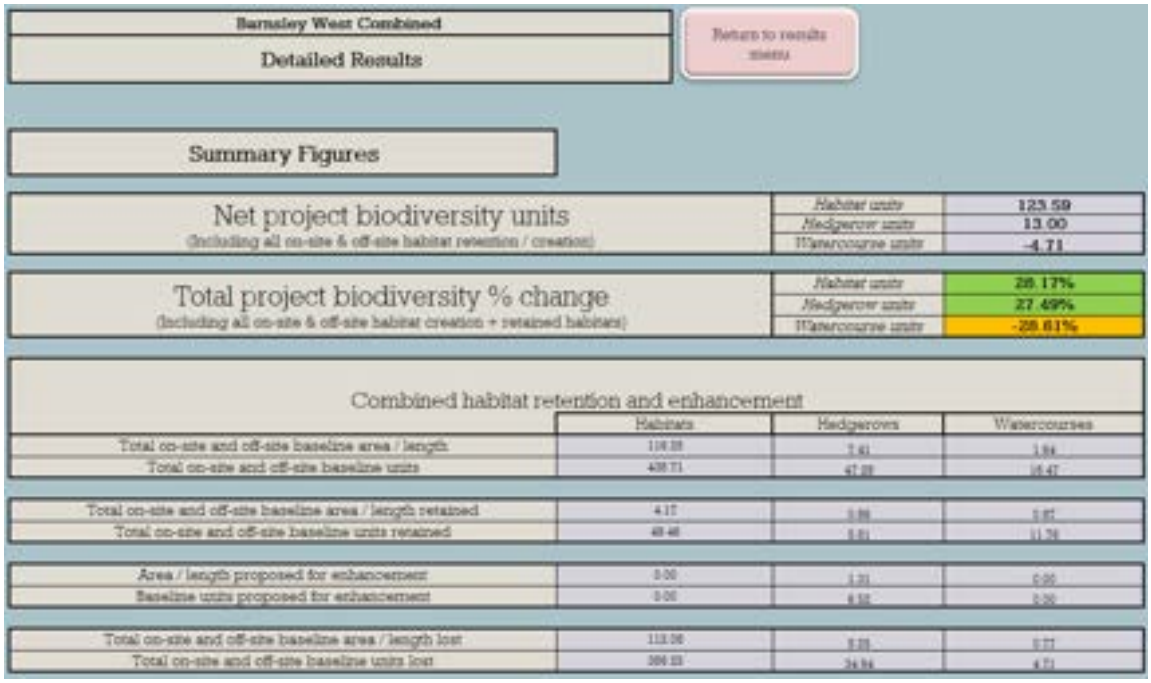


FINAL RESULTS

Total net unit change (Including all on-site & off-site habitat retention, creation & enhancement)	Habitat units	123.59
	Hedgerow units	13.00
	Watercourse units	-4.71
Total net % change (Including all on-site & off-site habitat retention, creation & enhancement)	Habitat units	28.17%
	Hedgerow units	27.49%
	Watercourse units	-28.61%
Trading rules satisfied?		No - Check Trading Summaries ▲

Unit Type	Target	Baseline Units	Units Required	Unit Deficit
Habitat units	10.00%	438.71	482.58	0.00
Hedgerow units	10.00%	47.28	52.00	0.00
Watercourse units	10.00%	16.47	18.12	6.36

Plate 2: Extract from Defra Metric 4.0 'Detailed Results' summary



Barnsley West Combined

Detailed Results

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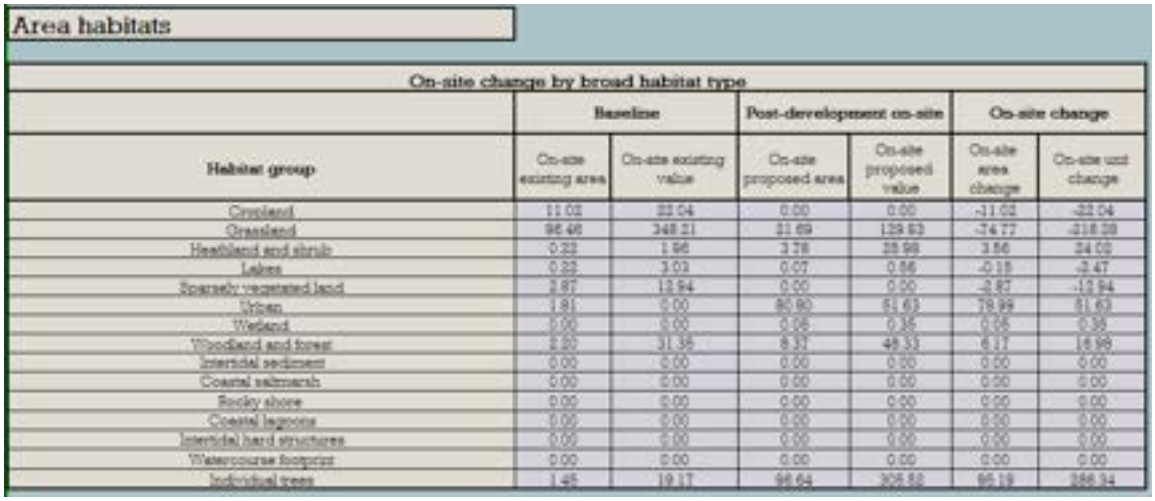
Summary Figures

Net project biodiversity units (Including all on-site & off-site habitat retention / creation)	Habitat units	123.59
	Hedgerow units	13.00
	Watercourse units	-4.71
Total project biodiversity % change (Including all on-site & off-site habitat creation + retained habitats)	Habitat units	28.17%
	Hedgerow units	27.49%
	Watercourse units	-28.61%

Combined habitat retention and enhancement

	Habitats	Hedgerows	Watercourses
Total on-site and off-site baseline area / length	110.59	7.41	1.84
Total on-site and off-site baseline units	438.71	47.28	16.47
Total on-site and off-site baseline area / length retained	4.17	0.98	0.67
Total on-site and off-site baseline units retained	49.48	5.81	11.76
Area / length proposed for enhancement	0.00	1.31	0.00
Baseline units proposed for enhancement	0.00	4.32	0.00
Total on-site and off-site baseline area / length lost	110.59	5.35	0.77
Total on-site and off-site baseline units lost	388.93	34.94	4.71



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	11.02	22.04	0.00	0.00	-11.02	-22.04
Grassland	96.46	348.21	21.69	139.63	-74.77	-218.28
Heathland and shrub	0.22	1.96	3.78	25.98	3.56	24.02
Lakes	0.22	3.03	0.07	0.56	-0.15	-2.47
Sparsely vegetated land	2.87	13.94	0.00	0.00	-2.87	-13.94
Urban	1.81	0.00	80.80	51.63	78.99	51.63
Wetland	0.00	0.00	0.08	0.35	0.08	0.35
Woodland and forest	2.20	31.35	8.37	48.33	6.17	16.98
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	1.45	19.17	96.64	305.51	95.19	286.34

Hedgerows and lines of trees

On-site change by hedgerow type

Hedgerow type	Baseline		Post-development on-site		On-site change	
	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	0.00	0.00	0.00	0.00	0.00	0.00
Species-rich native hedgerow with trees	0.27	3.72	0.11	2.06	-0.16	-1.66
Species-rich native hedgerow - associated with bank or ditch	0.00	0.00	0.16	2.84	0.16	2.84
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	1.25	12.23	5.54	49.07	4.29	36.84
Native hedgerow - associated with bank or ditch	0.37	1.72	0.00	0.00	-0.37	-1.72
Native hedgerow with trees	0.53	8.14	0.00	0.00	-0.53	-8.14
Ecologically valuable line of trees	0.08	0.66	0.00	0.00	-0.08	-0.66
Ecologically valuable line of trees - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native hedgerow	4.91	23.91	0.86	5.91	-4.05	-18.00
Line of trees	0.00	0.00	0.28	0.49	0.28	0.49
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

Watercourses

On-site change by watercourse type

Watercourse type	Baseline		Post-development on site		On-site Change	
	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	0.8	13.7	0.7	10.9	-0.1	-1.8
Ditches	0.9	3.6	0.2	0.8	-0.7	-2.9
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

4.4.3 Plate 2 shows that many losses are of low distinctiveness, with the largest losses in modified grassland. As this habitat is not a priority habitat and is of low distinctiveness the losses will not impact the ability to claim biodiversity net gain.

Arable Land

4.4.4 The existing arable land will be entirely lost to facilitate the proposed development. This will reduce the area of arable land by 11.02 ha, resulting in a loss of -22.04 units.

Woodland

4.4.5 The existing woodland will be retained and protected, and new mixed woodland is proposed throughout the site. Overall, this will result in an area gain of 6.17ha, generating +16.98 habitat units.

Grassland

4.4.6 As the predominate habitat type on Site, existing grassland will be entirely lost to facilitate the development. Parcels of other neutral grassland and modified grassland are proposed as compensation, as well as multiple community (ie Traditional) orchards. Nonetheless, a net loss of 74.77 ha is expected. This will result in a net loss of -218.28 units.

Heathland and Shrub

4.4.7 Small parcels of scrub will be removed to facilitate the development, however much of the scrub will be retained and parcels of mixed/ gorse scrub are proposed. The created habitats will result in a net area gain of 3.56 ha, generating +24.02 units.

Sparsely Vegetated Land

4.4.8 The existing area of sparsely vegetated land will be mostly removed during the development. All the areas categorised as this habitat as being of low distinctiveness (Tall forb and Bare ground). The overall area of sparsely vegetated land will decrease by 2.87 ha, resulting in a net loss of -12.94 units.

Lake habitats

4.4.9 The pond within Craven Wood will be retained, however two other ponds will be lost. The lost ponds are of poor condition and overall low value to biodiversity. A newly created pond is proposed as compensation, however there will remain a net loss of 0.15ha and -2.47 units. Note this does not include SUDs features which will also provide wetland habitat.

Wetland

4.4.10 There are no wetland habitats within the baseline, and a small parcel of reedbed is proposed under the development. This will introduce an area of wetland on site to the size of 0.05ha, equivalent to +0.35 units. The SUDs features will be in addition to this area.

Urban

4.4.11 Urban area experiences a large increase in total areas this is the purpose of the site's development. This includes hard standing, buildings and infrastructure as well as introduced shrub, allotments and vegetated gardens. Overall, the area of urban habitats increases by 78.99 ha, and generates +51.63 habitat units.

Individual trees

4.4.12 A large number of individual trees are proposed throughout the site to aid in the compensation of other lost habitats. Overall, the RPA of individual trees will cover 95.19 ha, and the planting of individual trees will generate +286.34 habitat units.

Hedgerows and Lines of Trees

4.4.13 There will be a loss of hedgerows across the site. Namely, species rich native hedgerow with trees (-0.16 km and -1.66 units), native hedgerow associated with a bank or ditch (-0.37km and -172 units), native hedgerow with trees (-0.53 km and -5.14 units) and native hedgerow (-4.06 km and -18.00 units). There will also be a loss of ecologically valuable line of trees of -0.08 km or -0.66 units. A total of 4.75 km of species-rich native hedgerow will be planted, and a number of retained hedgerows enhanced. Overall, a net gain of 13.00 hedgerow units are proposed.

Summary

4.4.14 The assessment concludes that the overall development is expected to meet the ten principles of biodiversity net gain as set out in Appendix 1.

4.4.15 The existing area-based habitats on Site have a biodiversity value of 438.71 habitat units. 512.84 units will be created following development, resulting in an overall value of 562.30 units and hence a net change of **+123.59 Habitat Units** or **+28.17%**.

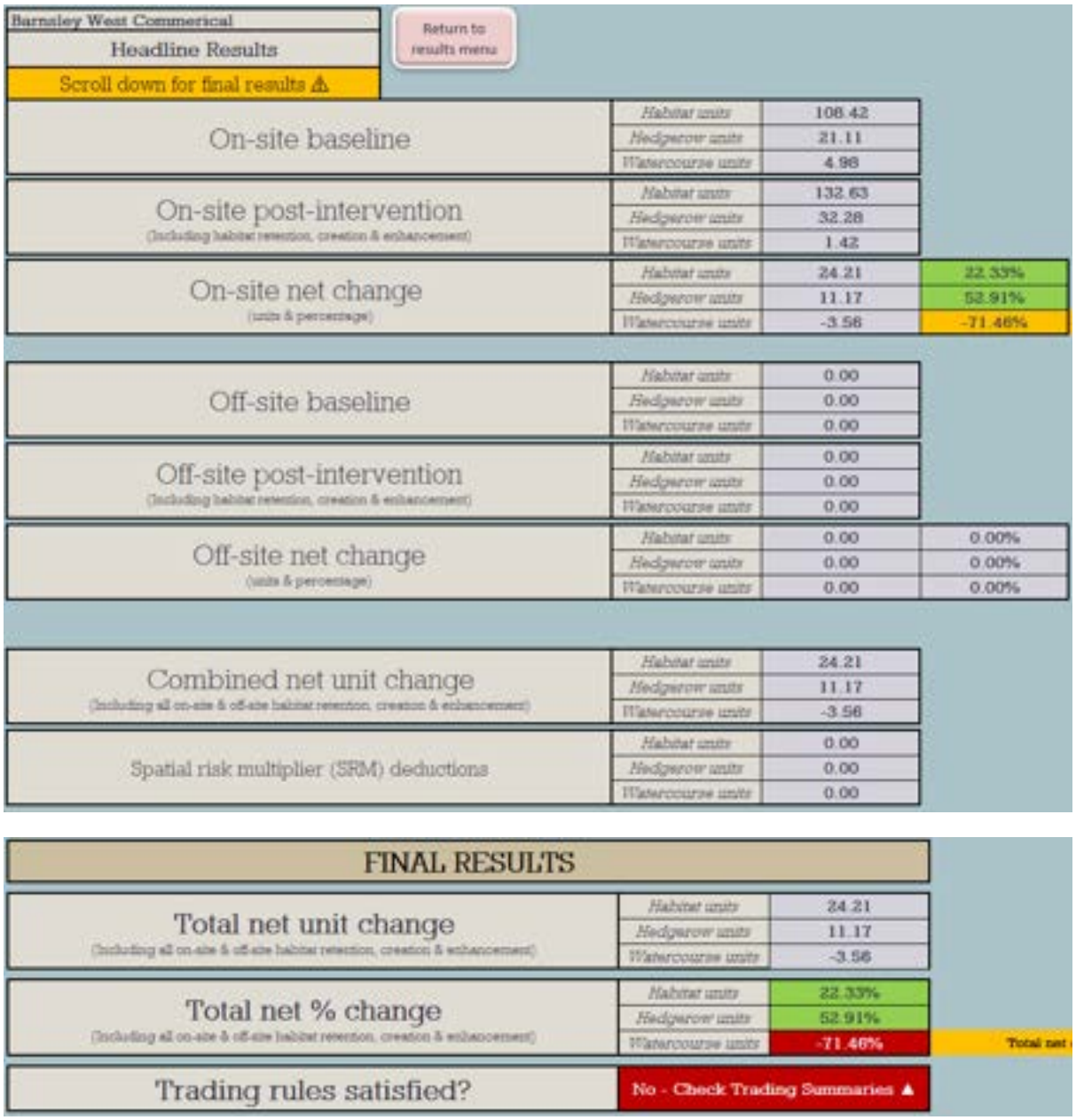
4.4.16 The existing hedgerows on Site have a biodiversity value of 47.28 units. For Hedgerow habitats, 36.75 units will be created and 17.71 enhanced following development, resulting in an overall value of 60.27 units and hence a net change of **+13.00 Hedgerow Units** or **+27.49**%.

4.4.17 The existing watercourse features on the Site have a value of 16.47 units. No watercourse units will be generated through creation or enhancement, meaning the retained features have an overall value of 11.76 units and hence a net change of **-4.71 Watercourse Units** or **-28.61%.**

4.5 Quantitative Assessment Results – Employment Area

4.5.1 The site shows losses of high, medium, low and very low distinctiveness categories. Plates 1 and 2 provide a summary of the Metric 4.0 assessment.

4.5.2 Plate 1: Extract from Defra Metric 4.0 ‘Headline Results’ summary.



Barnsley West Commerical			
Headline Results	Return to results menu		
Scroll down for final results ⚠			
On-site baseline	Habitat units	108.42	
	Hedgerow units	21.11	
	Watercourse units	4.98	
On-site post-intervention (including habitat retention, creation & enhancement)	Habitat units	132.63	
	Hedgerow units	32.28	
	Watercourse units	1.42	
On-site net change (units & percentage)	Habitat units	24.21	22.33%
	Hedgerow units	11.17	52.91%
	Watercourse units	-3.56	-71.46%
Off-site baseline	Habitat units	0.00	
	Hedgerow units	0.00	
	Watercourse units	0.00	
Off-site post-intervention (including habitat retention, creation & enhancement)	Habitat units	0.00	
	Hedgerow units	0.00	
	Watercourse units	0.00	
Off-site net change (units & percentage)	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)	Habitat units	24.21	
	Hedgerow units	11.17	
	Watercourse units	-3.56	
Spatial risk multiplier (SRM) deductions	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)	Habitat units	24.21
	Hedgerow units	11.17
	Watercourse units	-3.56
Total net % change (including all on-site & off-site habitat retention, creation & enhancement)	Habitat units	22.33%
	Hedgerow units	52.91%
	Watercourse units	-71.46%
Trading rules satisfied?	No - Check Trading Summaries ▲	

Plate 2: Extract from Defra Metric 4.0 ‘Detailed Results’ summary.

Barnsley West Commerical
Detailed Results

Return to results menu

Summary Figures

Net project biodiversity units (Including all on-site & off-site habitat retention / creation)	Habitat units	24.21
	Hedgerow units	11.17
	Watercourse units	-3.56
Total project biodiversity % change (Including all on-site & off-site habitat creation + retained habitats)	Habitat units	22.33%
	Hedgerow units	52.91%
	Watercourse units	-71.48%

Combined habitat retention and enhancement

	Habitats	Hedgerows	Watercourses
Total on-site and off-site baseline area / length	40.58	3.20	0.69
Total on-site and off-site baseline units	108.42	21.11	4.98
Total on-site and off-site baseline area / length retained	0.63	0.00	0.08
Total on-site and off-site baseline units retained	8.49	0.00	1.42
Area / length proposed for enhancement	0.00	0.20	0.00
Baseline units proposed for enhancement	0.00	0.93	0.00
Total on-site and off-site baseline area / length lost	39.94	3.00	0.51
Total on-site and off-site baseline units lost	99.93	20.18	3.56

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	5.13	10.26	0.00	0.00	-5.13	-10.26
Grassland	31.39	72.29	5.29	36.60	-26.10	-35.69
Heathland and shrub	0.10	0.93	1.17	8.08	1.07	7.16
Lakes	0.21	2.94	0.00	0.00	-0.21	-2.94
Sparsely vegetated land	2.56	13.51	0.00	0.00	-2.56	-13.51
Urban	0.54	0.00	38.34	6.51	37.80	6.51
Wetland	0.00	0.00	0.00	0.00	0.00	0.00
Woodland and forest	0.18	2.43	5.31	16.89	5.14	14.46
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	0.46	6.05	19.81	84.54	19.35	58.49

Hedgerows and lines of trees

On-site change by hedgerow type

Hedgerow type	Baseline		Post-development on-		On-site change	
	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	0.00	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	0.33	1.50	0.00	0.00	-0.33	-1.50
Species-rich native hedgerow	1.09	10.01	3.89	38.88	2.80	28.87
Native hedgerow - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native hedgerow with trees	0.30	2.09	0.00	0.00	-0.30	-2.09
Ecologically valuable line of trees	0.08	0.66	0.00	0.00	-0.08	-0.66
Ecologically valuable line of trees - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native hedgerow	1.53	6.64	0.00	0.00	-1.53	-6.64
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

4.5.3 Plate 2 shows that many losses are of low distinctiveness, with the largest losses in modified grassland. As this habitat is not a priority habitat and is of low distinctiveness the losses will not impact the ability to claim biodiversity net gain.

Arable Land

4.5.4 The existing arable land will be entirely lost to facilitate the proposed development. This will result in a net loss of 5.13 ha and -10.26 units.

Woodland

4.5.5 A large parcel of mixed woodland is proposed under the development, and no woodland will be lost. This will generate a net gain of 5.14ha and +14.46 habitat units.

Grassland Areas

4.5.6 Of the grassland lost to development, the majority is modified grassland, which is of a low distinctiveness. Another small area of other neutral grassland, of medium distinctiveness, will also be lost. Several parcels of grassland, both other neutral and modified, are proposed as compensation. This will result in an overall loss of 26.10 ha and a net loss of -35.69 biodiversity units.

Heathland and Shrub

4.5.7 The area of heathland and shrub will be increased as new areas of mixed scrub will be created, increasing the area by 1.07 ha and generating net +7.16 biodiversity units.

Sparsely Vegetated Land

4.5.8 The baseline area of sparsely vegetated land will be entirely removed to facilitate the development. This habitat is therefore decreased in area by 2.56 ha hectares and -13.51 biodiversity units.

Lake habitats

4.5.9 Two priority habitat ponds, assessed as high distinctiveness, will be lost to the development, and no ponds proposed as compensation. This will result in a net loss 0.21 ha and -2.94 biodiversity units.

Urban Habitats

4.5.10 Urban area experiences a large increase in total area this is the purpose of the sites development, with both hardstanding and habitats beneficial to biodiversity proposed. Overall, the area of urban habitats will increase by 27.80 hectares and +6.51 biodiversity units.

Individual Trees

4.5.11 A large number of individual trees are proposed as compensation. Overall, a RPA of 19.35ha are proposed, which would generate 58.49 habitat units.

Hedgerows and Lines of Trees

4.5.12 There will be a loss of hedgerows across the site. Namely, native hedgerow with trees associated with a bank or ditch (-0.22 km and -1.50 units), native hedgerow with trees (-0.30 km and -2.09 units) and native hedgerow (-1.53 km and -6.84 units). There will also be a loss of ecologically valuable line of trees of -0.08 km or -0.66 units. A total of 3.68 km of species-rich native hedgerow will be planted, and a number of retained hedgerows enhanced. Overall the length of hedgerow habitats increases by 3.68km, resulting in a net gain of 11.17 hedgerow units.

Summary

4.5.13 The assessment concludes that the employment development is expected to meet the ten principles of biodiversity net gain as set out in Appendix 1.

4.5.14 The existing area-based habitats on Site have a biodiversity value of 108.42 units. 124.14 units will be created with 8.49 units retained following development, resulting in an overall value of 132.63 units and hence a net change of **+24.21 Habitat Units** or **22.33%**.

4.5.15 The existing hedgerows on Site have a biodiversity value of 21.11 units. For Hedgerow habitats, 29.80 units will be created and 2.48 units generated through enhancement, resulting in an overall value of 32.28 units and hence a net change of **+11.17 Hedgerow Units** or **52.91**%.

4.5.16 The existing watercourse features on the Site have a value of 4.98 units. No watercourse habitats will be created under the proposed development however a number of watercourses will be retained. The post-development value of watercourses is 1.42 units, hence a net change of **-3.56 Watercourse Units** or **-71.46%.**

5 CONCLUSION

5.1 Loss of watercourses

5.1.1 The calculation above shows a net loss of liner waterbodies of -28.61% (-4.61km of ditch/stream loss) across the combined residential and employment area. However, almost all of the baseline ditches on site do not hold water other than immediately following heavy rain, and are unvegetated (grazed and poached), hence are of limited ecological value.

5.1.2 In order to compensate for this loss 0.61ha (61m linear length) bioswales are proposed. Whilst the swales will perform an attenuation function, they will be planted with marginal plants and herbaceous species which can tolerate periodic inundation and saturated soils. This will be a benefit to biodiversity and will result in a gain of biodiversity units, however because bioswales form part of the area-based habitats coding in the Metric, they do not contribute to the compensation for loss of ditches directly.

5.1.3 We consider this to be an artefact of the Metric spreadsheet tool, hence the negative outcome for linear water features should not be considered to reflect a non-policy compliant loss of such habitat.

5.2 Legislative Compliance

5.2.1 As the assessment has concluded that a net gain in biodiversity can be achieved in both habitat and hedgerows, the development is compliant with the BNG requirements of the NPPF (2023). Given that the net gain is >10% the development is also compliant with the relevant Barnsley Council Local policies.

5.3 Monitoring

5.3.1 A detailed Landscape and Biodiversity Management Plan will be required in order to confirm the habitat creation, management and monitoring requirements, over the 30 year management period. This will build on the framework Biodiversity and Ecological Management Plan and will need to account for detailed landscape designs and any modifications therein.

6 REFERENCES

BSBI (2021) BS 8683:2021 Process for designing and implementing Biodiversity Net Gain.

CIEEM (2021). Biodiversity Net Gain Report and Audit Templates Chartered Institute of Ecology and Environmental Management, Winchester, UK.

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

WYG (2021) Factual Ecological Appraisal. Job no. 784-A107940-3

APPENDICES

APPENDIX 1

ASSESSMENT OF TEN PRINCIPLES OF BNG

APPENDIX 1 – ASSESSMENT OF TEN PRINCIPLES OF BNG

Principle	**Guidance**[4]	**Assessment**
1: Apply the Mitigation Hierarchy	Measures to avoid and minimise biodiversity loss and to rehabilitate/restore biodiversity affected by the project are: 1) defined and documented, 2) implemented and monitored; and 3) managed for the duration of the project's impacts. For example, maintain records of the consideration of alternatives as evidence of avoidance measures implemented.	**Pass**: The project ecology reports (PEA and BNG) provide evidence that the hierarchy has been adopted and alternatives are discussed in the Planning Statement.
2: Avoid losing biodiversity that cannot be offset by gains elsewhere	Project documents describe any impacts to irreplaceable and vulnerable biodiversity resources, e.g., permanent loss or damage to semi-natural ancient woodland, ancient climax vegetation communities, veteran trees, endemic and internationally rare species that cannot be replaced within reasonable timeframes. Projects with impacts on irreplaceable habitats cannot achieve BNG. These projects should demonstrate where biodiversity compensation has been provided but cannot claim project-wide achievement of BNG. These projects should transparently and comprehensively refer to the impacts on irreplaceable habitats in communications and reports.	**Pass:** The project has retained habits of high biodiversity value including ancient woodland, and no irreplaceable habitats have been lost.
3: Be inclusive and equitable	Evidence of input from and consultation with nature conservation bodies, the local community, the local planning authority and other relevant stakeholders. (NB: For smaller scale projects, this may be part of the planning consultation process). Terms of Reference for any Stakeholder Partnerships are agreed and published, with the roles and responsibilities of members clearly defined.	**Pass:** The biodiversity offsetting assessment will be reviewed by the local county ecologist, checking that rules of biodiversity offsetting have been adhered to.
4: Address Risks	Evidence that BNG has been achieved within the project.	**Pass**: The metric 4.0 has an inbuilt difficulty multiplier which addresses the

[4] Taken from CIEEM (2021). Biodiversity Net Gain Report and Audit Templates Chartered Institute of Ecology and Environmental Management, Winchester, UK.

	Sources of risk and uncertainty in design and implementation of mitigation are documented. Identify risks that may present themselves during the 30-year management period and how these should be dealt with.	risks of habitat creation. The habitat creation will be supported by a 30-year management plan.
5: Make a measurable Net gain	Suitable metric is used for all habitat impacts quantified relative to the 'pre-project' condition of each habitat. Gains anticipated from habitat creation, enhancement and positive management are quantified relative to the predicted condition in the absence of BNG activities.	**Pass**: The proposed development will result in a net gain of 28.17% in habitats and 27.49% in hedgerows across the entire site.
6: Achieve the best outcomes for Biodiversity	Evidence is provided that BNG commitments contribute (now or in the future) to regional and national conservation goals, e.g., Local Nature Recovery Strategies. Provide evidence that the BNG design has considered where it is possible to contribute to supporting priority species populations. Provide evidence to show where additionality has been proven within the built environment and what gains are achieved.	**Pass**: Habitats beneficial to biodiversity, largely those within the Barnsley BAP, as well as species rich native hedgerows have been proposed wherever possible.
7: Be additional	Evidence is provided that the conservation gains were caused by project activities and would not have occurred in other circumstances.	**Pass**: The development has resulted in a net gain in both habitats and hedgerows, and overall the development increased the value and diversity of habitats on site. Priority habitats include reedbed are proposed where not present before.
8: Create a Net Gain legacy	Evidence is provided that those responsible for implementing project biodiversity management have the requisite management and technical capacity for their specified roles. Key Performance Indicators are set for biodiversity features affected by the project and specific, measurable and time-bounded targets for indicating conservation success are clearly stated. Evidence is provided that any reasonably foreseeable future developments that might	**Pass**: The biodiversity offsetting assessment and subsequent management plan will ensure that the proposed habitats are maintained and allowed to development into the highest standard of habitats.

	affect long-term commitments to biodiversity, including developments by third parties, have been considered. Evidence that legal and financial mechanisms are in place to guarantee the financial and institutional viability of all biodiversity management for a minimum 30 years or at least the duration of the project's impacts. Evidence is provided that management is adapted, where necessary, throughout implementation to deliver the agreed conservation outcomes and monitoring is in place to identify risks to achieving specified outcomes. Evidence that the design has considered where it is possible to create features for species, in particular, priority species.	
9: Optimise sustainability	Evidence provided that the project prioritises BNG targets, but then seeks opportunities for gains for the wider environment, the community and the economy.	**Pass**: The development will contribute to the local community and economy, increasing the commercial opportunities and residential housing available in the area.
10: Be transparent	The commitment to BNG is stated by the project developer in a publicly available document. Results of project audits are publicly available where claims of BNG are made at relevant project stages, including project closure and any deviations from original design specifications are clearly stated. Evidence that the best available scientific knowledge and methods have been used in BNG design and implementation and knowledge is transferred back to the scientific community.	**Pass**: Choices of habitat and condition have been outlined and justified within the condition assessments. Any limitations of the assessment have been clearly stated in the report.

