

# The Biodiversity Metric 2.0 - Calculation Tool

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### Project details

Planning authority:	Oxfordshire County Council
Project name:	edp2425 Junction 9, M40, Bicester, Oxon
Applicant:	Tritax Symmetry Ltd
Application type:	Outline application
Planning application reference:	
Assessor:	Catherine Pittman
Reviewer:	Jenni Morgan
Revision:	1
Assessment date:	24/11/2021
Planning authority reviewer:	

### Cell style conventions

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## Headline Results

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On-site baseline	Habitat units	63.20
	Hedgerow units	12.01
	River units	0.00
On-site post-intervention (Including habitat retention, creation, enhancement & succession)	Habitat units	65.79
	Hedgerow units	12.81
	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 & succession)	Habitat units	0.00
	Hedgerow units	0.00
	River units	0.00
Total net unit change (including all on-site & off-site habitat retention/creation)	Habitat units	2.59
	Hedgerow units	0.81
	River units	0.00
Total net % change (including all on-site & off-site habitat creation + retained habitats)	Habitat units	4.10%
	Hedgerow units	6.71%
	River units	0.00%

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## Detailed Results

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### Summary Figures

Net project biodiversity units (including all on-site & off-site habitat retention/creation)	Habitat units	2.59
	Hedgerow units	0.81
	River units	0.00

Total project biodiversity % change (including all On-site & Off-site Habitat Creation + Retained Habitats)	Habitat units	4.10%
	Hedgerow units	6.71%
	River units	0.00%

#### On-site habitat retention and enhancement

	Habitats	Hedgerows	Rivers
Total site area / length	19.34	1.94	0.00
Total site units	63.20	12.01	0.00

Area / length retained	0.08	0.66	0.00
Units Retained	0.60	4.48	0.00

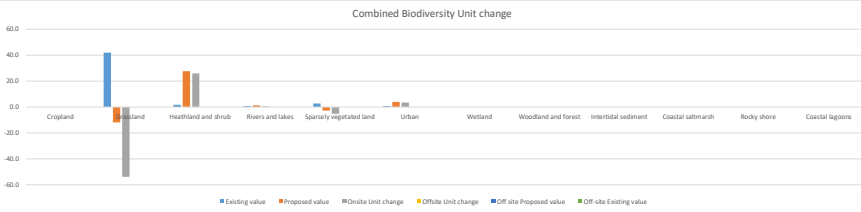
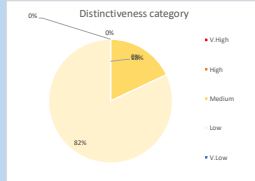
Area / length enhanced	2.73	0.00	0.00
Baseline units enhanced	14.94	0.00	0.00

Area / length succession	0.00		
Units succession	0.00		

Area / length lost	16.54	1.27	0.00
Units lost	47.66	7.53	0.00

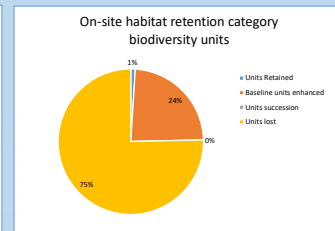
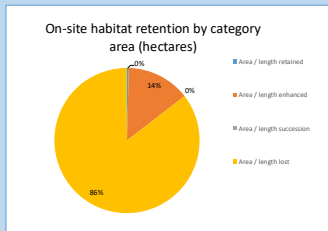
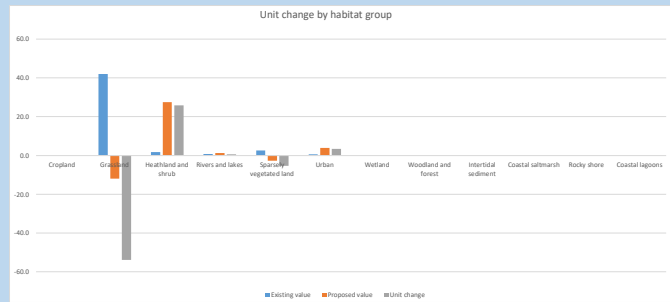
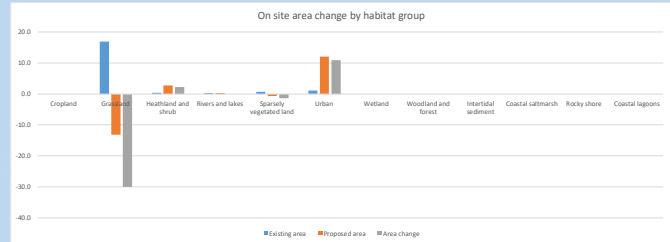
#### Area lost by distinctiveness

