

Biodiversity Metric Calculation (Defra ver 2.0) - Overview Sheet

Project Name	Mathers Foundry, Manchester
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TEP Spreadsheet Reference	x8035.01.001
Revision	v2.0
Date	12/02/2021
National Grid Reference	SD 87076 00049
Summary of Proposed Development	Demolition of existing buildings and construction of 12 warehouse units and associated infrastructure.

Brief description of the site and baseline habitats	<p>The site comprises existing industrial buildings and hardstanding habitats. These areas are bordered to the north and south-east by modified neutral grassland and dense/scattered scrub. To the south of the existing buildings is a hardstanding access road, with a mosaic of modified neutral grassland, dense and scattered scrub and ephemeral/short perennial vegetation to the west. Beyond this is a large modified neutral grassland field bordered by dense scrub. Scattered broad-leaved trees are present across the site. A short, outgrown ornamental hedgerow is present to the south of the buildings.</p> <p>The surrounding habitats comprise predominantly existing residential and commercial/industrial development. The Rochdale Canal runs alongside the site boundary to the north-west.</p>
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Summarise any designated sites or areas identified in local policy or strategy for ecological enhancement	<p>There are several statutory designated sites within 5 km of the site, but no impacts on these designations are anticipated from the proposed development due to the distance between these designations and the proposals.</p> <p>There are two non-statutory locally designated site within 1 km of the site. The closest of these is Rochdale Canal Stott's Lane-Ducie Street Basin Site of Biological Importance (SBI), located 10 m to the north of the site and designated for its habitats and species including floating water plantain. Best practice pollution prevention measures will be implemented to protect this site during construction works. Bank Bridge Meadow SBI is located approximately 670 m to the south and is designated for its river valley grassland habitats. No impacts to this designation are anticipated.</p> <p>There are no areas of priority habitat on or within influencing distance of the site.</p>
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Summary of Biodiversity Change and whether Biodiversity Net Gain is achieved within the site boundary. Refer to and summarise the Detailed Results Page in lay terms	<p>The current proposals will result in a net loss of 6.04 (42.69%) habitat units and a net gain of 3.06 hedgerow units.</p> <p>The calculations to achieve these figures is based on several assumptions, listed below.</p>
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Sources of Evidence: Reports (list the surveys that have informed the assessment, giving dates, report title and reference number)	8035.01.002v2 Mathers Foundry Ecological Assessment (TEP, February 2021).
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Sources of Evidence: Baseline Habitat Mapping (provide Map title, reference and version number and indicate if map is inserted in spreadsheet)	G8035.01.002A Phase 1 Habitat Survey (February 2021)
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Sources of Evidence: Proposed Habitat Mapping and long-term management (provide landscape masterplan and/or management plan map or report title and reference and indicate if inserted in spreadsheet)	<p>SK048 Rev A Proposed Site Plan (Hale Architects, January 2021)</p> <p>20-93-05 Rev B Planting Plan (BEA Landscape Design Ltd, February 2021)</p>
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REFERENCE PLANS - THIS COLUMN PROVIDES LARGE THUMBNAIL STYLE IMAGES FOR KEY PLANS, MAPS AND DRAWINGS USED FOR BIODIVERSITY CALCULATION
 These are presented as an aid to reading the overview, but if very detailed analysis is needed, the actual source document is referenced in the overview text.