APPENDIX 2
CONDITION ASSESSMENT MATRIX

BASELINE HABITATS

Condition Sheet: DITCH Habitat Type												
Habitat Type												
Watercourses - Ditches												
Habitat Description												
See the Biodiversity Metric 4.0 User Guide.												
Site name and location			**On-site or off-site**									
Limitations (if applicable)			**Survey reference (if relating to a wider survey)**									
			Habitat parcel reference									
			D2	**D3**	**D4**	**D5**						
			Grid reference									
Condition Assessment Criteria												
			Criterion passed (Yes or No)									**Notes (such as justificati...)**
A	The ditch is of good water quality, with clear water (low turbidity) indicating no obvious signs of pollution.		N	N	N	N						
B	A range of emergent, submerged and floating-leaved plants are present. As a guide >10 species of emergent, floating or submerged plants present in a 20 m ditch length.		N	N	N	N						
C	There is less than 10% cover of filamentous algae and or duckweed *Lemna* spp. (these are signs of eutrophication).		Y	Y	Y	Y						
D	A fringe of aquatic marginal vegetation is present along more than 75% of the ditch.		N	N	N	N						
E	Physical damage is evident along less than 5% of the ditch, with examples of damage including: excessive poaching, damage from machinery use or storage, or any other damaging management activities.		Y	Y	Y	Y						
F	Sufficient water levels are maintained - as a guide a minimum summer depth of approximately 50 cm in minor ditches and 1 m in main drains.		N	N	N	N						
G	Less than 10% of the ditch is heavily shaded.		Y	Y	Y	Y						
H	There is an absence of non-native plant and animal species[1].		Y	Y	Y	Y						
		Number of criteria passed										
Condition Assessment Result (out of 8 criteria)		**Condition Assessment Score**	**Score Achieved x/8**									
Passes 8 criteria		Good (3)										
Passes 6 or 7 criteria		Moderate (2)										
Passes 5 or fewer criteria		Poor (1)	Poor									
Suggested enhancement interventions to improve condition score												

Condition Sheet: GRASSLAND Habitat Type (low distinctiveness)

Limitations (if applicable)		**Habitat parcel reference**	G3	G4	G5	G6	G8	G9	G10	G11	G12	G13
		Grid reference										
Condition Assessment Criteria		**Criterion passed (Yes or No)**										
A	There are 6-8 vascular plant species per m² present, including at least 2 forbs (this may include those listed in Footnote 1). **Note - this criterion is essential for achieving Moderate or Good condition.** Where the vascular plant species present are characteristic of medium, high or very high distinctiveness grassland, or there are 9 or more of these characteristic species per m² (excluding those listed in Footnote 1), please review the full UKHab description to assess whether the grassland should instead be classified as a higher distinctiveness grassland. Where a grassland is classed as medium, high, or very high distinctiveness, please use the relevant condition sheet.		Y	Y	Y	Y	Y	Y	N	N	N	N
B	Sward height is varied (at least 20% of the sward is less than 7 cm and at least 20% is more than 7 cm) creating microclimates which provide opportunities for vertebrates and invertebrates to live and breed.		N	N	N	N	N	N	Y	Y	Y	N
C	Some scattered scrub (including bramble *Rubus fruticosus* agg.) may be present, but scrub accounts for less than 20% of total grassland area. Note - patches of scrub with continuous (more than 90%) cover should be classified as the relevant scrub habitat type.		Y	Y	Y	Y	Y	Y	N	N	N	Y
D	Physical damage is evident in less than 5% of total grassland area. Examples of physical damage include excessive poaching, damage from machinery use or storage, erosion caused by high levels of access, or any other damaging management activities.		N	Y	Y	Y	N	N	Y	Y	Y	N
E	Cover of bare ground is between 1% and 10%, including localised areas (for example, a concentration of rabbit warrens)[2].		Y	Y	Y	Y	N	N	N	N	N	N
F	Cover of bracken *Pteridium aquilinum* is less than 20%.		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
G	There is an absence of invasive non-native plant species[3] (as listed on Schedule 9 of WCA[4]).		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
		Essential criterion achieved (Yes or No)										
		Number of criteria passed										
Condition Assessment Result (out of 7 criteria)	**Condition Assessment Score**	**Score Achieved x/l**										
Passes 6 or 7 criteria including passing essential criterion A	Good (3)			Good	Good	Good						
Passes 4 or 5 criteria including passing essential criterion A	Moderate (2)		Mod				Mod	Mod				
Passes 3 or fewer criteria; OR Passes 4 - 6 criteria (excluding criterion A)	Poor (1)								Poor	Poor	Poor	Poor

Condition Sheet: GRASSLAND Habitat Type (low distinctiveness)

		wider survey)								
Limitations (if applicable)		**Habitat parcel reference**								
		G14	G15	G16	G17	G18	G19	G20	G21	G22	G23
		Grid reference									
Condition Assessment Criteria											
		Criterion passed (Yes or No)									
A	There are 6-8 vascular plant species per m² present, including at least 2 forbs (this may include those listed in Footnote 1). **Note - this criterion is essential for achieving Moderate or Good condition.** Where the vascular plant species present are characteristic of medium, high or very high distinctiveness grassland, or there are 9 or more of these characteristic species per m² (excluding those listed in Footnote 1), please review the full UKHab description to assess whether the grassland should instead be classified as a higher distinctiveness grassland. Where a grassland is classed as medium, high, or very high distinctiveness, please use the relevant condition sheet.	N	N	N	N	N	N	N	N	N	N
B	Sward height is varied (at least 20% of the sward is less than 7 cm and at least 20% is more than 7 cm) creating microclimates which provide opportunities for vertebrates and invertebrates to live and breed.	Y	Y	Y	N	Y	Y	Y	N	Y	N
C	Some scattered scrub (including bramble *Rubus fruticosus* agg.) may be present, but scrub accounts for less than 20% of total grassland area. Note - patches of scrub with continuous (more than 90%) cover should be classified as the relevant scrub habitat type.	N	N	N	Y	N	N	N	Y	N	Y
D	Physical damage is evident in less than 5% of total grassland area. Examples of physical damage include excessive poaching, damage from machinery use or storage, erosion caused by high levels of access, or any other damaging management activities.	Y	Y	Y	N	Y	Y	Y	N	Y	N
E	Cover of bare ground is between 1% and 10%, including localised areas (for example, a concentration of rabbit warrens)[2].	N	N	N	N	N	N	N	N	N	N
F	Cover of bracken *Pteridium aquilinum* is less than 20%.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
G	There is an absence of invasive non-native plant species[3] (as listed on Schedule 9 of WCA[4]).	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Essential criterion achieved (Yes or No)										
	Number of criteria passed										
Condition Assessment Result (out of 7 criteria)	**Condition Assessment Score**	**Score Achieved x/l**									
Passes 6 or 7 criteria including passing essential criterion A	Good (3)										
Passes 4 or 5 criteria including passing essential criterion A	Moderate (2)										
Passes 3 or fewer criteria; OR Passes 4 - 6 criteria (excluding criterion A)	Poor (1)	Poor	Poor	Poor	Poor	Poor	Poor	Poor	Poor	Poor	Poor

Condition Sheet: GRASSLAND Habitat Type (low distinctiveness)										
		wider survey)								
Limitations (if applicable)		Habitat parcel reference								
		G24	G25	G26	G27	G28	G29	G30	G31	
		Grid reference								
Condition Assessment Criteria		Criterion passed (Yes or No)								
A	There are 6-8 vascular plant species per m² present, including at least 2 forbs (this may include those listed in Footnote 1). **Note - this criterion is essential for achieving Moderate or Good condition.** Where the vascular plant species present are characteristic of medium, high or very high distinctiveness grassland, or there are 9 or more of these characteristic species per m² (excluding those listed in Footnote 1), please review the full UKHab description to assess whether the grassland should instead be classified as a higher distinctiveness grassland. Where a grassland is classed as medium, high, or very high distinctiveness, please use the relevant condition sheet.	N	N	N	N	N	N	N	N	
B	Sward height is varied (at least 20% of the sward is less than 7 cm and at least 20% is more than 7 cm) creating microclimates which provide opportunities for vertebrates and invertebrates to live and breed.	Y	Y	Y	N	Y	Y	Y	N	
C	Some scattered scrub (including bramble *Rubus fruticosus* agg.) may be present, but scrub accounts for less than 20% of total grassland area. Note - patches of scrub with continuous (more than 90%) cover should be classified as the relevant scrub habitat type.	N	N	N	Y	N	N	N	Y	
D	Physical damage is evident in less than 5% of total grassland area. Examples of physical damage include excessive poaching, damage from machinery use or storage, erosion caused by high levels of access, or any other damaging management activities.	Y	Y	Y	N	Y	Y	Y	N	
E	Cover of bare ground is between 1% and 10%, including localised areas (for example, a concentration of rabbit warrens)[2].	N	N	N	N	N	N	N	N	
F	Cover of bracken *Pteridium aquilinum* is less than 20%.	Y	Y	Y	Y	Y	Y	Y	Y	
G	There is an absence of invasive non-native plant species[3] (as listed on Schedule 9 of WCA[4]).	Y	Y	Y	Y	Y	Y	Y	Y	
	Essential criterion achieved (Yes or No)									
	Number of criteria passed									
Condition Assessment Result (out of 7 criteria)	Condition Assessment Score	Score Achieved x/1								
Passes 6 or 7 criteria including passing essential criterion A	Good (3)									
Passes 4 or 5 criteria including passing essential criterion A	Moderate (2)									
Passes 3 or fewer criteria; OR Passes 4 - 6 criteria (excluding criterion A)	Poor (1)	Poor	Poor	Poor	Poor	Poor	Poor	Poor	Poor	

Condition Sheet: GRASSLAND Habitat Type (medium, high and very high distinctiveness				
Site name and location		**Survey reference (if relating to a wider survey)**		
Limitations (if applicable)		**Habitat parcel reference**		
		G1	G2	G7
Condition Assessment Criteria		**Grid reference**		
		Criterion passed (Yes or		
A	The grassland is a good representation of the habitat type it has been identified as, based on its UKHab description - the appearance and composition of the vegetation closely matches the characteristics of the specific grassland habitat type. Indicator species listed by UKHab for the specific grassland habitat type are consistently present. **Note - this criterion is essential for achieving Moderate or Good condition for non-acid grassland types only.**	Y	Y	Y
B	Sward height is varied (at least 20% of the sward is less than 7 cm and at least 20% is more than 7 cm) creating microclimates which provide opportunities for insects, birds and small mammals to live and breed.	N	N	N
C	Cover of bare ground is between 1% and 5%, including localised areas, for example, rabbit warrens[1].	Y	Y	Y
D	Cover of bracken *Pteridium aquilinum* is less than 20% and cover of scrub (including bramble *Rubus fruticosus* agg.) is less than 5%.	Y	Y	Y
E	Combined cover of species indicative of sub-optimal condition[2] 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 plant species[3] (as listed on Schedule 9 of WCA[4]) are present, this criterion is automatically failed.	N	N	N
Additional Criterion - must be assessed for all non-acid grassland types				
F	There are 10 or more vascular plant species per m² present, including forbs that are characteristic of the habitat type (species referenced in Footnote 2 and 4 cannot contribute towards this count). **Note - this criterion is essential for achieving Good condition for non-acid grassland types only.**	Y	Y	Y
	Essential criterion for Good condition achieved (for non-acid grassland) (Yes or No)			
	Number of criteria passed			
Condition Assessment Resul	**Condition Assessment Score**	**Score Achieved x/**		
Acid Grassland types (Result out of 5 criteria)				
Passes 5 criteria	Good (3)			
Passes 3 or 4 criteria	Moderate (2)			
Passes 2 or fewer criteria	Poor (1)			
Non-acid grassland types (Result out of 6 criteria)				
Passes 5 or 6 criteria, including essential criterion A and additional criterion F.	Good (3)			
Passes 3 - 5 criteria, including essential criterion A.	Moderate (2)	Mod	Mod	Mod

Condition sheet: HEDGEROW Habitat Types

Hedgerow favourable condition attributes

Attributes and functional groupings (A, B, C, D and E)		Criteria - the minimum requirements for 'favourable condition'	Criteria description	Habitat parcel reference										
				H1	H2	H3	H4	H5	H6	H7	H8	H9	H10	
				Grid reference										
								H14						
Core groups - applicable to all hedgerow types				**Criterion passed (Yes or No)**										**Notes (such as justificati**
A1.	Height	>1.5 m average along length	The average height of woody growth estimated from base of stem to the top of the shoots, excluding any bank beneath the hedgerow, any gaps or isolated trees. Newly laid or coppiced hedgerows are indicative of good management and pass this criterion for up to a maximum of four years (if undertaken according to good practice). A newly planted hedgerow does not pass this criterion (unless it is >1.5 m height).	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
A2.	Width	>1.5 m average along length	The average width of woody growth estimated at the widest point of the canopy, excluding gaps and isolated trees. Outgrowths (such as blackthorn *Prunus spinosa* suckers) are only included in the width estimate when they are >0.5 m in height. Laid, coppiced, cut and newly planted hedgerows are indicative of good management and pass this criterion for up to a maximum of four years (if undertaken according to good practice).	N	N	Y	Y	Y	N	Y	Y	Y	Y	
B1.	Gap - hedge base	Gap between ground and base of canopy <0.5 m for >90% of length	This is the vertical 'gappiness' of the woody component of the hedgerow, and its distance from the ground to the lowest leafy growth. Certain exceptions to this criterion are acceptable (see page 65 of the Hedgerow Survey Handbook).	N	N	N	N	Y	N	Y	Y	N	Y	
B2.	Gap - hedge canopy continuity	Gaps make up <10% of total length; and No canopy gaps >5 m	This is the horizontal 'gappiness' of the woody component of the hedgerow. Gaps are complete breaks in the woody canopy (no matter how small). Access points and gates contribute to the overall 'gappiness' but are not subject to the >5 m criterion (as this is the typical size of a gate).	N	N	Y	N	Y	N	N	N	N	Y	
C1.	Undisturbed ground and perennial vegetation	>1 m width of undisturbed ground with perennial herbaceous vegetation for >90% of length: · Measured from outer edge of hedgerow; and · Is present on one side of the hedgerow (at least).	This is the level of disturbance (excluding wildlife disturbance) at the base of the hedgerow. Undisturbed ground is present for at least 90% of the hedgerow length, greater than 1 m in width and must be present along at least one side of the hedgerow.	Y	Y	Y	Y	N	N	N	N	N	N	

C2.	Nutrient-enriched perennial vegetation	Plant species indicative of nutrient enrichment of soils dominate <20% cover of the area of undisturbed ground.	The indicator species used are nettles *Urtica* spp., cleavers *Galium aparine* and docks *Rumex* spp. Their presence, either singly or together, does not exceed the 20% cover threshold.	N	N	N	N	Y	N	N	N	N	N	
D1.	Invasive and neophyte species	>90% of the hedgerow and undisturbed ground is free of invasive non-native plant species (including those listed on Schedule 9 of WCA[3]) and recently introduced species.	Recently introduced species refer to plants that have naturalised in the UK since AD 1500 (neophytes). Archaeophytes count as natives. For information on archaeophytes and neophytes see the JNCC website[4], as well as the BSBI website[5] where the 'Online Atlas of the British and Irish Flora'[6] contains an up-to-date list of the status of species. For information on invasive non-native species see the GB Non-Native Secretariat website[7].	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
D2.	Current damage	>90% of the hedgerow or undisturbed ground is free of damage caused by human activities.	This criterion addresses damaging activities that may have led to or lead to deterioration in other attributes. This could include evidence of pollution, piles of manure or rubble, or inappropriate management practices (e.g., excessive hedgerow cutting).	Y	Y	Y	N	N	N	Y	Y	N	N	
Additional group - applicable to hedgerows with trees only														
E1.	Tree class	There is more than one age-class (or morphology) of tree present (for example: young, mature, veteran and or ancient[8]), and there is on average at least one mature, ancient or veteran tree present per 20 - 50m of hedgerow.	This criterion addresses if there are a range of age-classes or morphologies which allow for replacement of trees and provide opportunities for different species.	Mod	Mod	Good	Mod	Good	Poor	Mod	Mod	Poor	Y	
E3.	Tree health	At least 95% of hedgerow trees are in a healthy condition (excluding veteran features valuable for wildlife). There is little or no evidence of an adverse impact on tree health by damage from livestock or wild animals, pests or diseases, or human activity.	This criterion identifies if the trees are subject to damage which compromises the survival and health of the individual specimens.										Y (mod)	
The hedgerow condition assessment generates a weighting (score) ranging from 1 - 3, which is used within the metric. The scores for each are set out in the tables below.														

Condition sheet: HEDGEROW Habitat Types													
Attributes and functional groupings (A, B, C, D and E)		Criteria - the minimum requirements for 'favourable condition'	Criteria description	Habitat parcel reference	H11	H12	H13	H15	H16	H17	H18	H19	H20	H21
				Grid reference										
Core groups - applicable to all hedgerow types				Criterion passed (Yes or No)										
A1.	Height	>1.5 m average along length	The average height of woody growth estimated from base of stem to the top of the shoots, excluding any bank beneath the hedgerow, any gaps or isolated trees. Newly laid or coppiced hedgerows are indicative of good management and pass this criterion for up to a maximum of four years (if undertaken according to good practice). A newly planted hedgerow does not pass this criterion (unless it is >1.5 m height).		Y	Y	Y	Y	N	N	Y	Y	Y	Y
A2.	Width	>1.5 m average along length	The average width of woody growth estimated at the widest point of the canopy, excluding gaps and isolated trees. Outgrowths (such as blackthorn *Prunus spinosa* suckers) are only included in the width estimate when they are >0.5 m in height. Laid, coppiced, cut and newly planted hedgerows are indicative of good management and pass this criterion for up to a maximum of four years (if undertaken according to good practice).		Y	Y	Y	Y	N	N	Y	Y	Y	Y
B1.	Gap - hedge base	Gap between ground and base of canopy <0.5 m for >90% of length	This is the vertical 'gappiness' of the woody component of the hedgerow, and its distance from the ground to the lowest leafy growth. Certain exceptions to this criterion are acceptable (see page 65 of the Hedgerow Survey Handbook).		N	N	Y	N	Y	Y	Y	Y	N	Y
B2.	Gap - hedge canopy continuity	Gaps make up <10% of total length; and No canopy gaps >5 m	This is the horizontal 'gappiness' of the woody component of the hedgerow. Gaps are complete breaks in the woody canopy (no matter how small). Access points and gates contribute to the overall 'gappiness' but are not subject to the >5 m criterion (as this is the typical size of a gate).		N	Y	Y	Y	Y	Y	Y	Y	Y	N
C1.	Undisturbed ground and perennial vegetation	>1 m width of undisturbed ground with perennial herbaceous vegetation for >90% of length: · Measured from outer edge of hedgerow; and · Is present on one side of the hedgerow (at least).	This is the level of disturbance (excluding wildlife disturbance) at the base of the hedgerow. Undisturbed ground is present for at least 90% of the hedgerow length, greater than 1 m in width and must be present along at least one side of the hedgerow. This criterion recognises the value of		N	N	N	N	N	N	N	N	N	N

C2.	Nutrient-enriched perennial vegetation	Plant species indicative of nutrient enrichment of soils dominate <20% cover of the area of undisturbed ground.	The indicator species used are nettles *Urtica* spp., cleavers *Galium aparine* and docks *Rumex* spp. Their presence, either singly or together, does not exceed the 20% cover threshold.	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	
D1.	Invasive and neophyte species	>90% of the hedgerow and undisturbed ground is free of invasive non-native plant species (including those listed on Schedule 9 of 'WCA[3]) and recently introduced species.	Recently introduced species refer to plants that have naturalised in the UK since AD 1500 (neophytes). Archaeophytes count as natives. For information on archaeophytes and neophytes see the JNCC website[4], as well as the BSBI website[5] where the 'Online Atlas of the British and Irish Flora'[6] contains an up-to-date list of the status of species. For information on invasive non-native species see the GB Non-Native Secretariat website[7].	Y	Y	Y	Y	N	N	Y	Y	Y	Y	
D2.	Current damage	>90% of the hedgerow or undisturbed ground is free of damage caused by human activities.	This criterion addresses damaging activities that may have led to or lead to deterioration in other attributes. This could include evidence of pollution, piles of manure or rubble, or inappropriate management practices (e.g., excessive hedgerow cutting).	N	Y	N	Y	N	N	N	N	Y	N	
Additional group - applicable to hedgerows with trees only													
E1.	Tree class	There is more than one age-class (or morphology) of tree present (for example: young, mature, veteran and or ancient[8]), and there is on average at least one mature, ancient or veteran tree present per 20 - 50m of hedgerow.	This criterion addresses if there are a range of age-classes or morphologies which allow for replacement of trees and provide opportunities for different species.	Poor	Good	Mod	Good	Good	Mod	Mod	Mod	Good	Mod	
E3.	Tree health	At least 95% of hedgerow trees are in a healthy condition (excluding veteran features valuable for wildlife). There is little or no evidence of an adverse impact on tree health by damage from livestock or wild animals, pests or diseases, or human activity.	This criterion identifies if the trees are subject to damage which compromises the survival and health of the individual specimens.										
The hedgerow condition assessment generates a weighting (score) ranging from 1 - 3, which is used within the metric. The scores for each are set out in the tables below.													

Condition sheet: HEDGEROW Habitat Types																	
Attributes and functional groupings (A, B, C, D and E)		Criteria - the minimum requirements for 'favourable condition'	Criteria description	H22	H23	H24	H25	H26	H27	H28	H29	H30	H31				
				Grid reference													
Core groups - applicable to all hedgerow types				Criterion passed (Yes or No)													
A1.	Height	>1.5 m average along length	The average height of woody growth estimated from base of stem to the top of the shoots, excluding any bank beneath the hedgerow, any gaps or isolated trees. Newly laid or coppiced hedgerows are indicative of good management and pass this criterion for up to a maximum of four years (if undertaken according to good practice). A newly planted hedgerow does not pass this criterion (unless it is >1.5 m height).	Y	Y	Y	Y	Y	Y	Y	Y	N	N				
A2.	Width	>1.5 m average along length	The average width of woody growth estimated at the widest point of the canopy, excluding gaps and isolated trees. Outgrowths (such as blackthorn *Prunus spinosa* suckers) are only included in the width estimate when they are >0.5 m in height. Laid, coppiced, cut and newly planted hedgerows are indicative of good management and pass this criterion for up to a maximum of four years (if undertaken according to good practice).	Y	Y	N	Y	Y	Y	Y	Y	N	N				
B1.	Gap - hedge base	Gap between ground and base of canopy <0.5 m for >90% of length	This is the vertical 'gappiness' of the woody component of the hedgerow, and its distance from the ground to the lowest leafy growth. Certain exceptions to this criterion are acceptable (see page 65 of the Hedgerow Survey Handbook).	Y	Y	N	N	N	Y	N	N	N	N				
B2.	Gap - hedge canopy continuity	Gaps make up <10% of total length; and No canopy gaps >5 m	This is the horizontal 'gappiness' of the woody component of the hedgerow. Gaps are complete breaks in the woody canopy (no matter how small). Access points and gates contribute to the overall 'gappiness' but are not subject to the >5 m criterion (as this is the typical size of a gate).	N	Y	N	N	N	N	N	N	N	N				
C1.	Undisturbed ground and perennial vegetation	>1 m width of undisturbed ground with perennial herbaceous vegetation for >90% of length: · Measured from outer edge of hedgerow; and · Is present on one side of the hedgerow (at least).	This is the level of disturbance (excluding wildlife disturbance) at the base of the hedgerow. Undisturbed ground is present for at least 90% of the hedgerow length, greater than 1 m in width and must be present along at least one side of the hedgerow. This criterion recognises the value of the hedgerow base as a boundary	N	N	N	Y	Y	Y	Y	N	Y	Y				

C2.	Nutrient-enriched perennial vegetation	Plant species indicative of nutrient enrichment of soils dominate <20% cover of the area of undisturbed ground.	The indicator species used are nettles *Urtica* spp., cleavers *Galium aparine* and docks *Rumex* spp. Their presence, either singly or together, does not exceed the 20% cover threshold.	Y	Y	Y	N	N	N	N	N	N	N	
D1.	Invasive and neophyte species	>90% of the hedgerow and undisturbed ground is free of invasive non-native plant species (including those listed on Schedule 9 of WCA[3]) and recently introduced species.	Recently introduced species refer to plants that have naturalised in the UK since AD 1500 (neophytes). Archaeophytes count as natives. For information on archaeophytes and neophytes see the JNCC website[4], as well as the BSBI website[5] where the 'Online Atlas of the British and Irish Flora'[6] contains an up-to-date list of the status of species. For information on invasive non-native species see the GB Non-Native Secretariat website[7].	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
D2.	Current damage	>90% of the hedgerow or undisturbed ground is free of damage caused by human activities.	This criterion addresses damaging activities that may have led to or lead to deterioration in other attributes. This could include evidence of pollution, piles of manure or rubble, or inappropriate management practices (e.g., excessive hedgerow cutting).	Y	N	Y	N	N	N	N	N	Y	Y	
Additional group - applicable to hedgerows with trees only														
E1.	Tree class	There is more than one age-class (or morphology) of tree present (for example: young, mature, veteran and or ancient[8]), and there is on average at least one mature, ancient or veteran tree present per 20 - 50m of hedgerow.	This criterion addresses if there are a range of age-classes or morphologies which allow for replacement of trees and provide opportunities for different species.	Y	Good	Mod	Mod	Mod	Mod	Mod	Poor	Poor	Poor	
E3.	Tree health	At least 95% of hedgerow trees are in a healthy condition (excluding veteran features valuable for wildlife). There is little or no evidence of an adverse impact on tree health by damage from livestock or wild animals, pests or diseases, or human activity.	This criterion identifies if the trees are subject to damage which compromises the survival and health of the individual specimens.	N (Mod)										
The hedgerow condition assessment generates a weighting (score) ranging from 1 - 3, which is used within the metric. The scores for each are set out in th														

Hedgerow favourable condition attributes								
Attributes and functional groupings (A, B, C, D and E)		**Criteria - the minimum requirements for 'favourable condition'**	**Criteria description**	**Habitat parcel reference**				
				H32	H34	H35		
				Grid reference				
Core groups - applicable to all hedgerow types				**Criterion passed (Yes or N**				
A1.	Height	>1.5 m average along length	The average height of woody growth estimated from base of stem to the top of the shoots, excluding any bank beneath the hedgerow, any gaps or isolated trees. Newly laid or coppiced hedgerows are indicative of good management and pass this criterion for up to a maximum of four years (if undertaken according to good practice). A newly planted hedgerow does not pass this criterion (unless it is >1.5 m height).	N	Y	Y		
A2.	Width	>1.5 m average along length	The average width of woody growth estimated at the widest point of the canopy, excluding gaps and isolated trees. Outgrowths (such as blackthorn *Prunus spinosa* suckers) are only included in the width estimate when they are >0.5 m in height. Laid, coppiced, cut and newly planted hedgerows are indicative of good management and pass this criterion for up to a maximum of four years (if undertaken according to good practice).	N	Y	Y		
B1.	Gap - hedge base	Gap between ground and base of canopy <0.5 m for >90% of length	This is the vertical 'gappiness' of the woody component of the hedgerow, and its distance from the ground to the lowest leafy growth. Certain exceptions to this criterion are acceptable (see page 65 of the Hedgerow Survey Handbook).	N	N	N		
B2.	Gap - hedge canopy continuity	Gaps make up <10% of total length; and No canopy gaps >5 m	This is the horizontal 'gappiness' of the woody component of the hedgerow. Gaps are complete breaks in the woody canopy (no matter how small). Access points and gates contribute to the overall 'gappiness' but are not subject to the >5 m criterion (as this is the typical size of a gate).	N	N	N		
C1.	Undisturbed ground and perennial vegetatio	>1 m width of undisturbed ground with perennial herbaceous vegetation for >90% of length: · Measured from outer edge of hedgerow; and	This is the level of disturbance (excluding wildlife disturbance) at the base of the hedgerow. Undisturbed ground is present for at least 90% of the hedgerow length	Y	Y	N		

C2.	Nutrient-enriched perennial vegetation	Plant species indicative of nutrient enrichment of soils dominate <20% cover of the area of undisturbed ground.	The indicator species used are nettles *Urtica* spp., cleavers *Galium aparine* and docks *Rumex* spp. Their presence, either singly or together, does not exceed the 20% cover threshold.	N	N	N			
D1.	Invasive and neophyte species	>90% of the hedgerow and undisturbed ground is free of invasive non-native plant species (including those listed on Schedule 9 of WCA[3]) and recently introduced species.	Recently introduced species refer to plants that have naturalised in the UK since AD 1500 (neophytes). Archaeophytes count as natives. For information on archaeophytes and neophytes see the JNCC website[4], as well as the BSBI website[5] where the 'Online Atlas of the British and Irish Flora'[6] contains an up-to-date list of the status of species. For information on invasive non-native species see the GB Non-Native Secretariat website[7].	Y	Y	Y			
D2.	Current damage	>90% of the hedgerow or undisturbed ground is free of damage caused by human activities.	This criterion addresses damaging activities that may have led to or lead to deterioration in other attributes. This could include evidence of pollution, piles of manure or rubble, or inappropriate management practices (e.g., excessive hedgerow cutting).	Y	Y	N			
Additional group - applicable to hedgerows with trees only									
E1.	Tree class	There is more than one age-class (or morphology) of tree present (for example: young, mature, veteran and or ancient[8]), and there is on average at least one mature, ancient or veteran tree present per 20 - 50m of hedgerow.	This criterion addresses if there are a range of age-classes or morphologies which allow for replacement of trees and provide opportunities for different species.	Poor	Mod	Y			
E3.	Tree health	At least 95% of hedgerow trees are in a healthy condition (excluding veteran features valuable for wildlife). There is little or no evidence of an adverse impact on tree health by damage from livestock or wild animals, pests or diseases, or human activity.	This criterion identifies if the trees are subject to damage which compromises the survival and health of the individual specimens.			Y (Poor)			

The hedgerow condition assessment generates a weighting (score) ranging from 1 - 3, which is used within the metric. The

Condition Sheet: INDIVIDUAL TREES Habitat Type

Urban Perimeter / Linear Blocks and Groups (description applied to the urban environment only):
Groups or stands of trees (size requirement as defined above) within and around the perimeter of urban land. This includes those al canals, and also former field boundary trees incorporated into developments. Canopies must overlap continuously. Groups of urban woodland may be assessed within this category.

Site name and location		**On-site or off-site**
Limitations (if applicable)		**Survey reference (if relating to a wider survey)**
Grid reference		**Habitat parcel reference**

	Condition Assessment Criteria	**Criterion passed (Yes or No)**
A	The tree is a native species (or at least 70% within the block are native species).	Y
B	The tree canopy is predominantly continuous, with gaps in canopy cover making up <10% of total area and no individual gap being >5 m wide (individual trees automatically pass this criterion).	Y
C	The tree is mature (or more than 50% within the block are mature).	Y
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.	Y
E	Natural ecological niches for vertebrates and invertebrates are present, such as presence of deadwood, cavities, ivy or loose bark.	Y
F	More than 20% of the tree canopy area is oversailing vegetation beneath.	Y
	Number of criteria passed	

Condition Assessment Result (out of 6 criteria)	**Condition Assessment Score**	**Score Achieved ×/□**
Passes 5 or 6 criteria	Good (3)	Good
Passes 3 or 4 criteria	Moderate (2)	

Condition Sheet: LINE OF TREES Habitat Type

Habitat Type(s)

Line of trees
Line of trees – associated with bank or ditch
Ecologically valuable line of trees
Ecologically valuable line of trees – associated with bank or ditch

Habitat Description

See the Biodiversity Metric 4.0 User Guide Section 9.

This assessment is based on the Hedgerow Survey Handbook[1]. For further clarifications please refer to the Handbook.
Where ancient and veteran trees are present within the line of trees, see Footnote 2 for standing advice.

