The Biodiversity Metric 2.0 - Calculation Tool
Start page

Project details

Planning authority:	
Project name:	Desal_Meon_DS5_Habitat
Applicant:	Southern Water
Application type:	
Planning application reference:	
Assessor:	TP
Reviewer:	LP
Revision:	
Assessment date:	28/04/2021
Planning authority reviewer:	

Cell style conventions

	Enter data
	Automatic lookup
	Result

Instructions

Main menu

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		0.0000
Large		0.0000
Total	0.00	0.0000

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Start here

1 → 2 → 3 → 4

On-site baseline

- A-1 On-site habitat
- B-1 On-site hedge baseline
- 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

The Biodiversity Metric 2.0 - Calculation Tool

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Headline results

Detailed results

Habitat trading summary

Desal_Meon_DS5_Habitat

Headline Results

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On-site baseline	*Habitat units*	[redacted]
	Hedgerow units	
	River units	
On-site post-intervention (including habitat retention, creation, enhancement & succession)	*Habitat units*	
	Hedgerow units	
	River units	
Off-site baseline	*Habitat units*	
	Hedgerow units	
	River units	
Off-site post-intervention (including habitat retention, creation, enhancement & succession)	*Habitat units*	
	Hedgerow units	
	River units	
Total net unit change (including all on-site & off-site habitat retention/creation)	*Habitat units*	
	Hedgerow units	
	River units	
Total net % change (including all on-site & off-site habitat creation + retained habitats)	*Habitat units*	
	Hedgerow units	
	River units	

Desal_Meon_DS5_Habitat
Detailed Results

Return to results menu

Summary Figures

Net project biodiversity units (including all on-site & off-site habitat retention/creation)	
Habitat units	[redacted]
Hedgerow units	[redacted]
River units	[redacted]

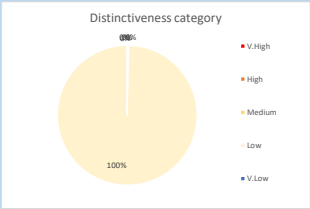
Total project biodiversity % change (including all On-site & Off-site Habitat Creation + Retained Habitats)	
Habitat units	[redacted]
Hedgerow units	[redacted]
River units	[redacted]

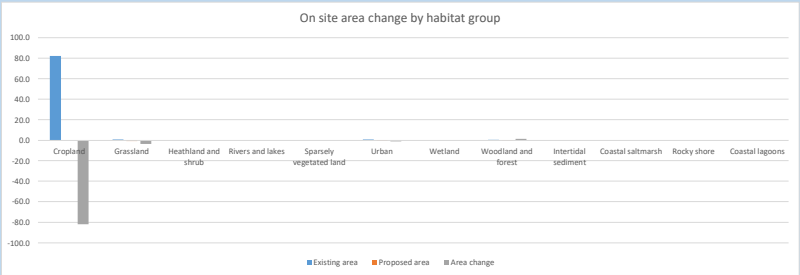
On-site habitat retention and enhancement

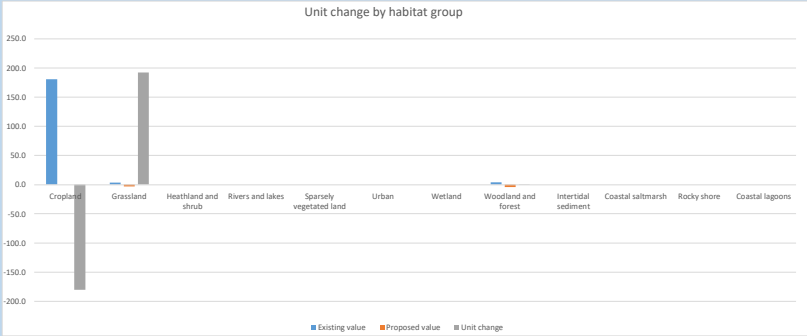
	Habitats	Hedgerows	Rivers
Total site area / length	[redacted]		
Total site units			
Area / length retained			
Units Retained			
Area / length enhanced			
Baseline units enhanced			
Area / length succession			
Units succession			
Area / length lost			
Units lost			