<p>Methods of Assessment: Justify or clarify choice of habitat types, allocation of condition and strategic significance (if not explained in Assessor Comments)</p>	<p>Baseline habitats and hedgerows have been assessed from Target Notes produced by TEP during Phase 1 habitat surveys undertaken in January 2020, August 2020 and January 2021.</p> <p>It was noted during the survey of the two new parcels of land incorporated into the revised red line boundary in January 2021 that buildings B2 - B7 on site were in the process of being demolished. However, the metric has been based on habitats that were present on site before any demolition works had taken place to provide an accurate baseline.</p> <p>The planting mixes provided for each of the post-development habitat types have been used to inform the UK Hab categorisation and condition assessment. Consideration has also been given to what can realistically be achieved on site, given the previous industrial use of the site and its location within an urban environment.</p> <p>It is assumed where no planting information has been provided in the landscaping scheme (e.g. south-east corner of the site), and where no development works are indicated on the proposed site plan, these habitats will be retained in their current condition.</p> <p>Strategic significance has been set at Low, owing to the isolated nature of the site within an urban environment and limited connectivity between the site and other habitats in the wider area. Although the Rochdale Canal adjacent to the western site boundary is designated an SBI and provides some connectivity to the west and east, due to the levels of disturbance on site it is not considered that the strategic significance of the site meets the criteria for Moderate or High.</p>
<p>Section A: On-site Habitats - Explain the assessments and judgements made for the baseline, creation, enhancement and succession elements (if not explained in Assessor Comments) Comment on any differences in area between habitats lost and habitats created.</p>	<p>The rationale for assigning conditions to the baseline and created habitats on site are listed in the assessor comments sections. As noted above, the condition of habitats to be created has been predicted from the planting mix to be used and what is likely to be achieved on site given the previous use of the site.</p> <p>The individual scattered broad-leaved trees on site have not been incorporated into the baseline habitat calculations due to the lack of available tree canopy area information. Similarly the contribution of the individual scattered trees to be planted across the site (47) has not been assessed.</p>
<p>Section B: On-site Hedgerows - Explain the assessments and judgements made (if not explained in Assessor Comments)</p>	<p>One non-native ornamental hedgerow currently present on site is due to be lost as part of the proposed development.</p> <p>The condition of the hedgerows to be created on site has been based on the proposed planting mix and the adjacent habitats.</p>
<p>Section C: On-site Rivers and Streams - Explain the assessments and judgements made (if not explained in Assessor Comments)</p>	<p>N/A</p>
<p>Section D: Off-site Habitats - Explain the assessments and judgements made for the baseline, creation, enhancement and succession elements (if not explained in Assessor Comments) Comment on any differences in area between habitats lost and habitats created.</p>	<p>N/A</p>
<p>Section E: Off-site Hedgerows - Explain the assessments and judgements made (if not explained in Assessor Comments)</p>	<p>N/A</p>
<p>Section F: Off-site Rivers and Streams - Explain the assessments and judgements made (if not explained in Assessor Comments)</p>	<p>N/A</p>
<p>How has the Mitigation Hierarchy been applied during the planning and design of the scheme?</p>	<p>Habitats present within the site boundary that are not subject to development have been retained, and impacts on these retained habitats will either be avoided (e.g. dense scrub adjacent to the Rochdale Canal) or minimised (e.g. modified neutral grassland in the south-west of the site). Some on-site mitigation has been proposed to mitigate for the loss of habitats currently present on site, although this will not be sufficient to achieve net gain on site and therefore off-site mitigation, or a financial contribution, will be required.</p>

Summarise any other proposed enhancements outside the scope of the Defra metric e.g. bat/bird boxes, Sensitive Lighting Strategy, etc.	It is recommended in the Ecological Assessment that bat, bird and insect boxes are incorporated into the scheme, as well as incorporation of a sensitive lighting strategy and hedgehog holes under fences. It is also recommended that habitat piles are created and these could be located within the retained grassland habitat in the north-east of the site.
How will Biodiversity Net Gain to the targeted % (usually 10%) be achieved (if not achieved within site boundary)	The client is seeking to achieve 10% biodiversity net gain by providing a financial contribution to a third party landowner for the biodiversity offsetting. Consultation should be held with Manchester City Council and GMEU to agree a suitable site and the financial contribution required.
Any Other Comments e.g. explain any other assumptions or caveats. Explain any discrepancies in area measurements and note whether these are significant for the impact assessment	The hedgerow unit calculation is showing an error "check data". This has been reviewed and no fault with the input data has been found. However, it is anticipated that a net gain of hedgerows will be achieved on site.

The Biodiversity Metric 2.0 - Calculation Tool

Start page

Project details

Planning authority:	Manchester City Council
Project name:	Mathers Foundry
Applicant:	Canmoor Developments Ltd
Application type:	
Planning application reference:	
Assessor:	Cameron Campbell
Reviewer:	Peter Bonney
Revision:	V2.0
Assessment date:	12/02/2021
Planning authority reviewer:	

Cell style conventions

	Enter data
	Automatic lookup
	Result

Instructions

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Results

View all

Reset view

The Biodiversity Metric 2.0 - Calculation Tool

Main menu

Street tree helper		
Tree size	Tree number	Area
Small		0.0000
Medium	47	0.1913
Large		0.0000
Total	47.00	0.1913

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- Instructions
- Technical data
- Results

Start here



On-site baseline

- A-1 On-site habitat
- B-1 On-site hedge
- C-1 On-Site river baseline

On-site post development

- A-2 Habitat creation
- A-3 Habitat enhancement
- A-4 Habitat accelerated succession
- B-2 Hedgerow creation
- B-3 Hedgerow enhancement
- C-2 River creation
- C-3 River enhancement

Off-site baseline

- D-1 Off-site habitat
- E-1 Off-site hedge baseline
- F-1 Off-site river baseline

Off-Site post development

- D-2 Habitat creation
- D-3 Habitat enhancement
- D-4 Habitat accelerated succession
- E-2 Hedgerow creation
- E-3 Hedgerow enhancement
- F-2 River creation
- F-3 River enhancement

