

The Biodiversity Metric 3.1

auditing and accounting for biodiversity

Calculation Tool

Open Tool

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The Biodiversity Metric 3.1 - Calculation Tool

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Project details	
Planning authority:	
Project name:	Bennet Court (11224)
Applicant:	
Application type:	
Planning application reference:	
Assessor:	Casey Higgins-King
Reviewer:	
Metric version:	G
Assessment date:	25.07.2024
Planning authority reviewer:	

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	Automatic lookup
	Result

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On-site baseline map

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On-site post intervention map

Insert

Off-site baseline map

Insert

Off-site post intervention map

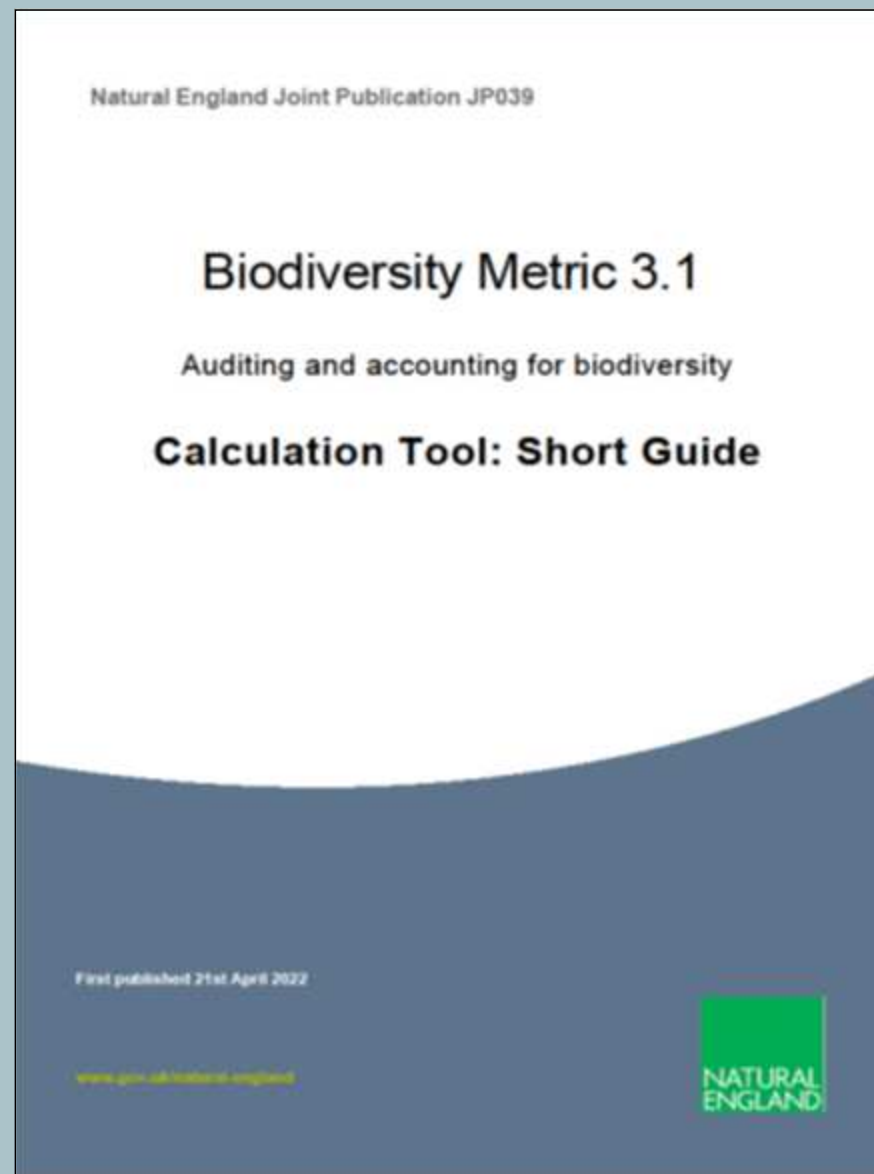
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Headline results