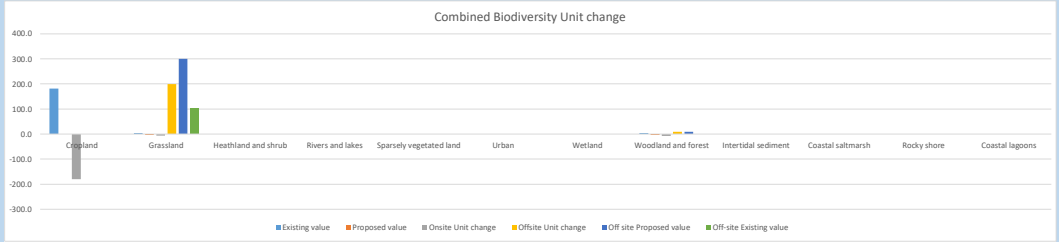
a lost by distinctiveness b

Category	Area lost (hectares)	Area lost (%)
V.High	[redacted]	
High		
Medium		
Low		
V.Low		



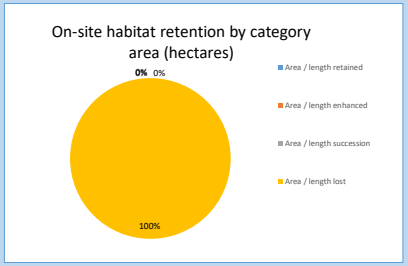


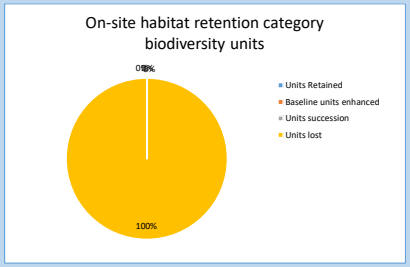




On-site	Baseline		Post development on site		Onsite Change	
Habitat group	Existing area	Existing value	Proposed area	Proposed value	Area change	Onsite Unit change
Cropland	[redacted]					
Grassland						
Heathland and shrub						
Rivers and lakes						
Sparsely vegetated land						
Urban						
Wetland						
Woodland and forest						
Intertidal sediment						
Coastal saltmarsh						
Rocky shore						
Coastal lagoons						

Overall Change	
Area change	Unit change
[redacted]	





Off-site	Baseline		Post development Off-site		Off-site Change	
Habitat group	Existing area	Off-site Existing value	Proposed area	Off site Proposed value	Area change	Offsite Unit change
Cropland						

Grassland	[redacted]
Heathland and shrub	
Rivers and lakes	
Sparsely vegetated land	
Urban	
Wetland	
Woodland and forest	
Intertidal sediment	
Coastal saltmarsh	
Rocky shore	
Coastal lagoons	

Combined	Baseline		Combined Post development		Combined change	
Habitat group	Existing area	Existing value	Proposed area	Proposed value	Proposed area	Proposed value
Cropland	[redacted]					
Grassland						
Heathland and shrub						
Rivers and lakes						
Sparsely vegetated land						
Urban						
Wetland						
Woodland and forest						
Intertidal sediment						
Coastal saltmarsh						
Rocky shore						
Coastal lagoons						