Site name and location		**On-site or off-site**									
		Survey reference (if relating to a wider survey)									
Limitations (if applicable)		**Habitat parcel reference**									
		H20 a									
		Grid reference									
Condition Assessment Criteria											
		Criterion passed (Yes or No)									
A	At least 70% of trees are native species.	Y									
B	Tree canopy is predominantly continuous with gaps in canopy cover making up <10% of total area and no individual gap being >5 m wide.	N									
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.	Y									
D	There is an undisturbed naturally-vegetated strip of at least 6 m 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[2].	N									
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.	Y									
	Number of criteria passed										

Condition Assessment Result (out of 5 criteria)	**Condition Assessment S**	**Score Achieved ×/**									
Passes 5 criteria	Good (3)										
Passes 3 or 4 criteria	Moderate (2)	Mod									
Passes 2 or fewer criteria	Poor (1)										

Suggested enhancement interventions to improve condition score

Condition Sheet: POND Habitat Type				
ukhab – UK Habitat Classification				
For ponds (non-priority) – see the Biodiversity Metric 4.0 Technical Annex 2.				
Site name and location		**On-site or off-site**		
		Survey reference (if relating to a wider survey)		
Limitations (if applicable)		**Habitat parcel refe**		
		P1	**P2**	**P3**
		Grid reference		
Condition Assessment Criteria				
		Criterion passed (		
Core Criteria - applicable to all ponds (woodland[1] and non-woodland):				
A	The pond is of good water quality, with clear water (low turbidity) indicating no obvious signs of pollution. Turbidity is acceptable if the pond is grazed by livestock.	Y	Y	Y
B	There is semi-natural habitat (moderate distinctiveness or above) completely surrounding the pond, for at least 10 m from the pond edge for its entire perimeter.	Y	Y	N
C	Less than 10% of the water surface is covered with duckweed *Lemna* spp. or filamentous algae.	N	N	N
D	The pond is not artificially connected to other waterbodies, e.g. agricultural ditches or artificial pipework.	Y	N	Y
E	Pond water levels can fluctuate naturally throughout the year. No obvious artificial dams[2], pumps or pipework.	Y	Y	Y
F	There is an absence of listed non-native plant and animal species[3].	Y	Y	Y
G	The pond is not artificially stocked with fish. If the pond naturally contains fish, it is a native fish assemblage at low densities.	Y	Y	Y
Additional Criteria - must be assessed for all non-woodland ponds:				
H	Emergent, submerged or floating plants (excluding duckweed)[4] cover at least 50% of the pond area which is less than 3 m deep.	Y	Y	N
I	The pond surface is no more than 50% shaded by adjacent trees and scrub.	Y	Y	Y
	Number of criteria passed			
Condition Assessment Result	**Condition Assessment Score**	**Score Achieved ×**		
Results for woodland ponds which require assessment of 7 core criteri				
Passes 7 criteria	Good (3)			
Passes 5 or 6 criteria	Moderate (2)			
Passes 4 or fewer criteria	Poor (1)			
Results for non-woodland ponds which require assessment of 9 criteria				
Passes 9 criteria	Good (3)			
Passes 6 to 8 criteria	Moderate (2)	Mod	Mod	Mod
Passes 5 or fewer criteria	Poor (1)			

Condition Sheet: SCRUB Habitat Type										
For other scrub types see:	ukhab – UK Habitat Classification									
Site name and location		**On-site or off-site**								
		Survey reference (if relating to a wider survey)								
Limitations (if applicable)		**Habitat parcel reference**								
		SC4	**SC5**	**SC6**	**SC7**	**SC8**				
		Grid reference								
Condition Assessment Criteria		**Gorse**	**Mixed**	**Mixed**	**Mixed**	**Mixed**				
		Criterion passed (Yes or No)								
A	The scrub is a good representation of the habitat type it has been identified as, based on its UKHab description (where in its natural range). The appearance and composition of the vegetation closely matches the characteristics of the specific scrub type. At least 80% of scrub is native, and there are at least three native woody species[1], with 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).	Y	Y	Y	Y	Y				
B	Seedlings, saplings, young shrubs and mature (or ancient or veteran[2]) shrubs are all present.	Y	Y	Y	Y	Y				
C	There is an absence of invasive non-native plant species[3] (as listed on Schedule 9 of WCA[4]) and species indicative of sub-optimal condition[5] make up less than 5% of ground cover.	N	N	N	N	N				
D	The scrub has a well-developed edge with scattered scrub and tall grassland and or forbs present between the scrub and adjacent habitat.	Y	N	Y	Y	Y				
E	There are clearings, glades or rides present within the scrub, providing sheltered edges.	Y	Y	Y	Y	Y				
	Number of criteria passed									
Condition Assessment Result (out of 5 criteria)	**Condition Assessment Score**	**Score Achieved x/l**								
Passes 5 criteria	Good (3)									
Passes 3 or 4 criteria	Moderate (2)	Mod	Mod	Mod	Mod	mod				
Passes 2 or fewer criteria	Poor (1)									

Condition Sheet: URBAN Habitat Type								
See the Biodiversity Metric 4.0 User Guide for green roofs, and UK Habitat Classification (UKHab) for other habitats:							ukhab – UK Habit	
Site name and location		**On-site or off-site**						
		Survey reference (if relating to a wider survey)						
Limitations (if applicable)		**Habitat parcel reference**						
		S1	**S2**	**S3**	**BG1**	**BG2**	**BG3**	
		Grid reference						
Condition Assessment Criteria								
		Criterion passed (Yes or No)						
Core Criteria - must be assessed for **all urban habitat types**:								
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.	N	Y	Y	N	N	N	
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.	Y	Y	Y	N	N	N	
C	Invasive non-native plant species (listed on Schedule 9 of WCA[1]) and others which are to the detriment of native wildlife (using professional judgement)[2] cover less than 5% of the total vegetated area[3]. **Note - to achieve Good condition, this criterion must be satisfied by a complete absence of invasive non-native species (rather than <5% cover)**	Y	Y	Y	Y	Y	Y	
Additional Criteria - must be assessed for **Open mosaic habitat on previously developed land** only:								

Condition Sheet: WOODLAND Habitat Type								
Site name and location			**On-site or off-site**		**Habitat parcel reference**			
					W1	W2	W3	W4
Limitations (if applicable)			**Survey reference (if relating to a wider survey)**		**Grid reference**			
Condition Assessment Criteria								
Indicator		**Good (3 points)**	**Moderate (2 points)**	**Poor (1 point)**	**Score per indicator**			
A	**Age distribution of trees**	Three age-classes[1] present.	Two age-classes[1] present.	One age-class[1] present.	3	3	3	2
B	**Wild, domestic and feral herbivore damage**	No significant browsing damage evident in woodland[2].	Evidence of significant browsing pressure is present in 40% or less of whole woodland[2].	Evidence of significant browsing pressure is present in 40% or more of whole woodland[2].	3	2	2	2
C	**Invasive plant species**	No invasive species[3] present in woodland.	Rhododendron *Rhododendron ponticum* or cherry laurel *Prunus laurocerasus* not present, other invasive species[3]	Rhododendron or cherry laurel present, or other invasive species[3] >10% cover.	3	3	3	3
D	**Number of native tree species**	Five or more native tree or shrub species[4] found across woodland parcel.	Three to four native tree or shrub species[4] found across woodland parcel.	Two or less native tree or shrub species[4] across woodland parcel.	2	3	3	3
E	**Cover of native tree and shrub species**	>80% of canopy trees and >80% of understory shrubs are native[5].	50 - 80% of canopy trees and 50 - 80% of understory shrubs are native[5].	<50% of canopy trees and <50% of understory shrubs are native[5].	3	3	3	1
F	**Open space within woodland**	10 - 20% of woodland has areas of temporary open space[6]. Unless woodland is <10ha, in which case 0 - 20% temporary open space is permitted[7].	21 - 40% of woodland has areas of temporary open space[6].	<10% or >40% of woodland has areas of temporary open space[6]. But if woodland <10ha has <10% temporary open space, please see Good category[7].	2	2	2	1
G	**Woodland regeneration**	All three classes present in woodland[8]; trees 4 - 7 cm Diameter at Breast Height (DBH), saplings and seedlings or advanced coppice	One or two classes only present in woodland[8].	No classes or coppice regrowth present in woodland[8].	3	3	3	2

Condition Sheet: WOODLAND Habitat Type								
G	**Woodland regeneration**	7 cm Diameter at Breast Height (DBH), saplings and seedlings or advanced coppice regrowth.	One or two classes only present in woodland[8].	No classes or coppice regrowth present in woodland[8].				
H	**Tree health**	Tree mortality less than 10%, no pests or diseases and no crown dieback[9].	11% to 25% tree mortality and or crown dieback or low-risk pest or disease present[9].	Greater than 25% tree mortality and or any high-risk pest or disease present[9].	2	2	2	1
I	**Vegetation and ground flora**	Recognisable NVC plant community[10] at ground layer present, strongly characterised by ancient woodland flora specialists.	Recognisable woodland NVC plant community[10] at ground layer present.	No recognisable woodland NVC plant community[10] at ground layer present.	3	3	3	3
J	**Woodland vertical structure**	Three or more storeys across all survey plots, or a complex woodland[11].	Two storeys across all survey plots[11].	One or less storey across all survey plots[11].	3	2	2	2
K	**Veteran trees**	Two or more veteran trees[12] per hectare.	One veteran tree[12] per hectare.	No veteran trees[12] present in woodland.	1	1	1	1
L	**Amount of deadwood**	50% of all survey plots within the woodland parcel have deadwood, such as standing deadwood, large dead branches and or stems, branch stubs and stumps, or an abundance of small cavities[13].	Between 25% and 50% of all survey plots within the woodland parcel have deadwood, such as standing deadwood, large dead branches and or stems, stubs and stumps, or an abundance of small cavities[13].	Less than 25% of all survey plots within the woodland parcel have deadwood, such as standing deadwood, large dead branches and or stems, stubs and stumps, or an abundance of small cavities[13].	2	2	2	1
M	**Woodland disturbance**	No nutrient enrichment or damaged ground evident[14].	Less than 1 hectare in total of nutrient enrichment across woodland area and or less than 20% of woodland area has damaged ground[14].	More than 1 hectare of nutrient enrichment and or more than 20% of woodland area has damaged ground[14].	2	1	1	1
				Total Score (out of a possible 39)				

Condition Assessment Result	Condition Assessment Score	Result Achieved			
Total score >32 (33 to 39)	Good (3)	32			
Total score 26 to 32	Moderate (2)		30	30	
Total score <26 (13 to 25)	Poor (1)				23
Suggested enhancement interventions to improve condition score					

PROPOSED HABITATS

Condition Sheet: GRASSLAND Habitat Type (low distinctiveness)			
UK Habitat Classification (UKHab) Habitat Type(s)			
Grassland - Modified grassland			
Site name and location		**On-site or off-site**	
Limitations (if applicable)		**Survey reference (if relating to a wider survey)**	
Grid reference		**Habitat parcel reference**	
Habitat Description			
Amenity grass			
ukhab – UK Habitat Classification			

	Condition Assessment Criteria	Criterion passed (Yes or No)	N
A	There are 6-8 vascular plant species per m² present, including at least 2 forbs (this may include those listed in Footnote 1). **Note - this criterion is essential for achieving Moderate or Good condition.** Where the vascular plant species present are characteristic of medium, high or very high distinctiveness grassland, or there are 9 or more of these characteristic species per m² (excluding those listed in Footnote 1), please review the full UKHab description to assess whether the grassland should instead be classified as a higher distinctiveness grassland. Where a grassland is classed as medium, high, or very high distinctiveness, please use the relevant condition sheet.	N	
B	Sward height is varied (at least 20% of the sward is less than 7 cm and at least 20% is more than 7 cm) creating microclimates which provide opportunities for vertebrates and invertebrates to live and breed.	N	
C	Some scattered scrub (including bramble *Rubus fruticosus* agg.) may be present, but scrub accounts for less than 20% of total grassland area. Note - patches of scrub with continuous (more than 90%) cover should be classified as the relevant scrub habitat type.	Y	
D	Physical damage is evident in less than 5% of total grassland area. Examples of physical damage include excessive poaching, damage from machinery use or storage, erosion caused by high levels of access, or any other damaging management activities.	Y	
E	Cover of bare ground is between 1% and 10%, including localised areas (for example, a concentration of rabbit warrens)[2].	Y	
F	Cover of bracken *Pteridium aquilinum* is less than 20%.	Y	
G	There is an absence of invasive non-native plant species[3] (as listed on Schedule 9 of WCA[4]).	Y	
		Essential criterion achieved (Yes or No)	
		Number of criteria passed	

Condition Assessment Result (out of 7 criteria)	Condition Assessment Score	Score Achieved x/

Condition Sheet: GRASSLAND Habitat Type (medium, high and very high distinctiveness)						
Limitations (if applicable)		**Habitat parcel reference**				
		Traditional	Species rich grass			
Condition Assessment Criteria		**Grid reference**				
		Criterion passed (Yes or No)				
A	The grassland is a good representation of the habitat type it has been identified as, based on its UKHab description - the appearance and composition of the vegetation closely matches the characteristics of the specific grassland habitat type. Indicator species listed by UKHab for the specific grassland habitat type are consistently present. **Note - this criterion is essential for achieving Moderate or Good condition for non-acid grassland types only.**	Y	Y			
B	Sward height is varied (at least 20% of the sward is less than 7 cm and at least 20% is more than 7 cm) creating microclimates which provide opportunities for insects, birds and small mammals to live and breed.	N	N			
C	Cover of bare ground is between 1% and 5%, including localised areas, for example, rabbit warrens[1].	Y	Y			
D	Cover of bracken *Pteridium aquilinum* is less than 20% and cover of scrub (including bramble *Rubus fruticosus* agg.) is less than 5%.	Y	Y			
E	Combined cover of species indicative of sub-optimal condition[2] 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 plant species[3] (as listed on Schedule 9 of WCA[4]) are present, this criterion is automatically failed.	Y	Y			
Additional Criterion - must be assessed for all non-acid grassland types						
F	There are 10 or more vascular plant species per m² present, including forbs that are characteristic of the habitat type (species referenced in Footnote 2 and 4 cannot contribute towards this count). **Note - this criterion is essential for achieving Good condition for non-acid grassland types only.**	N	N			
	Essential criterion for Good condition achieved (for non-acid grassland) (Yes or No)					
	Number of criteria passed					
Condition Assessment Resul	**Condition Assessment Score**	**Score Achieved x/l**				
Acid Grassland types (Result out of 5 criteria)						
Passes 5 criteria	Good (3)					
Passes 3 or 4 criteria	Moderate (2)					
Passes 2 or fewer criteria	Poor (1)					
Non-acid grassland types (Result out of 6 criteria)						
Passes 5 or 6 criteria, including essential criterion A and additional criterion F.	Good (3)					
Passes 3 - 5 criteria, including essential criterion A.	Moderate (2)	Mod	Mod			

Condition sheet: HEDGEROW Habitat Types

Attributes and functional groupings (A, B, C, D and E)		Criteria – the minimum requirements for 'favourable condition'	Criteria description	Habitat parcel reference									
				Create	H5	H7	H12	H14	H15	H16	H17	H18	H13
				Grid reference									
Core groups – applicable to all hedgerow types				**Criterion passed (Yes or No)**									
A1.	Height	>1.5 m average along length	The average height of woody growth estimated from base of stem to the top of the shoots, excluding any bank beneath the hedgerow, any gaps or isolated trees. Newly laid or coppiced hedgerows are indicative of good management and pass this criterion for up to a maximum of four years (if undertaken according to good practice). A newly planted hedgerow does not pass this criterion (unless it is >1.5 m height).	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
A2.	Width	>1.5 m average along length	The average width of woody growth estimated at the widest point of the canopy, excluding gaps and isolated trees. Outgrowths (such as blackthorn *Prunus spinosa* suckers) are only included in the width estimate when they are >0.5 m in height. Laid, coppiced, cut and newly planted hedgerows are indicative of good management and pass this criterion for up to a maximum of four years (if undertaken according to good practice).	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
B1.	Gap - hedge base	Gap between ground and base of canopy <0.5 m for >90% of length	This is the vertical 'gappiness' of the woody component of the hedgerow, and its distance from the ground to the lowest leafy growth. Certain exceptions to this criterion are acceptable (see page 65 of the Hedgerow Survey Handbook).	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
B2.	Gap - hedge canopy continuity	Gaps make up <10% of total length; and No canopy gaps >5 m	This is the horizontal 'gappiness' of the woody component of the hedgerow. Gaps are complete breaks in the woody canopy (no matter how small). Access points and gates contribute to the overall 'gappiness' but are not subject to the >5 m criterion (as this is the typical size of a gate).	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
C1.	Undisturbed ground and perennial	>1 m width of undisturbed ground with perennial herbaceous vegetation for >90% of length:	This is the level of disturbance (excluding wildlife disturbance) at the base of the hedgerow.	N	N	N	N	N	N	N	N	N	N

C1.	Undisturbed ground and perennial vegetation	>1 m width of undisturbed ground with perennial herbaceous vegetation for >90% of length: · Measured from outer edge of hedgerow; and · Is present on one side of the hedgerow (at least).	This is the level of disturbance (excluding wildlife disturbance) at the base of the hedgerow. Undisturbed ground is present for at least 90% of the hedgerow length, greater than 1 m in width and must be present along at least one side of the hedgerow. This criterion recognises the value of the hedgerow base as a boundary habitat with the capacity to support a wide range of species. Cultivation, heavily trodden footpaths, poached ground etc. can limit available habitat niches.	N	N	N	N	N	N	N	N	N	N
C2.	Nutrient-enriched perennial vegetation	Plant species indicative of nutrient enrichment of soils dominate <20% cover of the area of undisturbed ground.	The indicator species used are nettles *Urtica* spp., cleavers *Galium aparine* and docks *Rumex* spp. Their presence, either singly or together, does not exceed the 20% cover threshold.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
D1.	Invasive and neophyte species	>90% of the hedgerow and undisturbed ground is free of invasive non-native plant species (including those listed on Schedule 9 of WCA[3]) and recently introduced species.	Recently introduced species refer to plants that have naturalised in the UK since AD 1500 (neophytes). Archaeophytes count as natives. For information on archaeophytes and neophytes see the JNCC website[4], as well as the BSBI website[5] where the 'Online Atlas of the British and Irish Flora'[6] contains an up-to-date list of the status of species. For information on invasive non-native species see the GB Non-Native Secretariat website[7].	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
D2.	Current damage	>90% of the hedgerow or undisturbed ground is free of damage caused by human activities.	This criterion addresses damaging activities that may have led to or lead to deterioration in other attributes. This could include evidence of pollution, piles of manure or rubble, or inappropriate management practices (e.g., excessive hedgerow cutting).	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Condition sheet: HEDGEROW Habitat Types

Attributes and functional groupings (A, B, C, D and E)		Criteria – the minimum requirements for 'favourable condition'	Criteria description	H11			
				Grid reference			
Core groups – applicable to all hedgerow types				**Criterion passed (Yes or N**			
A1.	Height	>1.5 m average along length	The average height of woody growth estimated from base of stem to the top of the shoots, excluding any bank beneath the hedgerow, any gaps or isolated trees. Newly laid or coppiced hedgerows are indicative of good management and pass this criterion for up to a maximum of four years (if undertaken according to good practice). A newly planted hedgerow does not pass this criterion (unless it is >1.5 m height).	Y			
A2.	Width	>1.5 m average along length	The average width of woody growth estimated at the widest point of the canopy, excluding gaps and isolated trees. Outgrowths (such as blackthorn *Prunus spinosa* suckers) are only included in the width estimate when they are >0.5 m in height. Laid, coppiced, cut and newly planted hedgerows are indicative of good management and pass this criterion for up to a maximum of four years (if undertaken according to good practice).	Y			
B1.	Gap - hedge base	Gap between ground and base of canopy <0.5 m for >90% of length	This is the vertical 'gappiness' of the woody component of the hedgerow, and its distance from the ground to the lowest leafy growth. Certain exceptions to this criterion are acceptable (see page 65 of the Hedgerow Survey Handbook).	Y			
B2.	Gap - hedge canopy continuity	Gaps make up <10% of total length; and No canopy gaps >5 m	This is the horizontal 'gappiness' of the woody component of the hedgerow. Gaps are complete breaks in the woody canopy (no matter how small). Access points and gates contribute to the overall 'gappiness' but are not subject to the >5 m criterion (as this is the typical size of a gate).	Y			
C1.	Undisturbed ground and perennial	>1 m width of undisturbed ground with perennial herbaceous vegetation for >90% of length:	This is the level of disturbance (excluding wildlife disturbance) at the base of the hedgerow.	N			

C1.	Undisturbed ground and perennial vegetation	>1 m width of undisturbed ground with perennial herbaceous vegetation for >90% of length: · Measured from outer edge of hedgerow; and · Is present on one side of the hedgerow (at least).	This is the level of disturbance (excluding wildlife disturbance) at the base of the hedgerow. Undisturbed ground is present for at least 90% of the hedgerow length, greater than 1 m in width and must be present along at least one side of the hedgerow. This criterion recognises the value of the hedgerow base as a boundary habitat with the capacity to support a wide range of species. Cultivation, heavily trodden footpaths, poached ground etc. can limit available habitat niches.	N			
C2.	Nutrient-enriched perennial vegetation	Plant species indicative of nutrient enrichment of soils dominate <20% cover of the area of undisturbed ground.	The indicator species used are nettles *Urtica* spp., cleavers *Galium aparine* and docks *Rumex* spp. Their presence, either singly or together, does not exceed the 20% cover threshold.	Y			
D1.	Invasive and neophyte species	>90% of the hedgerow and undisturbed ground is free of invasive non-native plant species (including those listed on Schedule 9 of WCA[3]) and recently introduced species.	Recently introduced species refer to plants that have naturalised in the UK since AD 1500 (neophytes). Archaeophytes count as natives. For information on archaeophytes and neophytes see the JNCC website[4], as well as the BSBI website[5] where the 'Online Atlas of the British and Irish Flora'[6] contains an up-to-date list of the status of species. For information on invasive non-native species see the GB Non-Native Secretariat website[7].	Y			
D2.	Current damage	>90% of the hedgerow or undisturbed ground is free of damage caused by human activities.	This criterion addresses damaging activities that may have led to or lead to deterioration in other attributes. This could include evidence of pollution, piles of manure or rubble, or inappropriate management practices (e.g., excessive hedgerow cutting).	Y			

Condition Sheet: INDIVIDUAL TREES Habitat Type

Habitat Type(s)

Individual trees – Urban trees
Individual trees – Rural trees
Complete a condition sheet for each tree or block of trees.

Please see separate Line of trees condition sheet for a line of Rural trees.

Habitat Description

Individual trees (description applied to the urban or rural environment):
Young trees over 7.5 cm in diameter at breast height whose canopies are not touching.

Urban Perimeter / Linear Blocks and Groups (description applied to the urban environment only)
Groups or stands of trees (size requirement as defined above) within and around the perimeter of urban land. This includ railways and canals, and also former field boundary trees incorporated into developments. Canopies must overlap cont don't match the descriptions for woodland may be assessed within this category.

Site name and location		**On-site or off-site**
Limitations (if applicable)		**Survey reference (if relating to a wider survey)**
Grid reference		**Habitat parcel reference**

	Condition Assessment Criteria	**Criterion passed (Yes or No)**
A	The tree is a native species (or at least 70% within the block are native species).	Y
B	The tree canopy is predominantly continuous, with gaps in canopy cover making up <10% of total area and no individual gap being >5 m wide (individual trees automatically pass this criterion).	Y
C	The tree is mature (or more than 50% within the block are mature).	N
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.	Y
E	Natural ecological niches for vertebrates and invertebrates are present, such as presence of deadwood, cavities, ivy or loose bark.	N
F	More than 20% of the tree canopy area is oversailing vegetation beneath.	Y
	Number of criteria passed	

Condition Assessment Result (out of 6 criteria)	**Condition Assessment Score**	**Score Achieved x/l**
Passes 5 or 6 criteria	Good (3)	
Passes 3 or 4 criteria	Moderate (2)	Moderate
Passes 2 or fewer criteria	Poor (1)	
Note that 'Fairly Good and Fairly Poor' condition categories are not available for this broad habitat type.		

Condition Sheet: LINE OF TREES Habitat Type

Habitat Type(s)
Line of trees
Line of trees – associated with bank or ditch
Ecologically valuable line of trees
Ecologically valuable line of trees – associated with bank or ditch

Habitat Description
Line of trees

See the Biodiversity Metric 4.0 User Guide Section 9.

This assessment is based on the Hedgerow Survey Handbook[1]. For further clarifications please refer to the H
Where ancient and veteran trees are present within the line of trees, see Footnote 2 for standing advice.

Site name and location		**On-site or off-site**	
Limitations (if applicable)		**Survey reference (if relating to a wider survey)**	
Grid reference		**Habitat parcel reference**	

	Condition Assessment Criteria	Criterion passed (Yes or No)	N
A	At least 70% of trees are native species.	Y	
B	Tree canopy is predominantly continuous with gaps in canopy cover making up <10% of total area and no individual gap being >5 m wide.	Y	
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.	N	
D	There is an undisturbed naturally-vegetated strip of at least 6 m 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[2].	N	
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.	Y	
		Number of criteria passed	

Condition Assessment Result (out of 5 criteria)	Condition Assessment Score	Score Achieved x/
Passes 5 criteria	Good (3)	
Passes 3 or 4 criteria	Moderate (2)	Moderate
Passes 2 or fewer criteria	Poor (1)	

Condition Sheet: POND Habitat Type

Habitat Type(s)

Lakes - Ponds (priority habitat)
Lakes - Ponds (non-priority habitat)
Lakes - Temporary lakes ponds and pools (H3170) [Use this condition sheet for Temporary condition sheet for Temporary lakes]
Lakes - Ornamental lake or pond [Use this condition sheet for Ornamental ponds, use Lake con lakes]

Habitat Description

ukhab – UK Habitat Classification

For ponds (non-priority) – see the Biodiversity Metric 4.0 Technical Annex 2.

Site name and location		**On-site or off-site**	
Limitations (if applicable)		**Survey reference (if relating to a wider survey)**	
Grid reference		**Habitat parcel reference**	

	Condition Assessment Criteria	**Criterion passed (Yes or No)**	**N ju**
Core Criteria - applicable to all ponds (woodland[1] and non-woodland):			
A	The pond is of good water quality, with clear water (low turbidity) indicating no obvious signs of pollution. Turbidity is acceptable if the pond is grazed by livestock.	N	
B	There is semi-natural habitat (moderate distinctiveness or above) completely surrounding the pond, for at least 10 m from the pond edge for its entire perimeter.	Y	
C	Less than 10% of the water surface is covered with duckweed *Lemna* spp. or filamentous algae.	Y	
D	The pond is not artificially connected to other waterbodies, e.g. agricultural ditches or artificial pipework.	N	
E	Pond water levels can fluctuate naturally throughout the year. No obvious artificial dams[2], pumps or pipework.	N	
F	There is an absence of listed non-native plant and animal species[3].	Y	
G	The pond is not artificially stocked with fish. If the pond naturally contains fish, it is a native fish assemblage at low densities.	Y	
Additional Criteria - must be assessed for all non-woodland ponds:			
H	Emergent, submerged or floating plants (excluding duckweed)[4] cover at least 50% of the pond area which is less than 3 m deep.	Y	
I	The pond surface is no more than 50% shaded by adjacent trees and scrub.	Y	
	Number of criteria passed		

Condition Assessment Result	**Condition Assessment Scor**	**Score Achieved**
Results for woodland ponds which require assessment of 7 core criteria		
Passes 7 criteria	Good (3)	
Passes 5 or 6 criteria	Moderate (2)	
Passes 4 or fewer criteria	Poor (1)	
Results for non-woodland ponds which require assessment of 9 criteria		
Passes 9 criteria	Good (3)	
Passes 6 to 8 criteria	Moderate (2)	Moderate
Passes 5 or fewer criteria	Poor (1)	

Suggested enhancement interventions to improve condition score

Condition Sheet: SCRUB Habitat Type						
For Dunes with sea buckthorn see:	Dunes with sea-buckthorn (Dunes with Hippophae rhamnoides) - Spe					
For other scrub types see:	ukhab – UK Habitat Classification					
Site name and location		**On-site or off-site**				
		Survey reference (if relating to a wider survey)				
Limitations (if applicable)		**Habitat parcel refere**				
		Gors e	**Nativ e**			
		Grid reference				
Condition Assessment Criteria						
		Criterion passed (Ye				
A	The scrub is a good representation of the habitat type it has been identified as, based on its UKHab description (where in its natural range). The appearance and composition of the vegetation closely matches the characteristics of the specific scrub type. At least 80% of scrub is native, and there are at least three native woody species[1], with 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).	Y	Y			
B	Seedlings, saplings, young shrubs and mature (or ancient or veteran[2]) shrubs are all present.	N	N			
C	There is an absence of invasive non-native plant species[3] (as listed on Schedule 9 of WCA[4]) and species indicative of sub-optimal condition[5] make up less than 5% of ground cover.	Y	Y			
D	The scrub has a well-developed edge with scattered scrub and tall grassland and or forbs present between the scrub and adjacent habitat.	Y	Y			
E	There are clearings, glades or rides present within the scrub, providing sheltered edges.	N	N			
	Number of criteria passed					
Condition Assessment Result (out of 5 criteria)	**Condition Assessment Score**	**Score Achieved x/**				
Passes 5 criteria	Good (3)					
Passes 3 or 4 criteria	Moderate (2)	Mod	Mod			
Passes 2 or fewer criteria	Poor (1)					
Suggested enhancement interventions to improve condition score						

Condition Sheet: URBAN Habitat Type				
Limitations (if applicable)		**Habitat parcel reference**		
		Allotments	**Bioswale**	**Attentuation**
		Grid reference		
Condition Assessment Criteria				
		Criterion passed (Yes or		
Core Criteria - must be assessed for **all urban habitat types**:				
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.	Y	N	Y
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.	Y	Y	Y
C	Invasive non-native plant species (listed on Schedule 9 of WCA[1]) and others which are to the detriment of native wildlife (using professional judgement)[2] cover less than 5% of the total vegetated area[3]. **Note - to achieve Good condition, this criterion must be satisfied by a complete absence of invasive non-native species (rather than <5% cover)**	Y	Y	Y
Additional Criteria - must be assessed for **Open mosaic habitat on previously developed land** only:				
D1	The parcel shows spatial variation and forms a mosaic of at least four early successional communities (a) to (h) PLUS bare substrate. (a) annuals; (b) mosses/liverworts; (c) lichens; (d) ruderals; (e) inundation species; (f) open grassland; (g) flower-rich grassland; (h) heathland.			
D2	The parcel contains pools of water such as permanent and ephemeral waterbodies.			
Additional Criteria - must be assessed for **Bioswale and SuDS** habitat types only:				
E1	Plant species are mostly native. If non-native species are present, they should not be detrimental to the habitat or native wildlife[4].		Y	Y
E2	The vegetation is comprised of plant species suited to wetland or riparian situations		Y	Y

Condition Sheet: WETLAND Habitat Type

Habitat Description

Reedbed

For Oceanic valley mires - see EUNIS

See the Biodiversity Metric 4.0 User Guide for Floodplain wetland mosaic and coastal and floodplain grazing marsh (CF
see the below:

Coastal and floodplain grazing marsh UK BAP Priority Habitat description

Priority Habitat Inventory (England) - data.gov.uk

All other wetland habitats - see UK Habitat Classification (UKHab):

