

The Biodiversity Metric 4.0

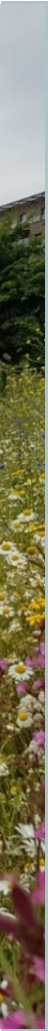
Auditing and accounting for biodiversity

Calculation Tool

[Open Tool](#)



162-0-2





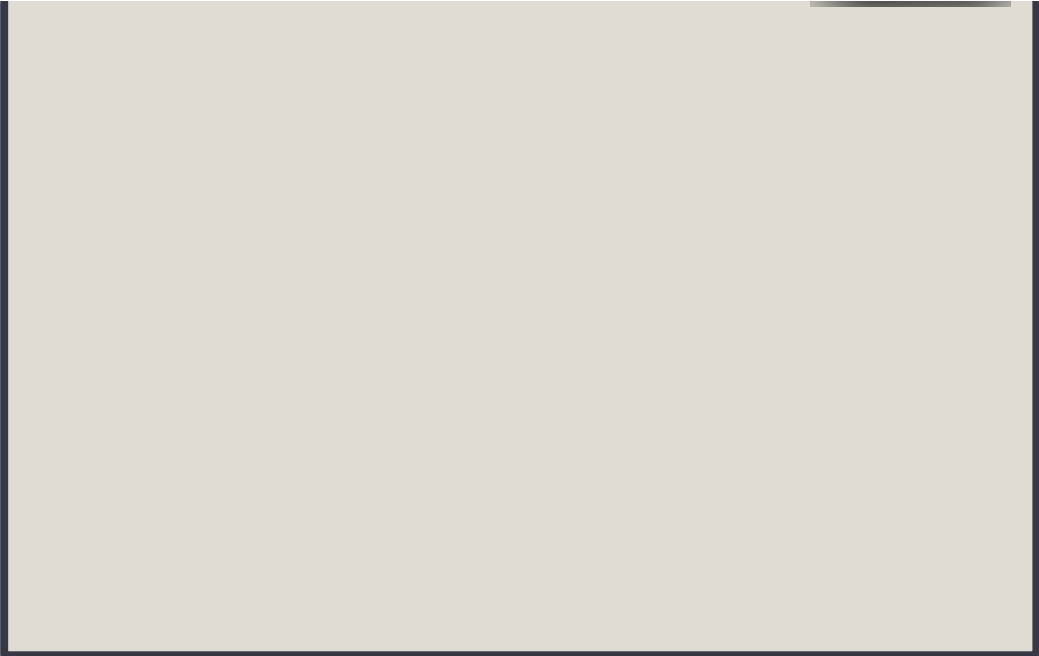
The Biodiversity Metric Start

Project details	
Planning authority:	Ea
Project name:	
Applicant:	
Application type:	
Planning application reference:	
Completed by:	
Date of metric completion:	
Reviewer:	
Version control:	
Consenting body reviewer:	
Date of consenting body review:	
Target % net gain:	10%
Irreplaceable habitat present on-site at baseline:	
Total site area (including irreplaceable habitat area):	31.90

Cell style conventions	
	
	Input err
	Use c

On-site baseline map

Insert



On-site baseline map reference number	
---------------------------------------	--



Off-site baseline map reference number	
--	--

Figure 4.0 - Calculation Tool

Next page

East Sussex County Council	
Suncoast Solar Farm	
Low Carbon	
Full	
TBC	
William Wells	
24 March 2025	
George Siskos	
v2	
You must specify if irreplaceable habitats are on-site at baseline ▲	
Irreplaceable habitat area at baseline:	0.00

5
Attention required
Error/rules and principles not met
Use of this cell is not appropriate
Enter data
Automatic lookup
Result

Instructions

Main menu

Results

[View all](#)

