

PINS document reference 5.4.13.2

APPENDIX ES13.2
ENRMF DEFRA METRIC 3.0

The Biodiversity Metric 3.0 - Calculation Tool

Start page

Project details	
Planning authority:	Planning Inspectorate
Project name:	ENRMF Western Extension
Applicant:	Augean South Limited
Application type:	Nationally Significant Infrastructure Project
Planning application reference:	WS01008
Assessor:	Luke Hartley
Reviewer:	
Metric version:	
Assessment date:	12/07/2021
Planning authority reviewer:	

Instructions

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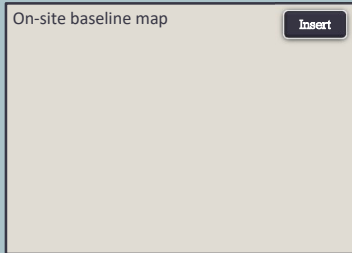
Results

View all

Reset view

Cell style conventions	
	Enter data
	Automatic lookup
	Result

On-site baseline map




On-site post intervention map



Off-site baseline map



Off-site post intervention map



On-site baseline	<i>Habitat units</i>	59.94
	<i>Hedgerow units</i>	4.55
	<i>River units</i>	0.00
On-site post-intervention <small>(Including habitat retention, creation & enhancement)</small>	<i>Habitat units</i>	126.99
	<i>Hedgerow units</i>	29.63
	<i>River units</i>	1.84
On-site net % change <small>(Including habitat retention, creation & enhancement)</small>	<i>Habitat units</i>	111.87%
	<i>Hedgerow units</i>	550.59%
	<i>River units</i>	100.00%
Off-site baseline	<i>Habitat units</i>	0.00
	<i>Hedgerow units</i>	0.00
	<i>River units</i>	0.00
Off-site post-intervention <small>(Including habitat retention, creation & enhancement)</small>	<i>Habitat units</i>	0.00
	<i>Hedgerow units</i>	0.00
	<i>River units</i>	0.00
Total net unit change <small>(including all on-site & off-site habitat retention, creation & enhancement)</small>	<i>Habitat units</i>	67.05
	<i>Hedgerow units</i>	25.07
	<i>River units</i>	1.84
Total on-site net % change plus off-site surplus <small>(including all on-site & off-site habitat retention, creation & enhancement)</small>	<i>Habitat units</i>	111.87%
	<i>Hedgerow units</i>	550.59%
	<i>River units</i>	100.00%
Trading rules Satisfied?	Yes	

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A-1 Site Habitat Baseline

Condense / Show Columns

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Ref	Habitats and areas		Area (hectares)	Distinctiveness	Condition	Strategic significance	Suggested action to address habitat losses	Ecological baseline
	Broad habitat	Habitat type						
1	Cropland	Cereal crops	9.12	Low	NA - Agricultural	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat retained	18.24
2	Cropland	Cereal crops	14.47	Low	NA - Agricultural	Area/compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat retained	28.94
3	Grassland	Modified grassland	1.75	Low	Moderate	Location ecologically desirable but not in local strategy	Same distinctiveness or better habitat retained	7.70
4	Heathland and shrub	Mixed scrub	0.65	Medium	Moderate	Within area formally identified in local strategy	Same local habitat or a higher distinctiveness habitat retained	5.06
5	Urban	Artificial unvegetated, unsealed surface	0.28	V.Low	NA - Other	Area/compensation not in local strategy/ no local strategy	Compensation Not Required	0.00
			28.17					68.94

Retention category biodiversity value						Bespoke compensation agreed for unacceptable losses	Comments	
Area retained	Area enhanced	Baseline units retained	Baseline units enhanced	Area lost	Units lost		Assessor comments	Reviewer comments
0		0.00	0.00	9.12	18.24			
0		0.00	0.00	14.47	28.94			
	1.22	0.00	5.37	0.63	2.33			
0		0.00	0.00	0.65	5.06			
0		0.00	0.00	0.28	0.00			
0.00	1.22	0.00	5.37	24.98	64.67			

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A-3 Site Habitat Enhancement

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Post development/ post intervention habitats															
Baseline ref	Baseline habitats	Proposed Habitat (Pre-Populated but can be overridden)		Change in distinctiveness and condition		Area (hectares)	Distinctiveness	Condition	Strategic significance	Temporal risk multiplier		Difficulty risk multipliers	Habitat units delivered	Comments	
	Baseline habitat	Proposed Broad Habitat	Proposed habitat	Distinctiveness change	Condition change				Strategic significance	Standard or adjusted time to target condition	Final time to target condition/years	Final difficulty of enhancement		Assessor comments	Reviewer comments
3	Oxswain - Modified grassland	Oxswain	Lowland meadows	Low - V.High	Lower Distinctiveness Habitat - Good	1.22	V.High	Good	Within area formally identified in local strategy	Standard time to target condition applied	15	Medium	16.63		
						1.22							16.63		

B-1 Site Hedge Baseline

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Baseline ref	UK Habitats - existing habitats			Habitat distinctiveness	Habitat condition	Strategic significance	Suggested action to address habitat losses	Ecological baseline Total hedgerow units	Retention category biodiversity value						Comments	
	Hedge number	Hedgerow type	Length IM	Distinctiveness	Condition	Strategic significance			Length retained	Length enhanced	Units retained	Units enhanced	Length lost	Units lost	Assessor comments	Reviewer comments
1	h1	Native Hedgerow - Associated with bank or ditch	0.15	Medium	Good	Within area formally identified in local strategy	Site for loss or better	2.07	0		0.00	0.00	0.15	2.07		
2	h2	Native Hedgerow	0.36	Low	Good	Within area formally identified in local strategy	Same distinctiveness band or better	2.48	0		0.00	0.00	0.36	2.48		
3																
4																
5																
6																
7			0.51					4.55	0.00	0.00	0.00	0.00	0.51	4.55		

B-2 Site Hedge Creation

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Baseline ref	New hedge number	Proposed habitats		Habitat distinctiveness	Habitat condition	Strategic significance	Temporal multiplier		Difficulty risk multipliers	Hedge units delivered	Comments	
		Habitat type	Length km	Distinctiveness	Condition	Strategic significance	Standard or adjusted time to target condition	Final time to target condition/years	Final difficulty of creation		Assessor comments	Reviewer comments
1		Native Species Rich Hedgerow with trees - Associated with bank or ditch	0.18	V.High	Good	Within area formally identified in local strategy	Standard time to target condition applied	20	Low	2.44		
2		Native Species Rich Hedgerow with trees	1.34	High	Good	Within area formally identified in local strategy	Standard time to target condition applied	20	Low	13.60		
3		Native Species Rich Hedgerow	1.51	Medium	Good	Within area formally identified in local strategy	Standard time to target condition applied	12	Low	13.59		
4												
5												
6												
7												
8												
			3.03							29.83		

C-2 Site River Creation

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Baseline ref	Proposed habitats		Habitat distinctiveness	Habitat condition	Strategic significance	Temporal multiplier		Difficulty multipliers	Watercourse encroachment	Riparian encroachment	River units delivered	Comments	
	River type	Length km	Distinctiveness	Condition	Strategic significance	Standard or adjusted time to target condition	Final time to target condition/years	Final difficulty of creation	Extent of encroachment	Extent of encroachment		Assessor comments	Reviewer comments
1	Ditches	0.19	Medium	Good	Delivery within Local Plans	Standard time to target condition applied	10	Low	No Encroachment	No Encroachment	1.84		
2													
3													
4													
5													
6													
		0.19									1.84		