UKHab

Site name and location		**On-site or off-site**	
Limitations (if applicable)		**Survey reference (if relating to a wider survey)**	
Grid reference		**Habitat parcel reference**	

	Condition Assessment Criteria	**Criterion passed (Yes or No)**	
Core Criteria - must be assessed for **all wetland habitat types**:			
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.**	Y	
B	The parcel is a good representation of the wetland habitat type it has been identified as, based on its UKHab description - as in, the appearance and composition of the vegetation closely matches the characteristics of the specific habitat type. Indicator species for the specific wetland habitat type[1] listed by UKHab are consistently present.	Y	
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.	Y	
D	Cover of scrub and scattered trees are less than 10%.	Y	
E	Cover of bare ground is less than 5%.	Y	
F	There is an absence of invasive non-native plant species[2] (as listed on Schedule 9 of WCA[3]) and species indicative of sub-optimal condition[4] make up less than 5% of ground cover.	Y	
Additional Criterion - must be assessed for **Fen and Purple moor grass and rush pasture** habitats only:			
G	No more than 25% of the habitat area has a continuous cover of litter (such as dead vegetation) preventing regeneration.		
Additional Criterion - must be assessed for **Bog** habitats only:			
H	Sphagnum moss *Sphagnum* spp. and cottongrasses *Eriophorum* spp. are at least Frequent[5]. Cover of ericaceous dwarf shrubs[6] is less than 75%.		
Additional Criterion - must be assessed for **Reedbed** habitats only:			
	The reedbed has a diverse structure with between 60 and 80% reeds *Phragmites australis* . Other areas may include open water (at least 10%), species-rich fen and or wet woodland.	N	
Additional Criterion - must be assessed for **Floodplain wetland mosaic and CFGM** only:			
J	All ditches recorded within the habitat achieve Good condition as assessed using the Ditch condition sheet. Note – do not record ditches which are part of the floodplain wetland mosaic and CFGM within the Watercourse module.		
	Essential criterion achieved (required for Good condition) Yes or No:		

Condition Sheet: WOODLAND Habitat Type

Proposed woodland planting - Other woodland; mixed

ukhab – UK Habitat Classification

This condition sheet is based on the England Woodland Biodiversity Group (EWBG) Woodland Condition Survey M
Woodland Wildlife Toolkit (sylva.org.uk)

MPORTANT: This biodiversity metric woodland condition assessment must be used to assess woodland being i
metric. The outputs of this condition assessment are not equivalent to, nor are they comparable with the scores fr
assessment, because the EWBG assessment has been adapted for the biodiversity metric, including the removal c
Proportion of favourable land cover around woodland) and Indicator 14 (Size of woodland), and minor changes to

Site name and location		**On-site or off-site**	
Limitations (if applicable)		**Survey reference (if relating to a wider survey)**	
Grid reference		**Habitat parcel reference**	

Condition Assessment Criteria

	Indicator	Good (3 points)	Moderate (2 point	Poor (1 point)	Score per
A	**Age distribution of trees**	Three age-classes[1] present.	Two age-classes[1] present.	One age-class[1] present.	1
B	**Wild, domestic and feral herbivore damage**	No significant browsing damage evident in woodland[2].	Evidence of significant browsing pressure is present in 40% or less of whole woodland[2].	Evidence of significant browsing pressure is present in 40% or more of whole woodland[2].	3
C	**Invasive plant species**	No invasive species[3] present in woodland.	Rhododendron *Rhododendron ponticum* or cherry laurel *Prunus laurocerasus* not present, other invasive species[3] <10% cover.	Rhododendron or cherry laurel present, or other invasive species[3] >10% cover.	3
D	**Number of native tree species**	Five or more native tree or shrub species[4] found across woodland parcel.	Three to four native tree or shrub species[4] found across woodland parcel.	Two or less native tree or shrub species[4] across woodland parcel.	3
E	**Cover of native tree and shrub species**	>80% of canopy trees and >80% of understory shrubs are native[5].	50 - 80% of canopy trees and 50 - 80% of understory shrubs are native[5].	<50% of canopy trees and <50% of understory shrubs are native[5].	3
F	**Open space within woodland**	10 - 20% of woodland has areas of temporary open space[6]. Unless woodland is <10ha, in which case 0 - 20% temporary open space is permitted[7].	21 - 40% of woodland has areas of temporary open space[6].	<10% or >40% of woodland has areas of temporary open space[6]. But if woodland <10ha has <10% temporary open space, please see Good category[7].	3

G	**Woodland regeneration**	All three classes present in woodland[9]; trees 4 - 7 cm Diameter at Breast Height (DBH), saplings and seedlings or advanced coppice regrowth.	One or two classes only present in woodland[9].	No classes or coppice regrowth present in woodland[9].	1	
H	**Tree health**	Tree mortality less than 10%, no pests or diseases and no crown dieback[3].	11% to 25% mortality and/or crown dieback or low-risk pest or disease present[3].	Greater than 25% tree mortality and or any high-risk pest or disease present[3].	3	
I	**Vegetation and ground flora**	Recognisable NVC plant community[10] at ground layer present, strongly characterised by ancient woodland flora specialists.	Recognisable woodland NVC plant community[10] at ground layer present.	No recognisable woodland NVC plant community[10] at ground layer present.	1	
J	**Woodland vertical structure**	Three or more storeys across all survey plots or a complex woodland[11].	Two storeys across all survey plots[11].	One or less storey across all survey plots[11].	1	
K	**Veteran trees**	Two or more veteran trees[12] per hectare.	One veteran tree[12] per hectare.	No veteran trees[12] present in woodland.	1	
L	**Amount of deadwood**	50% of all survey plots within the woodland parcel have deadwood, such as standing deadwood, large dead branches and or stems, branch stubs and stumps, or an abundance of small cavities[13].	Between 25% and 50% of all survey plots within the woodland parcel have deadwood, such as standing deadwood, large dead branches and or stems, stubs and stumps, or an abundance of small cavities[13].	Less than 25% of all survey plots within the woodland parcel have deadwood, such as standing deadwood, large dead branches and or stems, stubs and stumps, or an abundance of small cavities[13].	1	
M	**Woodland disturbance**	No nutrient enrichment or damaged ground evident[14].	Less than 1 hectare in total of nutrient enrichment across woodland area and or less than 20% of woodland area has damaged ground[14].	More than 1 hectare of nutrient enrichment and or more than 20% of woodland area has damaged ground[14].	2	
				Total Score (out of a possible 39)		

Condition Assessment Result	**Condition Assessment Score**	**Result Achieved**
Total score >32 (33 to 39)	Good (3)	26 - Moderate
Total score 26 to 32	Moderate (2)	
Total score <26 (13 to 25)	Poor (1)	
Suggested enhancement interventions to improve condition score		

APPENDIX 3
RIVER CONDITION ASSESSMENT

APPENDIX 3

River Type Desk Study

Ditch 1 is a tributary of the River Dearne. The river reach is approximately 0.79km in length and the valley length is approximately 0.75km. There is one single channel present and is an unconfined watercourse. The coarsest bed material is Boulder, and the average bed material size is Gravel/Pebble. The river type was calculated as Type F straight/sinuous.

Ditch 6 is a tributary of the River Dearne. The river reach is approximately 0.9km in length and the valley length is approximately 0.88km. There is one single channel present and is an unconfined watercourse. The coarsest bed material is Boulder, and the average bed material size is Gravel/Pebble. The river type was calculated as Type F straight/sinuous.

MoRPh 5 Pro Raw Data			
longitude	-1.516591	-1.518194	-1.520352
latitude	53.559035	53.561388	53.560413
easting	432119.4481	432011.5157	431869.29
northing	407043.4694	407304.5135	407195.0434
ngr	SE 32119 07043	SE 32011 07304	SE 31869 07195
riverName	Tributary of River Dearne 2	Tributary of River Dearne	Tributary of River Dearne
reachName	Tributary of River Dearne 2, Barnsley West	Tributary of River Dearne, Barnsley West	Tributary of River Dearne, Barnsley West
subreachName	Tributary of River Dearne 2, Barnsley West, Barnsley West D6	Tributary of River Dearne, Barnsley West, Barnsley West D1.1	Tributary of River Dearne, Barnsley West, Barnsley West D1.2
projectName	Barnsley West	Barnsley West	Barnsley West
projectCode	Barnsley West	Barnsley West	Barnsley West
surveyType	pre-project	pre-project	pre-project
moduleNumbers	1 to 5	1 to 5	1 to 5
preliminaryConditionScore	1.5101215	1.5425102	1.3522267
shape	0.7919255	1.8624642	0.8850227
averageWidth	1.02	1.3	1.17
PositiveIndexAverage	1.8947369	2.1578948	1.7368422
NegativeIndexAverage	-0.3846154	-0.61538464	-0.3846154
A6	FALSE	FALSE	FALSE
A7	BO	BO	GP
A8	GP	GP	SA
B1	4	4	4
B2	1	0	1
B3	0	2	0
B4	0	0	0
B5	0	0	0

C1	2	3	3
C2	1	1	1
C3	2	3	2
C4	3	3	3
C5	3	2	1
C6	3	4	3
C7	0	0	0
C8	-1	-1	0
C9	-1	-2	0
C10	0	0	0
D1	1	2	1
D2	0	1	0
D3	2	1	1
D4	1	1	1
D5	-1	0	0
E1	0	1	0
E2	2	2	2
E3	2	2	2
E4	3	3	3
E5	2	2	2
E6	4	4	3
E7	-2	-4	-4
E8	0	-1	0
E9	0	0	0
E10	0	0	-1
E11	0	0	0
E12	0	0	0

MoRPh Pro Raw Data - Subreach D1.1					
longitude	-1.518627	-1.518339	-1.51808	-1.517898	-1.517761
latitude	53.561134	53.561303	53.561455	53.561562	53.561642
easting	431983.0284	432001.9779	432019.0192	432030.994	432040.0083
northing	407276.0531	407294.984	407312.0107	407323.9964	407332.9582
ngr	SE 31983 07276	SE 32001 07294	SE 32019 07312	SE 32030 07323	SE 32040 07332
timestamp	2023-07-12T09:00:00Z	2023-07-12T09:00:00Z	2023-07-12T09:00:00Z	2023-07-12T09:00:00Z	2023-07-19T09:00:00Z
riverName	Tributary of River Dearne	Tributary of River Dearne	Tributary of River Dearne	Tributary of River Dearne	Tributary of River Dearne
reachName	Tributary of River Dearne, Barnsley West	Tributary of River Dearne, Barnsley West	Tributary of River Dearne, Barnsley West	Tributary of River Dearne, Barnsley West	Tributary of River Dearne, Barnsley West
subreachName	Tributary of River Dearne, Barnsley West, Barnsley West D1.1	Tributary of River Dearne, Barnsley West, Barnsley West D1.1	Tributary of River Dearne, Barnsley West, Barnsley West D1.1	Tributary of River Dearne, Barnsley West, Barnsley West D1.1	Tributary of River Dearne, Barnsley West, Barnsley West D1.1
moduleNumber	1	2	3	4	5
projectName	Barnsley West	Barnsley West	Barnsley West	Barnsley West	Barnsley West
projectCode	Barnsley West	Barnsley West	Barnsley West	Barnsley West	Barnsley West
surveyType	pre-project	pre-project	pre-project	pre-project	pre-project
index1	1	3	2	2	3
index2	RP	CH	RP	RP	RP
index3	5	4	3	3	2
index4	BO	BO	CO	CO	GP
index5	-3.25	-3.5904763	-6.2897725	-0.8214286	-3.3732395

index6	GP	GP	CO	SA	GP
index7	0.3	6.8	7.65	2	6.7
index8	4.1666665	4.5833335	3.3333333	2.9166667	3.75
index9	1	1	1	0	0
index10	2.6190476	2.1904762	3.6190476	2.4880953	3.3809524
index11	4.5	5	5.5	6	5
index12	0	0	0	0	0
index13	0	0	0	0.95	0
index14	0	0	0	0	0
himalayanBalsam	A	A	A	A	A
japaneseKnotweed	A	A	A	A	A
giantHogweed	A	A	A	A	A
floatingPennywort	A	A	A	A	A

MoRPh Pro Raw Data - Sub-reach D1.2					
longitude	-1.520585	-1.520448	-1.520326	-1.520204	-1.520113
latitude	53.560243	53.56035	53.56043	53.56052	53.560573
easting	431854.0007	431862.9954	431871.0167	431879.0305	431885.0186
northing	407176.051	407188.0163	407196.9711	407207.0384	407212.9754
ngr	SE 31854 07176	SE 31862 07188	SE 31871 07196	SE 31879 07207	SE 31885 07212
timestamp	2023-07-19T13:09:34Z	2023-07-19T12:38:18Z	2023-07-19T12:34:16Z	2023-07-19T11:56:00Z	2023-07-19T11:58:28Z
riverName	Tributary of River Dearne	Tributary of River Dearne	Tributary of River Dearne	Tributary of River Dearne	Tributary of River Dearne
reachName	Tributary of River Dearne, Barnsley West	Tributary of River Dearne, Barnsley West	Tributary of River Dearne, Barnsley West	Tributary of River Dearne, Barnsley West	Tributary of River Dearne, Barnsley West

subreachName	Tributary of River Dearne, Barnsley West, Barnsley West D1.2	Tributary of River Dearne, Barnsley West, Barnsley West D1.2	Tributary of River Dearne, Barnsley West, Barnsley West D1.2	Tributary of River Dearne, Barnsley West, Barnsley West D1.2	Tributary of River Dearne, Barnsley West, Barnsley West D1.2
moduleNumber	1	2	3	4	5
projectName	Barnsley West	Barnsley West	Barnsley West	Barnsley West	Barnsley West
projectCode	Barnsley West	Barnsley West	Barnsley West	Barnsley West	Barnsley West
surveyType	pre-project	pre-project	pre-project	pre-project	pre-project
index1	1	2	2	2	2
index2	SM	CH	RP	RP	RP
index3	0	1	3	3	1
index4			GP	GP	GP
index5	-8		1.075	1.075	-3.5
index6	CO		SA	SA	GP
index7	0	6.7	2.85	1.15	6.7
index8	1.25	2.9166667	3.3333333	3.3333333	1.6666666
index9	0	0	0	0	0
index10	1.6666666	0.4047619	1.9047619	1.9047619	1.9047619
index11	3	3.5	4.5	5	4
index12	0	0	0	0	0
index13	0	0	0	0	0
index14	0	0	0	0	0
himalayanBalsam	A	A	A	A	A
japaneseKnotweed	A	A	A	A	A
giantHogweed	A	A	A	A	A
floatingPennywort	A	A	A	A	A

MoRPh Pro Raw Data - Sub-reach D6					
longitude	-1.51642	-1.516523	-1.516673	-1.516703	-1.516853
latitude	53.558806	53.558986	53.559094	53.559103	53.559158
easting	432130.974	432124.0152	432113.9975	432112.0034	432102.0257
northing	407018.0427	407038.0222	407049.9702	407050.958	407057.0097
ngr	SE 32130 07018	SE 32124 07038	SE 32113 07049	SE 32112 07050	SE 32102 07057
timestamp	2023-07-12T09:00:00Z	2023-07-12T09:00:00Z	2023-07-12T09:00:00Z	2023-07-12T09:00:00Z	2023-07-12T09:00:00Z
riverName	Tributary of River Dearne 2	Tributary of River Dearne 2	Tributary of River Dearne 2	Tributary of River Dearne 2	Tributary of River Dearne 2
reachName	Tributary of River Dearne 2, Barnsley West	Tributary of River Dearne 2, Barnsley West	Tributary of River Dearne 2, Barnsley West	Tributary of River Dearne 2, Barnsley West	Tributary of River Dearne 2, Barnsley West
subreachName	Tributary of River Dearne 2, Barnsley West, Barnsley West D6	Tributary of River Dearne 2, Barnsley West, Barnsley West D6	Tributary of River Dearne 2, Barnsley West, Barnsley West D6	Tributary of River Dearne 2, Barnsley West, Barnsley West D6	Tributary of River Dearne 2, Barnsley West, Barnsley West D6
moduleNumber	1	2	3	4	5
projectName	Barnsley West	Barnsley West	Barnsley West	Barnsley West	Barnsley West
projectCode	Barnsley West	Barnsley West	Barnsley West	Barnsley West	Barnsley West
surveyType	pre-project	pre-project	pre-project	pre-project	pre-project
index1	2	2	1	2	2
index2	RP	UW	RP	UW	RP
index3	1	3	2	2	2
index4	CO	CO	CO	BO	CO
index5	-7.1904764	-4.130682	-4.028409	-4.7670455	-4.028409
index6	CO	GP	GP	GP	GP
index7	0	1.9	0	0	0

index8	2.9166667	2.5	3.3333333	3.3333333	3.3333333
index9	0	0	0	0	0
index10	2.3333333	2.3809524	2.857143	2.3809524	1.6666666
index11	4	4.5	3.5	4.5	4
index12	0	0	0	0	0
index13	0	0	0	0	0.1
index14	0	0	0	0	0
himalayanBalsam	A	A	A	A	A
japaneseKnotweed	A	A	A	A	A
giantHogweed	A	A	A	A	A
floatingPennywort	A	A	A	A	A

MoRPh River Type Raw Data		
longitude	-1.522017	-1.51674
latitude	53.557732	53.557209
easting	431761.0192	432110.9663
northing	406896.054	406840.2595
ngr	SE 31761 06896	SE 32110 06840
riverName	Tributary of River Dearne	Tributary of River Dearne 2
reachName	Tributary of River Dearne, Barnsley West	Tributary of River Dearne 2, Barnsley West
projectName	Barnsley West	Barnsley West
projectCode	Barnsley West	Barnsley West
Waterbody reference	D1	D6
riverCategory	Other	Other
a1	1	1
a2	1.0533333	1.0227273

a3	1	1
a4	Unconfined	Unconfined
a5	0.045333333	0.054545455
a6	FALSE	FALSE
a7	BO	BO
a8	GP	GP
calculatedRiverType	D	D
overriddenRiverType	F	F
finalRiverType	F	F

MoRPh Pro River Condition Raw Data			
longitude	-1.518194	-1.520352	-1.516591
latitude	53.561388	53.560413	53.559035
easting	432011.5157	431869.29	432119.4481
northing	407304.5135	407195.0434	407043.4694
ngr	SE 32011 07304	SE 31869 07195	SE 32119 07043
timestamp	2023-07-11T15:00:00Z	2023-07-11T15:00:00Z	2023-08-16T14:39:00Z
riverName	Tributary of River Dearne	Tributary of River Dearne	Tributary of River Dearne 2
reachName	Tributary of River Dearne, Barnsley West	Tributary of River Dearne, Barnsley West	Tributary of River Dearne 2, Barnsley West
projectName	Barnsley West	Barnsley West	Barnsley West
projectCode	Barnsley West	Barnsley West	Barnsley West
riverCategory	Other	Other	Other
a1	1	1	1
a2	0.9493671	0.9493671	1.0227273

a3	1	1	1
a4	Unconfined	Unconfined	Unconfined
a5	0.043037973	0.043037973	0.054545455
a6	FALSE	FALSE	FALSE
a7	BO	BO	BO
a8	GP	GP	GP
calculatedRiverType	D	D	D
overriddenRiverType	F	F	F
finalRiverType	F	F	F
multiMorphRiverName	Tributary of River Dearne	Tributary of River Dearne	Tributary of River Dearne 2
multiMorphReachName	Tributary of River Dearne, Barnsley West	Tributary of River Dearne, Barnsley West	Tributary of River Dearne 2, Barnsley West
subreachName	Tributary of River Dearne, Barnsley West, Barnsley West D1.1	Tributary of River Dearne, Barnsley West, Barnsley West D1.2	Tributary of River Dearne 2, Barnsley West, Barnsley West D6
moduleNumbers	1 to 5	1 to 5	1 to 5
surveyType	pre-project	pre-project	pre-project
shape	1.8624642	0.8850227	0.7919255
averageWidth	1.3	1.17	1.02
preliminaryConditionScore	1.5425102	1.3522267	1.5101215
finalConditionClass	FairlyGood	Moderate	FairlyGood

APPENDIX 4
METRIC 4.0 CALCULATION WORKSHEETS

Combined Residential and Employment Area

Project Name: Barnsley West Combined Map Reference:

A-1 On-Site Habitat Baseline

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

Area habitat summary	
Total Net Unit Change	123.59
Total Net % Change	28.17%
Trading Rules Satisfied	No - check trading summaries ▲

	Existing area habitats			Distinctiveness		Condition		Strategic significance				Ecological baseline	Retention category biodiversity value						Bespoke compensation agreed for unacceptable losses	Comments		
Ref	Broad Habitat	Habitat Type	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		User comments	Consenting body comments	GIS reference number
1	Cropland	Cereal crops	1.812962819	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 (c	3.63	0	0	0.00	0.00	1.81	3.63		A1, Commercial		
2	Cropland	Cereal crops	1.641092851	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 (c	3.28	0	0	0.00	0.00	1.64	3.28		A2, Commercial		
3	Cropland	Cereal crops	1.677520548	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 (c	3.36	0	0	0.00	0.00	1.68	3.36		A3, Commercial		
4	Cropland	Cereal crops	5.266279291	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 (c	10.53	0	0	0.00	0.00	5.27	10.53		A4, Residential		
5	Cropland	Cereal crops	0.623838863	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 (c	1.25	0	0	0.00	0.00	0.62	1.25		A5, Residential		
6	Grassland	Other neutral grassland	0.992056936	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required (b)	9.11	0	0	0.00	0.00	0.99	9.11		G1, Residential. LBAP. Condition criteria = FFFFFF Moderate		
7	Grassland	Other neutral grassland	0.221684539	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required (b)	2.04	0	0	0.00	0.00	0.22	2.04		G2, Residential. LBAP. Condition criteria = FFFFFF Moderate		
8	Grassland	Modified grassland	11.12946139	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required (c	51.20	0	0	0.00	0.00	11.13	51.20		G3, Residential. LBAP. Condition criteria = FFFFFFF Moderate		
9	Grassland	Modified grassland	3.347622446	Low	2	Good	3	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required (c	23.10	0	0	0.00	0.00	3.35	23.10		G4, Residential. LBAP. Condition criteria = FFFFFFF Good		
10	Grassland	Modified grassland	2.734587569	Low	2	Good	3	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required (c	18.87	0	0	0.00	0.00	2.73	18.87		G5, Residential. LBAP. Condition criteria = FFFFFFF Good		
11	Grassland	Modified grassland	7.916855156	Low	2	Good	3	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required (c	54.63	0	0	0.00	0.00	7.92	54.63		G6, Residential. LBAP. Condition criteria = FFFFFFF Good		
12	Grassland	Other neutral grassland	0.013164357	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required (b)	0.12	0	0	0.00	0.00	0.01	0.12		G7, Commercial. LBAP. Condition criteria = FFFFFF Moderate		
13	Grassland	Modified grassland	11.60792669	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required (c	53.40	0	0	0.00	0.00	11.61	53.40		G8, Residential. LBAP. Condition criteria = FFFFFFF Moderate		
14	Grassland	Modified grassland	0.847998041	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required (c	3.90	0	0	0.00	0.00	0.85	3.90		G9, Residential. LBAP. Condition criteria = FFFFFFF Moderate		
15	Grassland	Modified grassland	0.702355491	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required (c	1.62	0	0	0.00	0.00	0.70	1.62		G10, Commercial. LBAP. Condition criteria = FFFFFFF Poor		
16	Grassland	Modified grassland	1.429802021	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required (c	3.29	0	0	0.00	0.00	1.43	3.29		G10, Residential. LBAP. Condition criteria = FFFFFFF Poor		
17	Grassland	Modified grassland	3.398570455	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required (c	7.82	0	0	0.00	0.00	3.40	7.82		G11, Residential. LBAP. Condition criteria = FFFFFFF Poor		
18	Grassland	Modified grassland	10.56993896	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required (c	24.31	0	0	0.00	0.00	10.57	24.31		G12, Residential. LBAP. Condition criteria = FFFFFFF Poor		
19	Grassland	Modified grassland	5.354836681	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required (c	12.32	0	0	0.00	0.00	5.35	12.32		G13, Residential. Condition Criteria FFFFFFF Poor		
20	Grassland	Modified grassland	0.017918195	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required (c	0.04	0	0	0.00	0.00	0.02	0.04		G14, Residential. Condition Criteria FFFFFFF Poor		
21	Grassland	Modified grassland	0.841251474	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required (c	1.93	0	0	0.00	0.00	0.84	1.93		G15, Residential. Condition Criteria FFFFFFF Poor		
22	Grassland	Modified grassland	7.755200178	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required (c	17.84	0	0	0.00	0.00	7.76	17.84		G15,Commercial. Condition Criteria FFFFFFF Poor		
23	Grassland	Modified grassland	2.026809603	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required (c	4.66	0	0	0.00	0.00	2.03	4.66		G16, Commercial. Condition Criteria FFFFFFF Poor		
24	Grassland	Modified grassland	0.811423281	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required (c	1.87	0	0	0.00	0.00	0.81	1.87		G17, Commercial. Condition Criteria FFFFFFF Poor		
25	Grassland	Modified grassland	1.253086977	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required (c	2.88	0	0	0.00	0.00	1.25	2.88		G18, Commercial. Condition Criteria FFFFFFF Poor		
26	Grassland	Modified grassland	6.219453918	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required (c	14.30	0	0	0.00	0.00	6.22	14.30		G19, Commercial. Condition Criteria FFFFFFF Poor		
27	Grassland	Modified grassland	3.758810228	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required (c	8.65	0	0	0.00	0.00	3.76	8.65		G20, Commercial. Condition Criteria FFFFFFF Poor		
28	Grassland	Modified grassland	3.725663643	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required (c	8.57	0	0	0.00	0.00	3.73	8.57		G21, Commercial. Condition Criteria FFFFFFF Poor		
29	Grassland	Modified grassland	1.184387153	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required (c	2.72	0	0	0.00	0.00	1.18	2.72		G22, Commercial. Condition Criteria FFFFFFF Poor		
30	Grassland	Modified grassland	1.376909433	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required (c	3.17	0	0	0.00	0.00	1.38	3.17		G23, Commercial. Condition Criteria FFFFFFF Poor		
31	Grassland	Modified grassland	0.126343186	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required (c	0.29	0	0	0.00	0.00	0.13	0.29		G23, Residential. Condition Criteria FFFFFFF Poor		
32	Grassland	Modified grassland	0.061393794	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required (c	0.14	0	0	0.00	0.00	0.06	0.14		G24, Commercial. Condition Criteria FFFFFFF Poor		
33	Grassland	Modified grassland	1.868795687	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required (c	4.30	0	0	0.00	0.00	1.87	4.30		G25, Commercial. Condition Criteria FFFFFFF Poor		
34	Grassland	Modified grassland	0.63491033	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required (c	1.46	0	0	0.00	0.00	0.63	1.46		G26, Commercial. Condition Criteria FFFFFFF Poor		
35	Grassland	Modified grassland	1.091288117	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required (c	2.51	0	0	0.00	0.00	1.09	2.51		G26, Residential. Condition Criteria FFFFFFF Poor		
36	Grassland	Modified grassland	0.547791128	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required (c	1.26	0	0	0.00	0.00	0.55	1.26		G27, Residential. Condition Criteria FFFFFFF Poor		
37	Grassland	Modified grassland	0.666676927	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required (c	1.53	0	0	0.00	0.00	0.67	1.53		G28, Residential. Condition Criteria FFFFFFF Poor		
38	Grassland	Modified grassland	0.29040865	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required (c	0.67	0	0	0.00	0.00	0.29	0.67		G29, Residential. Condition Criteria FFFFFFF Poor		
39	Grassland	Modified grassland	1.110908029	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required (c	2.56	0	0	0.00	0.00	1.11	2.56		G30, Residential. Condition Criteria FFFFFFF Poor		
40	Grassland	Modified grassland	0.936281	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required (c	2.15	0	0	0.00	0.00	0.94	2.15		G31, Residential. Condition Criteria FFFFFFF Poor		
41	Heathland and shrub	Bramble scrub	0.004314395	Medium	4	Condition Assessment N/A	1	Formally identified in local strategy	High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required (b)	0.02	0.004314	0	0.02	0.00	0.00	0.00		SC1, Residential. LBAP		
42	Heathland and shrub	Bramble scrub	0.003223797	Medium	4	Condition Assessment N/A	1	Formally identified in local strategy	High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required (b)	0.01	0.003223	0	0.01	0.00	0.00	0.00		SC2, Residential. LBAP		
43	Heathland and shrub	Bramble scrub	0.000582902	Medium	4	Condition Assessment N/A	1	Formally identified in local strategy	High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required (b)	0.00	0.000583	0	0.00	0.00	0.00	0.00		SC3, Residential. LBAP		
44	Heathland and shrub	Gorse scrub	0.055191507	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required (b)	0.51	0	0	0.00	0.00	0.06	0.51		SC4, Residential. LBAP. Condition criteria = FFFFP Moderate		
45	Heathland and shrub	Mixed scrub	0.100902759	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required (b)	0.93	0	0	0.00	0.00	0.10	0.93		SC5, Commercial. LBAP. Condition criteria =FFFFP moderate		
46	Heathland and shrub	Mixed scrub	0.013511838	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required (b)	0.12	0	0	0.00	0.00	0.01	0.12		SC6, Residential. LBAP. Condition criteria = FFFFP Moderate		
47	Heathland and shrub	Mixed scrub	0.01598392	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required (b)	0.15	0.015884	0	0.15	0.00	0.00	0.00		SC7, Residential. LBAP. Condition criteria = FFFFP Moderate		
48	Heathland and shrub	Mixed scrub	0.022527824	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required (b)	0.22	0.022744	0	0.21	0.00	0.00	0.01		SC8, Residential. LBAP. Condition criteria = FFFFP Moderate		
49	Lakes	Ponds (priority habitat)	0.008256076	High	6	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same habitat required =	0.09	0.008256	0	0.09	0.00	0.00	0.00		P1, Residential. Condition criteria = FFFFFFF, PP Moderate		
50	Lakes	Ponds (priority habitat)	0.204355274	High	6	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same habitat required =	2.82	0	0	0.00	0.00	0.20	2.82		P2, Commercial. Condition criteria = FFFFFFF,PP Moderate		
51	Lakes	Ponds (priority habitat)	0.008766804	High	6	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same habitat required =	0.12	0	0	0.00	0.00	0.01	0.12		P3, Commercial. Condition criteria = FFFFFFF,FF Moderate		
52	Sparsely vegetated land	Tall forbs	1.547355093	Low	2	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same distinctiveness or better habitat required (c	6.81	0	0	0.00	0.00	1.55	6.81		S1, Commercial. Condition criteria = FFF Moderate		
53	Sparsely vegetated land	Tall forbs	0.151719943	Low	2	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same distinctiveness or better habitat required (c	0.67	0	0	0.00	0.00	0.15	0.67		S1, Residential. Condition criteria = FFF Moderate		
54	Sparsely vegetated land	Tall forbs	1.015115279	Low	2	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same distinctiveness or better habitat required (c	4.47	0	0	0.00	0.00	1.02	4.47		S2, Commercial. Condition criteria = FFF Good		
55	Sparsely vegetated land	Tall forbs	0.000042922	Low	2	Good	3	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same distinctiveness or better habitat required (c	0.00	0	0	0.00	0.00	0.00	0.00		S3, Commercial. Condition criteria = FFF Good		