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Headline Results

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On-site baseline	<i>Habitat units</i>	14.14
	<i>Hedgerow units</i>	0.00
	<i>River units</i>	0.00
On-site post-intervention (Including habitat retention, creation, enhancement & succession)	<i>Habitat units</i>	8.10
	<i>Hedgerow units</i>	3.35
	<i>River units</i>	0.00
Off-site baseline	<i>Habitat units</i>	0.00
	<i>Hedgerow units</i>	0.00
	<i>River units</i>	0.00
Off-site post-intervention (Including habitat retention, creation, enhancement & succession)	<i>Habitat units</i>	0.00
	<i>Hedgerow units</i>	0.00
	<i>River units</i>	0.00
Total net unit change (including all on-site & off-site habitat retention/creation)	<i>Habitat units</i>	-6.04
	<i>Hedgerow units</i>	3.35
	<i>River units</i>	0.00

Total net % change

(including all on-site & off-site habitat creation + retained habitats)

Habitat units

-42.69%

Hedgerow units

Check Data

River units

0.00%

Coastal lagoons	0.0	0.0	0.0	0.0	0.0	0.0
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Habitat group	Baseline		Combined Post development			Combined change
	Existing area	Existing value	Proposed area	Proposed value	Proposed area	Proposed value
Cropland	0.0	0.0	0.0	0.0	0.0	0.0
Grassland	4.3	7.9	-3.4	-4.0	-7.7	-11.9
Heathland and shrub	1.2	4.4	-0.6	-1.0	-1.8	-5.4
Rivers and lakes	0.0	0.0	0.0	0.0	0.0	0.0
Sparsely vegetated land	0.1	0.2	-0.1	-0.2	-0.2	-0.3
Urban	4.6	0.5	4.0	0.4	-0.6	-0.1
Wetland	0.0	0.0	0.0	0.0	0.0	0.0
Woodland and forest	0.0	0.0	0.0	0.0	0.0	0.0
Intertidal sediment	0.0	0.0	0.0	0.0	0.0	0.0
Coastal saltmarsh	0.0	0.0	0.0	0.0	0.0	0.0
Rocky shore	0.0	0.0	0.0	0.0	0.0	0.0
Coastal lagoons	0.0	0.0	0.0	0.0	0.0	0.0

Mathers Foundry
A-1 Site Habitat Baseline

Conditional / Show Columns Conditional / Show Rows
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Ref	Broad Habitat	Habitats and areas			Habitat distinctiveness		Habitat condition		Ecological connectivity			Strategic significance			Suggested action to address habitat losses	Ecological baseline Total habitat units	Retention category biodiversity value						Bespoke compensation agreed for unacceptable losses	Comments		
		Habitat type	Area (hectares)	Distinctiveness	Score	Condition	Score	Ecological connectivity	Connectivity	Connectivity multiplier	Strategic significance	Strategic significance	Strategic position multiplier	Area retained			Area enhanced	Area succession	Baseline units retained	Baseline units enhanced	Baseline units succession	Area lost		Units lost	Assessor comments	Reviewer comments
1	Urban	Urban - Developed land/ sealed surface	4.38	V.Low	0	N/A - Other	0	N/A	Assessment not appropriate		1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Compensation Not Required	0.00	1.81	0	0	0.00	0.00	0.00	2.57	0.00	Buildings and hardstanding. Based on GIS calculations of areas shown in the Phase 1 habitat plan (TEP ref: GR035.01.002A). Condition assessment is not required for this habitat type and should be allocated 0 for condition. This also applies to ecological connectivity. Bespoke compensation not required.	
2	Grassland	Grassland - Modified grassland	4.31	Low	2	Poor	1	Low	Unconnected habitat		1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Some distinctiveness or better habitat required	6.62	0.37	0	0	0.74	0.00	0.00	3.94	7.88	Modified neutral grassland at TNS, TNE and TNE. Based on GIS calculations of areas shown in the Phase 1 habitat plan (TEP ref: GR035.01.002A). "Grassland" condition assessment in the Technical Supplement used. The grassland at TNS, TNE and TNE fails four of the six condition criteria (1, 2, 3, 5), while TNE fails three (instead meeting condition 5, due to presence of bare ground). In addition all grassland habitats on site are classified as an amenity grassland with similar species to description for agriculture grasslands. Therefore classified as poor condition. Bespoke compensation not required.	
3	Heathland and shrub	Heathland and shrub - Mixed scrub	1.21	Medium	4	Poor	1	Low	Unconnected habitat		1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Some broad habitat or a higher distinctiveness habitat required	4.84	0.12	0	0	0.48	0.00	0.00	1.00	4.36	Some scrub on site. Based on GIS calculations of areas shown in the Phase 1 habitat plan (TEP ref: GR035.01.002A). "Scrub" condition assessment in the Technical Supplement used. Falls on four of the five criteria (1, 3, 5, 6). Although some stands contain at least three woody species, there is always a dominant species making up 70% or more of the cover. Japanese knotweed is present within TNS, although this cover is not thought to make up 5%. As most of the condition criteria are being failed and there is limited age diversity (mainly young and mid-aged), as such the scrub on site is classified as being in Poor condition. Bespoke compensation not required.	
4	Sparsely vegetated land	Sparsely vegetated land - Ruderal/ephemeral	0.08	Low	2	Poor	1	Low	Unconnected habitat		1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Some distinctiveness or better habitat required	0.16	0	0	0	0.00	0.00	0.00	0.08	0.16	Bare ground and hardstanding with ephemeral/short perennial vegetation. Based on GIS calculations of areas shown in the Phase 1 habitat plan (TEP ref: GR035.01.002A). "Sparsely vegetated land" condition assessment in the Technical Supplement used. Does not fall under any of the seven criteria and as such assessed as being ruderal habitat with low biodiversity value. Therefore classified as Poor condition. Bespoke compensation not required.	
5	Urban	Urban - Vacant/denict land/bareground	0.26	Low	2	Poor	1	Low	Unconnected habitat		1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Some distinctiveness or better habitat required	0.52	0	0	0.00	0.00	0.00	0.26	0.52	Bare ground on site. Based on GIS calculations of areas shown in the Phase 1 habitat plan (TEP ref: GR035.01.002A). "Urban" condition assessment in the Technical Supplement used. Falls three of the four condition criteria (2, 3 and 4) and bare ground assessed to have been created from trampling by vehicles. Therefore classified as being in Poor condition. Bespoke compensation not required.		
6																										
7																										
8																										
9																										