Category	Area lost (hectares)	Area lost (%)
V.High	0	
High	0	
Medium	2.84	18
Low	12.92	82
V.Low	0	



On-site	Baseline		Post development on site		Onsite Change	
	Existing area	Existing value	Proposed area	Proposed value	Area change	Onsite Unit change
Cropland	0.0	0.0	0.0	0.0	0.0	0.0
Grassland	17.0	42.0	-13.1	-11.9	-30.1	-53.9
Heathland and shrub	0.4	1.7	2.7	27.5	2.3	25.8
Rivers and lakes	0.2	0.8	0.2	1.3	0.0	0.5
Sparsely vegetated land	0.7	2.6	-0.7	-2.6	-1.3	-5.3
Urban	1.1	0.6	12.0	3.9	10.9	3.4
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

Overall Change	
Area change	Unit change
0.0	0.0
-30.1	-53.9
2.3	25.8
0.0	0.5
-1.3	-5.3
10.9	3.4
0.0	0.0
0.0	0.0
0.0	0.0
0.0	0.0
0.0	0.0
0.0	0.0



Off-site	Baseline		Post development Off-site		Off-site Change	
	Existing area	Off site Existing value	Proposed area	Off site Proposed value	Area change	Offsite Unit change
Cropland	0.0	0.0	0.0	0.0	0.0	0.0
Grassland	0.0	0.0	0.0	0.0	0.0	0.0
Heathland and shrub	0.0	0.0	0.0	0.0	0.0	0.0
Rivers and lakes	0.0	0.0	0.0	0.0	0.0	0.0
Sparsely vegetated land	0.0	0.0	0.0	0.0	0.0	0.0
Urban	0.0	0.0	0.0	0.0	0.0	0.0
Wetland	0.0	0.0	0.0	0.0	0.0	0.0
Woodland and forest	0.0	0.0	0.0	0.0	0.0	0.0
Intertidal sediment	0.0	0.0	0.0	0.0	0.0	0.0
Coastal saltmarsh	0.0	0.0	0.0	0.0	0.0	0.0
Rocky shore	0.0	0.0	0.0	0.0	0.0	0.0
Coastal lagoons	0.0	0.0	0.0	0.0	0.0	0.0

Combined	Baseline		Combined Post development		Combined change	
Habitat group	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	17.0	42.0	-13.1	-11.9	-30.1	-53.9
Heathland and shrub	0.4	1.7	2.7	27.5	2.3	25.8
Rivers and lakes	0.2	0.8	0.2	1.3	0.0	0.5
Sparsely vegetated land	0.7	2.6	-0.7	-2.6	-1.3	-5.3
Urban	1.1	0.6	12.0	3.9	10.9	3.4
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

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## Overall Trading Acceptable

Very high		
Habitat group	Group	Existing area lost
Grassland - Lowland dry acid grassland	Grassland	0.00
Heathland and shrub - Mountain heaths and willow scrub	Heathland and shrub	0.00
Sparsely vegetated land - Limestone pavement	Sparsely vegetated land	0.00
Wetland - Blanket bog	Wetland	0.00
Wetland - Depressions on Peat Substrates (H7150)	Wetland	0.00
Wetland - Fens (upland and lowland)	Wetland	0.00
Wetland - Lowland raised bog	Wetland	0.00
Wetland - Oceanic Valley Mire[1] (D2.1)	Wetland	0.00
Wetland - Purple moor grass and rush pastures	Wetland	0.00
Wetland - Transition mires and quaking bogs (H7140)	Wetland	0.00
Grassland - Lowland meadows	Grassland	0.00
Grassland - Upland hay meadows	Grassland	0.00
lakes - Aquifer fed naturally fluctuating water bodies	Lakes	0.00
Sparsely vegetated land - Calaminarian grasslands	Sparsely vegetated land	0.00
Rocky shore - High energy littoral rock - on bedrock	Rocky shore	0.00
Rocky shore - Moderate energy littoral rock - on bedrock	Rocky shore	0.00
Rocky shore - Low energy littoral rock - on bedrock	Rocky shore	0.00
Rocky shore - Features of littoral rock - on bedrock	Rocky shore	0.00
Intertidal sediment - Littoral sediments dominated by aquatic angiosperms - on bedrock	Intertidal sediment	0.00
Intertidal sediment - Littoral biogenic reefs - on bedrock	Intertidal sediment	0.00
Total impact to be addressed through separate mechanism		0.00