Desal_Meon_DSS_Habitat

A-1 Site Habitat Baseline

Condense / Show Columns | Condense / Show Rows

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	Habitats and areas			Habitat distinctiveness		Habitat condition		Ecological connectivity			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	Ecological connectivity	Connectivity	Connectivity multiplier	Strategic significance	Strategic significance	Strategic position multiplier	Suggested action to address habitat losses	Total habitat units	Area retained	Area enhanced	Area succession	Baseline units retained	Baseline units enhanced	Baseline units succession	Area lost	Units lost		Assessor comments	Reviewer comments
1	Cropland	Cropland - Cereal crops	[redacted]	Low	2	N/A - Agricultural	1	Low	Unconnected habitat	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same distinctiveness or better habitat required	[redacted]				0.00	0.00	0.00	[redacted]	[redacted]			
2	Grassland	Grassland - Modified grassland	[redacted]	Low	2	Moderate	2	Low	Unconnected habitat	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same distinctiveness or better habitat required	[redacted]				0.00	0.00	0.00	[redacted]	[redacted]			
3	Urban	Urban - Developed land; sealed surface	[redacted]	V.Low	0	N/A - Other	0	N/A	Assessment not appropriate	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Compensation Not Required	[redacted]				0.00	0.00	0.00	[redacted]	[redacted]			
4	Urban	Urban - Built linear features	[redacted]	V.Low	0	N/A - Other	0	N/A	Assessment not appropriate	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Compensation Not Required	[redacted]				0.00	0.00	0.00	[redacted]	[redacted]			
5	Woodland and forest	Woodland and forest - Lowland mixed deciduous woodland	[redacted]	High	6	Moderate	2	medium	Moderately connected habitat	1.1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same habitat required	[redacted]				0.00	0.00	0.00	[redacted]	[redacted]			
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	Total site area ha													Total Site baseline		0.00	0.00	0.00	0.00	0.00	0.00						

Desal_Meon_DS5_Habitat

A-2 Site Habitat Creation

Condense / Show Columns | Condense / Show Rows

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						Post development/ post intervention habitats												
						Ecological connectivity			Strategic significance			Temporal multiplier		Difficulty multipliers			Comments	
Proposed habitat	Area (hectares)	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	Difficulty of creation category	Difficulty of creation multiplier	Habitat units delivered	Assessor comments	Reviewer comments

Totals															Total Units		

Check Areas- Area of development and habitat creation must match the area of habitats lost

Desal_Meon_DSS_Habitat

B-1 Site Hedge Baseline

Condense / Show Columns | Condense / Show Rows

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	UK Habitats - existing habitats			Habitat distinctiveness		Habitat condition		Ecological connectivity			Strategic significance				Ecological baseline	Retention category biodiversity value						Comments	
Baseline ref	Hedge number	Hedgerow type	length KM	Distinctiveness	Score	Condition	Score	Ecological connectivity	Connectivity	Connectivity multiplier	Strategic significance	Strategic significance	Strategic position multiplier	Suggested action to address habitat losses	Total hedgerow units	Length retained	Length enhanced	Units retained	Units enhanced	Length lost	Units lost	Assessor comments	Reviewer comments
1		Native Species Rich Hedgerow		Medium	4	Moderate	2	Medium	Moderately connected habitat	1.1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Like for like or better				0	0				
2		Native Species Rich Hedgerow		Medium	4	Moderate	2	Medium	Moderately connected habitat	1.1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Like for like or better				0	0				
3		Native Species Rich Hedgerow		Medium	4	Moderate	2	Medium	Moderately connected habitat	1.1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Like for like or better				0	0				
4		Native Species Rich Hedgerow		Medium	4	Moderate	2	Medium	Moderately connected habitat	1.1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Like for like or better				0	0				
5		Native Species Rich Hedgerow		Medium	4	Moderate	2	Medium	Moderately connected habitat	1.1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Like for like or better				0	0				
6		Native Species Rich Hedgerow		Medium	4	Moderate	2	Medium	Moderately connected habitat	1.1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Like for like or better				0	0				
7		Native Species Rich Hedgerow		Medium	4	Moderate	2	Medium	Moderately connected habitat	1.1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Like for like or better				0	0				
8		Native Species Rich Hedgerow		Medium	4	Moderate	2	Medium	Moderately connected habitat	1.1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Like for like or better				0	0				
9		Native Species Rich Hedgerow		Medium	4	Moderate	2	Medium	Moderately connected habitat	1.1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Like for like or better				0	0				
10		Native Species Rich Hedgerow		Medium	4	Moderate	2	Medium	Moderately connected habitat	1.1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Like for like or better				0	0				
11		Native Species Rich Hedgerow		Medium	4	Moderate	2	Medium	Moderately connected habitat	1.1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Like for like or better				0	0				
12		Native Species Rich Hedgerow		Medium	4	Moderate	2	Medium	Moderately connected habitat	1.1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Like for like or better				0	0				
13		Native Species Rich Hedgerow		Medium	4	Moderate	2	Medium	Moderately connected habitat	1.1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Like for like or better				0	0				
14		Native Species Rich Hedgerow		Medium	4	Moderate	2	Medium	Moderately connected habitat	1.1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Like for like or better				0	0				
15		Native Species Rich Hedgerow		Medium	4	Moderate	2	Medium	Moderately connected habitat	1.1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Like for like or better				0	0				
16		Native Species Rich Hedgerow		Medium	4	Moderate	2	Medium	Moderately connected habitat	1.1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Like for like or better				0	0				
17		Native Species Rich Hedgerow		Medium	4	Moderate	2	Medium	Moderately connected habitat	1.1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Like for like or better				0	0				
18		Native Species Rich Hedgerow		Medium	4	Moderate	2	Medium	Moderately connected habitat	1.1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Like for like or better				0	0				
19		Native Species Rich Hedgerow		Medium	4	Moderate	2	Medium	Moderately connected habitat	1.1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Like for like or better				0	0				
20		Native Species Rich Hedgerow		Medium	4	Moderate	2	Medium	Moderately connected habitat	1.1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Like for like or better				0	0				
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		Total Site length/KM												Total Site baseline		0.00	0.00	0.00	0.00					