Mathers Foundry

A-2 Site Habitat Creation

Condense / Show Columns

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Proposed habitat	Post development/ post intervention habitats							Habitat units delivered	Comments	
	Area (hectares)	Distinctiveness	Condition	Ecological	Strategic significance	Temporal multiplier	Difficulty		Assessor comments	Reviewer comments
				Ecological connectivity	Strategic significance	Time to target condition/years	of creation category			
Urban - Developed land; sealed surface	6.47	V.Low	N/A - Other	N/A	Area/compensation not in local strategy/ no local strategy	0	Low	0.00	Buildings and hardstanding to be created on site. Based on GIS calculations of areas shown in the Planting Plan (BEA Landscape ref: 20-93-05 Rev B). Technical Supplement states that condition assessment is not required for this habitat type and that it should be allocated 0 for condition.	
Urban - Introduced shrub	0.14	Low	Poor	Low	Area/compensation not in local strategy/ no local strategy	1	Low	0.27	Areas of introduced shrub to be created on site. Based on GIS calculations of area of "Ground Cover" shown in the Planting Plan (BEA Landscape ref: 20-93-05 Rev B). Technical Supplement states that condition assessment is not required for this habitat type and that it should be allocated 1 for condition.	
Heathland and shrub - Mixed scrub	0.51	Medium	Fairly Poor	Low	Area/compensation not in local strategy/ no local strategy	2	Low	2.85	Areas of mixed scrub to be created on site. Based on GIS calculations of area of "Native Shrub Planting" shown in the Planting Plan (BEA Landscape ref: 20-93-05 Rev B). "Scrub" condition assessment in the Technical Supplement used. Although the scrub will have at least 3 woody species and no pernicious/invasive species, as it is being planted at the same time it will be of single age. It is also unlikely to have a well-developed edge with ungrazed tall herbs and will not have clearings or glades present. However, some scrub of high biodiversity value will be present. As such it is likely to achieve Fairly Poor condition.	
Grassland - Other neutral grassland	0.56	Medium	Moderate	Low	Area/compensation not in local strategy/ no local strategy	10	Low	3.14	Areas of neutral grassland to be created on site. Based on GIS calculations of area of "Wildflower Meadow Planting" shown in the Planting Plan (BEA Landscape ref: 20-93-05 Rev B). Some of these areas will be supplemented with native bulb planting. "Grassland" condition assessment in the Technical Supplement used. The grassland is unlikely to develop into a priority habitat and is unlikely to become a good example of the other neutral grassland habitat type. However, there will be no undesirable species, no areas of bare ground and no bramble or scrub cover. As such it is likely to achieve Moderate condition.	
Urban - Sustainable urban drainage feature	0.26	Low	Moderate	Low	Area/compensation not in local strategy/ no local strategy	3	Medium	0.63	New SUDS pond to be created on site. Based on GIS calculations of area marked "G78" on the Planting Plan (BEA Landscape ref: 20-93-05 Rev B). No planting is currently proposed around this pond. "Urban" condition assessment in the Technical Supplement used. There is a known history of disturbance on the site, and although no planting is indicated on the plan it is likely some early successional species will develop naturally amongst the unvegetated land. However, it is unlikely to form any mosaic habitats. As such, as assessed as having potential to achieve Moderate condition.	
Totals	7.94							6.88		