Any rows highlighted in red within this table highlight habitat types that require further compensation in order to deliver the required number of units to reach no net loss

High								
Habitat group	Group	On-Site units lost	Units delivered on-site	On Site Unit Change	Units delivered off-site	Project wide Unit Change	Percentage change above loss	losses not yet accounted for
Cropland - Traditional orchards	Cropland	0.00	0.00	0.00	0.00	0.00		
Grassland - Floodplain Wetland Mosaic (CFGM)	Grassland	0.00	0.00	0.00	0.00	0.00		
Grassland - Lowland calcareous grassland	Grassland	0.00	0.00	0.00	0.00	0.00		
Grassland - Tall herb communities	Grassland	0.00	0.00	0.00	0.00	0.00		
Grassland - Upland calcareous grassland	Grassland	0.00	0.00	0.00	0.00	0.00		
Heathland and shrub - Lowland Heathland	Grassland	0.00	0.00	0.00	0.00	0.00		
Heathland and shrub - Sea buckthorn scrub (Annex 1)	Heathland and shrub	0.00	0.00	0.00	0.00	0.00		
Heathland and shrub - Upland Heathland	Heathland and shrub	0.00	0.00	0.00	0.00	0.00		
Lakes - High alkalinity lakes	Lakes	0.00	0.00	0.00	0.00	0.00		
Lakes - Low alkalinity lakes	Lakes	0.00	0.00	0.00	0.00	0.00		
Lakes - Marl Lakes	Lakes	0.00	0.00	0.00	0.00	0.00		
Lakes - Moderate alkalinity lakes	Lakes	0.00	0.00	0.00	0.00	0.00		
Lakes - Peat Lakes	Lakes	0.00	0.00	0.00	0.00	0.00		
Lakes - Ponds (Priority Habitat)	Lakes	0.00	0.00	0.00	0.00	0.00		
Lakes - Temporary lakes, ponds and pools	Lakes	0.00	0.00	0.00	0.00	0.00		
Sparsely vegetated land - Coastal sand dunes	Sparsely vegetated land	0.00	0.00	0.00	0.00	0.00		
Sparsely vegetated land - Coastal vegetated shingle	Sparsely vegetated land	0.00	0.00	0.00	0.00	0.00		
Sparsely vegetated land - Inland rock outcrop and scree habitats	Sparsely vegetated land	0.00	0.00	0.00	0.00	0.00		
Sparsely vegetated land - Maritime cliff and slopes	Sparsely vegetated land	0.00	0.00	0.00	0.00	0.00		
Urban - Open Mosaic Habitats on Previously Developed Land	Urban	0.00	0.00	0.00	0.00	0.00		
Wetland - Reedbeds	Wetland	0.00	0.00	0.00	0.00	0.00		
Woodland and forest - Lowland beech and yew woodland	Woodland and forest	0.00	0.00	0.00	0.00	0.00		
Woodland and forest - Lowland mixed deciduous woodland	Woodland and forest	0.00	0.00	0.00	0.00	0.00		
Woodland and forest - Native pine woodlands	Woodland and forest	0.00	0.00	0.00	0.00	0.00		
Woodland and forest - Upland birchwoods	Woodland and forest	0.00	0.00	0.00	0.00	0.00		
Woodland and forest - Upland mixed ashwoods	Woodland and forest	0.00	0.00	0.00	0.00	0.00		
Woodland and forest - Upland oakwood	Woodland and forest	0.00	0.00	0.00	0.00	0.00		
Woodland and forest - Wet woodland	Woodland and forest	0.00	0.00	0.00	0.00	0.00		
Woodland and forest - Wood-pasture and parkland	Woodland and forest	0.00	0.00	0.00	0.00	0.00		
Coastal lagoons - Coastal lagoons	Coastal lagoons	0.00	0.00	0.00	0.00	0.00		
Rocky shore - High energy littoral rock	Rocky shore	0.00	0.00	0.00	0.00	0.00		
Rocky shore - Moderate energy littoral rock	Rocky shore	0.00	0.00	0.00	0.00	0.00		
Rocky shore - Low energy littoral rock	Rocky shore	0.00	0.00	0.00	0.00	0.00		
Rocky shore - Features of littoral rock	Rocky shore	0.00	0.00	0.00	0.00	0.00		
Intertidal sediment - Littoral coarse sediment	Intertidal sediment	0.00	0.00	0.00	0.00	0.00		
Intertidal sediment - Littoral sand and muddy sand	Intertidal sediment	0.00	0.00	0.00	0.00	0.00		
Intertidal sediment - Littoral mud	Intertidal sediment	0.00	0.00	0.00	0.00	0.00		
Intertidal sediment - Littoral mixed sediments	Intertidal sediment	0.00	0.00	0.00	0.00	0.00		
Coastal Saltmarsh -saltmarshes and saline reedbeds	Coastal Saltmarsh	0.00	0.00	0.00	0.00	0.00		
Intertidal sediment - Littoral sediments dominated by aquatic angiosperms	Intertidal sediment	0.00	0.00	0.00	0.00	0.00		
Intertidal sediment - Littoral biogenic reefs	Intertidal sediment	0.00	0.00	0.00	0.00	0.00		
Intertidal sediment - Features of littoral sediment	Intertidal sediment	0.00	0.00	0.00	0.00	0.00		
				0.00	0.00	0.00		0.00

