

The Biodiversity Metric 2.0 - Calculation Tool

Start page

Project details

Planning authority:	Reading Borough Council
Project name:	Palmer Park
Applicant:	
Application type:	
Planning application reference:	
Assessor:	
Reviewer:	
Revision:	
Assessment date:	
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

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Instructions

Technical data

Results

Street tree helper		
Tree size	Tree number	Area
Small		0.0000
Medium		0.0000
Large		0.0000
Total	0.00	0.0000

Start here

1

2

3

4

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

Detailed results

Habitat trading
summary

Palmer Park

Headline Results

Return to
results menu

On-site baseline	Habitat units	6.43
	Hedgerow units	6.85
	River units	0.00
On-site post-intervention (Including habitat retention, creation, enhancement & succession)	Habitat units	6.71
	Hedgerow units	8.55
	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	0.29
	Hedgerow units	1.70
	River units	0.00
Total net % change (including all on-site & off-site habitat creation + retained habitats)	Habitat units	4.45%
	Hedgerow units	24.84%
	River units	0.00%

Palmer Park

A-1 Site Habitat Baseline

Condense / Show Columns

Condense / Show Rows

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Instructions

Habitats and areas		
Ref	Broad Habitat	Habitat type
1	Urban	Urban - Amenity grassland
2	Urban	Urban - Developed land; sealed surface
3	Grassland	Grassland - Modified grassland
4	Urban	Urban - Woodland
		Total site area ha

Habitats and areas				Habitat distinctiveness		Habitat condition		Ecological connectivity			Strategic significance			Suggested action to address habitat losses	Ecological 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		
1	Urban	Urban - Amenity grassland	2.91	Low	2	Poor	1	N/A	Assessment not appropriate	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required	5.82		
2	Urban	Urban - Developed land; sealed surface	1.69	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		
3	Grassland	Grassland - Modified grassland	0.04	Low	2	Poor	1	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required	0.08		
4	Urban	Urban - Woodland	0.06	Medium	4	Moderate	2	Medium	Moderately connected habitat	1.1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required	0.53		
Total site area ha			4.70													Total Site baseline	6.43

Retention category biodiversity value								Bespoke compensation agreed for unacceptable losses	Comments	
Area retained	Area enhanced	Area succession	Baseline units retained	Baseline units enhanced	Baseline units succession	Area lost	Units lost		Assessor comments	Reviewer comments
2.62	0.02	0	5.24	0.04	0.00	0.27	0.54			
0	0	0	0.00	0.00	0.00	1.69	0.00			
0.04	0	0	0.08	0.00	0.00	0.00	0.00			
0	0.06	0	0.00	0.53	0.00	0.00	0.00			
2.66	0.08	0.00	5.32	0.57	0.00	1.96	0.54			

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A-2 Site Habitat Creation

Condense / Show Columns

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Post development/ post intervention habitats																		
Proposed habitat	Area (hectares)	Distinctiveness	Score	Condition	Score	Ecological connectivity			Strategic significance			Temporal multiplier		Difficulty multipliers		Habitat units delivered	Comments	
						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
Urban - Developed land; sealed surface	1.89	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	0	1.000	Low	1	0.00		
Urban - Introduced shrub	0.12	Low	2	Good	3	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	1	0.965	Low	1	0.69		
Totals	2.01															Total Units		

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

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A-3 Site Habitat Enhancement

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Condense / Show Rows

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Post development/ post intervention habitats														
Baseline ref	Baseline habitats	Change in distinctiveness and condition			Area (hectares)	Distinctiveness	Condition	Ecological connectivity	Strategic significance	Temporal multiplier	Difficulty multipliers	Habitat units delivered	Comments	
	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		Assessor comments	Reviewer comments
	1	Urban - Amenity grassland	Grassland - Modified grassland	Low - Low	Poor - Fairly Good	0.02	Low	Fairly Good	Low	Area/compensation not in local strategy/ no local strategy	12	Low	0.08	
4	Urban - Woodland	Urban - Woodland	Medium - Medium	Moderate - Fairly Good	0.06	Medium	Fairly Good	Medium	Area/compensation not in local strategy/ no local strategy	10	Low	0.62		
Total site area					0.08						Enhancement total	0.70		

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B-1 Site Hedge Baseline

Condense / Show Columns

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UK Habitats - existing habitats				Habitat distinctiveness		Habitat condition		Ecological connectivity			Strategic significance				Ecological baseline
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
1		Line of Trees (Ecologically Valuable)	0.45	Medium	4	Good	3	High	Highly connected habitat	1.15	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Like for like or better	6.21
2		Native Hedgerow	0.29	Low	2	Poor	1	Medium	Moderately connected habitat	1.1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness band or better	0.638
Total Site length/KM			0.74												
Total Site baseline															6.85

Retention category biodiversity value						Comments	
Length retained	Length enhanced	Units retained	Units enhanced	Length lost	Units lost	Assessor comments	Reviewer comments
0.45	0	6.21	0	0	0		
0.13	0	0.286	0	0.16	0.352		
0.58	0.00	6.50	0.00	0.16	0.35		

Palmer Park																					
B-2 Site Hedge Creation																					
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		Multipliers																			
		Spatial quality												Temporal multiplier		Difficulty of creation multiplier	Hedge units delivered	Comments			
		Ecological connectivity			Strategic significance							Assessor comments	Reviewer 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						
1		Line of Trees (Ecologically Valuable)	0.3	Medium	4	Good	3	High	Highly connected habitat	1.15	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	30	0.343	0.67	0.95				
2		Native Species Rich Hedgerow	0.17	Medium	4	Good	3	High	Highly connected habitat	1.15	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	10	0.700	0.67	1.10				
Creation Length/KM			0.47															2.05			