Detailed results

Habitat trading
summary

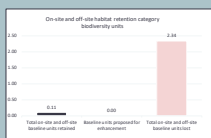
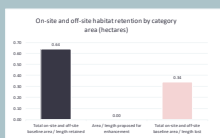
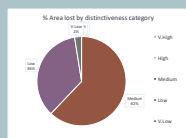
On-site baseline	Habitat units	2.45
	Hedgerow units	1.04
	River units	0.00
On-site post-intervention (Including habitat retention, creation & enhancement)	Habitat units	1.80
	Hedgerow units	1.07
	River units	0.00
On-site net % change (Including habitat retention, creation & enhancement)	Habitat units	-26.44%
	Hedgerow units	2.67%
	River units	0.00%
Off-site baseline	Habitat units	0.00
	Hedgerow units	0.00
	River units	0.00
Off-site post-intervention (Including habitat retention, creation & enhancement)	Habitat units	0.90
	Hedgerow units	0.00
	River units	0.00
Total net unit change (including all on-site & off-site habitat retention, creation & enhancement)	Habitat units	0.25
	Hedgerow units	0.03
	River units	0.00
Total on-site net % change plus off-site surplus (including all on-site & off-site habitat retention, creation & enhancement)	Habitat units	10.13%
	Hedgerow units	2.67%
	River units	0.00%
Trading rules Satisfied?	Yes ✓	

Summary Figures

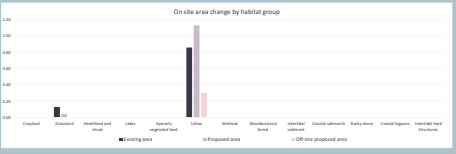
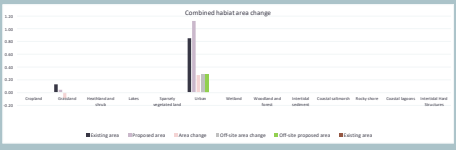
Combined habitat retention and enhancement				
	Forest	Wetlands	Grassland	Barren
Total on-site and off-site land area - forest	1,000	0	0	0
Total on-site and off-site land area - wetlands	0	0	0	0
Total on-site and off-site land area - grassland	0	0	0	0
Total on-site and off-site land area - barren	0	0	0	0
Total on-site and off-site land area - forest (weighted)	1,000	0	0	0
Acre - forest reserved for enhancement	0	0	0	0
Barren area reserved for enhancement	0	0	0	0
Total on-site and off-site land area - forest lost	0	0	0	0
Total on-site and off-site land area - forest	1,000	0	0	0

Area habitats

Combined area lost by distinctiveness band		
Category	Area lost (hectares)	Area lost (%)
Very High	0	
High	0	
Medium	0.2110	62
Low	0.1360	35
Very Low	0.2694	8

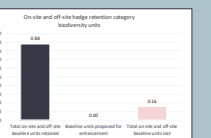
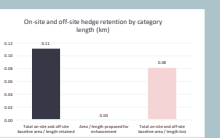
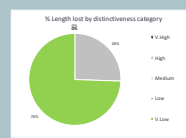
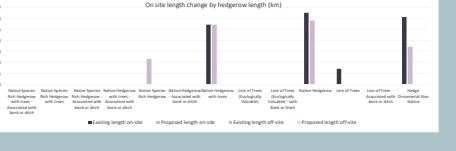


Habitat Group	Existing value	Proposed value	100%ile Proposed value
England	0.00	0.00	0.00
Woodland	0.60	0.10	0.05
Woodland and scrub	0.60	0.10	0.05
Lakes	0.00	0.00	0.00
Special designated areas	0.00	0.00	0.00
Urban	1.40	1.35	1.25
Grassland	0.00	0.00	0.00
Woodland and heath	0.00	0.00	0.00
Intervalled	0.00	0.00	0.00
Coastal	0.00	0.00	0.00
Recreational	0.00	0.00	0.00
Conservation	0.00	0.00	0.00
Woodland	0.00	0.00	0.00

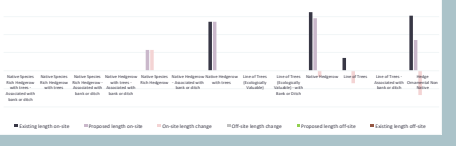
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Hedgerows and lines of trees