cumulative positive - this sums only the positive values in order for them to be utilised to offset any deficit in lower distinctiveness bands

0.00

High Trading Acceptable

Trading Down Liability High Distinctiveness/Units

0.00

Not Like For Like/Units

0.00

Medium

Habitat Group	Group	On-Site units lost	Units delivered on-site	On site unit change	Units delivered off-site	Project wide unit change	Percentage change above loss	losses not yet accounted for
Cropland - Arable field margins cultivated annually	Cropland	0.00	0.00	0.00	0.00	0.00		
Cropland - Arable field margins game bird mix	Cropland	0.00	0.00	0.00	0.00	0.00		
Cropland - Arable field margins pollen & nectar	Cropland	0.00	0.00	0.00	0.00	0.00		
Cropland - Arable field margins tussocky	Cropland	0.00	0.00	0.00	0.00	0.00		
Cropland - Cereal crops winter stubble	Cropland	0.00	0.00	0.00	0.00	0.00		
Grassland - Bracken	Grassland	0.00	0.00	0.00	0.00	0.00		
Grassland - Other lowland acid grassland	Grassland	0.00	0.00	0.00	0.00	0.00		
Grassland - Other neutral grassland	Grassland	18.08	29.28	11.20	0.00	11.20		
Grassland - Upland acid grassland	Grassland	0.00	0.00	0.00	0.00	0.00		
Heathland and shrub - Blackthorn scrub	Heathland and shrub	0.00	0.00	0.00	0.00	0.00		
Heathland and shrub - Bramble scrub	Heathland and shrub	0.00	0.00	0.00	0.00	0.00		
Heathland and shrub - Gorse scrub	Heathland and shrub	0.00	0.00	0.00	0.00	0.00		
Heathland and shrub - Hawthorn scrub	Heathland and shrub	0.00	0.00	0.00	0.00	0.00		
Heathland and shrub - Hazel scrub	Heathland and shrub	0.00	0.00	0.00	0.00	0.00		
Heathland and shrub - Mixed scrub	Heathland and shrub	1.68	29.18	27.50	0.00	27.50		
Heathland and shrub - Sea buckthorn scrub (other)	Heathland and shrub	0.00	0.00	0.00	0.00	0.00		
Lakes - Ditches	Lakes	0.76	2.03	1.27	0.00	1.27		
Lakes - Reservoirs	Lakes	0.00	0.00	0.00	0.00	0.00		
Sparsely vegetated land - Calaminarian grasslands	Sparsely vegetated land	0.00	0.00	0.00	0.00	0.00		
Sparsely vegetated land - Other inland rock and scree	Sparsely vegetated land	0.00	0.00	0.00	0.00	0.00		
Urban - Allotments	Urban	0.00	0.00	0.00	0.00	0.00		
Urban - Artificial lake or pond	Urban	0.00	0.00	0.00	0.00	0.00		
Urban - Brown roof	Urban	0.00	0.00	0.00	0.00	0.00		
Urban - Cemeteries and churchyards	Urban	0.00	0.00	0.00	0.00	0.00		
Urban - Extensive green roof	Urban	0.00	0.00	0.00	0.00	0.00		
Urban - Orchard	Urban	0.00	0.00	0.00	0.00	0.00		
Urban - Woodland	Urban	0.00	0.00	0.00	0.00	0.00		
Woodland and forest - Felled	Woodland and forest	0.00	0.00	0.00	0.00	0.00		
Woodland and forest - Other Scot's Pine woodland	Woodland and forest	0.00	0.00	0.00	0.00	0.00		
Woodland and forest - Other woodland; broadleaved	Woodland and forest	0.00	0.00	0.00	0.00	0.00		
Woodland and forest - Other woodland; mixed	Woodland and forest	0.00	0.00	0.00	0.00	0.00		
Woodland and forest - Other woodland; Young Trees planted	Woodland and forest	0.00	0.00	0.00	0.00	0.00		
			39.97	0.00		39.97		0.00

