

The Statutory Biodiversity Metric

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Project details

Planning authority:	Arun District Council		
Project name:	Land East of Commonmead Barn, Pagham		
Applicant:	Mr Phillips		
Application type:	Full		
Planning application reference:	TBC		
Completed by:	George Sayer MCIEEM		
Date of metric completion:	5th May 2026		
Reviewer:			
Calculation iteration:	4		
Planning authority reviewer:			
Date of planning authority review:			
Target % net gain:	10%		
Irreplaceable habitat present at baseline:	No ✓		
Total site area - including irreplaceable habitat area (hectares):	0.21	Irreplaceable habitat site area (hectares):	0.00
Total off-site area - including irreplaceable habitat area (hectares):	0.10	Irreplaceable habitat area off-site (hectares):	N/A

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Cell style conventions

⚠	Attention required
▲	Input error/rules and principles not met
	Use of this cell is not appropriate
	Enter data
	Automatic lookup
	Result

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On-site baseline map

[Insert](#)

On-site post intervention map

[Insert](#)

On-site baseline map reference number

On-site post-intervention map reference number

Off-site baseline map

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Off-site baseline map reference number

Off-site post-intervention reference number

Land East of Commonmead Barn, Pagham
Headline Results
Scroll down for final results 

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On-site baseline	Area habitat units	0.21		
	Hedgerow units	0.05		
	Watercourse units	0.00		
On-site post-intervention (Including habitat retention, creation & enhancement)	Area habitat units	0.16		
	Hedgerow units	0.02		
	Watercourse units	0.00		
On-site net change (units & percentage)	Area habitat units	-0.06	-26.15%	On-site net gain is less than target set 
	Hedgerow units	-0.03	-55.56%	On-site net gain is less than target set 
	Watercourse units	0.00	0.00%	

Off-site baseline	Area habitat units	0.20		
	Hedgerow units	0.00		
	Watercourse units	0.00		
Off-site post-intervention (Including habitat retention, creation & enhancement)	Area habitat units	0.28		
	Hedgerow units	0.03		
	Watercourse units	0.00		
Off-site net change (units & percentage)	Area habitat units	0.08	42.15%	
	Hedgerow units	0.03	N/A	Zero baseline units - % cannot be calculated
	Watercourse units	0.00	0.00%	

Combined net unit change (Including all on-site & off-site habitat retention, creation & enhancement)	Area habitat units	0.03
	Hedgerow units	0.01
	Watercourse units	0.00
Spatial risk multiplier (SRM) deductions	Area habitat units	0.00
	Hedgerow units	0.00
	Watercourse units	0.00

FINAL RESULTS

Total net unit change (Including all on-site & off-site habitat retention, creation & enhancement)	Area habitat units	0.03
	Hedgerow units	0.01
	Watercourse units	0.00
Total net % change (Including all on-site & off-site habitat retention, creation & enhancement)	Area habitat units	13.43%
	Hedgerow units	12.12%
	Watercourse units	0.00%
Trading rules satisfied?	Yes 	

Unit Type	Target	Baseline Units	Units Required	Unit Deficit	
Area habitat units	10.00%	0.21	0.23	0.00	No additional area habitat units required to meet target 
Hedgerow units	10.00%	0.05	0.05	0.00	No additional hedgerow units required to meet target 
Watercourse units	10.00%	0.00	0.00	0.00	No additional watercourse units required to meet target 

Project Name: Land East of Commonweald Barn, Pooleham Map Reference:
A-1 On-Site Habitat Baseline

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Area habitat summary	
Total Net Unit Change	0.08
Total Net % Change	19.49%
Tracking Rules Applied	Yes /

Existing area habitats				Disturbances		Condition		Strategic significance			Required Action to Meet Tracking Rules	Ecological baseline	
Ref	Broad Habitat	Habitat Type	Irreplaceable habitat	Area (hectares)	Disturbances	Score	Condition	Score	Strategic significance	Strategic significance multiplier			
1	Grassland	Modified grassland	No	0.1088	Low	2	Poor	1	Area/compensation not in local strategy no local strategy	Low Strategic Significance	1	Some disturbance to better habitat required 0	0.21
2	Urban	Artificial unpaved, sealed surface	No	0.009	V Low	0	N/A - Other	0	Area/compensation not in local strategy no local strategy	Low Strategic Significance	1	Compensation Not Required	0.00
3	Urban	Developed land, sealed surface	No	0.0099	V Low	0	N/A - Other	0	Area/compensation not in local strategy no local strategy	Low Strategic Significance	1	Compensation Not Required	0.00
4	Urban	Developed land, sealed surface	No	0.0099	V Low	0	N/A - Other	0	Area/compensation not in local strategy no local strategy	Low Strategic Significance	1	Compensation Not Required	0.00
5													
6													
7													
8													
9													
				Total habitat area		0.81							0.81
				Site Area (Excluding area of individual trees, grass walls, intertidal hard structures)		0.81							

