The Biodiversity Metric 2.0 - Calculation Tool
Start page

Project details

Planning authority:	
Project name:	Desal_▮▮▮▮▮▮_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

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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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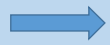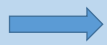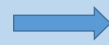
1 → 2 → 3 → 4

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

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

A-1 Site Habitat Baseline

Condense / Show Columns | Condense / Show Rows
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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	Bespoke compensation agreed for unacceptable losses	Assessor comments	Reviewer comments
1	Cropland	Cropland - Cereal crops		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					0.00	0.00	0.00					
2	Grassland	Grassland - Other neutral grassland		Medium	4	Moderate	2	Low	Unconnected habitat	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same broad habitat or a higher distinctiveness habitat required					0.00	0.00	0.00					
3	Grassland	Grassland - Modified grassland		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					0.00	0.00	0.00					
4	Heathland and shrub	Heathland and shrub - Mixed scrub		Medium	4	Moderate	2	Low	Unconnected habitat	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same broad habitat or a higher distinctiveness habitat required					0.00	0.00	0.00					
5	Urban	Urban - Built linear features		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					0.00	0.00	0.00					
6	Woodland and forest	Woodland and forest - Lowland mixed deciduous woodland		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					0.00	0.00	0.00					

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248													

Total site area ha

Total Site baseline

| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |

A-2 Site Habitat Creation

| Condense / Show Columns | Condense / Show Rows |
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Proposed habitat	Area (hectares)	Distinctiveness	Score	Condition	Score	Post development/ post intervention habitats			Strategic significance			Temporal multiplier		Difficulty multipliers		Habitat units delivered	Comments	
						Ecological connectivity												
						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		Assessor comments	Reviewer comments

| Totals | 0.00 | | | | | | | | | | | | | | Total Units | 0.00 |

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

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	Length retained	Length enhanced	Units retained	Units enhanced	Length lost	Units lost	Assessor comments	Reviewer comments
1		Native Species Rich Hedgerow with trees		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 with trees		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 with trees		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 with trees		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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248		Total Site length/KM						Total Site baseline		0.00	0.00	0.00	0.00

B-2 Site Hedge Creation

Condense / Show Columns Condense / Show Rows

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Baseline ref	New hedge number	Proposed habitats		Length km	Habitat distinctiveness		Habitat condition		Ecological connectivity			Strategic significance			Temporal multiplier		Difficulty of creation multiplier	Hedge units delivered	Comments	
		Habitat type			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
1		Native Species Rich Hedgerow with trees		██	Medium	4	Moderate	2	Medium	Moderately connected habitat	1.1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	10	0.700	0.67	██		
2		Native Species Rich Hedgerow with trees		██	Medium	4	Moderate	2	Medium	Moderately connected habitat	1.1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	10	0.700	0.67	██		
3		Native Species Rich Hedgerow with trees		██	Medium	4	Moderate	2	Medium	Moderately connected habitat	1.1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	10	0.700	0.67	██		
4		Native Species Rich Hedgerow with trees		██	Medium	4	Moderate	2	Medium	Moderately connected habitat	1.1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	10	0.700	0.67	██		
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	Creation Length/KM																

D-1 Off Site Habitat Baseline

| Condense / Show Columns | Condense / Show Rows |
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	Habitats and areas			Habitat distinctiveness		Habitat condition		Ecological connectivity			Strategic significance			Suggested action to address habitat losses	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		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 - Other neutral grassland		Medium	4	Poor	1	Low	Unconnected habitat	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same broad habitat or a higher distinctiveness habitat required			3.5		0	15.40	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			4.2	0.2	0	9.24	0.44					
3	Heathland and shrub	Heathland and shrub - Mixed scrub		Medium	4	Poor	1	Low	Unconnected habitat	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same broad habitat or a higher distinctiveness habitat required			0.2		0	0.88	0.00					
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248																			
	Total site area ha									Total Site baseline			0.00	7.90	0.20	0.00	25.52	0.44		

D-2 Off Site Habitat Creation

Condense / Show Columns | Condense / 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		Habitat units delivered	Comments	
						Ecological connectivity															
						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		Assessor comments	Reviewer comments

| Totals | 0.00 | | | | | | | | | | | | | Total Units | 0.00 | | |

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

D-3 Off Site Habitat Enhancment

Condense / Show Columns   Condense / Show Rows

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							Post development/ post intervention habitats							
	Baseline habitats		Change in distinctiveness and condition						Ecological connectivity	Strategic significance	Temporal multiplier	Difficulty multipliers	Spatial risk multiplier		Comments
Baseline ref	Baseline habitat	Proposed habitat (Pre-Populated but can be overridden)	Distinctiveness change	Condition change	Area ha	Distinctiveness	Condition	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 - Other neutral grassland	Grassland - Lowland meadows	Medium - V.High	Lower Distinctiveness Habitat - Moderate		V.High	Moderate	Low	Location ecologically desirable but not in local strategy	10	Medium	Compensation inside LPA or NCA, or deemed to be sufficiently local, to site of biodiversity loss			
2	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			
3	Heathland and shrub - Mixed scrub	Heathland and shrub - Mixed scrub	Medium - Medium	Poor - Moderate		Medium	Moderate	Low	Location ecologically desirable but not in local strategy	5	Low	Compensation inside LPA or NCA, or deemed to be sufficiently local, to site of biodiversity loss			

Total site area

Total off-site area

DesalHabitat

D-4 Off Site Habitat Succession

Condense / Show Columns | Condense / Show Rows

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								Post development/ post intervention habitats						
	Baseline habitats	Proposed habitat	Change in distinctiveness and condition		Area ha	Distinctiveness	Condition	Ecological connectivity	Strategic significance	Temporal multiplier	Difficulty multipliers	Spatial risk multiplier	Habitat units delivered	Comments
Baseline ref	Baseline habitat		Distinctiveness change	Condition change				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

E-1 Off Site Hedge Baseline

Condense / Show Columns | Condense / Show Rows
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Baseline ref	Existing hedgerow habitats				Habitat distinctiveness		Habitat condition		Ecological connectivity			Strategic significance			Suggested action	Ecological baseline	Retention category biodiversity value						Comments	
	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
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			0.95	0	9.196				
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248	Total off-site length/KM										Total Site baseline			0.00	0.95	0.00	9.20					

2

E-3 Off Site Hedge Enhancement

Condense / Show Columns

Condense / Show Rows

Main Menu

Instructions

Baseline habitats		Post development/ post intervention habitats											Hedge units delivered	Comments	
		Change in distinctiveness and condition													
									Strategic significance	Temporal multiplier	Difficulty multipliers	Spatial risk multiplier			
Baseline ref	Baseline habitat	Proposed (Pre-Populated but can be overridden)	Distinctiveness movement	Condition movement	Length KM	Distinctiveness	Condition	Ecological connectivity	Strategic significance	Time to target condition/years	Difficulty of enhancement category	Spatial risk category		Assessor comments	Reviewer comments
1	Native Species Rich Hedgerow	Native Species Rich Hedgerow	Medium - Medium	Moderate - Good	■	Medium	Good	Medium	Location ecologically desirable but not in local strategy	10	Medium	Compensation inside LPA or NCA, or deemed to be sufficiently local, to site of biodiversity loss	■		

2

Total Off-site Length/KM