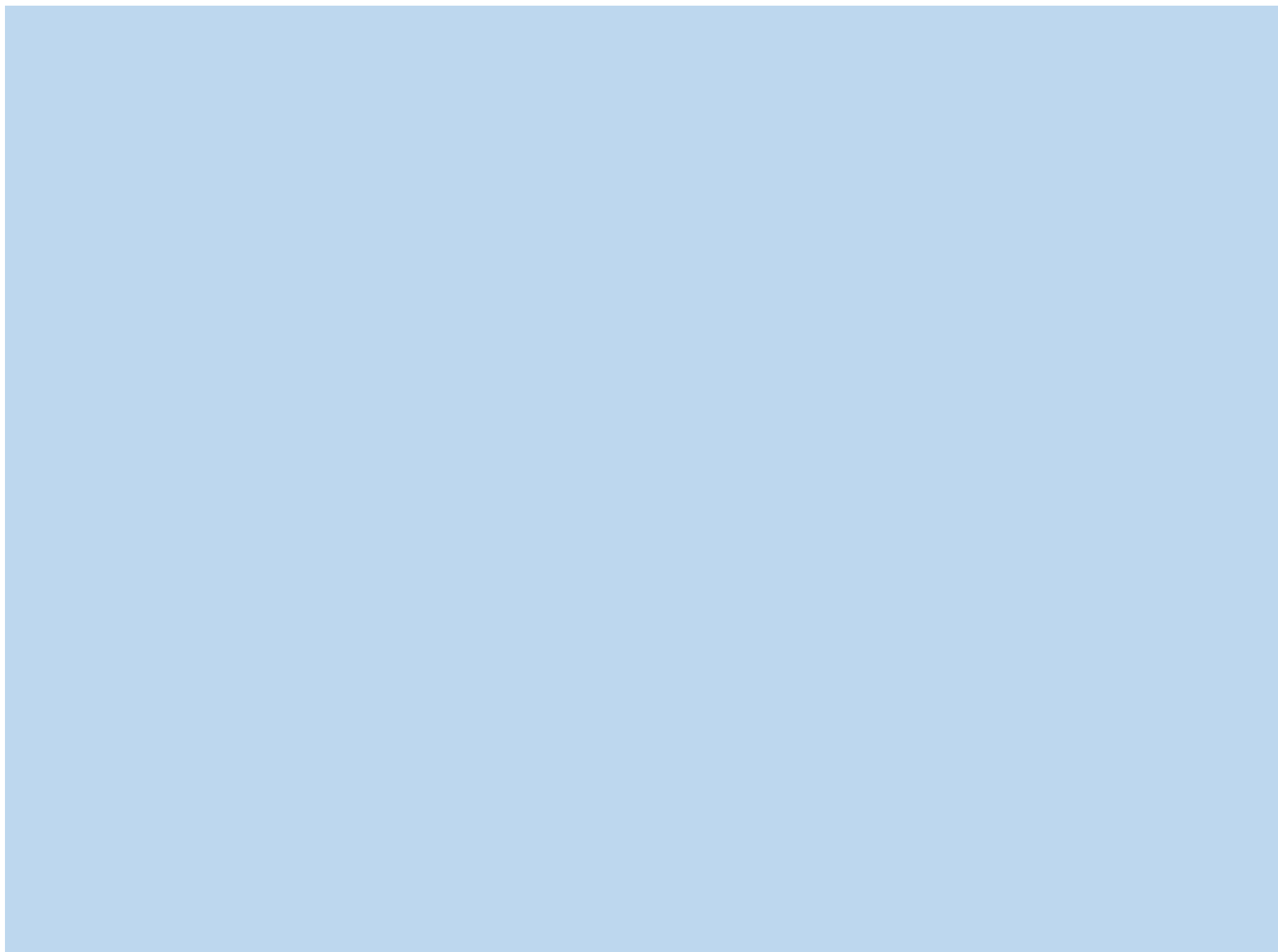
Medium cumulative offset plus high surplus, this number must be a positive when offsite compensation is factored in	39.97
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Medium Trading Acceptable	
Trading Down Liability Medium Distinctiveness/Units Not Like For Like or Better/Units	0.00
Cumulative Trading Error	0.00