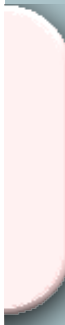
Reset view

Insert

On-site post-intervention map reference number

Insert

Off-site post-intervention reference number





The Biodiversity

Key



Area



Hedgerows and
lines of trees



Watercourses

Start page

In

Start here

1



2

On-site baseline

A-1 On-site
Area Habitat
Baseline



B-1
On-site Hedge
Baseline



C-1
On-site
Watercourse
Baseline



On-site post develop

A-2 On-site Area
Habitat Creation



B-2 On-site
Hedge Creation



C-2 On-site
Watercourse
Creation



A-3 O
H
Enh

B-3 On
Enh

C-
Wa
Enh

Hy Metric 4.0 - Calculation Tool

Main menu

Instructions Technical data **Results**



3



Development

Off-site baseline

On-site Area
Habitat
enhancement

D-1
Off-site
Area Habitat Baseline



D-2
Ha


On-site Hedge
enhancement

E-1
Off-site Hedge
Baseline

E-2

3 On-site
Watercourse
enhancement

F-1
Off-site Watercourse
Baseline



F-1
W

Tree helper						
Tree size	Number of trees and area (ha) for each condition state					
	Poor	Area	Moderate	Area	Good	Area
Small		0.0000		0.0000		0.0000
Medium		0.0000		0.0000		0.0000
Large		0.0000		0.0000		0.0000
Total	0	0.0000	0	0.0000	0	0.0000

4

Off-site post development

2 Off-site Area
Habitat Creation

Off-site Hedge
Creation

F-2 Off-site
Watercourse
Creation

The Biodiversity Metric 4.0 Results

**Return to start
page**

Headline results

Detailed results

0 - Calculation Tool

**Habitat trading
summaries**

**Off-site
summary**



Suncoast Solar Farm
Headline Results
Scroll down for final results ⚠

Return to
results menu

Errors flagged below
further down

On-site baseline	Habitat units
	Hedgerow units
	Watercourse units
On-site post-intervention (Including habitat retention, creation & enhancement)	Habitat units
	Hedgerow units
	Watercourse units
On-site net change (units & percentage)	Habitat units
	Hedgerow units
	Watercourse units
Off-site baseline	Habitat units
	Hedgerow units
	Watercourse units
Off-site post-intervention (Including habitat retention, creation & enhancement)	Habitat units
	Hedgerow units
	Watercourse units
Off-site net change	Habitat units

Off-site net change

(units & percentage)

Hedgerow units

Watercourse units

Combined net unit change

(Including all on-site & off-site habitat retention, creation & enhancement)

Habitat units

Hedgerow units

Watercourse units

Spatial risk multiplier (SRM) deductions

Habitat units

Hedgerow units

Watercourse units

FINAL RESULTS

Total net unit change

(Including all on-site & off-site habitat retention, creation & enhancement)

Habitat units

Hedgerow units

Watercourse units

Total net % change

(Including all on-site & off-site habitat retention, creation & enhancement)

Habitat units

Hedgerow units

Watercourse units

Trading rules satisfied?

Yes

You must specify if irreplaceable habitats are on-site at baseline ▲

Unit Type	Target	Baseline Units	Units Required
<i>Habitat units</i>	10.00%	179.47	197.42
<i>Hedgerow units</i>	10.00%	0.00	0.00
<i>Watercourse units</i>	10.00%	53.68	59.05

view - please investigate further ▲

179.47
0.00
53.68

209.74
0.00
54.37

30.27	16.87%
0.00	0.00%
0.69	1.29%

On-site net gain is less than target set ▲

0.00
0.00
0.00

0.00
0.00
0.00

0.00	0.00%
------	-------

0.00	0.00%
0.00	0.00%

30.27
0.00
0.69

0.00
0.00
0.00

--

30.27
0.00
0.69

16.87%
0.00%
1.29%

Total net gain achieved is less than target set \triangle

s ✓

Unit Deficit

0.00

0.00

4.68

Unit requirement met or surpassed ✓

Unit requirement met or surpassed ✓

Project

Condense / Show C

Main Menu

Ref	Broad Habitat
1	Grassland
2	Grassland
3	Grassland
4	Urban
5	Heathland and shrub
6	Watercourse footprint
7	Grassland
8	
9	
10	
11	
12	Urban

Site Name: Suncoast Solar Farm Map Reference:

A-1 On-Site Habitat Baseline

Columns

Condense / Show Rows

Instructions

Existing area habitats

Habitat Type	Area (hectares)
Other neutral grassland	10.69
Other neutral grassland	12.24
Modified grassland	3.52
Bare ground	0.19
Mixed scrub	0.67
Watercourse footprint	0.29
Modified grassland	1.3
	3
Total habitat area	31.90
Site Area (Excluding area of Individual trees and Green walls)	31.90



M² to hectares conversion tool:

Select a unit

Area habitat sum	
Total Net Unit Change	
Total Net % Change	
Trading Rules Satisfied	

Please ensure the watercourse details for any watercourse
watercourse tab

Distinctiveness		Condition	
Distinctiveness	Score	Condition	Score
Medium	4	Poor	1
Medium	4	Moderate	2
Low	2	Poor	1
Low	2	Poor	1
Medium	4	Moderate	2
V.low	0	N/A - Other	0
Low	2	Poor	1

Hectares	M ²

Summary
30.27
16.87%
Yes ✓

course footprints recorded are included in the
 os ⚠

Strategic significance		
Strategic significance	Strategic significance	Strategic Significance multiplier
Formally identified in local strategy	High strategic significance	1.15
Formally identified in local strategy	High strategic significance	1.15
Formally identified in local strategy	High strategic significance	1.15
Formally identified in local strategy	High strategic significance	1.15
Formally identified in local strategy	High strategic significance	1.15
Formally identified in local strategy	High strategic significance	1.15
Formally identified in local strategy	High strategic significance	1.15

Required Action to Meet Trading Rules	Ecological baseline
	Total habitat units
Same broad habitat or a higher distinctiveness habitat required (\geq)	49.17
Same broad habitat or a higher distinctiveness habitat required (\geq)	112.61
Same distinctiveness or better habitat required \geq	8.10
Same distinctiveness or better habitat required \geq	0.44
Same broad habitat or a higher distinctiveness habitat required (\geq)	6.16
Compensation Not Required	0.00
Same distinctiveness or better habitat required \geq	2.99
	179.47

Retention ca		
Area retained	Area enhanced	Baseline units retained
	8.66	0.00
5.9	4.22	54.28
	3.32	0.00
0.19		0.44
0.64		5.89
0.29		0.00
	1.3	0.00
3		
10.02	17.50	60.61

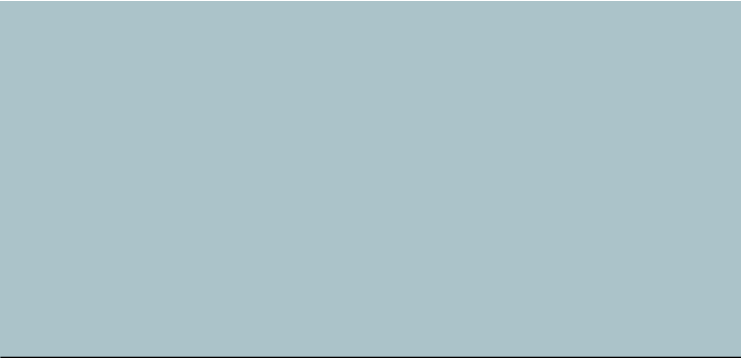
Total area lost (excluding area of Indi and Green walls)



Category biodiversity value			Bespoke compensation agreed for unacceptable losses
Baseline units enhanced	Area habitat lost	Units lost	
39.84	2.03	9.34	
38.82	2.12	19.50	
7.64	0.20	0.46	
0.00	0.00	0.00	
0.00	0.03	0.28	
0.00	0.00	0.00	
2.99	0.00	0.00	
	0.00	0.00	
89.29	4.38	29.58	

Individual trees	4.38
------------------	------





User comments

Areas not surveyed



[illegible]



Project Name: Suncoast Solar Farm

Map Reference:

A-2 On-Site Habitat Creation

Show Columns

Condense / Show Rows

Menu

Instructions

Proposed habitat

Developed land; sealed surface

Developed land; sealed surface

Mixed scrub

Total habitat area

Site Area (Excluding area of Individual trees and Green walls)

M² to hectares conversion tool:

Area habitat summary	
Total Net Unit Change	30.27
Total Net % Change	16.87%
Trading Rules Satisfied	Yes ✓
Area Check (excluding individual trees and green walls)	Area Acceptable ✓

