

The Statutory Biodiversity Metric

Auditing and accounting for biodiversity

Calculation Tool

Version 1.0.3

Open Tool



The Statutory Biodiversity Metric

Start page

Project details			
Planning authority:	Arun District Council		
Project name:	Land at Toddington Lane		
Applicant:	Worthing Homes		
Application type:	Full		
Planning application reference:			
Completed by:	Joshua harwood BSc(Hons), ACIEEM		
Date of metric completion:	16.09.2024		
Reviewer:	Owen Crawshaw BSc (Hons), MCIEEM		
Calculation iteration:	Revision 02		
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):	0.34	Irreplaceable habitat site area (hectares):	0.00
Total off-site area - including irreplaceable habitat area (hectares):	0.03	Irreplaceable habitat area off-site (hectares):	N/A

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

On-site baseline map

Insert

On-site baseline map reference number

Off-site baseline map

Insert

Off-site baseline map reference number

On-site post intervention map

Insert

On-site post-intervention map reference number

Off-site post intervention map

Insert

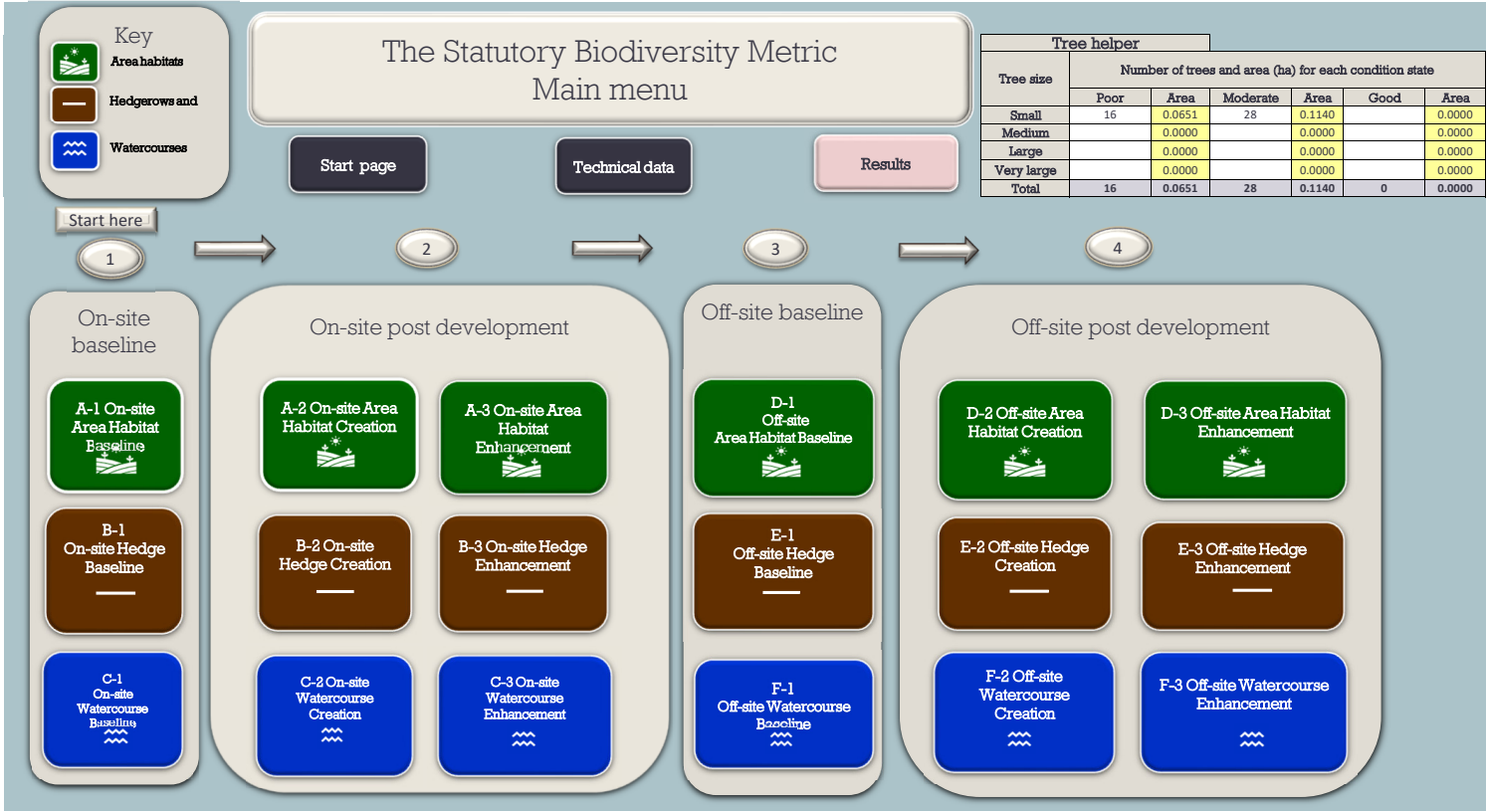
Off-site post-intervention reference number