56	Sparsely vegetated land	Tall forbs	0.150948399	Low	2	Good	3	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same distinctiveness or better habitat required: 2	1.00	0	0	0.00	0.00	0.15	1.00	B3, Residential. B3, Commercial. Condition criteria = PPP Good
57	Urban	Artificial unvegetated, unsealed surface	0.172342554	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	0	0.00	0.00	0.17	0.00	BG1, Residential.
58	Urban	Artificial unvegetated, unsealed surface	0.540693109	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	0	0.00	0.00	0.54	0.00	BG2, Commercial.
59	Urban	Developed land; sealed surface	0.043946214	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	0.025156	0	0.00	0.00	0.02	0.00	U1, Residential.
60	Urban	Developed land; sealed surface	0.18995756	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	0.0913	0	0.00	0.00	0.10	0.00	U2, Residential.
61	Urban	Developed land; sealed surface	0.023331439	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	0.003937	0	0.00	0.00	0.02	0.00	U3, Residential.
62	Urban	Developed land; sealed surface	0.021029957	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	0.017534	0	0.00	0.00	0.00	0.00	U4, Residential.
63	Urban	Developed land; sealed surface	0.015763329	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	0.010108	0	0.00	0.00	0.01	0.00	U5, Residential.
64	Urban	Developed land; sealed surface	0.805261502	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	0.445066	0	0.00	0.00	0.36	0.00	U6, Residential.
65	Woodland and forest	Lowland mixed deciduous woodland	0.173054985	High	6	Good	3	Formally identified in local strategy	High strategic significance	1.15	Same habitat required =	3.58	0.173055	0	3.58	0.00	0.00	0.00	W1, Residential. Ancient. s41 and LBAP. Condition criteria 3333233233122 32/39 Good
66	Woodland and forest	Lowland mixed deciduous woodland	1.266226438	High	6	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same habitat required =	17.47	1.250611	0	17.26	0.00	0.02	0.22	W2, Residential. Ancient. s41 and LBAP. Condition criteria 3233332332121 30/39 Moderate
67	Woodland and forest	Lowland mixed deciduous woodland	0.556449631	High	6	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same habitat required =	7.68	0.54663	0	7.54	0.00	0.01	0.14	W3, Residential. Ancient. s41 and LBAP. Condition criteria 3233332332121. 30/39 Moderate
68	Woodland and forest	Lowland mixed deciduous woodland	0.176183966	High	6	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same habitat required =	2.43	0.176184	0	2.43	0.00	0.00	0.00	W3, Commerical. Ancient. s41 and LBAP. Condition criteria 3233332332121. 30/39 Moderate
69	Woodland and forest	Lowland mixed deciduous woodland	0.02713951	High	6	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same habitat required =	0.19	0	0	0.00	0.00	0.03	0.19	W4, Residential. s41 and LBAP. Condition criteria 0233112132111 23/39 Poor
70	Individual trees	Rural tree	0.9939	Medium	4	Good	3	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same broad habitat or a higher distinctiveness habitat required (2)	13.12	0.9174	0	12.11	0.00	0.08	1.01	Residential. 13 large trees. Condition criteria PPPPPP Good
71	Individual trees	Rural tree	0.4587	Medium	4	Good	3	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same broad habitat or a higher distinctiveness habitat required (2)	6.05	0.4587	0	6.05	0.00	0.00	0.00	Commercial. 6 large trees. Condition criteria PPPPPP Good
72																			
73																			
74																			
75																			
76																			
		Total habitat area	116.25									438.71	4.17	0.00	49.46	0.00	112.08	389.25	
		Site Area (Excluding area of Individual trees and Green walls)	114.80																

Total area lost (excluding area of Individual trees and Green walls)	112.00

M² to hectares conversion tool:	Select a unit	Hectares	M²

Project Name: Barnsley West Combined Map Reference:

A-2 On-Site Habitat Creation

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

Area habitat summary	
Total Net Unit Change	123.59
Total Net % Change	28.17%
Trading Rules Satisfied	No - check trading summaries ▲
Area Check (excluding individual trees and green walls)	Error - Area created does not equal area lost ▲

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

			Distinctiveness		Condition		Strategic significance			Post development/ post intervention habitats											Comments		
										Temporal multiplier					Difficulty multipliers								
Broad Habitat	Proposed habitat	Area (hectares)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic position 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	Habitat units delivered	User comments	Consenting body comments	GIS reference number
Grassland	Other neutral grassland	0.61237598	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	3	Check details- Delay in s arting habitat in required condition? ⚠	8	0.752	Low	Standard difficulty applied	Low	1	4.24	G33_C1_LBAP Condition critera FFFFFFFF Moderate		
Grassland	Other neutral grassland	0.000280678	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	3	Check details- Delay in s arting habitat in required condition? ⚠	8	0.752	Low	Standard difficulty applied	Low	1	0.00	G34_C1_LBAP Condition critera FFFFFFFF Moderate		
Grassland	Modified grassland	0.367291527	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	1	0	3	Check details- Delay in s arting habitat in required condition? ⚠	4	0.867	Low	Standard difficulty applied	Low	1	0.73	G37_C1_LBAP Condition critera FFFFFFF Poor		
Urban	Bioswale	0.000154434	Low	2	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	1	0	3	Check details- Delay in s arting habitat in required condition? ⚠	4	0.867	Medium	Standard difficulty applied	Medium	0.67	0.00	SW1_C1_Condition critera FFFFF moderate		
Urban	Developed land; sealed surface	2.832793994	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	3	Standard time o target condition applied	3	0.899	Low	Standard difficulty applied	Medium	0.67	0.00	U10_C1		
Urban	Developed land; sealed surface	0.028859177	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	3	Standard time o target condition applied	3	0.899	Low	Standard difficulty applied	Medium	0.67	0.00	U11_C1		
Urban	Developed land; sealed surface	0.0372097	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	3	Standard time o target condition applied	3	0.899	Low	Standard difficulty applied	Medium	0.67	0.00	U12_C1		
Urban	Developed land; sealed surface	0.408355133	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	3	Standard time o target condition applied	3	0.899	Low	Standard difficulty applied	Medium	0.67	0.00	U14_C1		
Urban	Vegetated garden	0.003897281	Low	2	Condition Assessment 10A	1	Formally identified in local strategy	High strategic significance	1.15	1	0	3	Check details- Delay in s arting habitat in required condition? ⚠	4	0.867	Low	Standard difficulty applied	Low	1	0.01	U7_C1_LBAP		
Grassland	Traditional orchards	0.035477869	High	6	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	20	0	3	Check details- Delay in s arting habitat in required condition? ⚠	23	0.441	Low	Standard difficulty applied	Low	1	0.22	G32_E_S41 and LBAP_Condition critera FFFFFFF Moderate		
Grassland	Other neutral grassland	0.002904819	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	3	Check details- Delay in s arting habitat in required condition? ⚠	8	0.752	Low	Standard difficulty applied	Low	1	0.02	G33_E_LBAP_Condition critera FFFFFFFF Moderate		
Grassland	Other neutral grassland	4.226159274	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	3	Check details- Delay in s arting habitat in required condition? ⚠	8	0.752	Low	Standard difficulty applied	Low	1	29.24	G33_E_LBAP_Condition critera FFFFFFFF Moderate		
Grassland	Other neutral grassland	0.628152226	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	3	Check details- Delay in s arting habitat in required condition? ⚠	8	0.752	Low	Standard difficulty applied	Low	1	4.35	G34_E_LBAP_Condition critera FFFFFFFF Moderate		
Grassland	Other neutral grassland	0.038692004	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	3	Check details- Delay in s arting habitat in required condition? ⚠	8	0.752	Low	Standard difficulty applied	Low	1	0.27	G36_E_LBAP_Condition critera FFFFFFFF Moderate		
Heathland and shrub	Gorse scrub	0.623729857	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	3	Check details- Delay in s arting habitat in required condition? ⚠	8	0.752	Low	Standard difficulty applied	Low	1	4.32	SC8_E_LBAP_Condition critera FFFFF Moderate		
Heathland and shrub	Mixed scrub	0.43604527	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	3	Check details- Delay in s arting habitat in required condition? ⚠	8	0.752	Low	Standard difficulty applied	Low	1	3.02	SC10_E_LBAP_Condition critera FFFFF Moderate		
Urban	Sustainable drainage system	1.859143067	Low	2	Good	3	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	5	0	3	Check details- Delay in s arting habitat in required condition? ⚠	8	0.752	Medium	Standard difficulty applied	Medium	0.67	6.51	SUD1_E_Condition critera FFFFF Good		
Urban	Developed land; sealed surface	0.002867721	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	3	Standard time o target condition applied	3	0.899	Low	Standard difficulty applied	Medium	0.67	0.00	U10_E		
Urban	Developed land; sealed surface	0.006017841	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	3	Standard time o target condition applied	3	0.899	Low	Standard difficulty applied	Medium	0.67	0.00	U11_E		
Urban	Developed land; sealed surface	0.003194449	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	3	Standard time o target condition applied	3	0.899	Low	Standard difficulty applied	Medium	0.67	0.00	U12_E		
Urban	Developed land; sealed surface	0.679900804	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	3	Standard time o target condition applied	3	0.899	Low	Standard difficulty applied	Medium	0.67	0.00	U13_E		
Urban	Developed land; sealed surface	14.4850846	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	3	Standard time o target condition applied	3	0.899	Low	Standard difficulty applied	Medium	0.67	0.00	U14_E		
Urban	Developed land; sealed surface	1.656231789	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	3	Standard time o target condition applied	3	0.899	Low	Standard difficulty applied	Medium	0.67	0.00	U15_E		
Urban	Developed land; sealed surface	1.292193131	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	3	Standard time o target condition applied	3	0.899	Low	Standard difficulty applied	Medium	0.67	0.00	U16_E		
Urban	Developed land; sealed surface	0.963442587	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	3	Standard time o target condition applied	3	0.899	Low	Standard difficulty applied	Medium	0.67	0.00	U17_E		
Urban	Developed land; sealed surface	4.739306763	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	3	Standard time o target condition applied	3	0.899	Low	Standard difficulty applied	Medium	0.67	0.00	U18_E		
Urban	Developed land; sealed surface	1.301156466	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	3	Standard time o target condition applied	3	0.899	Low	Standard difficulty applied	Medium	0.67	0.00	U19_E		
Urban	Developed land; sealed surface	0.295802641	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	3	Standard time o target condition applied	3	0.899	Low	Standard difficulty applied	Medium	0.67	0.00	U20_E		
Urban	Developed land; sealed surface	0.61746664	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	3	Standard time o target condition applied	3	0.899	Low	Standard difficulty applied	Medium	0.67	0.00	U21_E		
Woodland and forest	Other woodland; mixed	5.140413125	Medium	4	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	30	0	3	Check details- Delay in s arting habitat in required condition? ⚠	30+	0.320	Low	Standard difficulty applied	Low	1	14.47	W6_E_Condition criteria 1333331311112 05/29 Moderate		
Grassland	Traditional orchards	0.223622442	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	6	Check details- Delay in s arting habitat in required condition? ⚠	11	0.676	Low	Standard difficulty applied	Low	1	1.39	G32_P1_LBAP_Condition critera FFFFFF Moderate		
Grassland	Modified grassland	0.234535932	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	1	0	6	Check details- Delay in s arting habitat in required condition? ⚠	7	0.779	Low	Standard difficulty applied	Low	1	0.42	G37_P1_LBAP_Condition critera FFFFFFF Poor		
Urban	Developed land; sealed surface	1.732943845	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	6	Standard time o target condition applied	6	0.808	Low	Standard difficulty applied	Medium	0.67	0.00	U10_P1		
Urban	Developed land; sealed surface	0.012176901	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	6	Standard time o target condition applied	6	0.808	Low	Standard difficulty applied	Medium	0.67	0.00	U11_P1		
Urban	Developed land; sealed surface	0.107613109	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	6	Standard time o target condition applied	6	0.808	Low	Standard difficulty applied	Medium	0.67	0.00	U12_P1		
Urban	Developed land; sealed surface	1.321355827	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	6	Standard time o target condition applied	6	0.808	Low	Standard difficulty applied	Medium	0.67	0.00	U14_P1		
Urban	Vegetated garden	5.029511461	Low	2	Condition Assessment 10A	1	Formally identified in local strategy	High strategic significance	1.15	1	0	6	Check details- Delay in s arting habitat in required condition? ⚠	7	0.779	Low	Standard difficulty applied	Low	1	9.01	U7_P1_LBAP		
Grassland	Traditional orchards	0.023865941	High	6	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	20	0	6	Check details- Delay in s arting habitat in required condition? ⚠	26	0.396	Low	Standard difficulty applied	Low	1	0.13	G32_P2_S41 and LBAP_Condition critera FFFFFFF Moderate		
Grassland	Other neutral grassland	1.547609543	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	6	Check details- Delay in s arting habitat in required condition? ⚠	11	0.676	Low	Standard difficulty applied	Low	1	9.62	G33_P2_LBAP_Condition critera FFFFFF Moderate		
Grassland	Other neutral grassland	0.000000015	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	6	Check details- Delay in s arting habitat in required condition? ⚠	11	0.676	Low	Standard difficulty applied	Low	1	0.00	G33_P2_LBAP_Condition critera FFFFFF Moderate		
Grassland	Other neutral grassland	0.000000305	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	6	Check details- Delay in s arting habitat in required condition? ⚠	11	0.676	Low	Standard difficulty applied	Low	1	0.00	G33_P2 LBAP_Condition critera FFFFFF Moderate		
Grassland	Other neutral grassland	0.07034082	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	6	Check details- Delay in s arting habitat in required condition? ⚠	11	0.676	Low	Standard difficulty applied	Low	1	0.44	G34_P2_LBAP_Condition critera FFFFFF Moderate		
Grassland	Modified grassland	0.049803716	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	1	0	6	Check details- Delay in s arting habitat in required condition? ⚠	7	0.779	Low	Standard difficulty applied	Low	1	0.09	G37_P2_LBAP_Condition critera FFFFFFF Poor		
Urban	Sustainable drainage system	0.097332151	Low	2	Good	3	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	5	0	6	Check details- Delay in s arting habitat in required condition? ⚠	11	0.676	Medium	Standard difficulty applied	Medium	0.67	0.29	SUD1_P2_Condition critera FFFFF Good		
Urban	Developed land; sealed surface	1.904972284	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	6	Standard time o target condition applied	6	0.808	Low	Standard difficulty applied	Medium	0.67	0.00	U10_P2		
Urban	Developed land; sealed surface	0.015103421	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	6	Standard time o target condition applied	6	0.808	Low	Standard difficulty applied	Medium	0.67	0.00	U11_P2		
Urban	Developed land; sealed surface	0.335462475	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	6	Standard time o target condition applied	6	0.808	Low	Standard difficulty applied	Medium	0.67	0.00	U12_P2		
Urban	Developed land; sealed surface	1.474249855	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	6	Standard time o target condition applied	6	0.808	Low	Standard difficulty applied	Medium	0.67	0.00	U14_P2		
Urban	Vegetated garden	3.487585876	Low	2	Condition Assessment 10A	1	Formally identified in local strategy	High strategic significance	1.15	1	0	6	Check details- Delay in s arting habitat in required condition? ⚠	7	0.779	Low	Standard difficulty applied	Low	1	6.25	U7_P2		
Urban	Introduced shrub	0.014574232	Low	2	Condition Assessment 10A	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	1	0	6	Check details- Delay in s arting habitat in required condition? ⚠	7	0.779	Low	Standard difficulty applied	Low	1	0.02	U9_P2		
Grassland	Other neutral grassland	0.123422632	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	8	Check details- Delay in s arting habitat in required condition? ⚠	13	0.629	Low	Standard difficulty applied	Low	1	0.71	G33_P3_LBAP_Condition critera FFFFFFFF Moderate		
Grassland	Modified grassland	0.023679093	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	1	0	8	Check details- Delay in s arting habitat in required condition? ⚠	9	0.726	Low	Standard difficulty applied	Low	1	0.04	G37_P3_LBAP_Condition critera FFFFFFF Poor		
Urban	Bioswale	0.045222869	Low	2	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	1	0	8	Check details- Delay in s arting habitat in required condition? ⚠	9	0.726	Medium	Standard difficulty applied	Medium	0.67	0.10	SW1_P3_LBAP_Condition critera FFFFFF Poor		
Urban	Developed land; sealed surface	0.849724106	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	8	Standard time o target condition applied	8	0.752	Low	Standard difficulty applied	Medium	0.67	0.00	U10_P3		
Urban	Developed land; sealed surface	0.015973572	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	8	Standard time o target condition applied	8	0.752	Low	Standard difficulty applied	Medium	0.67	0.00	U11_P3		
Urban	Developed land; sealed surface	0.09298777	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	8	Standard time o target condition applied	8	0.752	Low	Standard difficulty applied	Medium	0.67	0.00	U12_P3		
Urban	Developed land; sealed surface	0.664999775	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	8	Standard time o target condition applied	8	0.752	Low	Standard difficulty applied	Medium	0.67	0.00	U14_P3		
Urban	Vegetated garden	1.649787592	Low	2	Condition Assessment 10A	1	Formally identified in local strategy	High strategic significance	1.15	1	0	8	Check details- Delay in s arting habitat in required condition? ⚠	9	0.726	Low	Standard difficulty applied	Low	1	2.75	U7_P3		
Urban	Introduced shrub	0.002825468	Low	2	Condition Assessment 10A	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	1	0	8	Check details- Delay in s arting habitat in required condition? ⚠	9	0.726	Low	Standard difficulty applied	Low	1	0.00	U9_P3		
Grassland	Other neutral grassland	0.226315885	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	10	Check details- Delay in s arting habitat in required condition? ⚠	15	0.596	Low	Standard difficulty applied	Low	1	1.22	G33_P4_LBAP_Condition critera FFFFFFFF Moderate		
Grassland	Modified grassland	0.026668786	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	1	0	10	Check details- Delay in s arting habitat in required condition? ⚠	11	0.676	Low	Standard difficulty applied	Low	1	0.04	G37_P4_LBAP_Condition critera FFFFFFF Poor		
Urban	Developed land; sealed surface	1.011145747	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	10	Standard time o target condition applied	10	0.700	Low	Standard difficulty applied	Medium	0.67	0.00	U10_P4		
Urban	Developed land; sealed surface	2.86286E-06	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	10	Standard time o target condition applied	10	0.700	Low	Standard difficulty applied	Medium	0.67	0.00	U10_P4		
Urban	Developed land; sealed surface	0.026835191	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	10	Standard time o target condition applied	10	0.700	Low	Standard difficulty applied	Medium	0.67	0.00	U11_P4		
Urban	Developed land; sealed surface	0.075839224	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	10	Standard time o target condition applied	10	0.700	Low	Standard difficulty applied	Medium	0.67	0.00	U12_P4		
Urban	Developed land; sealed surface	1.147403303	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	10	Standard time o target condition applied	10	0.700	Low	Standard difficulty applied	Medium	0.67	0.00	U14_P4		
Urban	Vegetated garden	2.756300749	Low	2	Condition Assessment 10A	1	Formally identified in local strategy	High strategic significance	1.15	1	0	10	Check details- Delay in s arting habitat in required condition? ⚠	11	0.676	Low	Standard difficulty applied	Low	1	4.28	U7_P4		
Urban	Introduced shrub	0.008486294	Low	2	Condition Assessment 10A	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	1	0	10	Check details- Delay in s arting habitat in required condition? ⚠	11	0.676	Low	Standard difficulty applied	Low	1	0.01	U9_P4		
Grassland	Other neutral grassland	0.309485013	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	6	Check details- Delay in s arting habitat in required condition? ⚠	11	0.676	Low	Standard difficulty applied	Low	1	1.92	G33_P5_LBAP_Condition critera FFFFFFFF Moderate		
Grassland	Other neutral grassland	0.005545518	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	6	Check details- Delay in s arting habitat in required condition? ⚠	11	0.676	Low	Standard difficulty applied	Low	1	0.03	G34_P5_LBAP_Condition critera FFFFFFFF Moderate		
Grassland	Other neutral grassland	0.000000509	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	6	Check details- Delay in s arting habitat in required condition? ⚠	11	0.676	Low	Standard difficulty applied	Low	1	0.00	G35_P5_LBAP_Condition critera FFFFFFFF Moderate		
Grassland	Other neutral grassland	0.000091107	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	6	Check details- Delay in s arting habitat in required condition? ⚠	11	0.676	Low	Standard difficulty applied	Low	1	0.00	G36_P5_LBAP_Condition critera FFFFFFFF Moderate		

Grassland	Modified grassland	0.172321654	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	1	0	6	Check details- Delay in s arting habitat in required condition? ⚠	7	0.779	Low	Standard difficulty applied	Low	1	0.21	G37, P5. LBAP Condition critera PPPPPPP Poor		
Urban	Biowale	0.020787959	Low	2	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	1	0	6	Check details- Delay in s arting habitat in required condition? ⚠	7	0.779	Medium	Standard difficulty applied	Medium	0.67	0.05	BW1. P5		
Urban	Developed land; sealed surface	0.771572499	V Low	0	N/A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	6	Standard time o target condition applied	6	0.808	Low	Standard difficulty applied	Medium	0.67	0.00	U10. P5		
Urban	Developed land; sealed surface	0.120376559	V Low	0	N/A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	6	Standard time o target condition applied	6	0.808	Low	Standard difficulty applied	Medium	0.67	0.00	U12. P5		
Urban	Developed land; sealed surface	0.597999069	V Low	0	N/A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	6	Standard time o target condition applied	6	0.808	Low	Standard difficulty applied	Medium	0.67	0.00	U14. P5		
Urban	Vegetated garden	1.746071636	Low	2	Condition Assessment N/A	1	Formally identified in local strategy	High strategic significance	1.15	1	0	6	Check details- Delay in s arting habitat in required condition? ⚠	7	0.779	Low	Standard difficulty applied	Low	1	3.13	U7. P5		
Urban	Allotments	0.093640833	Low	2	Good	3	Formally identified in local strategy	High strategic significance	1.15	1	0	6	Check details- Delay in s arting habitat in required condition? ⚠	7	0.779	Low	Standard difficulty applied	Low	1	0.45	U8. P5		
Urban	Introduced shrub	0.012196381	Low	2	Condition Assessment N/A	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	1	0	6	Check details- Delay in s arting habitat in required condition? ⚠	7	0.779	Low	Standard difficulty applied	Low	1	0.02	U9. P5		
Woodland and forest	Other woodland; mixed	0.433007511	Medium	4	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	30	0	6	Check details- Delay in s arting habitat in required condition? ⚠	30+	0.320	Low	Standard difficulty applied	Low	1	1.22	W9. P5 Condition criteria 1333331311112 P5/29 Moderate		
Grassland	Other neutral grassland	1.275776679	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	12	Check details- Delay in s arting habitat in required condition? ⚠	17	0.546	Low	Standard difficulty applied	Low	1	6.41	G33. P6. LBAP Condition critera PPPPPPP Moderate		
Grassland	Other neutral grassland	0.03934177	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	12	Check details- Delay in s arting habitat in required condition? ⚠	17	0.546	Low	Standard difficulty applied	Low	1	0.20	G33. P6. LBAP Condition critera PPPPPPP Moderate		
Grassland	Other neutral grassland	0.000006189	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	12	Check details- Delay in s arting habitat in required condition? ⚠	17	0.546	Low	Standard difficulty applied	Low	1	0.00	G33. P6. LBAP Condition critera PPPPPPP Moderate		
Grassland	Other neutral grassland	0.186710407	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	12	Check details- Delay in s arting habitat in required condition? ⚠	17	0.546	Low	Standard difficulty applied	Low	1	0.95	G34. P6. LBAP Condition critera PPPPPPP Moderate		
Grassland	Other neutral grassland	0.014856462	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	12	Check details- Delay in s arting habitat in required condition? ⚠	17	0.546	Low	Standard difficulty applied	Low	1	0.07	G35. P6. LBAP Condition critera PPPPPPP Moderate		
Grassland	Modified grassland	0.858171728	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	1	0	12	Check details- Delay in s arting habitat in required condition? ⚠	13	0.629	Low	Standard difficulty applied	Low	1	1.24	G37. P6. LBAP Condition critera PPPPPPP Poor		
Grassland	Modified grassland	0.001169248	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	1	0	12	Check details- Delay in s arting habitat in required condition? ⚠	13	0.629	Low	Standard difficulty applied	Low	1	0.00	G37. P6. LBAP Condition critera PPPPPPP Poor		
Heathland and shrub	Mixed scrub	0.238088649	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	12	Check details- Delay in s arting habitat in required condition? ⚠	17	0.546	Low	Standard difficulty applied	Low	1	1.20	SC10. P6. LBAP Condition critera PPPPP Moderate		
Heathland and shrub	Mixed scrub	0.000045903	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	12	Check details- Delay in s arting habitat in required condition? ⚠	17	0.546	Low	Standard difficulty applied	Low	1	0.00	SC10. P6. LBAP Condition critera PPPPP Moderate		
Urban	Biowale	0.221001208	Low	2	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	1	0	12	Check details- Delay in s arting habitat in required condition? ⚠	13	0.629	Medium	Standard difficulty applied	Medium	0.67	0.41	BW1. P6. Condition critera PPPPP moderate		
Urban	Developed land; sealed surface	2.643000289	V Low	0	N/A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	12	Standard time o target condition applied	12	0.652	Low	Standard difficulty applied	Medium	0.67	0.00	U10. P6		
Urban	Developed land; sealed surface	5.859E-06	V Low	0	N/A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	12	Standard time o target condition applied	12	0.652	Low	Standard difficulty applied	Medium	0.67	0.00	U10. P6		
Urban	Developed land; sealed surface	0.243853896	V Low	0	N/A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	12	Standard time o target condition applied	12	0.652	Low	Standard difficulty applied	Medium	0.67	0.00	U11. P6		
Urban	Developed land; sealed surface	0.4289012	V Low	0	N/A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	12	Standard time o target condition applied	12	0.652	Low	Standard difficulty applied	Medium	0.67	0.00	U12. P6		
Urban	Developed land; sealed surface	0.02551912	V Low	0	N/A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	12	Standard time o target condition applied	12	0.652	Low	Standard difficulty applied	Medium	0.67	0.00	U12. P6		
Urban	Developed land; sealed surface	0.00000007	V Low	0	N/A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	12	Standard time o target condition applied	12	0.652	Low	Standard difficulty applied	Medium	0.67	0.00	U13. P6		
Urban	Developed land; sealed surface	1.998432171	V Low	0	N/A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	12	Standard time o target condition applied	12	0.652	Low	Standard difficulty applied	Medium	0.67	0.00	U14. P6		
Urban	Vegetated garden	4.808365271	Low	2	Condition Assessment N/A	1	Formally identified in local strategy	High strategic significance	1.15	1	0	12	Check details- Delay in s arting habitat in required condition? ⚠	13	0.629	Low	Standard difficulty applied	Low	1	6.96	U7. P6		
Urban	Introduced shrub	0.069857175	Low	2	Condition Assessment N/A	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	1	0	12	Check details- Delay in s arting habitat in required condition? ⚠	13	0.629	Low	Standard difficulty applied	Low	1	0.10	U9. P6		
Woodland and forest	Other woodland; mixed	0.105312344	Medium	4	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	30	0	12	Check details- Delay in s arting habitat in required condition? ⚠	30+	0.320	Low	Standard difficulty applied	Low	1	0.30	W9. P6 Condition criteria 1333331311112 P6/29 Moderate		
Grassland	Other neutral grassland	0.613104505	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	5	Check details- Delay in s arting habitat in required condition? ⚠	10	0.700	Low	Standard difficulty applied	Low	1	3.95	G33. P7. LBAP Condition critera PPPPPPP Moderate		
Grassland	Other neutral grassland	0.004137397	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	5	Check details- Delay in s arting habitat in required condition? ⚠	10	0.700	Low	Standard difficulty applied	Low	1	0.03	G33. P7. LBAP Condition critera PPPPPPP Moderate		
Grassland	Other neutral grassland	0.177951694	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	5	Check details- Delay in s arting habitat in required condition? ⚠	10	0.700	Low	Standard difficulty applied	Low	1	1.15	G34. P7. LBAP Condition critera PPPPPPP Moderate		
Grassland	Modified grassland	0.000014337	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	1	0	5	Check details- Delay in s arting habitat in required condition? ⚠	6	0.808	Low	Standard difficulty applied	Low	1	0.00	G37. P7. LBAP Condition critera PPPPPPP Poor		
Heathland and shrub	Mixed scrub	0.023244151	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	5	Check details- Delay in s arting habitat in required condition? ⚠	10	0.700	Low	Standard difficulty applied	Low	1	0.15	SC10. P7. LBAP Condition critera PPPPP Moderate		
Urban	Biowale	0.134084623	Low	2	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	1	0	5	Check details- Delay in s arting habitat in required condition? ⚠	6	0.808	Medium	Standard difficulty applied	Medium	0.67	0.32	BW1. P7. Condition critera PPPPP moderate		
Urban	Developed land; sealed surface	1.152737599	V Low	0	N/A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	5	Standard time o target condition applied	5	0.837	Low	Standard difficulty applied	Medium	0.67	0.00	U10. P7		
Urban	Developed land; sealed surface	0.000000284	V Low	0	N/A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	5	Standard time o target condition applied	5	0.837	Low	Standard difficulty applied	Medium	0.67	0.00	U10. P7		
Urban	Developed land; sealed surface	0.046670753	V Low	0	N/A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	5	Standard time o target condition applied	5	0.837	Low	Standard difficulty applied	Medium	0.67	0.00	U11. P7		
Urban	Developed land; sealed surface	0.100313497	V Low	0	N/A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	5	Standard time o target condition applied	5	0.837	Low	Standard difficulty applied	Medium	0.67	0.00	U12. P7		
Urban	Developed land; sealed surface	0.02716996	V Low	0	N/A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	5	Standard time o target condition applied	5	0.837	Low	Standard difficulty applied	Medium	0.67	0.00	U12. P7		
Urban	Developed land; sealed surface	0.907265605	V Low	0	N/A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	5	Standard time o target condition applied	5	0.837	Low	Standard difficulty applied	Medium	0.67	0.00	U14. P7		
Urban	Vegetated garden	2.735001629	Low	2	Condition Assessment N/A	1	Formally identified in local strategy	High strategic significance	1.15	1	0	5	Check details- Delay in s arting habitat in required condition? ⚠	6	0.808	Low	Standard difficulty applied	Low	1	5.08	U7. P7		
Urban	Introduced shrub	0.065890354	Low	2	Condition Assessment N/A	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	1	0	5	Check details- Delay in s arting habitat in required condition? ⚠	6	0.808	Low	Standard difficulty applied	Low	1	0.12	U9. P7		
Woodland and forest	Other woodland; mixed	0.216198517	Medium	4	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	30	0	5	Check details- Delay in s arting habitat in required condition? ⚠	30+	0.320	Low	Standard difficulty applied	Low	1	0.61	W9. P7		
Grassland	Traditional orchards	0.015396347	High	6	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	20	0	1	Check details- Delay in s arting habitat in required condition? ⚠	21	0.473	Low	Standard difficulty applied	Low	1	0.10	G32. S11. S41 and LBAP Condition critera PPPPPPP Moderate		
Grassland	Other neutral grassland	1.802104852	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	1	Check details- Delay in s arting habitat in required condition? ⚠	6	0.808	Low	Standard difficulty applied	Low	1	14.27	G33. S11. LBAP Condition critera PPPPPPP Moderate		
Grassland	Other neutral grassland	0.000000015	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	1	Check details- Delay in s arting habitat in required condition? ⚠	6	0.808	Low	Standard difficulty applied	Low	1	0.00	G33. S11. LBAP Condition critera PPPPPPP Moderate		
Grassland	Other neutral grassland	0.203553469	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	1	Check details- Delay in s arting habitat in required condition? ⚠	6	0.808	Low	Standard difficulty applied	Low	1	1.61	G34. S11. LBAP Condition critera PPPPPPP Moderate		
Grassland	Modified grassland	1.045571109	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	1	0	1	Check details- Delay in s arting habitat in required condition? ⚠	2	0.931	Low	Standard difficulty applied	Low	1	2.24	G37. S11. LBAP Condition critera PPPPPPP Poor		
Urban	Sustainable drainage system	0.282308736	Low	2	Good	3	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	5	0	1	Check details- Delay in s arting habitat in required condition? ⚠	6	0.808	Medium	Standard difficulty applied	Medium	0.67	1.01	SUD1. S11. Condition critera PPPPP Good		
Urban	Developed land; sealed surface	1.201730306	V Low	0	N/A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	1	Standard time o target condition applied	1	0.965	Low	Standard difficulty applied	Medium	0.67	0.00	U10. S11		
Urban	Developed land; sealed surface	0.010295982	V Low	0	N/A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	1	Standard time o target condition applied	1	0.965	Low	Standard difficulty applied	Medium	0.67	0.00	U11. S11		
Urban	Developed land; sealed surface	0.823000059	V Low	0	N/A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	1	Standard time o target condition applied	1	0.965	Low	Standard difficulty applied	Medium	0.67	0.00	U12. S11		
Urban	Developed land; sealed surface	0.001762425	V Low	0	N/A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	1	Standard time o target condition applied	1	0.965	Low	Standard difficulty applied	Medium	0.67	0.00	U14. S11		
Urban	Vegetated garden	0.022333262	Low	2	Condition Assessment N/A	1	Formally identified in local strategy	High strategic significance	1.15	1	0	1	Check details- Delay in s arting habitat in required condition? ⚠	2	0.931	Low	Standard difficulty applied	Low	1	0.05	U7. S11		
Woodland and forest	Other woodland; mixed	0.051989647	Medium	4	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	30	0	1	Check details- Delay in s arting habitat in required condition? ⚠	30+	0.320	Low	Standard difficulty applied	Low	1	0.15	W9. S11. Condition cri eria 1333331311112 P6/29 Moderate		
Grassland	Other neutral grassland	0.683851509	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	2	Check details- Delay in s arting habitat in required condition? ⚠	7	0.779	Low	Standard difficulty applied	Low	1	4.90	G33. S12. LBAP Condition critera PPPPPPP Moderate		
Grassland	Other neutral grassland	0.030955065	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	2	Check details- Delay in s arting habitat in required condition? ⚠	7	0.779	Low	Standard difficulty applied	Low	1	0.22	G33. S12. LBAP Condition critera PPPPPPP Moderate		
Grassland	Other neutral grassland	0.274085302	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	2	Check details- Delay in s arting habitat in required condition? ⚠	7	0.779	Low	Standard difficulty applied	Low	1	1.97	G34. S12. LBAP Condition critera PPPPPPP Moderate		
Grassland	Other neutral grassland	0.000000071	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	2	Check details- Delay in s arting habitat in required condition? ⚠	7	0.779	Low	Standard difficulty applied	Low	1	0.00	G36. S12. LBAP Condition critera PPPPPPP Moderate		
Grassland	Other neutral grassland	0.000000791	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	2	Check details- Delay in s arting habitat in required condition? ⚠	7	0.779	Low	Standard difficulty applied	Low	1	0.00	G36. S12. LBAP Condition critera PPPPPPP Moderate		
Grassland	Modified grassland	0.477868264	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	1	0	2	Check details- Delay in s arting habitat in required condition? ⚠	3	0.899	Low	Standard difficulty applied	Low	1	0.89	G37. S12. LBAP Condition critera PPPPPPP Poor		
Urban	Sustainable drainage system	0.043868386	Low	2	Good	3	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	5	0	2	Check details- Delay in s arting habitat in required condition? ⚠	7	0.779	Medium	Standard difficulty applied	Medium	0.67	0.15	SUD1. S12. Condition critera PPPPP Good		
Urban	Biowale	0.048992756	Low	2	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	1	0	2	Check details- Delay in s arting habitat in required condition? ⚠	3	0.899	Medium	Standard difficulty applied	Medium	0.67	0.12	BW1. S12. Condition critera PPPPP moderate		
Urban	Developed land; sealed surface	0.792489674	V Low	0	N/A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	2	Standard time o target condition applied	2	0.931	Low	Standard difficulty applied	Medium	0.67	0.00	U10. S12		
Urban	Developed land; sealed surface	0.061165471	V Low	0	N/A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	2	Standard time o target condition applied	2	0.931	Low	Standard difficulty applied	Medium	0.67	0.00	U10. S12		
Urban	Developed land; sealed surface	0.24141963	V Low	0	N/A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	2	Standard time o target condition applied	2	0.931	Low	Standard difficulty applied	Medium	0.67	0.00	U12. S12		
Urban	Developed land; sealed surface	0.010674856	V Low	0	N/A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	2	Standard time o target condition applied	2	0.931	Low	Standard difficulty applied	Medium	0.67	0.00	U12. S12		
Urban	Vegetated garden	0.00079378	Low	2	Condition Assessment N/A	1	Formally identified in local strategy	High strategic significance	1.15	1	0	2	Check details- Delay in s arting habitat in required condition? ⚠	3	0.899	Low	Standard difficulty applied	Low	1	0.00	U7. S12		
Woodland and forest	Other woodland; mixed	0.006139525	Medium	4	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	30	0	2	Check details- Delay in s arting habitat in required condition? ⚠	30+	0.320	Low	Standard difficulty applied	Low	1	0.02	W9. S12. Condition cri eria 1333331311112 P6/29 Moderate		
Woodland and forest	Other woodland; mixed	0.004401312	Medium	4	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	30	0	2	Check details- Delay in s arting habitat in required condition? ⚠	30+	0.320	Low	Standard difficulty applied	Low	1	0.01	W9. S12. Condition cri eria 1333331311112 P6/29 Moderate		
Grassland	Traditional orchards	0.018544861	High	6	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	20	0	2	Check details- Delay in s arting habitat in required condition? ⚠	22	0.457	Low	Standard difficulty applied	Low	1	0.12	G32. S12. S41 and LBAP Condition critera PPPPPPP Moderate		
Grassland	Other neutral grassland	2.469855231	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	2	Check details- Delay in s arting habitat in required condition? ⚠	7	0.779	Low	Standard difficulty applied	Low	1	17.71	G33. S12. LBAP Condition critera PPPPPPP Moderate		
Grassland	Other neutral grassland	0.000000305	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	2	Check details- Delay in s arting habitat in required condition? ⚠	7	0.779	Low	Standard difficulty applied	Low	1	0.00	G33. S12. LBAP Condition critera PPPPPPP Moderate		
Grassland	Other neutral grassland	0.186590481	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	2	Check details- Delay in s arting habitat in required condition? ⚠	7	0.779	Low	Standard difficulty applied	Low	1	1.34	G34. S12. LBAP Condition critera PPPPPPP Moderate		
Grassland	Modified grassland	0.00118336	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	1	0	2	Check details- Delay in s arting habitat in required condition? ⚠	3	0.899	Low	Standard difficulty applied	Low	1	0.00	G37. S12. LBAP Condition critera PPPPPPP Poor		
Urban	Sustainable drainage system	0.465568241	Low	2	Good	3	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	5	0	2	Check details- Delay in s arting habitat in required condition? ⚠	7	0.779	Medium	Standard difficulty applied	Medium	0.67	1.61	SUD1. S12. Condition critera PPPPP Good		
Urban	Biowale	0.124892735	Low	2	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	1	0	2	Check details- Delay in s arting habitat in required condition? ⚠	3	0.899	Medium	Standard difficulty applied	Medium	0.67	0.36	BW1. S12. Condition critera PPPPP moderate		
Urban	Developed land; sealed surface	0.0765895	V Low	0	N/A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	2	Standard time o target condition applied	2	0.931	Low	Standard difficulty applied	Medium	0.67	0.00	U10. S12		
Urban	Developed land; sealed surface	0.172189215	V Low	0	N/A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	2	Standard time o target condition applied	2	0.931	Low	Standard difficulty applied	Medium	0.67	0.00	U11. S12		
Urban	Developed land; sealed surface	0.898206513	V Low	0	N/A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	2	Standard time o target condition applied	2	0.931	Low	Standard difficulty applied	Medium	0.67	0.00	U12. S12		