Post development/ post intervention

Area (hectares)	Distinctiveness	Condition	Strategic significance
	Distinctiveness	Condition	Strategic significance
0.57	V.Low	N/A - Other	Formally identified in local strategy
0.76	V.Low	N/A - Other	Formally identified in local strategy
0.29	Medium	Moderate	Formally identified in local strategy
2.76			
4.38			

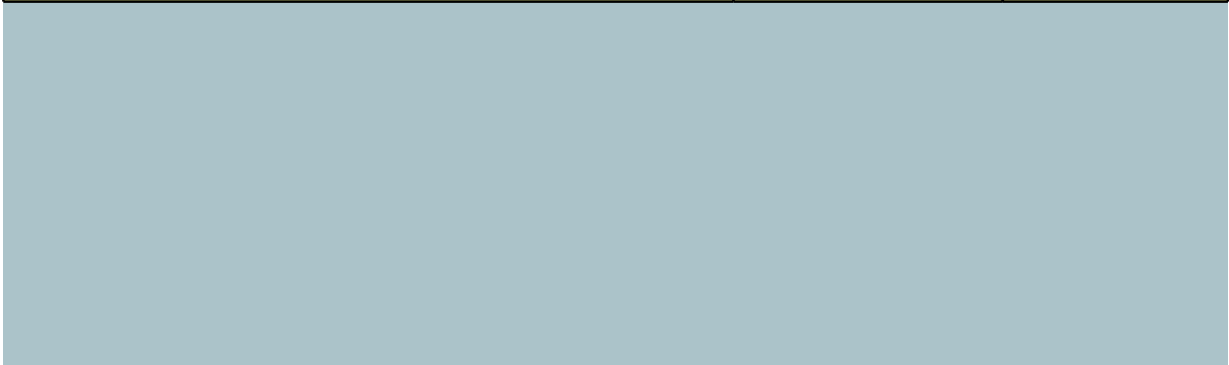
4.38

Select a unit	Hectares	M²



vention habitats

		Difficulty
Standard or adjusted time to target condition	Final time to target condition (years)	Final difficulty of creation
Standard time to target condition applied	0	Medium
Standard time to target condition applied	0	Medium
Standard time to target condition applied	5	Low



Con	
Habitat units delivered	User comments
0.00	Paths and Building
0.00	PV area
2.23	New planting
	Additionality
2.23	

[illegible]

Project Name: Suncoast Solar Farm

Map Reference:

A-3 On-Site Habitat Enhancement

Condense / Show Columns

Condense / Show Rows

Main Menu

Instructions

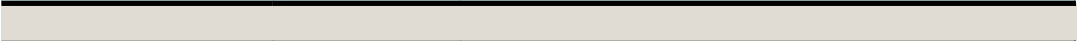
	Baseline habitats
Baseline ref	Baseline habitat
1	Grassland - Other neutral grassland
2	Grassland - Other neutral grassland
3	Grassland - Modified grassland
7	Grassland - Modified grassland

	Proposed Broad Habitat
	Grassland
	Grassland
	Grassland
	Grassland

Area habitat s
Total Net Unit Change
Total Net % Change
Trading Rules Satisfied
osed Habitat (Pre-populated but can be overridden)
Proposed habitat
Other neutral grassland
Other neutral grassland
Other neutral grassland
Other neutral grassland

summary
30.27
16.87%
Yes ✓

Post development/ post intervention habitats		
Change in distinctiveness and condition		Area (hectares)
Distinctiveness change	Condition change	
Medium - Medium	Poor - Moderate	8.66
Medium - Medium	Moderate - Good	4.22
Low - Medium	Lower Distinctiveness Habitat - Poor	3.32
Low - Medium	Lower Distinctiveness Habitat - Good	1.3
Total habitat area		17.50



Distinctiveness	Condition	Strategic significance
		Strategic significance
Medium	Moderate	Formally identified in local strategy
Medium	Good	Formally identified in local strategy
Medium	Poor	Formally identified in local strategy
Medium	Good	Formally identified in local strategy