Mathers Foundry
B-1 Site Hedge Baseline

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Baseline ref	UK Habitats - existing habitats			Habitat distinctiveness			Habitat condition			Ecological connectivity			Strategic significance			Suggested action to address habitat losses	Ecological baseline Total hedgerow units	Retention category biodiversity value						Comments	
	Hedge number	Hedgerow type	length km	Distinctiveness	Score	Condition	Score	Ecological connectivity	Connectivity	Connectivity multiplier	Strategic significance	Strategic significance	Strategic significance	Strategic junction multiplier	Length retained			Length enhanced	Units retained	Units enhanced	Length lost	Units lost	Assessor comments	Reviewer comments	
1		Hedge Ornamental Non Native	0.04	V.Low	0	Poor	1	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance		1	Same distinctiveness band or better	0								Non-native hedgerow. Based on GIS calculations of areas shown in the Phase 1 habitat plan (IEP ref. GR035.01.002). Automatically assigned poor condition as non-native.	
2																									
3																									
4																									
5																									
6		Total Site length/AM	0.04											Total Site baseline	0.00	0.00	0.00	0.00	0.04	0.00					

Mathers Foundry

B-2 Site Hedge Creation

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Baseline ref	New hedge number	Multipliers																	Hedge units delivered	Comments			
		Proposed habitats				Habitat distinctiveness		Habitat condition		Ecological connectivity			Spatial quality			Strategic significance		Temporal multiplier		Difficulty of creation multiplier	Assessor comments	Reviewer comments	
		Habitat type	Length km	Distinctiveness	Score	Condition	Score	Ecological connectivity	Connectivity	Connectivity multiplier	Strategic significance	Strategic significance	Strategic position multiplier	Time to target condition/years	Time to target multiplier								
1		Native Species Rich Hedgerow	0.48	Medium	4	Good	3	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	10	0.700	0.67	2.70	New hedgerows to be planted on site. Based on GIS calculations of lines marked "Deciduous Hedge" on the Planting Plan (BEA Landscape ref: 20-93-05 Rev B). Considered to be species rich due as each hedge will have over 5 native species planted in double or triple rows. Likely to meet A1, A2, B1 and B2, C2, D1 and D2. It is likely to fail C1 as there will be some disturbed ground within 1m of the hedgerow. Therefore it has potential to achieve Good condition.					
2		Line of Trees	0.33	Low	2	Moderate	2	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	20	0.490	1	0.65	Line of Acer sp. trees to be created along the northern site boundary as screening. Based on GIS calculations of trees marked on the Planting Plan (BEA Landscape ref: 20-93-05 Rev B). The key of the planting plan suggests the canopy height by this point and although there are some gaps, these appear to make up less than 10% of the row and no gap appears to be larger than 5m. Therefore likely to achieve Moderate condition.					
3																							
4																							
5																							
6																							
7																							
		Creation Length/KM	0.81														3.35						

Mathers Foundry
D-2 Off Site Habitat Creation

Condensed / Show Columns Condensed / Show Rows
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Proposed habitat	Area ha	Distinctiveness	Score	Condition	Score	Post development/ post intervention habitats			Strategic significance			Temporal multiplier		Difficulty multipliers		Spatial risk multiplier		Comments		
						Ecological connectivity	Connectivity multiplier	Strategic significance	Strategic significance	Strategic position multiplier	Time to target condition/years	Time to target multiplier	Difficulty of creation category	Difficulty of creation multiplier	Spatial risk category	Spatial risk multiplier	Habitat units delivered	Assessor comments	Reviewer comments	
Totals	2.00																	Total Units	2.00	

Maitland County

E-2 Off Site Hedge Creation

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Proposed habitats		Distinctiveness	Score	Condition	Score	Ecological connectivity			Strategic significance			Spatial risk multiplier		Temporal multiplier		Difficulty multiplier		Hedge units delivered	Comments			
Baseline ref	New hedge number					Habitat type	Length km	Ecological connectivity	Connectivity	Connectivity multiplier	Strategic significance	Strategic significance	Strategic position multiplier	Spatial risk category	Spatial risk multiplier	Time to target condition/years	Time to target multiplier		Difficulty of creation multiplier	Difficulty of position multiplier	Assessor comments	Reviewer comments
1																						
2																						
3																						
4																						
5																						
Total Length/WM			0.00															0.00				