Main menu

Results

View all

Reset view



Unit Shortfall by Tier/Module	
Tier	Unit Shortfall
A1	0.00
A2	0.00
A3	0.00
A4	0.00
A5	0.00
B	0.00
W	0.00

*The spatial risk multiplier has been applied to all unit shortfall values.

The Statutory Biodiversity Metric Results

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Land at Toddington Lane

Headline Results

Scroll down for final results

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On-site baseline	Habitat units	1.03		
	Hedgerow units	0.00		
	Watercourse units	0.00		
On-site post-intervention (Including habitat retention, creation & enhancement)	Habitat units	1.07		
	Hedgerow units	0.03		
	Watercourse units	0.00		
On-site net change (units & percentage)	Habitat units	0.04	3.97%	On-site net gain is less than target set Zero baseline units - % cannot be calculated
	Hedgerow units	0.03	N/A	
	Watercourse units	0.00	0.00%	
Off-site baseline	Habitat units	0.06		
	Hedgerow units	0.00		
	Watercourse units	0.00		
Off-site post-intervention (Including habitat retention, creation & enhancement)	Habitat units	0.37		
	Hedgerow units	0.00		
	Watercourse units	0.00		
Off-site net change (units & percentage)	Habitat units	0.31	496.37%	
	Hedgerow units	0.00	0.00%	
	Watercourse units	0.00	0.00%	
Combined net unit change (Including all on-site & off-site habitat retention, creation & enhancement)	Habitat units	0.35		
	Hedgerow units	0.03		
	Watercourse units	0.00		
Spatial risk multiplier (SRM) deductions	Habitat units	0.08		
	Hedgerow units	0.00		
	Watercourse units	0.00		

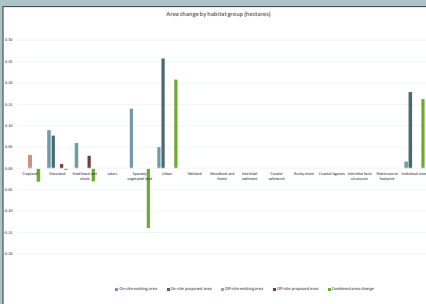
FINAL RESULTS

Total net unit change (Including all on-site & off-site habitat retention, creation & enhancement)	Habitat units	0.27	
	Hedgerow units	0.03	
	Watercourse units	0.00	
Total net % change (Including all on-site & off-site habitat retention, creation & enhancement)	Habitat units	26.38%	0 baseline units - % cannot be calculated
	Hedgerow units	N/A	
	Watercourse units	0.00%	
Trading rules satisfied?	Yes		