		Difficulty risk multipliers	Habitat units delivered
Standard or adjusted time to target condition	Final time to target condition (years)	Final difficulty of enhancement	
Standard time to target condition applied	10	Low	67.73
Standard time to target condition applied	10	Low	52.42
Standard time to target condition applied	1	Low	15.00
Standard time to target condition applied	15	Low	11.75
			146.91

**GIS reference
number**

[illegible]

Project Name: Suncoast Solar Farm Map Reference:

C-1 On-Site WaterC' Baseline

Condense / Show Columns

Condense / Show Rows

Main Menu

Instructions

Existing watercourse type		
Baseline ref	Watercourse type	Length (km)
1	Other rivers and streams	1
2	Ditches	2.94
3		
4		
5		
6		
7		
		3.94

Watercourse summary				
Total Net Unit Change		0.69		
Total Net % Change		1.29%		
Trading Rules Satisfied		Yes ✓		
Distinctiveness		Condition		Strategic sign
Distinctiveness	Score	Condition	Score	Strategic significance
High	6	Fairly Good	2.5	Formally identified in local strategy
Medium	4	Good	3	Formally identified in local strategy

A 'Fairly' Category has been used - check evidence to en

ificance		Watercourse encroachment		Riparian encroachment
Strategic significance	Strategic significance multiplier	Extent of encroachment	Multiplier	Extent of encroachment for both banks
High strategic significance	1.15	Minor	0.8	Minor/ Minor
High strategic significance	1.15	No Encroachment	1	No Encroachment/ No Encroachment

Ensure this is appropriate ⚠

ment	Required Action	Ecological
	to Meet Trading	baseline
Multiplier	Rules	Total
		watercourse
		units
0.95	Same habitat	13.11
	required =	
1	Same habitat	40.57
	required =	
		53.68

Retention ca		
Length	Length	Units retained
retained	enhanced	
	1	0.00
2.94		40.57
2.94	1.00	40.57

Category biodiversity value			Bespoke compensation agreed for unacceptable losses
Units enhanced	Length Lost	Units Lost	
13.11	0.00	0.00	
0.00	0.00	0.00	
13.11	0.00	0.00	



Comments

User Comments



ments

[illegible]

Project Name: Suncoast Solar Farm Map Reference

C-3 On-Site WaterC' Enhancement

Condense / Show

Condense / Show

Main Menu

Instructions

Baseline habitats

Baseline ref	Baseline habitat
1	Other rivers and streams

	Water	
	Total Net Unit Change	
	Total Net % Change	
	Trading Rules Satisfied	
Proposed Watercourse Type (Pre-populated can be overridden)	Change in di	
	Distinctiveness movement	
Other rivers and streams	High - High	
Ditches		

rcourse summary
0.69
1.29%
Yes ✓

y has been us

Post development/ post intervention hal			
stinctiveness and condition	Length (km)	Habitat distinctiveness	Habitat condition
Condition movement		Distinctiveness	Condition
Fairly Good - Fairly Good	1	High	Fairly Good
	#N/A	Medium	Good
	#N/A		

sed - check evidence to ensure this

bitats

Strategic significance	Temporal multiplier	
Strategic significance	Standard or adjusted time to target condition	Final time to target condition (years)
Formally identified in local strategy	Standard time to target condition applied	1
Formally identified in local strategy		

	Watercourse encroachment	Riparian encroachment	Watercourse units delivered
Final difficulty of enhancement	Extent of encroachment	Extent of encroachment for both banks	
Medium	Minor	No Encroachment/ No Encroachment	13.80
Medium	No Encroachment	Minor/ Minor	
			13.80

[illegible]

Project Name: Suncoast Solar Farm

Map Reference:

F-2 Off-Site WaterC' Creation

Condense / Show Columns

Condense / Show Rows

Main Menu

Instructions

Baseline ref	Proposed habitats		Distinctive
	Watercourse type	Length km	Distinctiveness
1	Ditches	0.5	Medium
2			
3			
4			
5			
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7			
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247			
248		0.50	

[illegible]

[illegible]

[illegible]

course summary

	0.69
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	1.29%
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	Yes ✓
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	T
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