Return to start

Habitat Description	Distinctivness		Creation - Years to Target Condition			Enhancement - Years to Target Condition			Difficulty		Suggested Action
	Distinctivness Category	Distinctivness Score	Poor	Moderate	Good	Poor - Moderate	Poor - Good	Moderate - Good	Technical Difficulty Creation	Technical Difficulty Enhancement	
Native Species Rich Hedgerow with trees - Associated with bank or ditch	High	6	1	10	20	6	10	4	High	Medium	Like for like
Native Species Rich Hedgerow - Associated with bank or ditch	High	6	1	5	10	3	5	2	High	Medium	Like for like
Native Species Rich Hedgerow with trees	Medium	4	1	10	20	6	10	4	High	Medium	Like for like or better
Native Species Rich Hedgerow	Medium	4	1	5	10	3	5	2	High	Medium	Like for like or better
Native Hedgerow with trees - Associated with bank or ditch	Medium	4	1	10	20	6	10	4	Medium	Medium	Like for like or better
Native Hedgerow - Associated with bank or ditch	Medium	4	1	5	10	3	5	2	Medium	Medium	Like for like or better
Native Hedgerow with trees	Low	2	1	10	20	6	10	4	Low	Low	Same distinctivness band or better
Native Hedgerow	Low	2	1	5	10	3	5	2	Low	Low	Same distinctivness band or better
Hedge Ornamental Non Native	V.Low	0	1	5	10	3	5	2	Low	Low	Same distinctivness band or better
Line of Trees (Ecologically Valuable) - with Bank or Ditch	Medium	4	1	20	30	20	30	10	Medium	Medium	Like for like or better
Line of Trees (Ecologically Valuable)	Medium	4	1	20	30	20	30	10	Medium	Medium	Like for like or better
Line of Trees - Associated with bank or ditch	Low	2	1	20	30	20	30	10	Low	Low	Same distinctivness band or better
Line of Trees	Low	2	1	20	30	20	30	10	Low	Low	Same distinctivness band or better

Condition	
Condition Category	Condition Score
Good	3
Moderate	2
Poor	1

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Phase 1 Habitat	UK Hab habitat	Distinctiveness band
Woodland	Woodland and forest - Other woodland; mixed	Medium
Broadleaved woodland	Woodland and forest - Other woodland; broadleaved	Medium
Semi-natural broadleaved woodland	Woodland and forest - Lowland mixed deciduous woodland	High
Plantation broadleaved woodland	Woodland and forest - Other woodland; broadleaved	Medium
Coniferous woodland	Woodland and forest - Other coniferous woodland	Low
Semi-natural coniferous woodland	Woodland and forest - Native pine woodlands	High
Plantation coniferous woodland	Woodland and forest - Other coniferous woodland	Low
Mixed woodland	Woodland and forest - Other woodland; mixed	Medium
Semi-natural mixed woodland	Woodland and forest - Lowland mixed deciduous woodland	High
Plantation mixed woodland	Woodland and forest - Other woodland; mixed	Medium
Scrub	Heathland and shrub - Mixed scrub	Medium
Dense / continuous scrub	Heathland and shrub - Mixed scrub	Medium
Scattered scrub	Heathland and shrub - Mixed scrub	Medium
Parkland / scattered trees	Woodland and forest - Wood-pasture and parkland	High
Broadleaved parkland / scattered trees	Woodland and forest - Wood-pasture and parkland	High
Coniferous parkland / scattered trees	Woodland and forest - Other coniferous woodland	Medium
Mixed parkland / scattered trees	Woodland and forest - Wood-pasture and parkland	High
Recently-felled woodland	Woodland and forest - Felled	Medium
Broadleaved recently felled woodland	Woodland and forest - Felled	Medium
Coniferous recently felled woodland	Woodland and forest - Felled	Medium
Mixed recently felled woodland	Woodland and forest - Felled	Medium
Acid grassland	Grassland - Other lowland acid grassland	Medium
Acid grassland	Grassland - Upland acid grassland	Medium
Unimproved acid grassland	Grassland - Lowland dry acid grassland	V.High
Unimproved acid grassland	Grassland - Upland hay meadows	V.High
Semi-improved acid grassland (Good quality)	Grassland - Upland acid grassland	Medium
Semi-improved acid grassland (Good quality)	Grassland - Other lowland acid grassland	Medium
Semi-improved acid grassland (Poor quality)	Grassland - Modified grassland	Low
Neutral grassland	Grassland - Other neutral grassland	Medium
Unimproved neutral grassland	Grassland - Lowland meadows	V.High
Semi-improved neutral grassland (Good quality)	Grassland - Other neutral grassland	Medium
Semi-improved neutral grassland (Poor quality)	Grassland - Modified grassland	Low
Calcareous grassland	Grassland - Upland calcareous grassland	High