Urban	Developed land; sealed surface	0.006847453	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	2	Standard time o target condition applied	2	0.931	Low	Standard difficulty applied	Medium	0.67	0.00	U14, SI3		
Urban	Vegetated garden	0.010443527	Low	2	Condition Assessment N/A	1	Formally identified in local strategy	High strategic significance	1.15	1	0	2	Check details- Delay in s arting habitat in required condition? /h	3	0.899	Low	Standard difficulty applied	Low	1	0.02	U7, SI3		
Urban	Introduced shrub	0.005439678	Low	2	Condition Assessment N/A	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	1	0	2	Check details- Delay in s arting habitat in required condition? /h	3	0.899	Low	Standard difficulty applied	Low	1	0.11	U9, SI3		
Woodland and forest	Other woodland; mixed	0.211913766	Medium	4	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	30	0	2	Check details- Delay in s arting habitat in required condition? /h	30+	0.320	Low	Standard difficulty applied	Low	1	0.60	W5, SI3 Condition cri eria 1333331311112 26.09 Moderate		
Grassland	Other neutral grassland	1.172869025	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	3	Check details- Delay in s arting habitat in required condition? /h	9	0.752	Low	Standard difficulty applied	Low	1	8.11	G33, SI4 LBAP Condition criteria PPPPPPP Moderate		
Grassland	Other neutral grassland	0.000006189	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	3	Check details- Delay in s arting habitat in required condition? /h	9	0.752	Low	Standard difficulty applied	Low	1	0.00	G33, SI4 LBAP Condition criteria PPPPPPP Moderate		
Grassland	Modified grassland	0.11416526	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	1	0	3	Check details- Delay in s arting habitat in required condition? /h	4	0.867	Low	Standard difficulty applied	Low	1	0.23	G37, SI4 LBAP Condition criteria PPPPPP Poor		
Heathland and shrub	Mixed scrub	1.532980216	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	3	Check details- Delay in s arting habitat in required condition? /h	9	0.752	Low	Standard difficulty applied	Low	1	10.61	SC10, SI4 LBAP Condition criteria PPPPP Moderate		
Heathland and shrub	Mixed scrub	0.000045903	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	3	Check details- Delay in s arting habitat in required condition? /h	9	0.752	Low	Standard difficulty applied	Low	1	0.00	SC10, SI4 LBAP Condition criteria PPPPP Moderate		
Urban	Sustainable drainage system	0.692178224	Low	2	Good	3	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	5	0	3	Check details- Delay in s arting habitat in required condition? /h	9	0.752	Medium	Standard difficulty applied	Medium	0.67	2.27	SuD1, SI4 Condition criteria PPPPP Good		
Urban	Bioswale	0.000287421	Low	2	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	1	0	3	Check details- Delay in s arting habitat in required condition? /h	4	0.867	Medium	Standard difficulty applied	Medium	0.67	0.00	BW1, SI4 Condition criteria PPPPP moderate		
Urban	Developed land; sealed surface	0.061821739	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	3	Standard time o target condition applied	3	0.899	Low	Standard difficulty applied	Medium	0.67	0.00	U10, SI4		
Urban	Developed land; sealed surface	0.00000585	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	3	Standard time o target condition applied	3	0.899	Low	Standard difficulty applied	Medium	0.67	0.00	U10, SI4		
Urban	Developed land; sealed surface	0.012704243	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	3	Standard time o target condition applied	3	0.899	Low	Standard difficulty applied	Medium	0.67	0.00	U11, SI4		
Urban	Developed land; sealed surface	0.404993377	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	3	Standard time o target condition applied	3	0.899	Low	Standard difficulty applied	Medium	0.67	0.00	U12, SI4		
Urban	Developed land; sealed surface	0.001568053	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	3	Standard time o target condition applied	3	0.899	Low	Standard difficulty applied	Medium	0.67	0.00	U14, SI4		
Urban	Developed land; sealed surface	0.038118665	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	3	Standard time o target condition applied	3	0.899	Low	Standard difficulty applied	Medium	0.67	0.00	U23, SI4		
Urban	Vegetated garden	0.003549966	Low	2	Condition Assessment N/A	1	Formally identified in local strategy	High strategic significance	1.15	1	0	3	Check details- Delay in s arting habitat in required condition? /h	4	0.867	Low	Standard difficulty applied	Low	1	0.01	U7, SI4		
Urban	Introduced shrub	0.02009759	Low	2	Condition Assessment N/A	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	1	0	3	Check details- Delay in s arting habitat in required condition? /h	4	0.867	Low	Standard difficulty applied	Low	1	0.04	U9, SI4		
Woodland and forest	Other woodland; mixed	0.053741686	Medium	4	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	30	0	3	Check details- Delay in s arting habitat in required condition? /h	30+	0.320	Low	Standard difficulty applied	Low	1	0.15	W5, SI4 Condition cri eria 1333331311112 26.09 Moderate		
Grassland	Other neutral grassland	0.757928902	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	2	Check details- Delay in s arting habitat in required condition? /h	7	0.779	Low	Standard difficulty applied	Low	1	5.43	G33, SI5 LBAP Condition criteria PPPPPPP Moderate		
Grassland	Other neutral grassland	0.155135048	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	2	Check details- Delay in s arting habitat in required condition? /h	7	0.779	Low	Standard difficulty applied	Low	1	1.11	G33, SI5 LBAP Condition criteria PPPPPPP Moderate		
Grassland	Other neutral grassland	0.005850436	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	2	Check details- Delay in s arting habitat in required condition? /h	7	0.779	Low	Standard difficulty applied	Low	1	0.04	G34, SI5 LBAP Condition criteria PPPPPPP Moderate		
Grassland	Other neutral grassland	0.028102292	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	2	Check details- Delay in s arting habitat in required condition? /h	7	0.779	Low	Standard difficulty applied	Low	1	0.20	G34, SI5 LBAP Condition criteria PPPPPPP Moderate		
Grassland	Modified grassland	0.007253535	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	1	0	2	Check details- Delay in s arting habitat in required condition? /h	3	0.899	Low	Standard difficulty applied	Low	1	0.01	G37, SI5 LBAP Condition criteria PPPPPP Poor		
Lakes	Ponds (priority habitat)	0.060755631	High	6	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	3	0	2	Check details- Delay in s arting habitat in required condition? /h	5	0.837	Medium	Standard difficulty applied	Medium	0.67	0.47	P4, SI5 LBAP Condition criteria PPPPPPPP Moderate		
Wetland	Reedbeds	0.051872859	High	6	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	7	0	2	Check details- Delay in s arting habitat in required condition? /h	9	0.726	Medium	Standard difficulty applied	Medium	0.67	0.35	RE1, SI5 SA1 and LBAP Condition criteria PPPPPP Moderate		
Heathland and shrub	Gorse scrub	0.000295544	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	2	Check details- Delay in s arting habitat in required condition? /h	7	0.779	Low	Standard difficulty applied	Low	1	0.00	SC9, SI5 LBAP Condition cri eria PPPPP Moderate		
Heathland and shrub	Gorse scrub	0.0057093	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	2	Check details- Delay in s arting habitat in required condition? /h	7	0.779	Low	Standard difficulty applied	Low	1	0.04	SC9, SI5 LBAP Condition cri eria PPPPP Moderate		
Urban	Mixed scrub	0.770575873	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	2	Check details- Delay in s arting habitat in required condition? /h	7	0.779	Low	Standard difficulty applied	Low	1	5.82	SC10, SI5 LBAP Condition criteria PPPPP Moderate		
Urban	Mixed scrub	0.102909999	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	5	0	2	Check details- Delay in s arting habitat in required condition? /h	7	0.779	Low	Standard difficulty applied	Low	1	0.74	SC10, SI5 LBAP Condition criteria PPPPP Moderate		
Urban	Developed land; sealed surface	0.040534503	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	2	Standard time o target condition applied	2	0.931	Low	Standard difficulty applied	Medium	0.67	0.00	U10, SI5		
Urban	Developed land; sealed surface	0.000028392	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	2	Standard time o target condition applied	2	0.931	Low	Standard difficulty applied	Medium	0.67	0.00	U10, SI5		
Urban	Developed land; sealed surface	0.007722284	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	2	Standard time o target condition applied	2	0.931	Low	Standard difficulty applied	Medium	0.67	0.00	U11, SI5		
Urban	Developed land; sealed surface	0.147635857	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	2	Standard time o target condition applied	2	0.931	Low	Standard difficulty applied	Medium	0.67	0.00	U12, SI5		
Urban	Developed land; sealed surface	0.045194672	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	2	Standard time o target condition applied	2	0.931	Low	Standard difficulty applied	Medium	0.67	0.00	U16, SI5		
Urban	Developed land; sealed surface	0.00000007	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	2	Standard time o target condition applied	2	0.931	Low	Standard difficulty applied	Medium	0.67	0.00	U12, SI5		
Urban	Artificial unvegetated, unsealed surface	0.029848696	V Low	0	10A - O her	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	2	Standard time o target condition applied	2	0.931	Low	Standard difficulty applied	Low	1	0.00	U23, SI5		
Woodland and forest	Other woodland; mixed	0.000332108	Medium	4	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	30	0	2	Check details- Delay in s arting habitat in required condition? /h	30+	0.320	Low	Standard difficulty applied	Low	1	0.00	W5, SI5 Condition cri eria 1333331311112 26.09 Moderate		
Woodland and forest	Other woodland; mixed	0.000100063	Medium	4	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	30	0	2	Check details- Delay in s arting habitat in required condition? /h	30+	0.320	Low	Standard difficulty applied	Low	1	0.00	W6, SI5 Condition cri eria 1333331311112 26.09 Moderate		
Individual trees	Urban tree	0.974899032	Medium	4	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	27	0	3	Check details- Delay in s arting habitat in required condition? /h	30	0.343	Low	Standard difficulty applied	Low	1	2.95	C1 - 1 Large and 12 Medium trees. Condition criteria PPPPP Moderate		
Individual trees	Urban tree	19.0501152	Medium	4	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	27	0	3	Check details- Delay in s arting habitat in required condition? /h	30	0.343	Low	Standard difficulty applied	Low	1	57.57	E 128 Large and 209 Medium trees. Condition criteria PPPPP Moderate		
Individual trees	Urban tree	4.920638874	Medium	4	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	27	0	6	Check details- Delay in s arting habitat in required condition? /h	30+	0.320	Low	Standard difficulty applied	Low	1	13.85	P1 38 Large and 55 Medium trees. Condition criteria PPPPP Moderate		
Individual trees	Urban tree	5.934917735	Medium	4	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	27	0	6	Check details- Delay in s arting habitat in required condition? /h	30+	0.320	Low	Standard difficulty applied	Low	1	16.42	P2 49 Large and 67 Medium trees. Condition criteria PPPPP Moderate		
Individual trees	Urban tree	0.49536533	Medium	4	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	27	0	8	Check details- Delay in s arting habitat in required condition? /h	30+	0.320	Low	Standard difficulty applied	Low	1	1.39	P3 6 Large and 1 Medium tree. Condition criteria PPPPP Moderate		
Individual trees	Urban tree	1.690126582	Medium	4	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	27	0	10	Check details- Delay in s arting habitat in required condition? /h	30+	0.320	Low	Standard difficulty applied	Low	1	4.76	P4 13 Large and 19 Medium trees. Condition criteria PPPPP Moderate		
Individual trees	Urban tree	2.787823126	Medium	4	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	27	0	6	Check details- Delay in s arting habitat in required condition? /h	30+	0.320	Low	Standard difficulty applied	Low	1	7.84	P5 24 Large and 35 Medium trees. Condition criteria PPPPP Moderate		
Individual trees	Urban tree	11.55040468	Medium	4	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	27	0	12	Check details- Delay in s arting habitat in required condition? /h	30+	0.320	Low	Standard difficulty applied	Low	1	32.51	P6 95 Large and 117 Medium trees. Condition criteria PPPPP Moderate		
Individual trees	Urban tree	5.854370476	Medium	4	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	27	0	5	Check details- Delay in s arting habitat in required condition? /h	30+	0.320	Low	Standard difficulty applied	Low	1	16.48	P7 32 Large and 63 Medium trees. Condition criteria PPPPP Moderate		
Individual trees	Urban tree	19.2156897	Medium	4	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	27	0	1	Check details- Delay in s arting habitat in required condition? /h	28	0.369	Low	Standard difficulty applied	Low	1	62.36	S1, 155 Large and 201 Medium trees. Condition criteria PPPPP Moderate		
Individual trees	Urban tree	4.401295909	Medium	4	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	27	0	2	Check details- Delay in s arting habitat in required condition? /h	29	0.356	Low	Standard difficulty applied	Low	1	13.78	S10, 58 Large and 45 Medium trees. Condition criteria PPPPP Moderate		
Individual trees	Urban tree	11.14551622	Medium	4	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	27	0	2	Check details- Delay in s arting habitat in required condition? /h	29	0.356	Low	Standard difficulty applied	Low	1	34.90	S13 106 Large and 83 Medium trees. Condition criteria PPPPP Moderate		
Individual trees	Urban tree	4.068337354	Medium	4	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	27	0	3	Check details- Delay in s arting habitat in required condition? /h	30	0.343	Low	Standard difficulty applied	Low	1	12.29	S14 35 Large and 38 Medium trees. Condition criteria PPPPP Moderate		
Individual trees	Urban tree	3.27349928	Medium	4	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	27	0	2	Check details- Delay in s arting habitat in required condition? /h	29	0.356	Low	Standard difficulty applied	Low	1	10.25	S15 27 Large and 33 Medium trees. Condition criteria PPPPP Moderate		
Total habitat area		207.23																	Total Units	512.84		

Site Area (Excluding area of Individual trees and Green walls)	111.86

M² to hectares conversion tool:	Select a unit	Hectares	M²

Project Name: Barnsley West Combined Map Reference:

B-1 On-Site Hedge Baseline

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

Hedgerow summary	
Total Net Unit Change	13.00
Total Net % Change	27.49%
Trading Rules Satisfied	No - check trading summary ▲

	Existing hedgerow habitats			Distinctiveness		Condition		Strategic significance			Required Action to Meet Trading Rules	Ecological baseline	Retention category biodiversity value						Comments		
Baseline ref	Hedge number	Hedgerow type	Length (km)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic position multiplier		Total hedgerow units	Length retained	Length enhanced	Units retained	Units enhanced	Length lost	Units lost	User comments	Consenting body comments	GIS reference number
1	H1	Native Hedgerow	0.042634	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	0.20	0	0	0.00	0.00	0.04	0.20	Commercial. S41 and LEAP. Condition criteria = PFFPFPFP Moderate		
2	H1	Native Hedgerow	0.0848638	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	0.39	0	0	0.00	0.00	0.08	0.39	Residential. S41 and LEAP. Condition criteria = PFFPFPFP Moderate		
3	H2	Native Hedgerow	0.0602286	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	0.28	0	0	0.00	0.00	0.06	0.28	Residential. S41 and LEAP. Condition criteria = PFFPFPFP Moderate		
4	H2a	Native Hedgerow	0.0931798	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	0.43	0	0	0.00	0.00	0.09	0.43	Residential. S41 and LEAP. Condition criteria = PFFPFPFP Moderate		
5	H3	Species-rich native hedgerow	0.1607401	Medium	4	Good	3	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	2.22	0	0	0.00	0.00	0.16	2.22	Residential. S41 and LEAP. Condition criteria = PFFPFPFP Good		
6	H4	Species-rich native hedgerow with trees	0.2692842	High	6	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Like for like or better	3.72	0	0	0.00	0.00	0.27	3.72	Residential. S41 and LEAP. Condition criteria = PFFPFPFP Moderate		
7	H5	Native Hedgerow	0.4546709	Low	2	Good	3	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	3.14	0.0871114	0	0.60	0.00	0.37	2.54	Residential. S41 and LEAP. Condition criteria = PFFPFPFP Good		
8	H6	Native Hedgerow	0.1576076	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	0.36	0	0	0.00	0.00	0.16	0.36	Residential. S41 and LEAP. Condition criteria = PFFPFPFP Poor		
9	H7	Native Hedgerow	0.4754481	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	2.19	0.03921058	0	0.18	0.00	0.44	2.01	Residential. S41 and LEAP. Condition criteria = PFFPFPFP Moderate		
10	H8	Native Hedgerow	0.1912943	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	0.44	0	0	0.00	0.00	0.19	0.44	Residential. S41 and LEAP. Condition criteria = PFFPFPFP Poor		
11	H9	Native Hedgerow	0.0754141	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	0.17	0	0	0.00	0.00	0.08	0.17	Residential. S41 and LEAP. Condition criteria = PFFPFPFP Poor		
12	H10	Native Hedgerow with trees	0.08862	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	0.82	0	0	0.00	0.00	0.09	0.82	Residential. S41 and LEAP. Condition criteria = PFFPFPFPFP Moderate		
13	H11	Native Hedgerow - Associated with bank or ditch	0.157026	Medium	4	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	0.72	0	0.15702601	0.00	0.72	0.00	0.00	Residential. S41 and LEAP. Condition criteria = PFFPFPFP POOR		
14	H12	Native Hedgerow	0.3021391	Low	2	Good	3	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	2.08	0.29347503	0	2.02	0.00	0.01	0.06	Residential. S41 and LEAP. Condition criteria = PFFPFPFP Good		
15	H13	Native Hedgerow with trees	0.1094913	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	1.01	0	0.10949128	0.00	1.01	0.00	0.00	Residential. S41 and LEAP. Condition criteria = PFFPFPFPFP Moderate		
16	H14	Native Hedgerow	0.308273	Low	2	Good	3	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	2.13	0.30827302	0	2.13	0.00	0.00	0.00	Residential. S41 and LEAP. Condition criteria = PFFPFPFP Good		
17	H15	Native Hedgerow	0.1293226	Low	2	Good	3	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	0.89	0.12651846	0	0.87	0.00	0.00	0.02	Residential. S41 and LEAP. Condition criteria = PFFPFPFP Good		
18	H15a	Native Hedgerow	0.025742	Low	2	Good	3	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	0.18	0	0	0.00	0.00	0.03	0.18	Residential. S41 and LEAP. Condition criteria = PFFPFPFP Good		
19	H16	Native Hedgerow	0.2617732	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	1.20	0	0.256059	0.00	1.18	0.01	0.03	Residential. S41 and LEAP. Condition criteria = PFFPFPFP Moderate		
20	H17a	Native Hedgerow	0.1645142	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	0.76	0	0.1645142	0.00	0.76	0.00	0.00	Residential. S41 and LEAP. Condition criteria = PFFPFPFP Moderate		
21	H17b	Native Hedgerow	0.1465868	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	0.67	0	0.14658688	0.00	0.67	0.00	0.00	Residential. S41 and LEAP. Condition criteria = PFFPFPFP Moderate		
22	H17c	Native Hedgerow	0.2865996	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	1.32	0	0.21400669	0.00	0.98	0.07	0.33	Residential. S41 and LEAP. Condition criteria = PFFPFPFP Moderate		
23	H17c	Native hedgerow	0.2019201	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	0.93	0	0.18374846	0.00	0.85	0.02	0.08	Commercial. S41 and LEAP. Condition criteria = PFFPFPFP Moderate		
24	H18	Native hedgerow	0.127299	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	0.59	0	0	0.00	0.00	0.13	0.59	Residential. S41 and LEAP. Condition criteria = PFFPFPFP Moderate		
25	H18	Native hedgerow	0.0158616	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	0.07	0	0	0.00	0.00	0.02	0.07	Commercial. S41 and LEAP. Condition criteria = PFFPFPFP Moderate		
26	H19	Native hedgerow	0.0767834	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	0.35	0	0.07678339	0.00	0.35	0.00	0.00	Residential. S41 and LEAP. Condition criteria = PFFPFPFP Moderate		
27	H20	Native hedgerow	0.1501066	Low	2	Good	3	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	1.04	0	0	0.00	0.00	0.15	1.04	Commercial. S41 and LEAP. Condition criteria = PFPFP Moderate		
28	H20a	Ecologically valuable line of trees	0.0752193	Medium	4	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same distinctiveness band or better	0.66	0	0	0.00	0.00	0.08	0.66	Commercial. Condition criteria = PFPFP Moderate		
29	H21	Native Hedgerow	0.2259849	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	1.04	0	0	0.00	0.00	0.23	1.04	Commercial. S41 and LEAP. Condition criteria = PFFPFPFP Moderate		
30	H22	Native Hedgerow	0.1578812	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	0.73	0	0	0.00	0.00	0.16	0.73	Commercial. S41 and LEAP. Condition criteria = PFFPFPFPFP Moderate		
31	H23	Native Hedgerow with trees	0.1935776	Medium	4	Good	3	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	2.67	0	0	0.00	0.00	0.19	2.67	Commercial. S41 and LEAP. Condition criteria = PFFPFPFP Good		
32	H24	Species-rich native hedgerow	0.1588803	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	1.46	0	0	0.00	0.00	0.16	1.46	Commercial. S41 and LEAP. Condition criteria = PFFPFPFP Moderate		
33	H25	Species-rich native hedgerow	0.1142736	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	1.05	0	0	0.00	0.00	0.11	1.05	Commercial. S41 and LEAP. Condition criteria = PFFPFPFP Moderate		
34	H26	Species-rich native hedgerow	0.2089751	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	1.92	0	0	0.00	0.00	0.21	1.92	Commercial. S41 and LEAP. Condition criteria = PFFPFPFP Moderate		
35	H27	Species-rich native hedgerow	0.1476836	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	1.36	0	0	0.00	0.00	0.15	1.36	Commercial. S41 and LEAP. Condition criteria = PFFPFPFP Moderate		
36	H28	Species-rich native hedgerow	0.458402	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	4.22	0	0	0.00	0.00	0.46	4.22	Commercial. S41 and LEAP. Condition criteria = PFFPFPFP Moderate		
37	H29	Native hedgerow - associated with bank or ditch	0.2169245	Medium	4	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	1.00	0	0	0.00	0.00	0.22	1.00	Commercial. S41 and LEAP. Condition criteria = PFFFFFFP Poor		
38	H30	Native Hedgerow	0.1660655	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	0.38	0	0	0.00	0.00	0.17	0.38	Commercial. S41 and LEAP. Condition criteria = FFFFFFFP Poor		
39	H31	Native Hedgerow	0.0770625	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	0.18	0	0	0.00	0.00	0.08	0.18	Commercial. S41 and LEAP. Condition criteria = FFFFFFFP Poor		
40	H32	Native Hedgerow	0.1756644	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	0.40	0	0	0.00	0.00	0.18	0.40	Commercial. S41 and LEAP. Condition criteria = FFFFFFFP Poor		
41	H34	Native Hedgerow	0.2786746	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	1.27	0	0	0.00	0.00	0.28	1.27	Commercial. S41 and LEAP. Condition criteria = PFFFPFFP Moderate. Note- H33 missing to ensure consistency with previous reports (WGY, 2021). H33 is now measured within H34		
42	H35	Native Hedgerow with trees	0.139683	Medium	4	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	0.64	0	0	0.00	0.00	0.14	0.64	Commercial. S41 and LEAP. Condition criteria = FFFFFFFFP Poor		
43																					
44																					
45																					
46																					
47																					
			7.41									47.28	0.86	1.31	5.81	6.52	5.25	34.94			