Combined length lost by distinctiveness band		
Category	Length lost (234)	Length lost (%)
V High	0	
High	0	
Medium	0	
Low	0.061	26
V Low	0.061	24

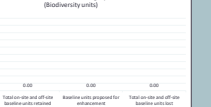
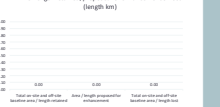
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Patient Group	Existing value	Proposed value on-site	On-site unit change	HQR rate unit change	Proposed value off-site	Existing value off-site
Lower frequency, higher frequency	0.00	0.00	0.00	0.00	0.00	0.00
Lower frequency, lower frequency	0.00	0.00	0.00	0.00	0.00	0.00
Higher frequency, higher frequency	0.00	0.00	0.00	0.00	0.00	0.00
Higher frequency, lower frequency	0.00	0.00	0.00	0.00	0.00	0.00
Lower frequency, associated with lower risk	0.00	0.00	0.00	0.00	0.00	0.00
Higher frequency, associated with lower risk	0.00	0.00	0.00	0.00	0.00	0.00
HQR rate on-site	0.00	0.00	0.00	0.00	0.00	0.00
HQR rate off-site	0.00	0.00	0.00	0.00	0.00	0.00
Lower frequency, associated with higher risk	0.00	0.00	0.00	0.00	0.00	0.00
Higher frequency, associated with higher risk	0.00	0.00	0.00	0.00	0.00	0.00
HQR rate on-site	0.00	0.00	0.00	0.00	0.00	0.00
HQR rate off-site	0.00	0.00	0.00	0.00	0.00	0.00



Rivers and Streams

Category	Length lost (23d)	Length lost (%)
V High	0	
High	0	
Medium	0	
Low	0	



Priority factor	Existing value	Proposed value	Existing value off-site	Proposed value off-site
Priority factor	0.75	0.70	0.65	0.60
Other factors and features	0.65	0.60	0.55	0.50
Ethics	0.55	0.50	0.45	0.40
Costs	0.45	0.40	0.35	0.30
Culture	0.35	0.30	0.25	0.20



Figure 1 is a bar chart showing the percentage of respondents for each category across six groups: Priority/Retail, Other Retail and Offsites, Districts, Central, and Central. The Y-axis represents the percentage from 0.0 to 0.7. The legend indicates six categories: Existing value (black), Proposed value (light blue), Order Unit change (light red), Existing value off site (dark red), Proposed value off site (green), and Off site unit change (light green).

Category	Priority/Retail	Other Retail and Offsites	Districts	Central	Central
Existing value	0.00	0.00	0.00	0.00	0.00
Proposed value	0.00	0.00	0.00	0.00	0.00
Order Unit change	0.00	0.00	0.00	0.00	0.00
Existing value off site	0.00	0.00	0.00	0.00	0.00
Proposed value off site	0.00	0.00	0.00	0.00	0.00
Off site unit change	0.00	0.00	0.00	0.00	0.00



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Trading Summary		
Distinctiveness Group	Trading Rule	Trading Status/?
Very High	Requires registration in the request *	Yes ✓
High	Some habitat required *	Yes ✓
Medium	Some registration or habitat required *	Yes ✓
Low	Some distinctiveness or better habitat required ?	Yes ✓