Unit Type	Target	Baseline Units	Units Required	Unit Deficit	
Habitat units	10.00%	1.03	1.13	0.00	No additional area habitat units required to meet target No additional hedgerow units required to meet target No additional watercourse units required to meet target
Hedgerow units	10.00%	0.00	0.00	0.00	
Watercourse units	10.00%	0.00	0.00	0.00	

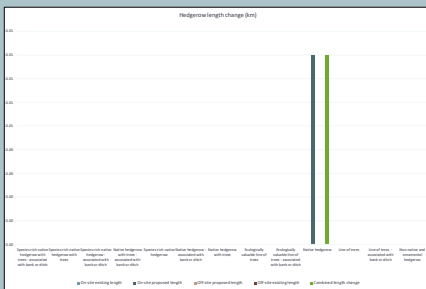
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Category	Biodiversity Units
Total on-site and off-site baseline units retained	0.00
Total on-site and off-site baseline units proposed for enhancement	0.00
Total on-site and off-site baseline units lost	1.08



On-site and off-site hedge retention category (biodiversity units)

Category	Biodiversity Units
Total on-site and off-site baseline units retained	0.00
Total on-site and off-site baseline units proposed for enhancement	0.00
Total on-site and off-site baseline units lost	0.00



Watercourse retention category (watercourse biodiversity units)

Scenario	Watercourse retention category (watercourse biodiversity units)
Total on-site and off-site	0.00
Total on-site and off-site	0.00
Total on-site and off-site	0.00



High Distinctiveness Summary	
High Distinctiveness Units available to offset lower distinctiveness deficit	0.00
Remaining losses; Like for like not satisfied	0.00

Medium Distinctiveness Summary		
Medium Distinctiveness Units available to offset Lower Distinctiveness Deficit	0.64	✓
Medium Distinctiveness Broad Habitat losses to be offset by trading up	0.00	
Higher Distinctiveness Surplus Units minus Medium Distinctiveness Broad Habitat Deficit	0.00	
Cumulative surplus of units	0.64	✓

Low Distinctiveness Summary		
Low Distinctiveness net change in units	-0.19	⚠️
Cumulative surplus of units	0.35	✅

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Trading summary area habitats

Trading summary watercourses

Trading Summary		
Distinctiveness Group	Trading Rule	Trading Satisfied?
Very High	Same habitat required =	Yes ✓
High	Like for like or better	Yes ✓
Medium	Same distinctiveness or better habitat required	Yes ✓
Low	Same distinctiveness or better habitat required	Yes ✓
Very Low	Same distinctiveness or better habitat required	Yes ✓

Very High Distinctiveness			
Habitat group	On-site unit change	Off-site unit change	Project-wide unit change
Species-rich native hedgerow with trees - associated with bank or ditch	0.00	0.00	0.00
	0.00	0.00	0.00

High Distinctiveness			
Habitat group	On-site unit change	Off-site unit change	Project wide unit change
Species-rich native hedgerow with trees	0.00	0.00	0.00
Species-rich native hedgerow - associated with bank or ditch	0.00	0.00	0.00
Native hedgerow with trees - associated with bank or ditch	0.00	0.00	0.00
	0.00	0.00	0.00

Medium Distinctiveness			
Habitat group	On-site unit change	Off-site unit change	Project wide unit change
Species-rich native hedgerow	0.00	0.00	0.00
Native hedgerow - associated with bank or ditch	0.00	0.00	0.00
Native hedgerow with trees	0.00	0.00	0.00
Ecologically valuable line of trees	0.00	0.00	0.00
Ecologically valuable line of trees - associated with bank or ditch	0.00	0.00	0.00
	0.00	0.00	0.00

Low Distinctiveness			
Habitat group	On-site unit change	Off-site unit change	Project wide unit change
Native hedgerow	0.03	0.00	0.03 ✓
Line of trees	0.00	0.00	0.00
Line of trees - associated with bank or ditch	0.00	0.00	0.00
	0.03	0.00	0.03