						Required compensation agreed for losses of VYEH or Irreplaceable habitat	Comments		
Area retained	Area enhanced	Baseline units retained	Baseline units enhanced	Area habitat lost	Units lost		User comments	Planning authority comments	Habitat reference number
		0.00	0.00	0.11	0.21		Grassland		
		0.00	0.00	0.04	0.00		Access Track and area of margins, containers etc.		
		0.00	0.00	0.01	0.00		Buildings		
0.0099		0.00	0.00	0.00	0.00		Access Road		
0.08	0.00	0.00	0.00	0.16	0.81				

Total area lost (excluding area of individual trees, grass walls and intertidal hard structures)

0.16

MP to baseline conversion tool:	Selected a unit	Iterations	MP
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Project Name: Land Port of Commercial Docks Program Map Reference:
A-2 On-Site Habitat Creation

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Area habitat summary

Total Wet Tidal Change 0.00

Total Wet % Change 18.49%

Trading Rules Detailed Yes ✓

Area Check: Area Accomplish ✓

Post Intervention Habitat

Ref	Broad Habitat	Proposed habitat	Area (acres)	Disturbance		Condition		Strategic significance				Preparation timeline			Temporal multiplier			Difficulty multipliers				Habitat net difference	Comments		
				Disturbance	Score	Condition	Score	Strategic significance	Strategic significance	Strategic significance multiplier	Standard time to target condition (years)	Habitat created in advance (years)	Delay in starting habitat creation (years)	Standard or adjusted time to target condition	Final time to target condition (years)	Final time to target multiplier	Standard difficulty of creation	Applied difficulty multiplier	Final difficulty of creation	Difficulty multiplier applied					
1	Urban	Developed land, sealed surface	0.0009	Very Low	0	High - Other	0	Area/compensation not in local strategy no local strategy	Low Strategic Significance	1	0			Standard time to target condition applied	0	1.000	Low	Standard difficulty applied	Low	1	0.00				
2	Urban	Vegetated garden	0.0015	Low	2	Condition Accomplish 100%	1	Area/compensation not in local strategy no local strategy	Low Strategic Significance	1	1			Standard time to target condition applied	1	0.005	Low	Standard difficulty applied	Low	1	0.10				
3																									
4																									
5																									
6																									
7																									
Total habitat area:			0.18																		Total Value:	0.18			

Rio Area (Including area of individual trees, green walls, intertidal hard structures) 0.18

MP to achieve objectives to:

Submit a plan

Review

MP

Project Name: Land Use of Commonwealth Item, Region: Map Reference:
D-1 Off-Site Habitat Baseline
Condition: Green Condition
Condition: Green Brown
Map Name:

Area habitat summary
Total Net Change
Total Net Change
Threat Risk Rating

Retaining area habitat										Disturbance		Condition		Strategy effectiveness			Required Action to Meet Threat Risk	Spatial risk multiplier		Biological Integrity	Comments									
Ref	Revised habitat	Habitat type	Irreversible habitat	Area (acres)	Disturbance	Score	Condition	Score	Strategy effectiveness	Strategic Effectiveness	Strategic Effectiveness multiplier	Required Action to Meet Threat Risk	Spatial risk category		Threat habitat value	Area retained	Area excluded	Penalty area retained	Penalty area excluded	Area lost	Value lost	Reserve comparison agreed for Areas of VED or Irreversible habitat		Your comments		Planning authority comments		Habitat reference	Off-site reference	
I	Original	Orchard crops	No	0.2	Low	2	Condition Assessment N/A	1	Assessment/monitoring not to land strategy not land strategy	Low Strategic Effectiveness	1	Native disturbance/monitoring of habitat habitat (impact) 0	Compensation inside LPA boundary or NCA of impact site		0.02	0.02	0.02	0.02	0.01	0.01	0.02								1	
A																														
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Total habitat area				0.10											0.02	0.02	0.02	0.02	0.01	0.01	0.02									
Site Area (including area of individual trees, grass, trees, intertidal hard structures)				0.10											0.02	0.02	0.02	0.02	0.01	0.01	0.02									
NP to baseline conversion tool				NP to baseline conversion tool	NP to baseline conversion tool	NP to baseline conversion tool	NP to baseline conversion tool	NP to baseline conversion tool	NP to baseline conversion tool	NP to baseline conversion tool	NP to baseline conversion tool				0.01															
Total area lost (including area of individual trees, grass, trees and intertidal hard structures)																						0.01								