Very High Distinctiveness					
Habitat group	Group	On Site Unit Change	Off Site Unit Change	Project wide Unit Change	Unit Losses
Grassland - Lowland dry acid grassland	Grassland	0.00	0.00	0.00	
Grassland - Lowland meadow	Grassland	0.00	0.00	0.00	
Grassland - Upland heath and yellow scrub	Grassland	0.00	0.00	0.00	
Heathland and shrub - Mountain heath and yellow scrub	Heathland and shrub	0.00	0.00	0.00	
Lakes - Fresh and saltwater standing water bodies	Lakes	0.00	0.00	0.00	
Openly vegetated land - Cereals and grass	Openly vegetated land	0.00	0.00	0.00	
Openly vegetated land - Low-intensity permanent	Openly vegetated land	0.00	0.00	0.00	
Woodland - Broad leaf	Woodland	0.00	0.00	0.00	
Woodland - Coniferous on Peat substrates (BT150)	Woodland	0.00	0.00	0.00	
Woodland - Pine woodlands	Woodland	0.00	0.00	0.00	
Woodland - Lowland raised bog	Woodland	0.00	0.00	0.00	
Woodland - Upland Valley Mixed (1102.1)	Woodland	0.00	0.00	0.00	
Woodland - Upland moor and rough pasture	Woodland	0.00	0.00	0.00	
Woodland - Transition moor and heathland (BT150)	Woodland	0.00	0.00	0.00	
Woodland and forest - Wood past and forest	Woodland and forest	0.00	0.00	0.00	
Rocky shore - Bare stony littoral rock - on peat, clay or chalk	Rocky shore	0.00	0.00	0.00	
Rocky shore - Moderate stony littoral rock - on peat, clay or chalk	Rocky shore	0.00	0.00	0.00	
Rocky shore - Low energy littoral rock - on peat, clay or chalk	Rocky shore	0.00	0.00	0.00	
Rocky shore - Features of littoral rock - on peat, clay or chalk	Rocky shore	0.00	0.00	0.00	
Intertidal sediment - Laminar sediment on peat, clay or chalk	Intertidal sediment	0.00	0.00	0.00	
		0.00	0.00	0.00	0.00

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

Habitat group	Group	On Site Duit Change	Off Site Duit Change	Project wide Duit Change	Losses not yet accounted for
Grassland - Traditional orchards	Grassland	0.00	0.00	0.00	
Grassland - Floodplain/Wetland Forest (CFUM)	Grassland	0.00	0.00	0.00	
Grassland - Lowland calcareous grassland	Grassland	0.00	0.00	0.00	
Grassland - Tall herb communities (HSA-10)	Grassland	0.00	0.00	0.00	
Grassland - Upland calcareous grassland	Grassland	0.00	0.00	0.00	
Heathland and shrub - Lowland Heathland	Heathland and shrub	0.00	0.00	0.00	
Heathland and shrub - Sea bushforest scrub (Aren-1)	Heathland and shrub	0.00	0.00	0.00	
Heathland and shrub - Upland Heathland	Heathland and shrub	0.00	0.00	0.00	
Lalans - High diversity lalans	Lalans	0.00	0.00	0.00	
Lalans - Low diversity lalans	Lalans	0.00	0.00	0.00	
Lalans - Mini Lalans	Lalans	0.00	0.00	0.00	
Lalans - Moderate diversity lalans	Lalans	0.00	0.00	0.00	
Lalans - Pua Lalans	Lalans	0.00	0.00	0.00	
Lalans - Ponds (Priority Habitat)	Lalans	0.00	0.00	0.00	
Lalans - Temporary lalans	Lalans	0.00	0.00	0.00	
Scattered vegetation land - Coastal scrub and dune	Scattered vegetation land	0.00	0.00	0.00	
Scattered vegetation land - Coastal vegetated dunes	Scattered vegetation land	0.00	0.00	0.00	
Scattered vegetation land - Island rock outcrops and rock habitats	Scattered vegetation land	0.00	0.00	0.00	
Scattered vegetation land - Mangrove, cliff and dune	Scattered vegetation land	0.00	0.00	0.00	
Urban - Open Marine Habitat on Previously Developed Land	Urban	0.00	0.00	0.00	
Woodland - Beechforest	Woodland	0.00	0.00	0.00	
Woodland and forest - Filled	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Lowland beechforest and rain woodland	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Lowland mixed deciduous woodland	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Native pine woodlands	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Upland beechforest	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Upland mixed hardwood	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Upland oak	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Vine woodlands	Woodland and forest	0.00	0.00	0.00	
Coastal lagoons - Coastal lagoons	Coastal lagoons	0.00	0.00	0.00	
Rocky shore - High energy littoral rock	Rocky shore	0.00	0.00	0.00	
Rocky shore - Moderate energy littoral rock	Rocky shore	0.00	0.00	0.00	
Rocky shore - Low energy littoral rock	Rocky shore	0.00	0.00	0.00	
Rocky shore - Pinnacles of littoral rock	Rocky shore	0.00	0.00	0.00	
Intertidal sediment - Littoral mud	Intertidal sediment	0.00	0.00	0.00	
Intertidal sediment - Littoral sand	Intertidal sediment	0.00	0.00	0.00	
Coastal sediment - Intertidal, and saline wetlands	Coastal sediment	0.00	0.00	0.00	
Intertidal sediment - Littoral bryozoans, moss - Marine	Intertidal sediment	0.00	0.00	0.00	
Intertidal sediment - Littoral bryozoans, moss - Sublittoral	Intertidal sediment	0.00	0.00	0.00	
Intertidal sediment - Features of littoral sediment	Intertidal sediment	0.00	0.00	0.00	
Intertidal sediment - Littoral muddy sand	Intertidal sediment	0.00	0.00	0.00	
		0.00	0.00	0.00	0.00