Project Name: Barnsley West Combined Map Reference:

B-2 On-Site Hedge Creation

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

Hedgerow summary	
Total Net Unit Change	13.00
Total Net % Change	27.49%
Trading Rules Satisfied	No - check trading summary ▲

	Proposed habitats			Distinctiveness		Condition		Strategic significance			Temporal multiplier						Difficulty risk multipliers				Hedge units delivered	Comments		
Baseline ref	New hedge number	Habitat type	Length (km)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic position 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	Consenting body comments	GIS reference number
1	H41	Species-rich native hedgerow	0.3107571	Medium	4	Good	3	Formally identified in local strategy	High strategic significance	1.15	12	0	3	Check details- Delay in starting habitat in required condition? ⚠	15	0.586	Low	Standard difficulty applied	Low	1	2.81	C1. S41 and LBAP Condition Criteria PPPPPPP Good.		
2	H42	Species-rich native hedgerow	0.2223577	Medium	4	Good	3	Formally identified in local strategy	High strategic significance	1.15	12	0	3	Check details- Delay in starting habitat in required condition? ⚠	15	0.586	Low	Standard difficulty applied	Low	1	1.80	C1. S41 and LBAP Condition Criteria PPPPPPP Good.		
3	TL1	Species-rich native hedgerow	0.0313527	Medium	4	Good	3	Formally identified in local strategy	High strategic significance	1.15	12	0	3	Check details- Delay in starting habitat in required condition? ⚠	15	0.586	Low	Standard difficulty applied	Low	1	0.25	C1. S41 and LBAP Condition Criteria PPPPPPP Good.		
4	TL2	Species-rich native hedgerow	0.0391019	Medium	4	Good	3	Formally identified in local strategy	High strategic significance	1.15	12	0	3	Check details- Delay in starting habitat in required condition? ⚠	15	0.586	Low	Standard difficulty applied	Low	1	0.32	C1. S41 and LBAP Condition Criteria PPPPPPP Good.		
5	TL3	Line of trees	0.0698261	Low	2	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	20	0	3	Check details- Delay in starting habitat in required condition? ⚠	23	0.441	Low	Standard difficulty applied	Low	1	0.14	C1. Condition Critera PPFFP Moderate		
6	TL4	Line of trees	0.011815	Low	2	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	20	0	3	Check details- Delay in starting habitat in required condition? ⚠	23	0.441	Low	Standard difficulty applied	Low	1	0.02	C1. Condition Critera PPFFP Moderate		
7	TL5	Line of trees	0.0488783	Low	2	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	20	0	3	Check details- Delay in starting habitat in required condition? ⚠	23	0.441	Low	Standard difficulty applied	Low	1	0.09	C1. Condition Critera PPFFP Moderate		
8	TL6	Line of trees	0.0349131	Low	2	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	20	0	3	Check details- Delay in starting habitat in required condition? ⚠	23	0.441	Low	Standard difficulty applied	Low	1	0.07	C1. Condition Critera PPFFP Moderate		
9	H38	Species-rich native hedgerow	1.2764432	Medium	4	Good	3	Formally identified in local strategy	High strategic significance	1.15	12	0	3	Check details- Delay in starting habitat in required condition? ⚠	15	0.586	Low	Standard difficulty applied	Low	1	10.32	E. S41 and LBAP Condition Criteria PPPPPPP Good.		
10	H40	Species-rich native hedgerow	2.0390754	Medium	4	Good	3	Formally identified in local strategy	High strategic significance	1.15	12	0	3	Check details- Delay in starting habitat in required condition? ⚠	15	0.586	Low	Standard difficulty applied	Low	1	16.49	E. S41 and LBAP Condition Criteria PPPPPPP Good.		
11	H49	Species-rich native hedgerow	0.0235748	Medium	4	Good	3	Formally identified in local strategy	High strategic significance	1.15	12	0	6	Check details- Delay in starting habitat in required condition? ⚠	18	0.527	Low	Standard difficulty applied	Low	1	0.17	P1. S41 and LBAP Condition Criteria PPPPPPP Good.		
12	H51	Species-rich native hedgerow	0.1612155	Medium	4	Good	3	Formally identified in local strategy	High strategic significance	1.15	12	0	6	Check details- Delay in starting habitat in required condition? ⚠	18	0.527	Low	Standard difficulty applied	Low	1	1.17	P2. S41 and LBAP Condition Criteria PPPPPPP Good.		
13	H50	Species-rich native hedgerow	0.0196741	Medium	4	Good	3	Formally identified in local strategy	High strategic significance	1.15	12	0	9	Check details- Delay in starting habitat in required condition? ⚠	20	0.490	Low	Standard difficulty applied	Low	1	0.13	P3. S41 and LBAP Condition Criteria PPPPPPP Good.		
14	TL7	Line of trees	0.047993	Low	2	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	20	0	6	Check details- Delay in starting habitat in required condition? ⚠	26	0.396	Low	Standard difficulty applied	Low	1	0.08	P5. Condition Critera PPFFP Moderate		
15	H39	Species-rich native hedgerow	0.012673	Medium	4	Good	3	Formally identified in local strategy	High strategic significance	1.15	12	0	12	Check details- Delay in starting habitat in required condition? ⚠	24	0.425	Low	Standard difficulty applied	Low	1	0.07	P6. S41 and LBAP Condition Criteria PPPPPPP Good.		
16	H42	Species-rich native hedgerow	0.000729	Medium	4	Good	3	Formally identified in local strategy	High strategic significance	1.15	12	0	1	Check details- Delay in starting habitat in required condition? ⚠	13	0.629	Low	Standard difficulty applied	Low	1	0.01	S1. S41 and LBAP Condition Criteria PPPPPPP Good.		
17	TL9	Line of trees	0.0149115	Low	2	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	20	0	1	Check details- Delay in starting habitat in required condition? ⚠	21	0.473	Low	Standard difficulty applied	Low	1	0.03	S11. Condition Critera PPFFP Moderate		
18	H41	Species-rich native hedgerow	0.0327326	Medium	4	Good	3	Formally identified in local strategy	High strategic significance	1.15	12	0	2	Check details- Delay in starting habitat in required condition? ⚠	14	0.607	Low	Standard difficulty applied	Low	1	0.27	S12. S41 and LBAP Condition Criteria PPPPPPP Good.		
19	TL8	Line of trees	0.0267056	Low	2	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	20	0	2	Check details- Delay in starting habitat in required condition? ⚠	22	0.457	Low	Standard difficulty applied	Low	1	0.05	S12. Condition Critera PPFFP Moderate		
20	H43	Species-rich native hedgerow	0.0466583	Medium	4	Good	3	Formally identified in local strategy	High strategic significance	1.15	12	0	2	Check details- Delay in starting habitat in required condition? ⚠	14	0.607	Low	Standard difficulty applied	Low	1	0.39	S13. S41 and LBAP Condition Criteria PPPPPPP Good.		
21	H44	Species-rich native hedgerow	0.0179676	Medium	4	Good	3	Formally identified in local strategy	High strategic significance	1.15	12	0	2	Check details- Delay in starting habitat in required condition? ⚠	14	0.607	Low	Standard difficulty applied	Low	1	0.15	S13. S41 and LBAP Condition Criteria PPPPPPP Good.		
22	H45	Species-rich native hedgerow	0.020292	Medium	4	Good	3	Formally identified in local strategy	High strategic significance	1.15	12	0	2	Check details- Delay in starting habitat in required condition? ⚠	14	0.607	Low	Standard difficulty applied	Low	1	0.17	S13. S41 and LBAP Condition Criteria PPPPPPP Good.		
23	H46	Species-rich native hedgerow	0.0265706	Medium	4	Good	3	Formally identified in local strategy	High strategic significance	1.15	12	0	2	Check details- Delay in starting habitat in required condition? ⚠	14	0.607	Low	Standard difficulty applied	Low	1	0.22	S13. S41 and LBAP Condition Criteria PPPPPPP Good.		
24	H47	Species-rich native hedgerow	0.0375828	Medium	4	Good	3	Formally identified in local strategy	High strategic significance	1.15	12	0	2	Check details- Delay in starting habitat in required condition? ⚠	14	0.607	Low	Standard difficulty applied	Low	1	0.31	S13. S41 and LBAP Condition Criteria PPPPPPP Good.		
25	H48	Species-rich native hedgerow	0.0147419	Medium	4	Good	3	Formally identified in local strategy	High strategic significance	1.15	12	0	2	Check details- Delay in starting habitat in required condition? ⚠	14	0.607	Low	Standard difficulty applied	Low	1	0.12	S13. S41 and LBAP Condition Criteria PPPPPPP Good.		
26	H50	Species-rich native hedgerow	0.1516551	Medium	4	Good	3	Formally identified in local strategy	High strategic significance	1.15	12	0	2	Check details- Delay in starting habitat in required condition? ⚠	14	0.607	Low	Standard difficulty applied	Low	1	1.27	S13. S41 and LBAP Condition Criteria PPPPPPP Good.		
27	H38	Species-rich native hedgerow	0.0103527	Medium	4	Good	3	Formally identified in local strategy	High strategic significance	1.15	12	0	2	Check details- Delay in starting habitat in required condition? ⚠	14	0.607	Low	Standard difficulty applied	Low	1	0.09	S15. S41 and LBAP Condition Criteria PPPPPPP Good.		
28																								
29																								
30																								
31																								
32																								
			4.75																		36.75			

Project Name: Barnsley West Combined Map Reference:

B-3 On-Site Hedge Enhancement

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

Hedgerow summary	
Total Net Unit Change	13.00
Total Net % Change	27.48%
Trading Rules Satisfied	No - check trading summary ▲

Baseline Habitats

Baseline ref	Baseline habitat	Length (km)	Baseline distinctiveness band	Baseline distinctiveness score	Baseline condition category	Baseline condition score	Baseline strategic significance category	Baseline strategic significance score	Baseline habitat units	Required Action to Meet Trading Rules
15	Native Hedgerow - Associated with bank or ditch	0.15703	Medium	4	Poor	1	High strategic significance	1.15	0.722319631	Same distinctiveness band or better
16	Native Hedgerow with trees	0.10949	Medium	4	Moderate	2	High strategic significance	1.15	1.067319779	Same distinctiveness band or better
19	Native Hedgerow	0.26178	Low	2	Moderate	2	High strategic significance	1.15	1.264165929	Same distinctiveness band or better
20	Native Hedgerow	0.16451	Low	2	Moderate	2	High strategic significance	1.15	0.758765326	Same distinctiveness band or better
21	Native Hedgerow	0.14659	Low	2	Moderate	2	High strategic significance	1.15	0.674299643	Same distinctiveness band or better
22	Native Hedgerow	0.2866	Low	2	Moderate	2	High strategic significance	1.15	1.318358168	Same distinctiveness band or better
23	Native hedgerow	0.20182	Low	2	Moderate	2	High strategic significance	1.15	0.928032444	Same distinctiveness band or better
26	Native hedgerow	0.07678	Low	2	Moderate	2	High strategic significance	1.15	0.353203616	Same distinctiveness band or better

Post development / post intervention habitats

Baseline ref	Proposed (Pre-populated but can be overridden)	Change in distinctiveness and condition: Distinctiveness movement	Change in distinctiveness and condition: Condition movement	Length (km)	Distinctiveness	Distinctiveness Score	Condition	Condition Score	Strategic significance	Strategic significance	Strategic position multiplier
15	Species rich native hedgerow - associated with bank or ditch	Medium - High	Lower Distinctiveness Habitat - Good	0.157026	High	6	Good	3	Formally identified in local strategy	High strategic significance	1.15
16	Species-rich native hedgerow with trees	Medium - High	Lower Distinctiveness Habitat - Good	0.1094913	High	6	Good	3	Formally identified in local strategy	High strategic significance	1.15
19	Species-rich native hedgerow	Low - Medium	Lower Distinctiveness Habitat - Good	0.258058	Medium	4	Good	3	Formally identified in local strategy	High strategic significance	1.15
20	Species-rich native hedgerow	Low - Medium	Lower Distinctiveness Habitat - Good	0.1645142	Medium	4	Good	3	Formally identified in local strategy	High strategic significance	1.15
21	Species-rich native hedgerow	Low - Medium	Lower Distinctiveness Habitat - Good	0.1465069	Medium	4	Good	3	Formally identified in local strategy	High strategic significance	1.15
22	Species-rich native hedgerow	Low - Medium	Lower Distinctiveness Habitat - Good	0.2140067	Medium	4	Good	3	Formally identified in local strategy	High strategic significance	1.15
23	Species-rich native hedgerow	Low - Medium	Lower Distinctiveness Habitat - Good	0.1837485	Medium	4	Good	3	Formally identified in local strategy	High strategic significance	1.15
26	Species-rich native hedgerow	Low - Medium	Lower Distinctiveness Habitat - Good	0.0767634	Medium	4	Good	3	Formally identified in local strategy	High strategic significance	1.15
				1.31							

Baseline ref	Temporal multiplier: Standard Time to target condition (years)	Habitat enhanced in advance (years)	Delay in starting habitat enhancement (years)	Standard or adjusted time to target condition	Final time to target condition (years)	Final Time to target multiplier	Difficulty risk multipliers: Standard difficulty of enhancement	Applied difficulty multiplier	Final difficulty of enhancement	Difficulty multiplier applied	Hedge units delivered	User comments	Consenting body comments	OS reference number
15	5	0	0	Standard time to target condition applied	5	0.837	Low	Standard difficulty applied	Low	1	2.84	Hedgerows to gapped up using a mix of native species and maintained at 3m h [illegible] BEMP		
16	5	0	0	Standard time to target condition applied	5	0.837	Low	Standard difficulty applied	Low	1	2.06			
19	5	0	0	Standard time to target condition applied	5	0.837	Low	Standard difficulty applied	Low	1	3.15			
20	5	0	0	Standard time to target condition applied	5	0.837	Low	Standard difficulty applied	Low	1	2.02			
21	5	0	0	Standard time to target condition applied	5	0.837	Low	Standard difficulty applied	Low	1	1.80			
22	5	0	0	Standard time to target condition applied	5	0.837	Low	Standard difficulty applied	Low	1	2.63			
23	5	0	0	Standard time to target condition applied	5	0.837	Low	Standard difficulty applied	Low	1	2.26			
26	5	0	0	Standard time to target condition applied	5	0.837	Low	Standard difficulty applied	Low	1	0.94			
											17.71			

Project Name: Barnsley West Combined Map Reference:

C-1 On-Site WaterC' Baseline

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

Watercourse summary	
Total Net Unit Change	-4.71
Total Net % Change	-28.61%
Trading Rules Satisfied	No - check trading summary ▲

A 'Fairly' Category has been used - check evidence to ensure this is appropriate ⚠

Existing watercourse type			Distinctiveness		Condition		Strategic significance			Watercourse encroachment		Riparian encroachment		Required Action to Meet Trading Rules	Ecological baseline	Retention category biodiversity value						Bespoke compensation agreed for unacceptable losses	Comments		
Baseline 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	Consenting body comments	GIS reference number
1	Other rivers and streams	0.22701	High	6	Fairly Good	2.5	Formally identified in local strategy	High strategic significance	1.15	No Encroachment	1	No Encroachment/ No Encroachment	1	Same habitat required =	3.92	0.22701	0	3.92	0.00	0.00	0.00		D1.1. Residential. LBAP. See River Condition Assessment for full details.		
2	Other rivers and streams	0.22701	High	6	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	No Encroachment	1	No Encroachment/ No Encroachment	1	Same habitat required =	3.13	0.22701	0	3.13	0.00	0.00	0.00		D1.2. Residential. LBAP. See River Condition Assessment for full details.		
3	Ditches	0.3779479	Medium	4	Poor	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	No Encroachment	1	No Encroachment/ No Encroachment	1	Same habitat required =	1.66	0.1928191	0	0.85	0.00	0.19	0.81		D2. Residential. Condition Criteria = FFFFFF Poor.		
4	Ditches	0.0765676	Medium	4	Poor	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	No Encroachment	1	No Encroachment/ No Encroachment	1	Same habitat required =	0.34	0	0	0.00	0.00	0.08	0.34		D3. Residential. Condition Criteria = FFFFFF Poor.		
5	Ditches	0.1912312	Medium	4	Poor	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	No Encroachment	1	No Encroachment/ No Encroachment	1	Same habitat required =	0.84	0	0	0.00	0.00	0.19	0.84		D4. Commerical. Condition Criteria = FFFFFF Poor.		
6	Ditches	0.2146975	Medium	4	Poor	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	No Encroachment	1	No Encroachment/ No Encroachment	1	Same habitat required =	0.94	0	0	0.00	0.00	0.21	0.94		D5. Commerical. Condition Criteria = FFFFFF Poor.		
7	Other rivers and streams	0.1852616	High	6	Fairly Good	2.5	Formally identified in local strategy	High strategic significance	1.15	No Encroachment	1	No Encroachment/ No Encroachment	1	Same habitat required =	3.20	0.08242786	0	1.42	0.00	0.10	1.77		D6. Commerical. LBAP. See River Condition Assessment for full details.		
8	Other rivers and streams	0.1413978	High	6	Fairly Good	2.5	Formally identified in local strategy	High strategic significance	1.15	No Encroachment	1	No Encroachment/ No Encroachment	1	Same habitat required =	2.44	0.1413978		2.44	0.00	0.00	0.00		D6. Residential. LBAP. See River Condition Assessment for full details.		
9																									
10																									
11																									
12																									
13																									
		1.64													16.47	0.87	0.00	11.76	0.00	0.77	4.71				

Employment Area

Project Name: Barnsley West Commerical Map Reference:

A-1 On-Site Habitat Baseline

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

Area habitat summary	
Total Net Unit Change	24.21
Total Net % Change	22.33%
Trading Rules Satisfied	No - check trading summaries ▲

	Existing area habitats			Distinctiveness		Condition		Strategic significance				Ecological baseline
Ref	Broad Habitat	Habitat Type	Area (hectares)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic Significance multiplier	Required Action to Meet Trading Rules	Total habitat units
1	Cropland	Cereal crops	1.812962819	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 ≥	3.63
2	Cropland	Cereal crops	1.641092851	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 ≥	3.28
3	Cropland	Cereal crops	1.677520549	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 ≥	3.36
4	Urban	Artificial unvegetated, unsealed surface	0.540682109	V.Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Compensation N'ot Required	0.00
5	Grassland	Other neutral grassland	0.013164357	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required (2)	0.12
6	Grassland	Modified grassland	0.702355491	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required ≥	1.62
7	Grassland	Modified grassland	7.755200178	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required ≥	17.84
8	Grassland	Modified grassland	2.026809603	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required ≥	4.66
9	Grassland	Modified grassland	0.811423281	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required ≥	1.87
10	Grassland	Modified grassland	1.253086977	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required ≥	2.88
11	Grassland	Modified grassland	6.219453918	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required ≥	14.30
12	Grassland	Modified grassland	3.759810228	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required ≥	8.65
13	Grassland	Modified grassland	3.725663643	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required ≥	8.57
14	Grassland	Modified grassland	1.184387153	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required ≥	2.72
15	Grassland	Modified grassland	1.376909433	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required ≥	3.17
16	Grassland	Modified grassland	0.061393794	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required ≥	0.14
17	Grassland	Modified grassland	1.868795687	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required ≥	4.30
18	Grassland	Modified grassland	0.634911033	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness or better habitat required ≥	1.46
19	Lakes	Ponds (priority habitat)	0.204355374	High	6	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same habitat required =	2.82
20	Lakes	Ponds (priority habitat)	0.008766804	High	6	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same habitat required =	0.12
21	Sparsely vegetated land	Ta l forbs	1.547355093	Low	2	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same distinctiveness or better habitat required ≥	6.81
22	Sparsely vegetated land	Ta l forbs	1.015115279	Low	2	Good	3	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same distinctiveness or better habitat required ≥	6.70
23	Sparsely vegetated land	Ta l forbs	4.29229E-05	Low	2	Good	3	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same distinctiveness or better habitat required ≥	0.00
24	Heathland and shrub	Mixed scrub	0.100902759	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required (2)	0.93
25	Woodland and forest	Lowland mixed deciduous woodland	0.176183966	High	6	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same habitat required =	2.43
26	Individual trees	Rural tree	0.4587	Medium	4	Good	3	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same broad habitat or a higher distinctiveness habitat required (2)	6.05
27												
28												
29												
30												
31												
		Total habitat area	40.58									108.42
		Site Area (Excluding area of Individual trees and Green walls)	40.12									

	Retention category biodiversity value						Bespoke compensation agreed for unacceptable losses	Comments			
Ref	Area retained	Area enhanced	Baseline units retained	Baseline units enhanced	Area habitat lost	Units lost		User comments	Consenting body comments	GIS reference number
1	0	0	0.00	0.00	1.81	3.63		A1, Commercial		
2	0	0	0.00	0.00	1.64	3.28		A2, Commercial		
3	0	0	0.00	0.00	1.68	3.36		A3, Commercial		
4	0	0	0.00	0.00	0.54	0.00		BG2, Commercial		
5	0	0	0.00	0.00	0.01	0.12		G7, Commercial, LBAP, Condition Criteria = PFPFFP Moderate		
6	0	0	0.00	0.00	0.70	1.62		G10, Commercial, LBAP, Condition Criteria FPFFFFP Poor		
7	0	0	0.00	0.00	7.76	17.84		G15,Commercial, LBAP, Condition Criteria FPFFFFP Poor		
8	0	0	0.00	0.00	2.03	4.66		G16, Commercial, LBAP, Condition Criteria FPFFFFP Poor		
9	0	0	0.00	0.00	0.81	1.87		G17, Commercial, LBAP, Condition Criteria FPFFFFP Poor		
10	0	0	0.00	0.00	1.25	2.88		G18, Commercial, LBAP, Condition Criteria FPFFFFP Poor		
11	0	0	0.00	0.00	6.22	14.30		G19, Commercial, LBAP, Condition Criteria FPFFFFP Poor		
12	0	0	0.00	0.00	3.76	8.65		G20, Commercial, LBAP, Condition Criteria FPFFFFP Poor		
13	0	0	0.00	0.00	3.73	8.57		G21, Commercial, LBAP, Condition Criteria FPFFFFP Poor		
14	0	0	0.00	0.00	1.18	2.72		G22, Commercial, LBAP, Condition Criteria FPFFFFP Poor		
15	0	0	0.00	0.00	1.38	3.17		G23, Commercial, LBAP, Condition Criteria FPFFFFP Poor		
16	0	0	0.00	0.00	0.06	0.14		G24, Commercial,LBAP, Condition Criteria FPFFFFP Poor		
17	0	0	0.00	0.00	1.87	4.30		G25, Commercial, LBAP, Condition Criteria FPFFFFP Poor		
18	0	0	0.00	0.00	0.63	1.46		G26, Commercial, LBAP, Condition Criteria FPFFFFP Poor		
19	0	0	0.00	0.00	0.20	2.82		P2, Commercial, LBAP, Condition Criteria PFFFFFFFP Moderate		
20	0	0	0.00	0.00	0.01	0.12		P3, Commercial, LBAP, Condition Criteria PFFFFFFFP Moderate		
21	0	0	0.00	0.00	1.55	6.81		S1, Commercial, Condition Criteria MTY Moderate		
22	0	0	0.00	0.00	1.02	6.70		S2, Commercial, Condition Criteria YTY Good		
23	0	0	0.00	0.00	0.00	0.00		S3, Commercial, Condition Criteria YTY Good		
24	0	0	0.00	0.00	0.10	0.93		SCS, Commercial, Condition Criteria PFFFP Moderate		
25	0.176184	0	2.43	0.00	0.00	0.00		W3, Commercial, LBAP, Condition Criteria 3,3,3,3,3,3,3,3,3,1,1,1, Total 30 Moderate		
26	0.4587	0	6.05	0.00	0.00	0.00		Commercial. 6 large trees. Condition critera PFFFFP Good		
27										
28										
29										
30										
31										
	0.63	0.00	8.49	0.00	39.94	99.93				

Total area lost (excluding area of Individual trees and Green walls)	39.94

M² to hectares conversion tool:	Select a unit	Hectares	M²

Project Name: Barnsley West Commerical Map Reference:

A-2 On-Site Habitat Creation

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

Area habitat summary	
Total Net Unit Change	24.21
Total Net % Change	22.33%
Trad ng Rules Satisfied	No - check trading summaries ▲
Area Check (excluding individual trees and green walls)	Area Acceptable ✓

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

Post development/ post intervention habitats																						
			Distinctiveness		Condition		Strategic significance			Temporal multiplier						Difficulty multipliers				Habitat units delivered	Comments		
Broad Habitat	Proposed habitat	Area (hectares)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic position 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	Consenting body comments	GIS reference number
Grassland	Other neutral grassland	0 025477869	Medium	4	Moderate	2	Formally identified n local strategy	High strategic s gnificance	1 15	5	0	3	Check details- Delay in starting habitat n required cond tion? ▲	8	0 752	Low	Standard difficu ty applied	Low	1	0 16	C32 Commercial LBAP Condition criteria PTPPTPP Moderate		
Grassland	Other neutral grassland	4 588595809	Medium	4	Moderate	2	Formally identified n local strategy	High strategic s gnificance	1 15	5	0	3	Check details- Delay in starting habitat n required cond tion? ▲	8	0 752	Low	Standard difficu ty applied	Low	1	31 61	C33 Commercial LBAP Condition criteria PTPPP Moderate		
Grassland	Other neutral grassland	0 656254519	Medium	4	Moderate	2	Formally identified n local strategy	High strategic s gnificance	1 15	5	0	3	Check details- Delay in starting habitat n required cond tion? ▲	8	0 752	Low	Standard difficu ty applied	Low	1	4 54	C34 Commercial LBAP Condition criteria PTPPP Moderate		
Grassland	Other neutral grassland	0 040473692	Medium	4	Moderate	2	Formally identified n local strategy	High strategic s gnificance	1 15	5	0	3	Check details- Delay in starting habitat n required cond tion? ▲	8	0 752	Low	Standard difficu ty applied	Low	1	0 28	C36 Commercial LBAP Condition criteria PTPPP Moderate		
Heathland and shrub	Gorse scrub	0 629437687	Medium	4	Moderate	2	Formally identified n local strategy	High strategic s gnificance	1 15	5	0	3	Check details- Delay in starting habitat n required cond tion? ▲	8	0 752	Low	Standard difficu ty applied	Low	1	4 35	SC9 Commercial LBAP Condition criteria PTPP Moderate		
Heathland and shrub	Mixed scrub	0 538955368	Medium	4	Moderate	2	Formally identified n local strategy	High strategic s gnificance	1 15	5	0	3	Check details- Delay in starting habitat n required cond tion? ▲	8	0 752	Low	Standard difficu ty applied	Low	1	3 73	SC10 Commercial LBAP Condit on criteria PTPP Moderate		
Urban	Sustainable drainage system	1 959143067	Low	2	Good	3	Location ecolog cally desirable but not in local strategy	Medium strategic significance	1 1	5	0	3	Check details- Delay in starting habitat n required cond tion? ▲	8	0 752	Medium	Standard difficu ty applied	Medium	0 67	8 51	SUD1 Commercial LBAP Condition cr teria PTPPP Good		
Urban	Developed land: sealed surface	0 195305161	V Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic S gnificance	1	0	0	3	Standard time to target condit on applied	3	0 899	Low	Standard difficu ty applied	Medium	0 67	0 00	U10 Commercial		
Urban	Developed land: sealed surface	0 008017841	V Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic S gnificance	1	0	0	3	Standard time to target condit on applied	3	0 899	Low	Standard difficu ty applied	Medium	0 67	0 00	U11 Commercial		
Urban	Developed land: sealed surface	0 785203907	V Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic S gnificance	1	0	0	3	Standard time to target condit on applied	3	0 899	Low	Standard difficu ty applied	Medium	0 67	0 00	U12 Commercial		
Urban	Developed land: sealed surface	14 48509847	V Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic S gnificance	1	0	0	3	Standard time to target condit on applied	3	0 899	Low	Standard difficu ty applied	Medium	0 67	0 00	U13 Commercial		
Urban	Developed land: sealed surface	1 656231789	V Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic S gnificance	1	0	0	3	Standard time to target condit on applied	3	0 899	Low	Standard difficu ty applied	Medium	0 67	0 00	U15 Commer cial		
Urban	Developed land: sealed surface	1 292193131	V Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic S gnificance	1	0	0	3	Standard time to target condit on applied	3	0 899	Low	Standard difficu ty applied	Medium	0 67	0 00	U16 Commer cial		
Urban	Developed land: sealed surface	0 963442597	V Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic S gnificance	1	0	0	3	Standard time to target condit on applied	3	0 899	Low	Standard difficu ty applied	Medium	0 67	0 00	U17 Commer cial		
Urban	Developed land: sealed surface	4 739306763	V Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic S gnificance	1	0	0	3	Standard time to target condit on applied	3	0 899	Low	Standard difficu ty applied	Medium	0 67	0 00	U18 Commer cial		
Urban	Developed land: sealed surface	1 301 158466	V Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic S gnificance	1	0	0	3	Standard time to target condit on applied	3	0 899	Low	Standard difficu ty applied	Medium	0 67	0 00	U19 Commer cial		
Urban	Developed land: sealed surface	0 295903641	V Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic S gnificance	1	0	0	3	Standard time to target condit on applied	3	0 899	Low	Standard difficu ty applied	Medium	0 67	0 00	U20 Commer cial		
Urban	Developed land: sealed surface	0 61746664	V Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic S gnificance	1	0	0	3	Standard time to target condit on applied	3	0 899	Low	Standard difficu ty applied	Medium	0 67	0 00	U21 Commer cial		
Urban	Developed land: sealed surface	0 048604463	V Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic S gnificance	1	0	0	3	Standard time to target condit on applied	3	0 899	Low	Standard difficu ty applied	Medium	0 67	0 00	U22 Commer cial		
Woodland and forest	Other woodland: mixed	5 137277649	Medium	4	Moderate	2	Location ecolog cally desirable but not in local strategy	Medium strategic significance	1 1	30	0	3	Check details- Delay in starting habitat n required cond tion? ▲	30+	0 320	Low	Standard difficu ty applied	Low	1	14 46	W8 Commercial Condition criteria 4333313131113 26539 Moderate		
Indiv dual trees	Rural tree	11 621	Medium	4	Moderate	2	Location ecolog cally desirable but not in local strategy	Medium strategic significance	1 1	27	0	3	Check details- Delay in starting habitat n required cond tion? ▲	30	0 343	Low	Standard difficu ty applied	Low	1	35 12	I32 Large Trees Type 1 Commercial PTPTP Moderate		
Indiv dual trees	Rural tree	3 3346	Medium	4	Moderate	2	Location ecolog cally desirable but not in local strategy	Medium strategic significance	1 1	27	0	3	Check details- Delay in starting habitat n required cond tion? ▲	30	0 343	Low	Standard difficu ty applied	Low	1	10 08	I31 Medium Trees Type 2 Commercial PTPTP Moderate		
Indiv dual trees	Rural tree	4 3972	Medium	4	Moderate	2	Location ecolog cally desirable but not in local strategy	Medium strategic significance	1 1	27	0	3	Check details- Delay in starting habitat n required cond tion? ▲	30	0 343	Low	Standard difficu ty applied	Low	1	13 29	I30 Medium Trees Type 3 Commercial PTPTP Moderate		
	Total habitat area	59 39																	Total Units	134 14			