Very Low Distinctiveness			
Habitat group	On-site unit change	Off-site unit change	Project wide unit change
Non-native and ornamental hedgerow	0.00	0.00	0.00
	0.00	0.00	0.00

Very High Distinctiveness Summary	
Very High Distinctiveness Units available to offset lower distinctiveness deficit	0.00
Remaining losses; Like for like not satisfied	0.00

High Distinctiveness Summary	
High Distinctiveness Units available to offset lower distinctiveness deficit	0.00
High Distinctiveness losses to be offset by trading up	0.00
Higher Distinctiveness surplus units minus any high distinctiveness deficit	0.00

Medium Distinctiveness Summary	
Units available from higher distinctiveness habitats	0.00
Medium Distinctiveness net change in units	0.00
Cumulative availability of units	0.00

Low Distinctiveness Summary	
Low Distinctiveness net change in units	0.03 ✓
Cumulative availability of units	0.03 ✓

Very Low Distinctiveness Summary	
Very Low Distinctiveness net change in units	0.00
Cumulative availability of units	0.03 ✓

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Trading summary area habitats

Trading summary hedgerows

Trading Summary

Distinctiveness Group	Trading Rule		Trading Satisfied?
Very High	Same habitat required – bespoke compensation option A		Yes ✓
High	Same habitat required =		Yes ✓
Medium	Same habitat required =		Yes ✓
Low	Better distinctiveness habitat required		Yes ✓

Very High Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project-wide unit change
Priority habitat	0.00	0.00	0.00
	0.00	0.00	0.00

High Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project-wide unit change
Other rivers and streams	0.00	0.00	0.00
	0.00	0.00	0.00

Medium Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project wide unit change
Ditches	0.00	0.00	0.00
Canals	0.00	0.00	0.00
	0.00	0.00	0.00

Low Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project wide unit change
Culvert	0.00	0.00	0.00
	0.00	0.00	0.00

Very High Distinctiveness Summary

Very High Distinctiveness Units available to offset lower distinctiveness deficit	0.00
Remaining losses, Like for like not satisfied	0.00

High Distinctiveness Summary

High Distinctiveness Units available to offset lower distinctiveness deficit	0.00
Remaining losses, Like for like not satisfied	0.00

Medium Distinctiveness Summary

Medium Distinctiveness Units available to offset Lower Distinctiveness Deficit	0.00
Remaining losses, Like for like not satisfied	0.00

Low Distinctiveness Summary

Low Distinctiveness net change in units	0.00
Cumulative availability of units	0.00

Irreplaceable area habitats on-site

● For further information please refer to the irreplaceable habitats section of the metric user guide. This sheet is auto-populated from the 1 on-site habitat baseline tab, with the exception of irreplaceable habitat names.

[illegible]

Irreplaceable area habitats off-site

● For further information please refer to the irreplaceable habitats section of the metric user guide. This sheet is autopopulated from the D 1 off-site habitat baseline tab, with the exception of irreplaceable habitat name.

[illegible]

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Project Name: Land at Toddington Lane Map Reference: A-2 On-Site Habitat Creation