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

Medium Distinctiveness					
Habitat Group	Group	On site unit change	Off Site unit change	Project wide unit change	Cumulative Broad Habitat Change
Cropland - Arable field margins cultivated annually	Cropland	0.00	0.00	0.00	
Cropland - Arable field margins grown forest mix	Cropland	0.00	0.00	0.00	0.00
Cropland - Arable field margins pasture extensive	Cropland	0.00	0.00	0.00	
Cropland - Arable field margins pasture intensive	Cropland	0.00	0.00	0.00	
Cropland - Other wooded and grassland	Woodland	0.00	0.00	0.00	
Cropland - Other wood at woodland	Woodland	0.00	0.00	0.00	0.00
Cropland - Typical soil and grassland	Cropland	0.00	0.00	0.00	
Heathland and shrubs - Blanket bog	Heathland and shrubs	0.00	0.00	0.00	
Heathland and shrubs - Blanket scrub	Heathland and shrubs	0.00	-0.00	0.00	
Heathland and shrubs - Coastal scrub	Heathland and shrubs	0.00	0.00	0.00	
Heathland and shrubs - Heath scrub	Heathland and shrubs	0.00	0.00	0.00	0.00
Heathland and shrubs - Lowland scrub	Heathland and shrubs	0.00	0.00	0.00	
Heathland and shrubs - Moorland scrub	Heathland and shrubs	0.00	0.00	0.00	
Lake - Florida Ridge Priority habitat	Lake	0.00	0.00	0.00	
Lake - Lake	Lake	0.00	0.00	0.00	
Sparsely vegetated land - Other mixed rock and stone	Sparsely vegetated land	0.00	0.00	0.00	0.00
Urban - Commercial and commercial	Urban	0.00	0.00	0.00	
Urban - Domestic	Urban	0.00	0.00	0.00	
Urban - Urban tree	Urban	0.00	0.00	0.00	0.80
Woodland and forest - Other Forest woodland	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Other woodland Lowland	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Other woodland mixed	Woodland and forest	0.00	0.00	0.00	
Semi-natural pastures - Lush coastal grassland	Semi-natural pastures	0.00	0.00	0.00	
Semi-natural pastures - Lush upland	Semi-natural pastures	0.00	0.00	0.00	0.00
Intervent Hard Structures - Artificial hard structures with Integrated Greening of Clay Infrastructure (IGCI)	Intervent	-5.00	0.00	0.00	

Medium Distinctiveness Summary	
Medium Distinctiveness Units available to offset lower distinctiveness deficit	0.80
Medium Distinctiveness Broad Habitat Deficit to be offset by trading up	0.00
Higher distinctiveness surplus units minus Medium Distinctiveness Broad Habitat Deficit	0.00
Cumulative surplus of units	0.80

[illegible]

Low Distinctiveness Summary	
Low Distinctiveness Net Change in Units	-0.58
Cumulative surplus of units	0.25

