

reside.

**Land at Bayards, Level Mare Lane, Eastergate
Biodiversity Net Gain DEFRA Metric 2.0 Calculations
14th September 2021**

The Biodiversity Metric 2.0 - Calculation Tool

Start page

Project details

Planning authority:	Arun District Council
Project name:	Land at Bayards, Level Mare Lane
Applicant:	Reside Developments Limited
Application type:	Unknown
Planning application reference:	Unknown
Assessor:	George Sayer
Reviewer:	Catherine O'Reilly
Revision:	1
Assessment date:	27/08/2021
Planning authority reviewer:	

Cell style conventions

	Enter data
	Automatic lookup
	Result

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Land at Bayards, Level Mare Lane

Headline Results

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On-site baseline	Habitat units	5.64
	Hedgerow units	2.95
	River units	0.00
On-site post-intervention (Including habitat retention, creation, enhancement & succession)	Habitat units	6.10
	Hedgerow units	3.64
	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	0.46
	Hedgerow units	0.69
	River units	0.00
Total net % change (including all on-site & off-site habitat creation + retained habitats)	Habitat units	8.11%
	Hedgerow units	23.41%
	River units	0.00%

Land at Bayards, Lechlade Marsh Lane
A-1 Site Habitat Baseline

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Ref	Habitats and areas			Habitat distinctiveness		Habitat condition		Ecological connectivity			Strategic significance			Suggested action to address habitat losses	Ecological baseline Total habitat units
	Broad habitat	Habitat type	Area (hectares)	Distinctiveness	Score	Condition	Score	Ecological connectivity	Connectivity	Connectivity multiplier	Strategic significance	Strategic significance	Strategic position multiplier		
1	Grassland	Grassland - Modified grassland	1.95	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	3.90
2	Heathland and shrub	Heathland and shrub - Mixed scrub	0.07	Medium	4	Fairly Poor	1.5	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required	0.42
3	Sparsely vegetated land	Sparsely vegetated land - Ruderal/Thymusland	0.12	Low	2	Fairly Poor	1.5	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required	0.36
4	Woodland and forest	Woodland and forest - Other woodland, mixed	0.16	Medium	4	Fairly Poor	1.5	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required	0.64
5	Total site area ha			3.30										Total Site baseline	5.36

Retention category biodiversity value										Respective compensation agreed for unacceptible losses	Comments	
Area retained	Area enhanced	Area restoration	Baseline units retained	Baseline units enhanced	Baseline units restored	Area lost	Units lost				Assessor comments	Reviewer comments
0.42	0.00	0.00	0.84	0.00	0.00	1.53	1.05					
0.06	0.00	0.00	0.36	0.00	0.00	0.01	0.06					
0.09	0.00	0.00	0.37	0.00	0.00	0.03	0.09					
0.15	0.00	0.00	0.00	0.00	0.00	0.01	0.05					
0.00	0.72	0.00	0.00	2.27	0.00	1.18	1.27					

A-2 Site Habitat Creation

Condense / Show Rows

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Post development/ post intervention habitats																	Habitat units delivered	Assessor comments	Reviewer comments
Proposed habitat	Area (hectares)	Distinctiveness	Score	Condition	Score	Ecological connectivity			Strategic significance			Temporal multiplier		Difficulty multipliers					
						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				
Urban - Amenity grassland	0.5	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	1	0.97			
Urban - Street Tree	0.1	Low	2	Moderate	2	Low	Unconnected habitat	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	27	0.382	Low	1	0.17			
Urban - Developed land, sealed surface	1.04	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	1	0.00			
Urban - Vegetated garden	0.03	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	1	0.06			
Heathland and shrub - Mixed scrub	0.01	Medium	4	Good	3	Medium	Moderately connected habitat	1.1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	7	0.779	Low	1	0.11			

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B-1 Site Hedge Baseline

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UK Habitats - existing habitats										Habitat distinctiveness		Habitat condition		Ecological connectivity			Strategic significance				Suggested action to address habitat losses	Ecological baseline Total hedgerow length	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	Length retained	Length enhanced	Units retained	Units enhanced	Length lost	Units lost	Assessor comments			Reviewer comments						
1	North	Line of Trees	0.07	Low	2	Moderate	2	Medium	Moderately connected habitat	1.1	Area/compensation not in local strategy/ no local evidence	Low Strategic Significance	1	Same distinctiveness - band or better	0.308	0	0.06	0	0.254	0.01	0.044								
2	East	Line of Trees (Ecologically Valuable)	0.24	Medium	4	Moderate	2	Medium	Moderately connected habitat	1.1	Area/compensation not in local strategy/ no local evidence	Low Strategic Significance	1	Like for like or better	2.112	0	0.23	0	2.024	0.01	0.088								
3	Central	Native Hedgerow	0.12	Low	2	Poor	1	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local evidence	Low Strategic Significance	1	Same distinctiveness - band or better	0.24	0	0	0	0	0.12	0.24								
4	West	Line of Trees	0.13	Low	2	Poor	1	Medium	Moderately connected habitat	1.1	Area/compensation not in local strategy/ no local evidence	Low Strategic Significance	1	Same distinctiveness - band or better	0.260	0.13	0	0.286	0	0									
5	Total Site length/km			0.56																	2.95	0.09	0.42	0.09	2.57	0.14	0.57		

Land at Bayards, Level Mare Lane
B-2 Site Hedge Creation

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Baseline ref	New hedge number	Proposed habitats		Habitat distinctiveness		Habitat condition		Ecological connectivity			Spatial quality			Temporal multiplier		Difficulty of creation multiplier	Hedge units delivered	Assessor comments	Reviewer comments			
		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		Native Species Rich Hedgerow	0.13	Medium	4	Moderate	2	Low	Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	5	0.837	0.67	0.58	New hedge to north-west corner along boundary to replace hedge lost.				
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Report Presented by:
Lizard Landscape Design and Ecology



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