Low								
Habitat group	Group	On-site units lost	Units delivered on-site	On site unit change	Units delivered off-site	Project wide unit change	Percentage change above loss	losses not yet accounted for
Cropland - Cereal crops	Cropland	0.00	0.00	0.00	0.00	0.00		
Cropland - Cereal crops other	Cropland	0.00	0.00	0.00	0.00	0.00		
Cropland - Horticulture	Cropland	0.00	0.00	0.00	0.00	0.00		
Cropland - Intensive orchards	Cropland	0.00	0.00	0.00	0.00	0.00		
Cropland - Non-cereal crops	Cropland	0.00	0.00	0.00	0.00	0.00		
Cropland - Temporary grass and clover leys	Cropland	0.00	0.00	0.00	0.00	0.00		
Grassland - Modified grassland	Grassland	23.92	0.78	-23.14	0.00	-23.14		-23.14
Heathland and shrub - Rhododendron scrub	Grassland	0.00	0.00	0.00	0.00	0.00		
Sparsely vegetated land - Ruderal/Ephemeral	Heathland and shrub	2.64	0.00	-2.64	0.00	-2.64		-2.64
Urban - Bioswale	Sparsely vegetated land	0.00	0.00	0.00	0.00	0.00		
Urban - Façade-bound green wall	Urban	0.00	0.00	0.00	0.00	0.00		
Urban - Ground based green wall	Urban	0.00	0.00	0.00	0.00	0.00		
Urban - Ground level planters	Urban	0.00	0.00	0.00	0.00	0.00		
Urban - Intensive green roof	Urban	0.00	0.00	0.00	0.00	0.00		
Urban - Introduced shrub	Urban	0.00	0.17	0.17	0.00	0.17		
Urban - Amenity grassland	Urban	0.00	2.57	2.57	0.00	2.57		
Urban - Rain garden	Urban	0.00	0.00	0.00	0.00	0.00		
Urban - Sand pit quarry or open cast mine	Urban	0.00	0.00	0.00	0.00	0.00		
Urban - Street Tree	Urban	0.00	1.78	1.78	0.00	1.78		
Urban - Suburban/ mosaic of developed/ natural surface	Urban	0.00	0.00	0.00	0.00	0.00		
Urban - Sustainable urban drainage feature	Urban	0.00	0.00	0.00	0.00	0.00		
Urban - Vacant/derelict land/ bareground	Urban	0.58	0.00	-0.58	0.00	-0.58		-0.58
Urban - Vegetated garden	Urban	0.00	0.00	0.00	0.00	0.00		
Woodland and forest - Other coniferous woodland	Urban	0.00	0.00	0.00	0.00	0.00		
Woodland and forest - Other coniferous woodland	Woodland and forest	0.00	0.00	0.00	0.00	0.00		
Rocky shore - Artificial high energy littoral rock	Rocky shore	0.00	0.00	0.00	0.00	0.00		
Rocky shore - Artificial moderate energy littoral rock	Rocky shore	0.00	0.00	0.00	0.00	0.00		
Rocky shore - Artificial low energy littoral rock	Rocky shore	0.00	0.00	0.00	0.00	0.00		
Rocky shore - Artificial features of littoral rock	Rocky shore	0.00	0.00	0.00	0.00	0.00		
Intertidal sediment - Artificial littoral coarse sediment	Intertidal sediment	0.00	0.00	0.00	0.00	0.00		
Intertidal sediment - Artificial littoral sand and muddy sand	Intertidal sediment	0.00	0.00	0.00	0.00	0.00		
Intertidal sediment - Artificial littoral mud	Intertidal sediment	0.00	0.00	0.00	0.00	0.00		
Intertidal sediment - Artificial littoral mixed sediments	Intertidal sediment	0.00	0.00	0.00	0.00	0.00		
Intertidal sediment - Artificial littoral sediments dominated by aquatic angiosperms	Intertidal sediment	0.00	0.00	0.00	0.00	0.00		
Intertidal sediment - Artificial littoral biogenic reefs	Intertidal sediment	0.00	0.00	0.00	0.00	0.00		
Intertidal sediment - Artificial features of littoral sediment	Intertidal sediment	0.00	0.00	0.00	0.00	0.00		
			-21.83		-21.83			-26.36