Habitats and areas				Distinctiveness		Condition		Strategic significance			Suggested action to address habitat losses	Ecological baseline
Ref	Broad Habitat	Habitat Type	Area (hectares)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic Significance multiplier		Total habitat units
1	Grassland	Modified grassland	0.1279	Low	2	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	0.77
2	Urban	Developed land, sealed surface	0.6298	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
3	Urban	Introduced shrub	0.0104	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	0.02
4	Urban	Vacant/derelict land/ bareground	0.0008	Low	2	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	0.00
5	Urban	Urban Tree	0.0081	Medium	4	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required (≥)	0.03
6	Urban	Urban Tree	0.0366	Medium	4	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required (≥)	0.29
7	Urban	Urban Tree	0.1668	Medium	4	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required (≥)	1.33
8												
9												
10												
11												
		Total habitat area	0.96									2.46

Retention category biodiversity value						Bespoke compensation agreed for unacceptable losses	Comments	
Area retained	Area enhanced	Baseline units retained	Baseline units enhanced	Area habitat lost	Units lost		Assessor comments	Reviewer comments
0.0182	0	0.11	0.00	0.11	0.66		4x4m transformer (0.0016ha) removed from retained area of grassland	
0.6214	0	0.00	0.00	0.01	0.00			
0	0	0.00	0.00	0.01	0.02			
0	0	0.00	0.00	0.00	0.00			
0	0	0.00	0.00	0.01	0.03		Accounts for 2x small trees in car parking area; 1x Prunus and 1x rowan tree. The other trees detailed within AIA within the car park are small Prunus laurantica and therefore not incorporated into this score	
0	0	0.00	0.00	0.04	0.29		1x medium grey poplar tree. This tree is oversailing hardstanding, a non-native species, and adverse impacts are evident. This tree is classed as being a category C1 tree and Poor condition in the arboricultural assessment	
0	0	0.00	0.00	0.17	1.33		Area of trees previously felled, as advised by the LPA in comments received 16th June (4 medium, 5 small trees, 1 birch, 1 london plane, 5 cherries and 2 ash)	
0.84	0.00	0.11	0.00	0.34	2.34			

Total area lost (excluding area of Urban trees and Green walls)

0.13

Bennet Court (11224)
A-2 Site Habitat Creation

Condense / Show Columns

Condense / Show Rows

Condense / Show Columns

Condense / Show Rows

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Instructions

Site Area (Excluding area of Urban trees and Green walls)	0.13
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B-1 Site Hedge Baseline

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Instructions

UK Habitats - existing habitats				Habitat distinctiveness		Habitat condition		Strategic significance			Suggested action to address habitat losses	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	Assessor comments	Reviewer comments
1		Native Hedgerow with trees	0.054	Medium	4	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Like for like or better	0.65	0.054	0	0.65	0.00	0.00			
2		Native Hedgerow	0.058	Low	2	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness band or better	0.23	0.058	0	0.23	0.00	0.00			
3		Hedge Ornamental Non Native	0.061	V.Low	1	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness band or better	0.06	0	0	0.00	0.00	0.06	0.06		
4		Native Hedgerow	0.007	Low	2	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness band or better	0.04	0	0	0.00	0.00	0.01	0.04		
5		Line of Trees	0.014	Low	2	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness band or better	0.06	0	0	0.00	0.00	0.01	0.06	Cupressus spp	
6																				
7																				
8																				
9																				
10																				
			0.19									1.04	0.11	0.00	0.88	0.00	0.08	0.18		

B-2 Site Hedge Creation																							
Condense / Show Columns												Condense / Show Rows											
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Proposed habitats				Habitat distinctiveness		Habitat 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		Assessor comments	Reviewer comments
1		Hedge Ornamental Non Native	0.034	V Low	1	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	1	0	0	Standard time to target condition applied	1	0.955	Low	Standard difficulty applied	Low	1	0.03		
2		Native Species Rich Hedgerow	0.023	Medium	4	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	5	0	0	Standard time to target condition applied	5	0.837	Low	Standard difficulty applied	Low	1	0.15		
3																							
4																							
5																							
6																							
7																							
			0.06																		0.19		