Project Name: Land Use of Commenced Area, Paghun			Map Reference:																									
D-8 Off-Site Habitat Creation																												
Coordinates (Show Coordinates)			Coordinates (Show Points)																									
Map Sheet:																												
Area habitat summary																												
Total Net Use Change			0.03																									
Total Net % Change			10.48%																									
Travelling Rules Reflected			Yes ✓																									
Area Check			Area Acceptable ✓																									
Post intervention habitat																												
Ref	Broad habitat	Proposed habitat	Area (hectares)	Characteristics	Score	Condition	Score	Strategic significance				Temporal risk multiplier				Diffusivity risk multiplier				Spatial risk multiplier	Risks with delivery	Comments						
								Strategic significance	Strategic significance	Strategic significance multiplier	Standard time to target condition (years)	Habitat created in adjacent areas (Green)	Delay in effective habitat creation (Green)	Standard or adjusted time to target condition	Final time to target condition (years)	Final time to target condition	Standard of evidence	Applied diffusivity multiplier	Final diffusivity of evidence			Diffusivity multiplier applied	Spatial risk category	Use comments	Planning authority comments	Habitat reference	Off-site reference	Reserve Ref
1	Grassland	Other neutral grassland	0.011	Mildness	4	Good	3	Formerly identified as land-at-risk	High strategic significance	1.10	10				Standard time to target condition applied	10	0.700	Low	Standard diffusivity applied	Low	1	Compensation inside LPA boundary or NCA of adjacent site	0.11				1	
2																												
3																												
4																												
5																												
Total habitat area:			0.01												0.11													
Site Area (Shedding area of individual trees, grass walk, intertidal land (green))			0.01																									
NP to biomass conversion tool:			Refers to unit	Shedding	NP																							

Project Name: Land East of Commonmead Barn, PaghamMap Reference:

B-1 On-Site Hedge Baseline

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Hedgerow summary	
Total Net Unit Change	0.01
Total Net % Change	18.18%
Trading Rules Believed	Yes ✓

Existing hedgerow habitats				Distinctiveness		Condition		Strategic significance				Required Action to Meet Trading Rules	Ecological baseline Total hedgerow units
Ref	Hedge number	Habitat type	Length (km)	Distinctiveness	Score	Condition	Score	Strategic significance		Strategic significance multiplier			
1	1	Non-native and ornamental hedgerow	0.048	V Low	1	Poor	1	Area/compensation not in local strategy/ no local strategy		Low Strategic Significance	1	Same distinctiveness based on better	
2													
3													
4													
5													
6			0.05									0.05	

						Comments		
Length retained	Length enhanced	Units retained	Units enhanced	Length lost	Units lost	User comments	Planning authority comments	Habitat reference number
0.03		0.03	0.00	0.03	0.03			
0.03	0.00	0.03	0.00	0.03	0.03			

Project Name: Land Use of Commonsland, Higham Map Reference:
E-2 Off-Site Hedge Creation

Condense / Show Columns

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Hedge row summary

Total Wet Wet Change
Total Wet Wet Change
Total Wet Wet Change

0.01
15.15%
The /

		Proposed habitat		Disturbance		Condition		Strategic significance			Spatial risk multiplier		Temporal multiplier				Difficulty risk multiplier				Hedge width calculated	Comments				
Ref	Hedge budget number	Habitat type	Length (km)	Disturbance	Score	Condition	Score	Strategic significance	Strategic significance multiplier	Strategic significance multiplier	Spatial risk category	Standard Time to target condition (years)	Habitat created in advance (years)	Delay in starting habitat creation (years)	Standard or adjusted time to target condition	Final time to target condition (years)	Final Time to target multiplier	Standard difficulty of creation	Applied difficulty multiplier	Final difficulty of creation	Difficulty multiplier applied	User comments	Planning authority comments	Habitat reference	OS data reference	Baseline ref
1	B	Species-rich native hedgebank with trees	0.001	High	6	Good	3	Primarily identified as local strategy	High strategic significance	1.15	Compensation under LNR boundary or NCR of impact site	20			Standard time to target condition adjusted	10	0.400	Low	Standard difficulty applied	Low	1	0.01				52
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A																										
0.01																							0.01			