Condense / Show Columns

Condense / Show Rows

Main Menu

Area habitat summary

Total Net Unit Change0.87

Total Net % Change28.80%

Trading Rules SatisfiedYes ✓

Area CheckArea Acceptable ✓

Post Intervention habitat												
Ref	Broad Habitat	Proposed habitat	Area (hectares)	Disturbances	Condition	Strategic significance	Temporal multiplier			Habitat value delivered	Comments	
				Disturbances	Condition	Strategic significance	Standard or adjusted time to target condition	Final time to target condition (years)	Final difficulty of creation		User comments	Planning authority comments
1	Urban	Developed land, sealed surface	0.058	Y Low	N/A - Other	Recreation/amenity not in local strategy or local strategy	Standard time to target condition applied	5	Low	0.05	Proposed buildings	
2	Urban	Vegetated garden	0.07	Low	Condition Assessment N/A	Recreation/amenity not in local strategy or local strategy	Standard time to target condition applied	1	Low	0.14	Proposed dwelling gardens	
3	Urban	Introduced shrub	0.03	Low	Condition Assessment N/A	Recreation/amenity not in local strategy or local strategy	Standard time to target condition applied	1	Low	0.03	Proposed vegetation to building footpaths	
4	Urban	Developed land, sealed surface	0.123	V Low	N/A - Other	Recreation/amenity not in local strategy or local strategy	Standard time to target condition applied	5	Low	0.05	Access road car parks, footpaths	
5	Grassland	Other natural grassland	0.077	Medium	Poor	Recreation/amenity not in local strategy or local strategy	Standard time to target condition applied	5	Low	0.29		
6	Individual trees	Urban tree	0.114	Medium	Moderate	Formally identified in local strategy	Standard time to target condition applied	27	Low	0.47	Scattered trees - Site trees	
7	Individual trees	Urban tree	0.061	Medium	Moderate	Formally identified in local strategy	Standard time to target condition applied	27	Low	0.23	Trees in garden and roadside - Property are to be retained and managed under Working Pines and as such their replacement and management can be retained. 15 x trees	
8												
9												
10												
11												
Total habitat area			0.81							1.67		
Site Area (Including area of individual trees, green walls, intertidal hard structures)			0.84									
MP to be taken over conservation tool				Select a unit	Reduces	MP						

[illegible]

Project Name: Land at Toddington Lane			Map Reference:																	
D-3 Off-Site Habitat Creation																				
Coordinates / Shown Outlines		Coordinates / Shown Entry																		
Main Menu																				
Area habitat summary																				
Total Net Unit Change		0.87																		
Total Net % Change		20.33%																		
Treasury Value Realised		Yes ✓																		
Area Class		Area Acceptable ✓																		
Post Intervention habitat																				
Ref	Revised habitat	Proposed habitat	Area (hectares)	Disturbance	Condition	Strategic significance		Temporal risk multiplier		Likelihood of success		Spatial risk multiplier		Habitat value delivered	Comments					
						Strategic significance	Standard or adjusted time to target condition	Final time to target condition (years)	Final delivery of creation	Spatial risk category		User comments	Planning authority comments		Habitat reference	Off-site reference	Results Ref			
1	Woodland and shrub	Mixed scrub	0.03	Medium	Good	Location ecologically desirable but not at local strategy	Standard time to target condition applied	10	Low	Compensation outside SPA or SCCA of impact area, but is neighbouring SPA or SCCA		0.25				1	1			
2	Grassland	Other natural grassland	0.02	Medium	Good	Location ecologically desirable but not at local strategy	Standard time to target condition applied	10	Low	Compensation outside SPA or SCCA of impact area, but is neighbouring SPA or SCCA		0.02				2	2			
3																				
4																				
Total habitat area			0.05														0.27			
Site Area (including area of individual trees, green roofs, infiltration hard structures)			0.04																	
MP to enhance existing habitat			Refined a unit			Refined		MP												

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Project Name: Land at Toddington Lane Map Reference:

B-2 On-Site Hedge Creation

Condense / Show Columns

Condense / Show Rows

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Hedge row summary	
Total Net Unit Change	0.03
Total Net % Change	N/A
Trading Rules Satisfied	Yes ✓

		Proposed habitats		Disturbances	Condition	Strategic significance	Temporal multiplier		Difficulty rate multipliers	Hedge units delivered	Comments		
Ref	New hedge number	Habitat type	Length (km)	Disturbances	Condition	Strategic significance	Standard or adjusted time to target condition	Final time to target condition (years)	Final difficulty of creation		User comments	Planning authority comments	Habitat reference number
1	1	Native hedgerow	0.008	Low	Moderate	Formally identified in local strategy	Standard time to target condition applied	0	Low	0.03			
2													
3													
4													
5													
			0.01								0.03		