Desal_Meon_DS5_Habitat

B-2 Site Hedge Creation

Condense / Show Columns | Condense / Show Rows

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		Proposed habitats		Habitat distinctiveness		Habitat condition		Multipliers: Ecological connectivity			Multipliers: Spatial quality: Strategic significance			Multipliers: Temporal multiplier		Difficulty of creation multiplier	Hedge units delivered	Comments	
Baseline ref	New hedge number	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			Assessor comments	Reviewer comments
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		Creation Length/KM																	

Desal_Meon_DS5_Habitat

D-1 Off Site Habitat Baseline

Condense / Show Columns | Condense / Show Rows

Main Menu | Instructions

	Habitats and areas			Habitat distinctiveness		Habitat condition		Ecological connectivity			Strategic significance				Ecological baseline	Retention category biodiversity value								Bespoke compensation agreed for unacceptable losses	Comments	
Baseline ref	Broad habitat	Habitat type	Area (hectares)	Distinctiveness	Score	Condition	Score	Ecological connectivity	Connectivity	Connectivity multiplier	Strategic significance	Strategic significance	Strategic position multiplier	Suggested action to address habitat losses	Total habitat units	Area retained	Area enhanced	Area succession	Baseline units retained	Baseline units enhanced	Baseline units succession	Area lost	Units lost		Assessor comments	Reviewer comments
1	Grassland	Grassland - Modified grassland		Low	2	Poor	1	Low	Unconnected habitat	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same distinctiveness or better habitat required			44		0	96.80	0.00					
2	Grassland	Grassland - Modified grassland		Low	2	Poor	1	Low	Unconnected habitat	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same distinctiveness or better habitat required				2	0	0.00	4.40					
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Desal_Meon_D55_Habitat

D-2 Off Site Habitat Creation

Condense / Show Columns | Condense / Show Rows

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						Post development/ post intervention habitats														
						Ecological connectivity			Strategic significance			Temporal multiplier		Difficulty multipliers		Spatial risk multiplier			Comments	
Proposed habitat	Area ha	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	Difficulty of creation category	Difficulty of creation multiplier	Spatial risk category	Spatial risk multiplier	Habitat units delivered	Assessor comments	Reviewer comments

Totals	[redacted]	Total Units	[redacted]