Low cumulative offset plus high and medium surplus, this number must be a positive when offsite compensation is factored in	44.49
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Low Trading Acceptable	
Trading Down Liability High Distinctiveness/Units	0.00
Cumulative Trading Error	0.00
Overall Trading Acceptable	



## A-1 Site Habitat Baseline

## Instructions

	Habitats and areas			Habitat distinctiveness		Habitat condition		Ecological connectivity			Strategic significance	
Ref	Broad Habitat	Habitat type	Area (hectares)	Distinctiveness	Score	Condition	Score	Ecological connectivity	Connectivity	Connectivity multiplier	Strategic significance	Strategic significance
1	Urban	Urban - Vacant/derelict land/ bareground	0.29	Low	2	Poor	1	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance
2	Urban	Urban - Developed land; sealed surface	0.19	V.Low	0	N/A - Other	0	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance
3	Urban	Urban - Street Tree	0.01	Low	2	Moderate	2	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance
4	Heathland and shrub	Heathland and shrub - Mixed scrub	0.42	Medium	4	Poor	1	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance
5	Urban	Urban - Developed land; sealed surface	0.59	V.Low	0	N/A - Other	0	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance
6	Grassland	Grassland - Modified grassland	13.11	Low	2	Poor	1	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance
7	Grassland	Grassland - Other neutral grassland	3.84	Medium	4	Moderate	2	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance
8	Lakes	Lakes - Ditches	0.1	Medium	4	Moderate	2	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance
9	Lakes	Lakes - Ditches	0.13	Medium	4	Poor	1	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance
10	Sparsely vegetated land	Sparsely vegetated land - Ruderal/Ephemeral	0.65	Low	2	Moderate	2	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance
11	Sparsely vegetated land	Sparsely vegetated land - Ruderal/Ephemeral	0.02	Low	2	Poor	1	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance
12												
13												
14												
15												
16												
17												
		Total site area ha	19.34									





## A-2 Site Habitat Creation

## Instructions

Post development/ post intervention habitats														
Proposed habitat	Area (hectares)	Distinctiveness	Score	Condition	Score	Ecological connectivity			Strategic significance			Temporal multiplier		Difficulty
						Ecological connectivity	Connectivity	Connectivity multiplier	Strategic significance	Strategic significance	Strategic position multiplier	Time to target condition/years	Time to target multiplier	Difficulty of creation category
Urban - Introduced shrub	0.09	Low	2	Poor	1	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	1	0.965	Low
Urban - Artificial unvegetated, unsealed surface	0.05	V.Low	0	N/A - Other	0	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	1.000	Low
Urban - Amenity grassland	1.33	Low	2	Poor	1	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	1	0.965	Low
Grassland - Other neutral grassland	0.02	Medium	4	Moderate	2	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	10	0.700	Low
Heathland and shrub - Mixed scrub	3.12	Medium	4	Good	3	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	7	0.779	Low
Urban - Developed land; sealed surface	10.46	V.Low	0	N/A - Other	0	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	1.000	Low
Urban - Street Tree	1.14	Low	2	Moderate	2	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	27	0.382	Low
Grassland - Other neutral grassland	0.81	Medium	4	Good	3	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	15	0.586	Low
Lakes - Ditches	0.38	Medium	4	Poor	1	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	1	0.965	Low
Grassland - Modified grassland	0.28	Low	2	Moderate	2	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	10	0.700	Low
Totals	16.54													