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	Target	Baseline Value	Required Value	Unit Dollars
Area habitats	10.00%	1.00	1.18	0.00
Reduplexes	10.00%	0.00	0.00	0.00
Wetlands	10.00%	0.00	0.00	0.00

Type	Unit Dollars per Tier	Unit Dollars per Tier (RMA Included)
A1	0.00	0.00
A2	0.00	0.00
A3	0.00	0.00
A4	0.00	0.00
A5	0.00	0.00
H	0.00	0.00
W	0.00	0.00

Type	Habitat	Habitat Group	Unit Changes	Losses in Tier
A5	Lakes - Freshwater lakes	Lakes	0.00	0.00
	Lakes - Marsh lakes	Lakes	0.00	
	Lakes - Moderate salinity lakes	Lakes	0.00	
	Lakes - Pond lakes	Lakes	0.00	
A4	Chaparral - Chaparral riparian wetlands and riparian	Chaparral	0.00	0.00
	Lakes - Temporary lakes (ponds and ponds) (dry)	Lakes	0.00	
	Sparsely vegetated land - Coastal scrub dunes	Sparsely vegetated land	0.00	
	Sparsely vegetated land - Coastal riparian dunes	Sparsely vegetated land	0.00	
	Sparsely vegetated land - Mixed oak scrub and grass habitats	Sparsely vegetated land	0.00	
	Sparsely vegetated land - Maritime cliff and slopes	Sparsely vegetated land	0.00	
	Woodland and forest - Coastal riparian wetlands	Woodland and forest	0.00	
	Woodland and forest - Mixed oak scrubland	Woodland and forest	0.00	
	Woodland and forest - Upland mixed oakscrub	Woodland and forest	0.00	
	Woodland and forest - Upland oakscrub	Woodland and forest	0.00	
	Coastal dunes - Coastal dunes	Coastal dunes	0.00	
	Rocky dunes - High energy rocky dunes	Rocky dunes	0.00	
	Rocky dunes - Moderate energy rocky dunes	Rocky dunes	0.00	
	Rocky dunes - Low energy rocky dunes	Rocky dunes	0.00	
	Coastal scrubland - Coastal scrubland	Coastal scrubland	0.00	
A3	Woodland and forest - Forest replacement for forest woodlands	Woodland and forest	0.00	0.00
	Woodland and forest - Riparian forest and wetland	Woodland and forest	0.00	
	Woodland and forest - Upland oakscrub	Woodland and forest	0.00	
	Woodland and forest - Wet woodlands	Woodland and forest	0.00	
	Wetlands wetlands - Lateral wetlands	Wetlands wetlands	0.00	
	Wetlands wetlands - Lateral mixed wetlands	Wetlands wetlands	0.00	
	Wetlands wetlands - Lateral riparian wetlands	Wetlands wetlands	0.00	
	Wetlands wetlands - Lateral riparian wetlands	Wetlands wetlands	0.00	
	Wetlands wetlands - Lateral riparian wetlands	Wetlands wetlands	0.00	
	Wetlands wetlands - Lateral riparian wetlands	Wetlands wetlands	0.00	
A2	Woodland and forest - Forest replacement for forest woodlands	Woodland and forest	0.00	0.00
	Woodland and forest - Riparian forest and wetland	Woodland and forest	0.00	
	Woodland and forest - Upland oakscrub	Woodland and forest	0.00	
	Woodland and forest - Wet woodlands	Woodland and forest	0.00	
A1	Woodland and forest - Forest replacement for forest woodlands	Woodland and forest	0.00	0.00
	Woodland and forest - Riparian forest and wetland	Woodland and forest	0.00	

Rule 1	Higher surplus is used to offset loss of medium distinctiveness of the same broad habitat category.
Rule 2	Remaining higher surplus is used to offset the loss of the most expensive medium credit tier of A4.
Rule 3	Remaining higher surplus is used to offset the loss of the second most expensive medium credit tier of A3.
Rule 4	Remaining higher surplus is used to offset the loss of the third most expensive medium credit tier A2.
Rule 5	Remaining higher surplus is used to offset losses from low distinctiveness habitats.