Site Area (Exclud ng area of Individual trees and Green walls)	39 94		
M² to hectares convers on tool	Select a unit	Hectares	M²

Project Name: Barnsley West Commerical	Map Reference:
B-1 On-Site Hedge Baseline	

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

Hedgerow summary	
Total Net Unit Change	11.17
Total Net % Change	52.91%
Trading Rules Satisfied	No - check trading summary ▲

	Existing hedgerow habitats			Distinctiveness		Condition		Strategic significance			Required Action to Meet Trading Rules	Ecological baseline
Baseline ref	Hedge number	Hedgerow type	Length (km)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic position multiplier		Total hedgerow units
1	H1	Native hedgerow	0.042634	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	0.20
2	H17c	Native hedgerow	0.2019201	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	0.93
3	H18	Native hedgerow	0.0158616	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	0.07
4	H20	Native hedgerow	0.1501066	Low	2	Good	3	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	1.04
5	H20a	Ecologically valuable line of trees	0.0732193	Medium	4	Moderate	2	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same distinctiveness band or better	0.66
6	H21	Native hedgerow	0.2259849	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	1.04
7	H22	Native hedgerow with trees	0.1578812	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	1.45
8	H23	Native hedgerow	0.1935776	Low	2	Good	3	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	1.34
9	H24	Species-rich native hedgerow	0.1588803	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	1.46
10	H25	Species-rich native hedgerow	0.1142736	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	1.05
11	H26	Species-rich native hedgerow	0.2089751	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	1.92
12	H27	Species-rich native hedgerow	0.1476836	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	1.36
13	H28	Species-rich native hedgerow	0.458402	Medium	4	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	4.22
14	H29	Native hedgerow with trees - associated with bank or ditch	0.2169245	High	6	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Like for like or better	1.50
15	H30	Native hedgerow	0.1650585	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	0.38
16	H31	Native hedgerow	0.0770525	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	0.18
17	H32	Native hedgerow	0.1756644	Low	2	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	0.40
18	H34	Native hedgerow	0.2766746	Low	2	Moderate	2	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	1.27
19	H35	Native hedgerow with trees	0.139663	Medium	4	Poor	1	Formally identified in local strategy	High strategic significance	1.15	Same distinctiveness band or better	0.64
20												
21												
22												
23												
24												
			3.20									21.11

	Retention category biodiversity value						Comments		
Baseline ref	Length retained	Length enhanced	Units retained	Units enhanced	Length lost	Units lost	User comments	Consenting body comments	GIS reference number
1	0	0	0.00	0.00	0.04	0.20	H1, Commercial, LBAP, Condition Criteria PFFFFFFP Moderate		
2	0	0.2019201	0.00	0.93	0.00	0.00	H17c, Commercial, LBAP, Condition Criteria PFFFFFFP Moderate		
3	0	0	0.00	0.00	0.02	0.07	H18, Commercial, LBAP, Condition Criteria PFFFFFFP Moderate		
4	0	0	0.00	0.00	0.15	1.04	H20, Commercial, LBAP, Condition Criteria PFFFFFFP Moderate		
5	0	0	0.00	0.00	0.08	0.66	H20a, Commercial, Condition Criteria PFFFP Moderate		
6	0	0	0.00	0.00	0.23	1.04	H21, Commercial, S41 and LBAP, Condition Criteria PFFFFFFP Moderate		
7	0	0	0.00	0.00	0.16	1.45	H22, Commercial, S41 and LBAP, Condition Criteria PFFFFFFP F Moderate		
8	0	0	0.00	0.00	0.19	1.34	H23, Commercial, S41 and LBAP, Condition Criteria PFFFFFFP Good		
9	0	0	0.00	0.00	0.16	1.46	H24, Commercial, S41 and LBAP, Condition Criteria PFFFFFFP Moderate		
10	0	0	0.00	0.00	0.11	1.05	H25, Commercial, S41 and LBAP, Condition Criteria PFFFFFFP Moderate		
11	0	0	0.00	0.00	0.21	1.92	H26, Commercial, S41 and LBAP Condition Criteria PFFFFFFP Moderate		
12	0	0	0.00	0.00	0.15	1.36	H27, Commercial, S41 and LBAP, Condition Criteria PFFFFFFP Moderate		
13	0	0	0.00	0.00	0.46	4.22	H28, Commercial, S41 and LBAP, Condition Criteria PFFFFFFP Moderate		
14	0	0	0.00	0.00	0.22	1.50	H29, Commercial, S41 and LBAP, Condition Criteria PFFFFFFP Poor		
15	0	0	0.00	0.00	0.17	0.38	H30, Commercial, S41 and LBAP, Condition Criteria PFFFFFFP Poor		
16	0	0	0.00	0.00	0.08	0.18	H31, Commercial, S41 and LBAP, Condition Criteria PFFFFFFP Poor		
17	0	0	0.00	0.00	0.18	0.40	H32, Commercial, S41 and LBAP, Condition Criteria PFFFFFFP Poor		
18	0	0	0.00	0.00	0.28	1.27	H34, Commercial, S41 and LBAP, Condition Criteria PFFFFFFP Moderate		
19	0	0	0.00	0.00	0.14	0.64	H35, Commercial, S41 and LBAP, Condition Criteria PFFFFFFFFP Poor		
20									
21									
22									
23									
24									
	0.00	0.20	0.00	0.93	3.00	20.18			

Project Name: Barnsley West Commerical	Map Reference:
B-2 On-Site Hedge Creation	

Condense / Show Columns | Condense / Show Rows

Main Menu | Instructions

Hedgerow summary	
Total Net Unit Change	11.17
Total Net % Change	82.91%
Trading Rules Satisfied	No - check trading summary ▲

	Proposed habitats			Distinctiveness		Condition		Strategic significance			Temporal multiplier						Difficulty risk multipliers				Hedge units delivered	Comments		
Baseline ref	New hedge number	Habitat type	Length (km)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic position 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	Consenting body comments	GIS reference number
1	H36	Species-rich native hedgerow	0.123806	Medium	4	Good	3	Formally identified in local s rategy	High strategic significance	1.15	12	0	3	Check details- Delay in starting habi at in required condition? ⚠	15	0.686	Low	Standard difficulty applied	Low	1	1.00	Commercial. S41 and LBAP. Condition criteria PPPPPPPP Good		
2	H38	Species-rich native hedgerow	1.286814	Medium	4	Good	3	Formally identified in local s rategy	High strategic significance	1.15	12	0	3	Check details- Delay in starting habi at in required condition? ⚠	15	0.686	Low	Standard difficulty applied	Low	1	10.41	Commercial. S41 and LBAP. Condition criteria PPPPPPPP Good		
3	H40	Species-rich native hedgerow	2.237032	Medium	4	Good	3	Formally identified in local s rategy	High strategic significance	1.15	12	0	3	Check details- Delay in starting habi at in required condition? ⚠	15	0.686	Low	Standard difficulty applied	Low	1	18.39	Commercial. S41 and LBAP. Condition criteria PPPPPPPP Good		
4																								
5																								
6																								
7																								
8																								
			3.68																		29.80			

Project Name: Barnsley West Commerical | Map Reference

B-3 On-Site Hedge Enhancement

Condense / Show Columns | Condense / Show Rows

Main Menu | Instructions

Hedgerow summary	
Total Net Unit Change	11.17
Total Net % Change	53.81%
Trading Rules Satisfied	No - check trading summary ⚠

Baseline Habitats

Baseline ref	Baseline habitat	Length (km)	Baseline distinctiveness band	Baseline distinctiveness score	Baseline condition category	Baseline condition score	Baseline strategic significance category	Baseline strategic significance score	Baseline habitat units	Required Action to Meet Trading Rules
1	Native hedgerow	0.20192	Low	2	Moderate	2	High strategic significance	1.15	0.928832442	Same distinctiveness band or better

Post development/post intervention habitats

Baseline ref	Proposed (Pre-populated but can be overridden)	Change in distinctiveness and condition: Distinctiveness movement	Change in distinctiveness and condition: Condition movement	Length (km)	Distinctiveness	Distinctiveness score	Condition	Condition score	Strategic significance	Strategic significance category	Strategic position multiplier
1	Species-rich native hedgerow	Low - Medium	Lower Distinctiveness Habitat - Good	0.201921	Medium	4	Good	3	Formally identified in local strategy	High strategic significance	1.15
Total				0.20							

Baseline ref	Temporal multiplier: Standard Time to target condition (years)	Habitat enhanced in advance (years)	Delay in starting habitat enhancement (years)	Standard or adjusted time to target condition	Final time to target condition (years)	Final Time to target multiplier	Difficulty risk multipliers: Standard difficulty of enhancement	Applied difficulty multiplier	Final difficulty of enhancement	Difficulty multiplier applied	Hedge units delivered	Comments: User comments	Consenting body comments	Off-site reference number
1	5	0	0	Standard time to target condition applied	5	0.837	Low	Standard difficulty applied	Low	1	2.48	Hedgerows to be gapped up using a mix of native species and maintained at 3m height. RPA outlined in BEMP		
Total											2.48			

Project Name: Barnsley West Commerical Map Reference:

C-1 On-Site WaterC' Baseline

Condense / Show Columns | Condense / Show Rows

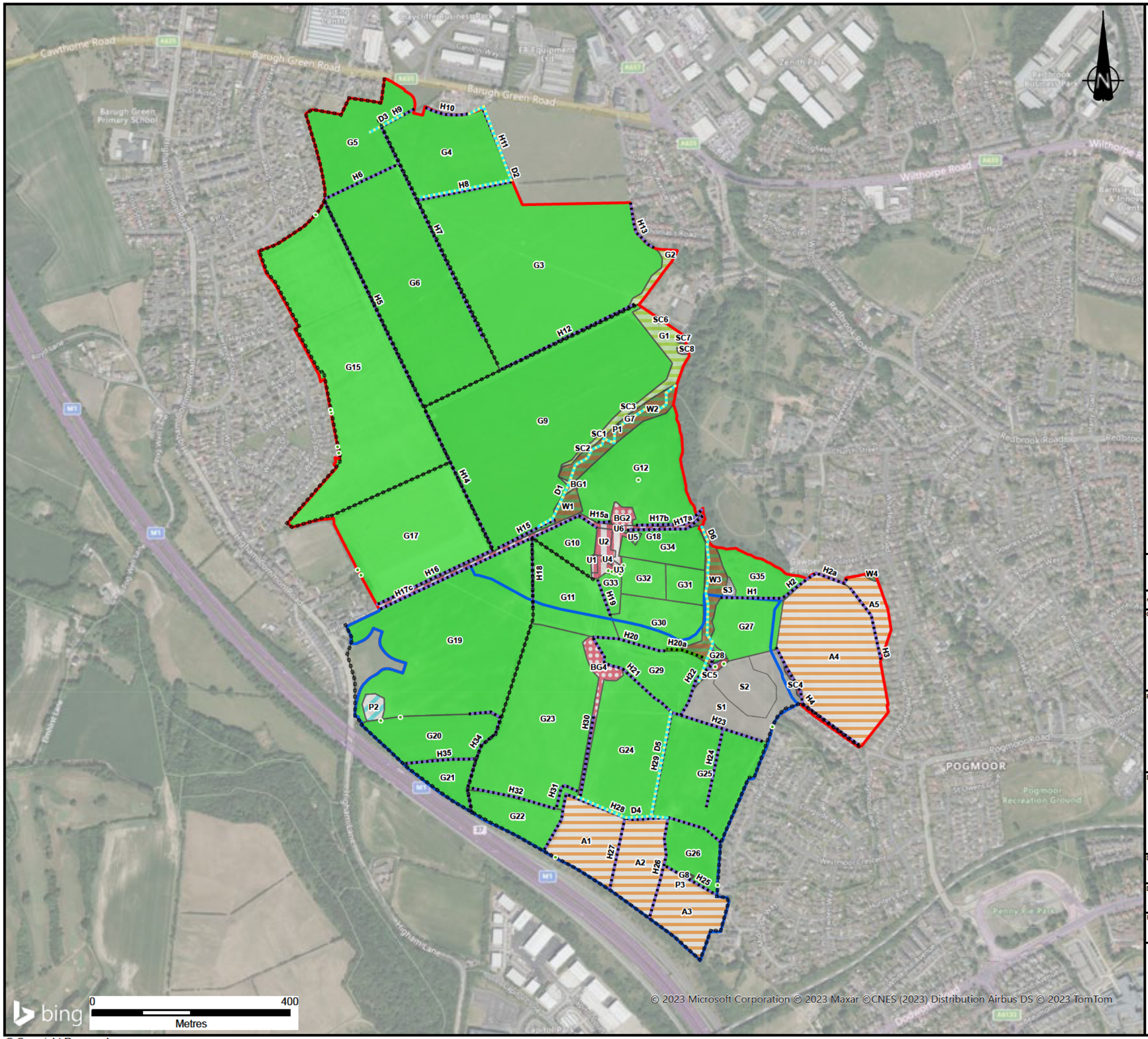
Main Menu | Instructions

Watercourse summary	
Total Net Unit Change	-3.56
Total Net % Change	-71.46%
Trading Rules Satisfied	No - check trading summary ▲

⚠ A 'Fairly' Category has been used - check evidence to ensure this is appropriate ⚠

Existing watercourse type			Distinctiveness		Condition		Strategic significance			Watercourse encroachment		Riparian encroachment		Required Action to Meet Trading Rules	Ecological baseline	Retention category biodiversity value						Bespoke compensation agreed for unacceptable losses	Comments		
Baseline 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	Consenting body comments	GIS reference number
1	Ditches	0.1912313	Medium	4	Poor	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	No Encroachment	1	No Encroachment/ No Encroachment	1	Same habitat required =	0.84	0	0	0.00	0.00	0.19	0.84		D4. Commerical Condition Criteria = FFFFFF Poor.		
2	Ditches	0.2148975	Medium	4	Poor	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	No Encroachment	1	No Encroachment/ No Encroachment	1	Same habitat required =	0.94	0	0	0.00	0.00	0.21	0.94		D5. Commerical. Condition Criteria = FFFFFF Poor.		
3	Other rivers and streams	0.1952616	High	6	Fairly Good	2.5	Formally identified in local strategy	High strategic significance	1.15	No Encroachment	1	No Encroachment/ No Encroachment	1	Same habitat required =	3.20	0.08242756	0	1.42	0.00	0.10	1.77		D6. Commerical. LEAF. See River Condition Assessment for full details.		
4																									
5																									
6																									
7																									
8																									
		0.59													4.98	0.09	0.00	1.42	0.00	0.51	3.56				

DRAWINGS



KEY

- Residential Site Boundary
- Commerical Site Boundary
- c1c - cereal crops (A)
- g3c - other neutral grassland (G)
- g4 - modified grassland (G)
- h3 - dense scrub (SC)
- r1 - standing open water and canals (P)
- s - sparsely vegetated land (S)
- u1b - developed land, sealed surface (U)
- u1c - artificial unvegetated unsealed surface (BG)
- w1f - lowland mixed deciduous woodland (w)
- h2a - hedgerow (priority habitat) (H)
- r1e - canal or ditch (D)
- w1g6 - line of trees (H)
- Fence
- Rural Trees

Notes:

Boundaries are indicative.

Aerial imagery shown for context purposes only.

REV SION	DETAILS	DATE	DRAWN	CHK'D	APP'D

CLIENT

STRATA STERLING BARNSLEY WEST LTD

PROJECT

BARNSLEY WEST

DRAWING TITLE

UKHAB HABITAT PLAN

DRG No.		REV
LD10361/003		A
DRG SIZE	SCALE	DATE
A3	1:7,500	12/10/2023
DRAWN BY	CHECKED BY	APPROVED BY
SRW	AD	TP

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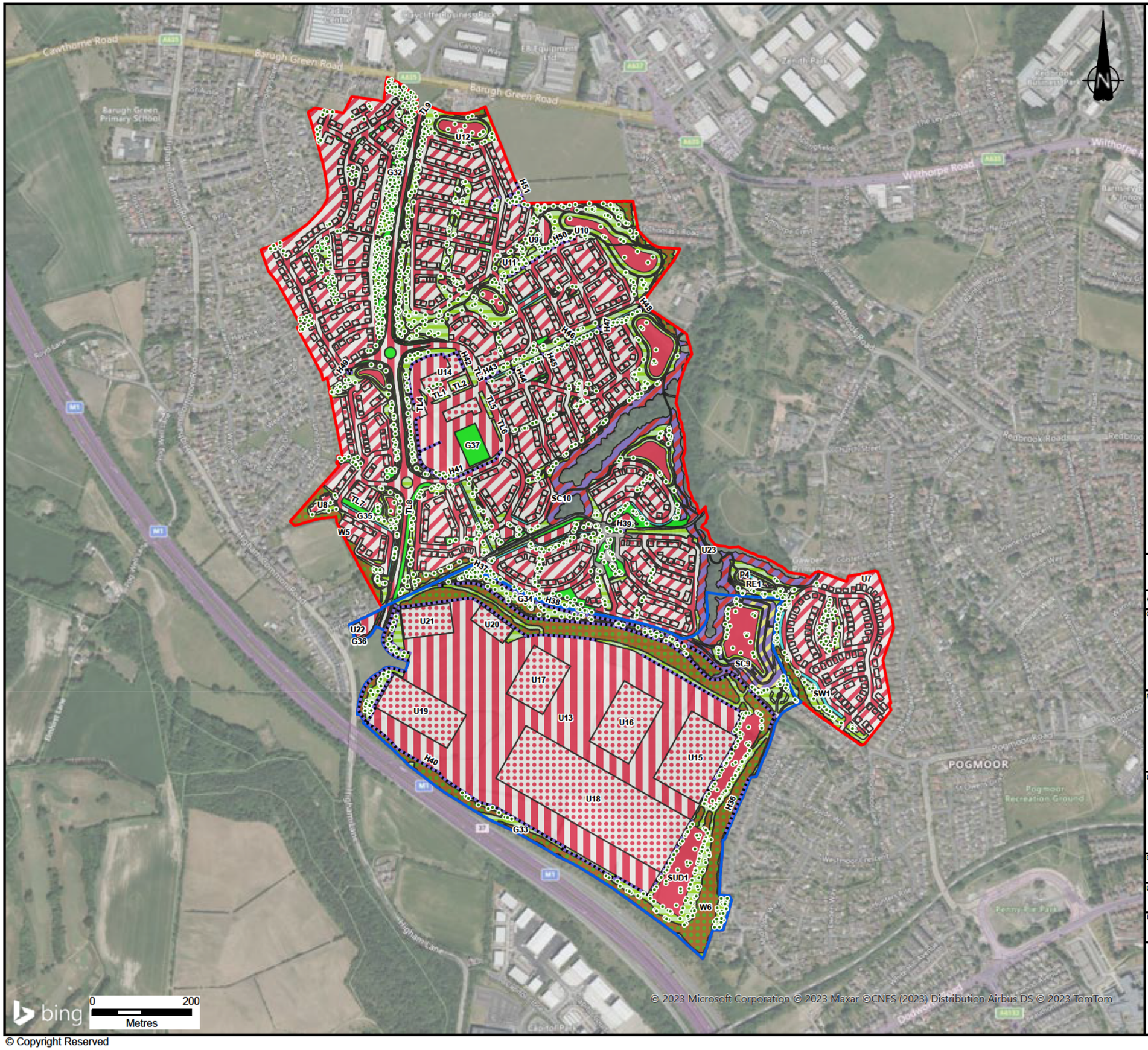

KEY

- Residential Site Boundary
- Commercial Site Boundary
- f2e - reedbeds (RE)
- g3c - other neutral grassland (G)
- g4 - modified grassland (G)
- h3h - mixed scrub (SC)
- h3e - gorse shrub (SC)
- r1g - swales (SW)
- r1 - standing open water and canals (P)
- u - urban (SUD)
- u1 - built-up areas and gardens (U)
- u1b - developed land, sealed surface (U)
- u1b5 - buildings (U)
- u1c - artificial unvegetated unsealed surface (U)
- w1h - other woodland, mixed (W)
- h2a - hedgerow (priority habitat) (H)
- Rural Trees

Notes:

Boundaries are indicative.

Aerial imagery shown for context purposes only.

Information obtained from Drawing P11754-00-001-GIL-0100-09 Strategic Landscape Masterplan

REV SION	DETAILS	DATE	DRAWN	CHK'D	APP'D

CLIENT

STRATA STERLING BARNSLEY WEST LTD

PROJECT

BARNSLEY WEST

DRAWING TITLE

BIODIVERSITY NET GAIN - HABITAT CREATION

DRG No.		REV
LD10361/024		A
DRG SIZE	SCALE	DATE
A3	1:7,500	16/10/2023
DRAWN BY	CHECKED BY	APPROVED BY
SRW	AD	TP

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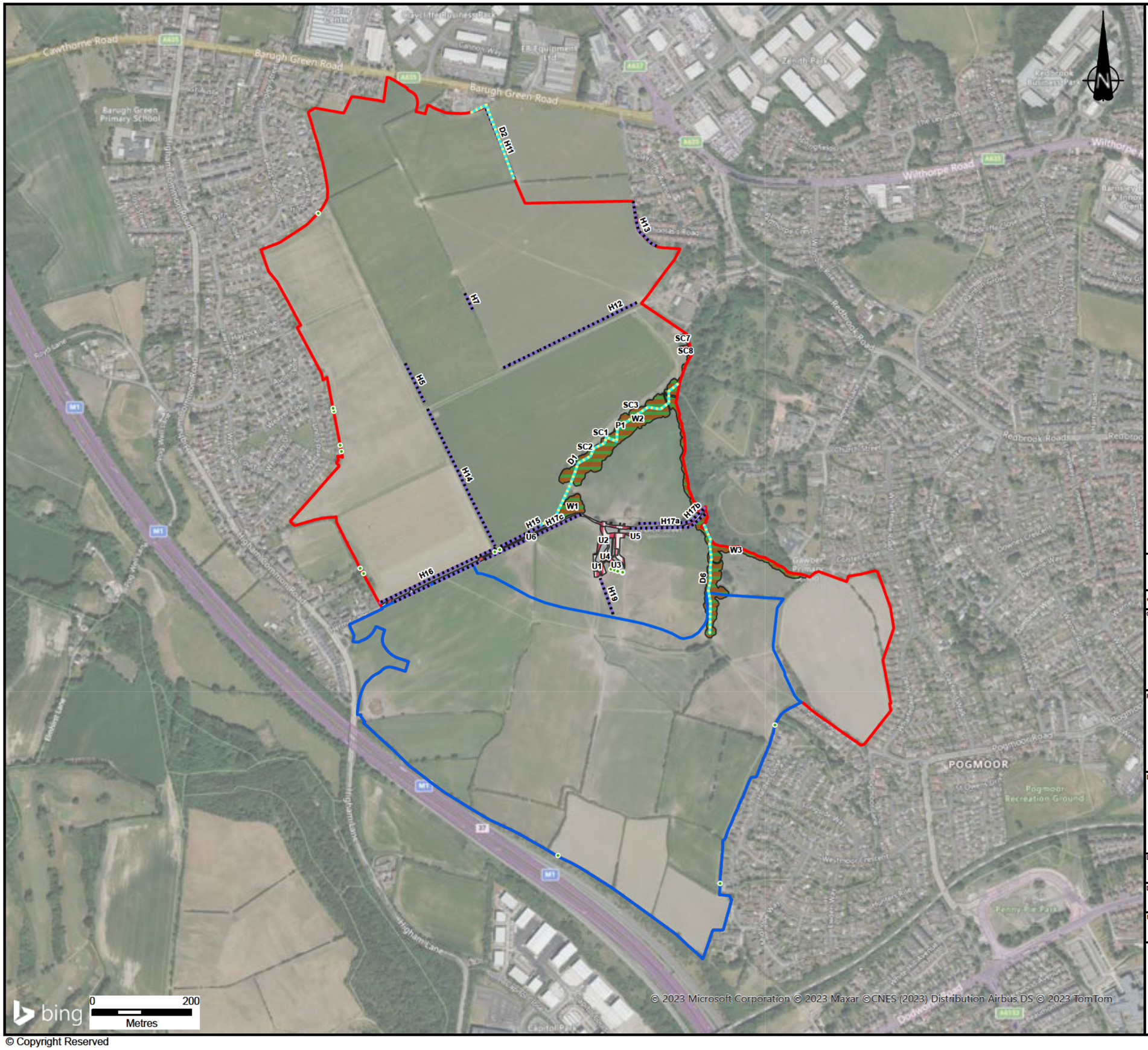

KEY

- Residential Site Boundary
- Commercial Site Boundary
- h3 - dense scrub (SC)
- r1 - standing open water and canals (P)
- u1b - developed land, sealed surface (U)
- w1f - lowland mixed deciduous woodland (W)
- h2a - hedgerow (priority habitat) (H)
- r1e - canal or ditch (D)
- Rural Trees

Notes:

Boundaries are indicative.

Aerial imagery shown for context purposes only.

Information obtained from Drawing P11754-00-001-GIL-0100-09 Strategic Landscape Masterplan

REV SION	DETAILS	DATE	DRAWN	CHK'D	APP'D

CLIENT

STRATA STERLING BARNSLEY WEST LTD

PROJECT

BARNSLEY WEST

DRAWING TITLE

BIODIVERSITY NET GAIN - HABITAT RETENTION

DRG No.		REV
LD10361/025		A
DRG SIZE	SCALE	DATE
A3	1:7,500	16/10/2023
DRAWN BY	CHECKED BY	APPROVED BY
SRW	AD	TP

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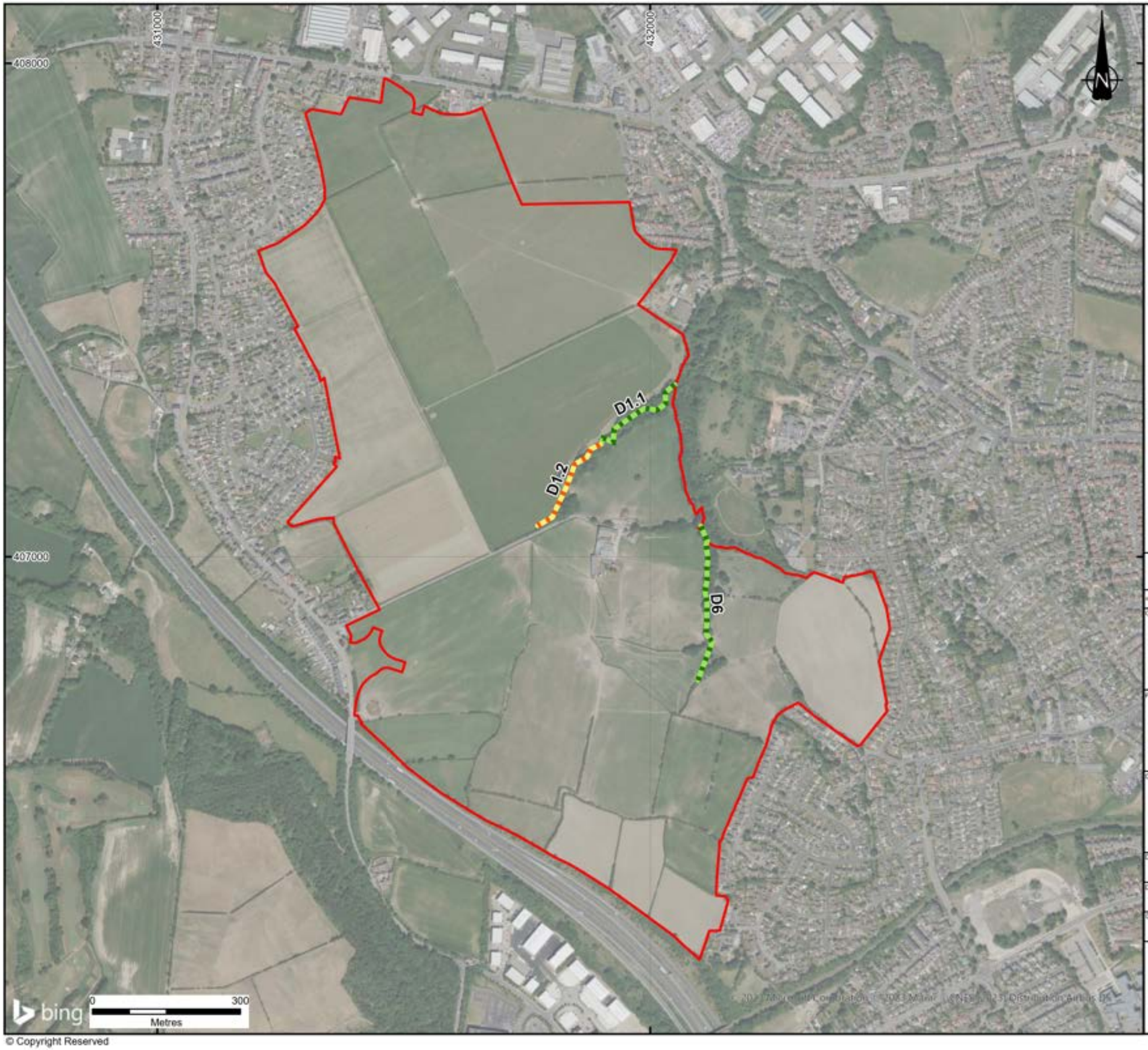

KEY

Residential Site Boundary

MoRPh Survey Results

Fairly Good

Moderate

Notes:

Boundaries are indicative. Aerial imagery shown for context purposes only.

REVISION	DETAILS	DATE	DRAWN	CHKD	APPD

CLIENT

STRATA STERLING BARNSLEY WEST LTD

PROJECT

BARNSLEY WEST

DRAWING TITLE

MORPH SURVEY RESULTS PLAN

DRG No	REV	SUIT. CODE
LD10361/032	A	--

DRG SIZE	SCALE	DATE
A3	1:7,500	16/08/2023

DRAWN BY	CHECKED BY	APPROVED BY
EK	TA	TA

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