Calcareous grassland	Grassland - Lowland calcareous grassland	High
Unimproved calcareous grassland	Grassland - Lowland calcareous grassland	High
Unimproved calcareous grassland	Grassland - Upland calcareous grassland	High
Semi-improved calcareous grassland (Good quality)	Grassland - Upland calcareous grassland	High
Semi-improved calcareous grassland (Good quality)	Grassland - Lowland calcareous grassland	High
Semi-improved calcareous grassland (Poor quality)	Grassland - Modified grassland	Low
Improved grassland	Grassland - Modified grassland	Low
Marsh/marshy grassland	Wetland - Purple moor grass and rush pastures	V.High
Marsh/marshy grassland	Grassland - Other neutral grassland	Medium
Marsh/marshy grassland	Grassland - Modified grassland	Low
Poor semi-improved grassland	Grassland - Modified grassland	Low
Strandline vegetation coastland	Sparsely vegetated land - Coastal vegetated shingle	High
Sand dune	Sparsely vegetated land - Coastal sand dunes	High
Dune slack sand dune coastland	Sparsely vegetated land - Coastal sand dunes	High
Dune grassland sand dune coastland	Sparsely vegetated land - Coastal sand dunes	High
Dune heath sand dune coastland	Sparsely vegetated land - Coastal sand dunes	High
Dune scrub sand dune coastland	Sparsely vegetated land - Coastal sand dunes	High
Open dune sand dune coastland	Sparsely vegetated land - Coastal sand dunes	High
Maritime cliff coastland	Sparsely vegetated land - Maritime cliff and slopes	High
Hard maritime cliff coastland	Sparsely vegetated land - Maritime cliff and slopes	High
Soft maritime cliff	Sparsely vegetated land - Maritime cliff and slopes	High
Crevice/ledge vegetation	Sparsely vegetated land - Maritime cliff and slopes	High
Crevice/ledge vegetation	Grassland - Tall herb communities	High
Coastal grassland	Sparsely vegetated land - Maritime cliff and slopes	High
Coastal grassland	Grassland - Lowland meadows	V.High
Coastal grassland	Grassland - Lowland dry acid grassland	V.High
Coastal grassland	Grassland - Other lowland acid grassland	Medium
Coastal heathland	Sparsely vegetated land - Maritime cliff and slopes	High
Coastal heathland	Heathland and shrub - Lowland Heathland	High
Standing open water	lakes - Aquifer fed naturally fluctuating water bodies	V.High
Standing open water	Lakes - Ditches	Medium
Standing open water	Lakes - High alkalinity lakes	High
Standing open water	Lakes - Low alkalinity lakes	High
Standing open water	Lakes - Marl Lakes	High
Standing open water	Lakes - Moderate alkalinity lakes	High
Standing open water	Lakes - Peat Lakes	High

Standing open water	Lakes - Ponds (Priority Habitat)	High
Standing open water	Lakes - Ponds (Non- Priority Habitat)	High
Standing open water	Lakes - Reservoirs	Medium
Standing open water	Lakes - Temporary lakes, ponds and pools	High
Dry dwarf shrub heath	Heathland and shrub - Lowland Heathland	High
Dry dwarf shrub heath	Heathland and shrub - Upland Heathland	High
Acidic dry dwarf shrub heath	Heathland and shrub - Lowland Heathland	High
Acidic dry dwarf shrub heath	Heathland and shrub - Upland Heathland	High
Basic dry dwarf shrub heath	Heathland and shrub - Lowland Heathland	High
Basic dry dwarf shrub heath	Heathland and shrub - Upland Heathland	High
Wet dwarf shrub heath	Heathland and shrub - Lowland Heathland	High
Wet dwarf shrub heath	Heathland and shrub - Upland Heathland	High
Lichen / bryophyte heath	Heathland and shrub - Lowland Heathland	High
Lichen / bryophyte heath	Heathland and shrub - Upland Heathland	High
Montane heath / dwarf herb	Heathland and shrub - Mountain heaths and willow scrub	V.High
Dry heath / acidic grass mosaic	Heathland and shrub - Lowland Heathland	High
Wet heath / acidic grass mosaic	Heathland and shrub - Lowland Heathland	High
Dry heath / acidic grass mosaic	Heathland and shrub - Upland Heathland	High
Wet heath / acidic grass mosaic	Heathland and shrub - Upland Heathland	High
Bracken	Grassland - Bracken	Medium
Continuous bracken	Grassland - Bracken	Medium
Scattered bracken	Grassland - Bracken	Medium
Other tall herb or fern (Good quality)	Sparsely vegetated land - Inland rock outcrop and scree habitats	High
Other tall herb or fern	Grassland - Bracken	Medium
Tall ruderal	Sparsely vegetated land - Ruderal/Ephemeral	Low
Non-ruderal	Sparsely vegetated land - Ruderal/Ephemeral	Low
Bog	Wetland - Lowland raised bog	V.High
Sphagnum bog	Wetland - Lowland raised bog	V.High
Blanket bog	Wetland - Blanket bog	V.High
Raised bog	Wetland - Lowland raised bog	V.High
Wet modified bog	Wetland - Transition mires and quaking bogs (H7140)	V.High
Dry modified bog	Wetland - Blanket bog	V.High
Dry modified bog	Wetland - Lowland raised bog	V.High
Flush and spring	Wetland - Fens (upland and lowland)	V.High
Acid/neutral flush	Wetland - Fens (upland and lowland)	V.High
Basic flush	Wetland - Fens (upland and lowland)	V.High
Bryophyte-dominated spring	Wetland - Fens (upland and lowland)	V.High
Fen	Wetland - Fens (upland and lowland)	V.High