multipliers			
Difficulty of creation multiplier	Habitat units delivered	Comments	
		Assessor comments	Reviewer comments
1	0.17	Ornamental planting	
1	0.00	Gravel path	
1	2.57	Amenity grassland.	
1	0.11	Flowering lawn mixture	
1	29.18	Native Feathered tree and shrub mix; Native swathe planting, Native shrub mix. Condition score based on the fact that the habitat will need to be managed for black and brown hairsreak therefore robust management will be needed including provision of young scrub for the butterfly species, requiring an ecologically sensitive management regime.	
1	0.00	Buildings and hardstanding	
1	1.74	Planted trees	
1	5.70	Species rich meadow grass; Tussock grass mixture. Condition score based on the fact that the habitat will need to be managed for reptiles therefore robust management will be needed to ensure management to create a variety of sward heights, a diversity of forb and grass species and management to previous undesirable species, requiring an ecologically sensitive management regime.	
1	1.47	Created ditch. Condition score given as worst case scenario based on low water levels throughout year as with current ditch, which may have impacts on other criteria	
1	0.78	Wetland meadow grass in attenuation basin. Condition as moderate as likely to meet criteria except that of displaying characteristics of Priority Habitat	
Total Units	41.72		

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A-3 Site Habitat Enhancement

Condense / Show Columns

Condense / Show Rows

Main Menu

Instructions

		Post development/ post intervention habitats					
Baseline habitats		Change in distinctiveness and condition			Area (hectares)	Distinctiveness	Condition
Baseline ref	Baseline habitat	Proposed habitat (Pre-populated but can be overridden)	Distinctiveness change	Condition change			
6	Grassland - Modified grassland	Grassland - Other neutral grassland	Low - Medium	Lower Distinctiveness Habitat - Moderate	1.15	Medium	Moderate
7	Grassland - Other neutral grassland	Grassland - Other neutral grassland	Medium - Medium	Moderate - Good	1.58	Medium	Good
Total site area					2.73		

Ecological connectivity	Strategic significance	Temporal multiplier	Difficulty multipliers	Habitat units delivered	Comments	
Ecological connectivity score	Strategic significance	Time to target condition/years	Difficulty of enhancement category		Assessor comments	Reviewer comments
Low	Area/compensation not in local strategy/ no local strategy	10	Low	7.13	Modified grassland (improved) enhanced to better quality 'modified grassland' with use of wetland meadow grass mixture around attenuation ponds. Condition as moderate as likely to meet criteria except that of displaying characteristics of Priority Habitat	
Low	Area/compensation not in local strategy/ no local strategy	15	Low	16.34	Semi-improved grassland and improved grassland enhanced to 'other neutral grassland' with use of species rich meadow grass mixture. Condition score based on the fact that the habitat will need to be managed for reptiles therefore robust management will be needed to ensure management to create a variety of sward heights, a diversity of forb and grass species and management to previous undesirable species, requiring an ecologically sensitive management regime.	
			Enhancement total	23.48		

### B-1 Site Hedge Baseline

## Instructions

	UK Habitats - existing habitats			Habitat distinctiveness		Habitat condition		Ecological connectivity			Strategic signif
Baseline ref	Hedge number	Hedgerow type	length KM	Distinctiveness	Score	Condition	Score	Ecological connectivity	Connectivity	Connectivity multiplier	Strategic significance
1	H1	Native Hedgerow	0.027	Low	2	Good	3	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy
2	H3	Native Hedgerow	0.116	Low	2	Good	3	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy
3	H4	Native Hedgerow	0.212	Low	2	Good	3	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy
4	H5	Native Hedgerow	0.39	Low	2	Good	3	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy
5	H8	Native Hedgerow	0.038	Low	2	Good	3	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy
6	H13	Native Hedgerow - Associated with bank or ditch	0.346	Medium	4	Good	3	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy
7	H6	Native Hedgerow with trees	0.238	Low	2	Good	3	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy
8	H7	Native Hedgerow with trees	0.148	Low	2	Good	3	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy
9		Line of Trees	0.421	Low	2	Poor	1	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy
10											
11											
12											
13											
14											
		Total Site length/KM	1.94								



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## B-2 Site Hedge Creation

Condense / Show Columns

Condense / Show Rows

[Main Menu](#)

## Instructions

Multipliers			
Spatial quality			
Ecological connectivity			Strategic significance
Ecological connectivity	Connectivity	Connectivity multiplier	Strategic significance
Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy
Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy
Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy



		Temporal multiplier		Difficulty of creation multiplier	Hedge units delivered	Comments	
nce							
Strategic significance	Strategic position multiplier	Time to target condition/years	Time to target multiplier			Assessor comments	Reviewer comments
Low Strategic Significance	1	10	0.700	0.67	4.70		
Low Strategic Significance	1	10	0.700	1	1.73		
Low Strategic Significance	1	20	0.490	1	1.90		
					8.33		