Very High + High Distinctiveness Surplus Availability		Medium Distinctiveness Losses		Rule 1	Rule 2	Rule 3	Rule 4	Final Losses in Tier	
Habitat Group	Unit Costs Available to Broad Habitat Group	Habitat Group	Losses Regarding Offset	Remaining Available After Rule 1	Remaining Available After Rule 2	Remaining Available After Rule 3	Remaining Available After Rule 4		
A1	Chaparral	Chaparral	0.00	0.00	0.00	0.00	0.00	A1	0.00
	Chaparral	Chaparral	0.00	0.00					
	Woodland and shrubs	Woodland and shrubs	0.00	0.00					
	Upland	Upland	0.00	0.00					
A2	Woodland and forest	Woodland and forest	0.00	0.00	0.00	0.00	0.00	A2	0.00
	Woodland and forest	Woodland and forest	0.00	0.00					
A4	Lakes	Lakes	0.00	0.00	0.00	0.00	0.00	A4	0.00
	Sparsely vegetated land	Sparsely vegetated land	0.00	0.00					
	Woodland	Woodland	0.00	0.00					
Total Distinctiveness Surplus Available					0.00	0.00	0.00		

	Net Unit Change for Low Distinctiveness Habitats	Total Unit Change for Low Distinctiveness Habitats Following Offset from Higher Distinctiveness Habitats	Units Remaining Available After Rule 5	Final Losses in Tier
LOW	A1	-0.18	0.35	0.00

Habitat Group		Losses	Final Losses
H	Chaparral	0.00	0.00
	Chaparral	0.00	
	Woodland and shrubs	0.00	
	Upland	0.00	
Wetlands			
W	Wetlands	0.00	0.00
	Wetlands	0.00	
	Wetlands	0.00	
	Wetlands	0.00	

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[illegible]

Spatial multipliers		
Strategic Significance		
Description	Strategic significance	Multiplier
Formally identified in local strategy	High strategic significance	1.15
Location ecologically desirable but not in local strategy	Medium strategic significance	1.1
Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1

Difficulty	
Category	Value
Low	1
Medium	0.67
High	0.33
Very High	0.1

Spatial risk	
Category	Multiscale
Compensation in LPA or boundary or NCA of impact site	1
Compensation outside LPA or NCA of impact site, but in neighbouring LPA or NCA	0.75
Compensation outside LPA or NCA of impact site and neighbouring LPA or NCA	0.5
This metric is being used by an off-site provider	1
Interstitial habitats - Compensation inside Marine Plan Area of impact site	1
Interstitial habitats - Compensation <u>outside</u> same Marine Plan Area but in neighbouring Marine Plan Area	0.75
Interstitial habitats - Compensation <u>outside</u> Marine Plan Area of impact site and beyond neighbouring Marine Plan Area	0.5

Tree size	SPA Baseline (m)	SPA (ha)
Small	3.6	0.0041
Medium	7.2	0.0163
Large	10.8	0.0366
Very large	15.6	0.0765

Version	Changes made	Date released
Version 1.0.0	Initial statutory version	29th November 2023
Version 1.0.1	Amended to fix an error in the irreplaceable habitats dropdown and minor changes to the working of the tool such as ensuring the rows auto populate correctly and cells adjust their height so error messages can be read	15th December 2023
Version 1.0.2	Updated to correct some labelling errors, minor formula errors and expand width of columns	12th February 2024
Version 1.0.3	Minor formatting errors corrected to ensure text is visible and flags appear correctly, version history sheet added.	23rd July 2024

The Statutory Biodiversity Metric Technical Data

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