Valley mire	Wetland – Oceanic Valley Mire[1] (D2.1)	V.High
Basin mire	Wetland – Oceanic Valley Mire[1] (D2.1)	V.High
Floodplain mire	Wetland – Oceanic Valley Mire[1] (D2.1)	V.High
Bare peat	Wetland - Depressions on Peat substrates (H7150)	V.High
Swamp	Wetland - Fens (upland and lowland)	V.High
Marginal and inundation	Wetland - Fens (upland and lowland)	V.High
Marginal and inundation	Wetland - Reedbeds	High
Marginal vegetation	Use the Feature that it is within, i.e. River, Lake type etc.	
Inundation vegetation	Wetland - Reedbeds	High
Natural rock exposures and caves (Good quality)	Sparsely vegetated land - Inland rock outcrop and scree habitats	High
Natural rock exposures and caves	Sparsely vegetated land - Other inland rock and scree	Medium
Inland cliff (High quality)	Sparsely vegetated land - Inland rock outcrop and scree habitats	High
Inland cliff	Sparsely vegetated land - Other inland rock and scree	Medium
Acidic inland cliff	Sparsely vegetated land - Inland rock outcrop and scree habitats	High
Basic inland cliff	Sparsely vegetated land - Inland rock outcrop and scree habitats	High
Scree	Sparsely vegetated land - Inland rock outcrop and scree habitats	High
Acidic scree	Sparsely vegetated land - Inland rock outcrop and scree habitats	High
Basic scree	Sparsely vegetated land - Inland rock outcrop and scree habitats	High
Limestone pavement	Sparsely vegetated land - Limestone pavement	V.High
Other natural rock exposure	Sparsely vegetated land - Other inland rock and scree	Medium
Other acidic natural rock exposure	Sparsely vegetated land - Other inland rock and scree	Medium
Other basic rock exposure	Sparsely vegetated land - Other inland rock and scree	Medium
Artificial rock exposures	Sparsely vegetated land - Other inland rock and scree	Medium
Artificial rock exposures	Sparsely vegetated land - Other inland rock and scree	Medium
Artificial rock exposures	Sparsely vegetated land - Other inland rock and scree	Medium
Artificial rock exposures	Sparsely vegetated land - Other inland rock and scree	Medium
Artificial rock exposures	Sparsely vegetated land - Other inland rock and scree	Medium
Artificial rock exposures	Sparsely vegetated land - Other inland rock and scree	Medium
Quarry	Urban - Sand pit quarry or open cast mine	Low
Spoil heap	Urban - Sand pit quarry or open cast mine	Low
Mine	Urban - Sand pit quarry or open cast mine	Low
Refuse tip	Urban - Artificial unvegetated, unsealed surface	V.Low
Cultivated/disturbed ground	Cropland - Cereal crops other	Low
Arable	Cropland - Cereal crops	Low
Amenity grassland	Urban - Amenity grassland	Low
Ephemeral / short perennial	Sparsely vegetated land - Ruderal/Ephemeral	Low
Introduced shrub	Urban - Introduced shrub	Low
Fence	Urban - Built linear features	V.Low

Wall	Urban - Built linear features	V.Low
Built-up areas	Urban - Developed land; sealed surface	V.Low
Caravans	Urban - Developed land; sealed surface	V.Low
Sea wall (artificial materials)	Urban - Developed land; sealed surface	V.Low
Buildings	Urban - Developed land; sealed surface	V.Low
Bare ground	Urban - Vacant/derelict land/ bareground	Low