Desal_Meon_DS5_Habitat

D-3 Off Site Habitat Enhancment

Condense / Show Columns | Condense / Show Rows

Main Menu | Instructions

	Baseline habitats	Post development/ post intervention habitats												Comments	
		Change in distinctiveness and condition			Area ha	Distinctiveness	Condition	Ecological connectivity	Strategic significance	Temporal multiplier	Difficulty multipliers	Spatial risk multiplier			
Baseline ref	Baseline habitat	Proposed habitat (Pre-Populated but can be overridden)	Distinctiveness change	Condition change				Ecological connectivity score	Strategic significance	Time to target condition/years	Difficulty of enhancement category	Spatial risk category	Habitat units delivered	Assessor comments	Reviewer comments
1	Grassland - Modified grassland	Grassland - Other neutral grassland	Low - Medium	Lower Distinctiveness Habitat - Moderate		Medium	Moderate	Low	Location ecologically desirable but not in local strategy	10	Low	Compensation inside LPA or NCA, or deemed to be sufficiently local, to site of biodiversity loss			

Total site area	[redacted]
Total off-site area	[redacted]

Desal_Meon_DS5_Habitat

D-4 Off Site Habitat Succession

Condense / Show Columns | Condense / Show Rows

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	Baseline habitats	Post development/ post intervention habitats													Comments	
			Change in distinctiveness and condition					Ecological connectivity	Strategic significance	Temporal multiplier	Difficulty multipliers	Spatial risk multiplier	Habitat units delivered			
Baseline ref	Baseline habitat	Proposed habitat	Distinctiveness change	Condition change	Area ha	Distinctiveness	Condition	Ecological connectivity score	Strategic significance	Time to target condition/years	Difficulty of creation category	Spatial risk category			Assessor comments	Reviewer comments
2	Grassland - Modified grassland	Woodland and forest - Lowland mixed deciduous woodland	Low - High	Lower Distinctiveness Habitat - Moderate		High	Moderate	Medium	Location ecologically desirable but not in local strategy	32+	High	Compensation inside LPA or NCA, or deemed to be sufficiently local, to site of biodiversity loss				

				Total site area	[redacted]								[redacted]		

Desal_Meon_DS5_Habitat

E-1 Off Site Hedge Baseline

Condense / Show Columns | Condense / Show Rows

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	Existing hedgerow habitats			Habitat distinctiveness		Habitat condition		Ecological connectivity			Strategic significance				Ecological baseline	Retention category biodiversity value						Comments	
Baseline ref	Hedge number	Hedgerow type	length KM	Distinctiveness	Score	Condition	Score	Ecological connectivity range	Connectivity	Connectivity multiplier	Strategic significance	Strategic significance	Strategic position multiplier	Suggested action	Total hedgerow units	Length retained	Length enhanced	Units retained	Units enhanced	Length lost	Units lost	Assessor comments	Reviewer comments
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Desal_Meon_DS5_Habitat

E-2 Off Site Hedge Creation

Condense / Show Columns | Condense / Show Rows

Main Menu | Instructions

	Proposed habitats							Ecological connectivity			Strategic significance			Spatial risk multiplier		Temporal multiplier		Difficulty multiplier			Comments	
Baseline ref	New hedge number	Habitat type	Length km	Distinctiveness	Score	Condition	Score	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 category	Difficulty of creation multiplier	Hedge units delivered	Assessor comments	Reviewer comments
1		Native Species Rich Hedgerow		Medium	4	Moderate	2	Medium	Moderately connected habitat	1.1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Compensation inside LPA or NCA, or deemed to be sufficiently local, to site of biodiversity loss	1	5	0.837	Medium	0.67			
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E-3 Off Site Hedge Enhancement

Condense / Show Columns | Condense / Show Rows

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	Baseline habitats	Post development/ post intervention habitats												Comments	
			Change in distinctiveness and condition												
Baseline ref	Baseline habitat	Proposed (Pre-Populated but can be overridden)	Distinctiveness movement	Condition movement	Length KM	Distinctiveness	Condition	Ecological connectivity	Strategic significance	Temporal multiplier	Difficulty multipliers	Spatial risk multiplier	Hedge units delivered	Assessor comments	Reviewer comments
									Strategic significance	Time to target condition/years	Difficulty of enhancement category	Spatial risk category			
							Good	Medium	Location ecologically desirable but not in local strategy			Compensation inside LPA or NCA, or deemed to be sufficiently local, to site of biodiversity loss			

Total Off-site Length/KM	[redacted]	[redacted]