

The Biodiversity Metric

Start

Project details	
Planning authority:	
Project name:	
Applicant:	
Application type:	
Planning application reference:	
Assessor:	
Reviewer:	
Metric version:	
Assessment date:	
Planning authority reviewer:	

Cell style conventions	

On-site baseline map

Insert

Off-site baseline map

Insert

Figure 3.1 - Calculation Tool

on this page

Enter data
Automatic lookup
Result

Instructions

Main menu

Results

View all

Reset view

On-site post intervention map

Insert

Off-site post intervention map

Insert







Key

Area habitats



Hedgerows and
lines of trees



Rivers and streams

Start here

1



2

The Biodiversity M M

Start page

Instructi

On-site baseline

A-1 On-site
habitat
baseline



B-1
On-site hedge
baseline



C-1
On-site river
baseline



On-site post development

A-2 Habitat
creation



B-2 Hedgerow
creation



C-2 River creation



A-3 Habitat
enhancemen



B-3 Hedgerow
enhancemen



C-3 River
enhancemen



Metric 3.1 - Calculation Tool

Main menu

Urban
Tree size
Small
Medium
Large
Total

ons

Technical data

Results

3

Off-site baseline

D-1
Off-site
habitat baseline



E-1
Off-site hedge
baseline



F-1
Off-site river
baseline



Off-site

D-2 Off-site habi
creation



E-2 Off-site hed
creation



F-2 Off-site river
creation



tree helper

Number of trees and area (ha) for each condition state

Poor	Area	Moderate	Area	Good	Area
	0.0000		0.0000		0.0000
39	1.4284		0.0000		0.0000
	0.0000		0.0000		0.0000
39	1.4284	0	0.0000	0	0.0000

4

e post development

itat

D-3 Off-site habitat
enhancement



ge

E-3 Off-site hedge
enhancement



er

F-3 Off-site river
enhancement



The Biodiversity Metric 3.1 - Calculated Results

[Return to start page](#)

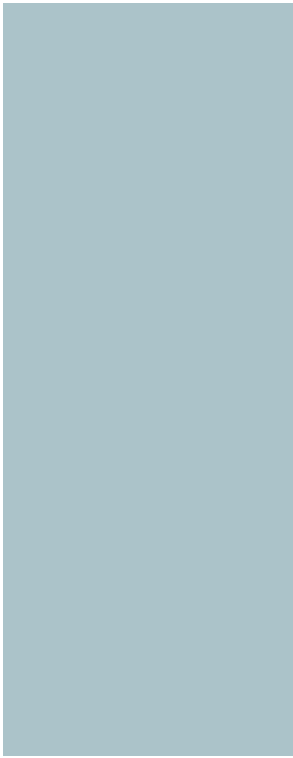
[Headline results](#)

[Detailed results](#)

lation Tool

alts

Habitat trading
summary



Headline Results

[Return to
results menu](#)

On-site baseline

Habitat units

Hedgerow units

River units

On-site post-intervention

(Including habitat retention, creation & enhancement)

Habitat units

Hedgerow units

River units

On-site net % change

(Including habitat retention, creation & enhancement)

Habitat units

Hedgerow units

River units

Off-site baseline

Habitat units

Hedgerow units

River units

Off-site post-intervention

(Including habitat retention, creation & enhancement)

Habitat units

Hedgerow units

River units

Total net unit change (including all on-site & off-site habitat retention, creation & enhancement)	Habitat units
	Hedgerow units
	River units
Total on-site net % change plus off-site surplus (including all on-site & off-site habitat retention, creation & enhancement)	Habitat units
	Hedgerow units
	River units
Trading rules Satisfied?	No - Check Trac

14.72
0.07
0.00

18.50
0.07
0.00

25.65%
0.00%
0.00%

0.00
0.00
0.00

0.00
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3.78
0.00
0.00

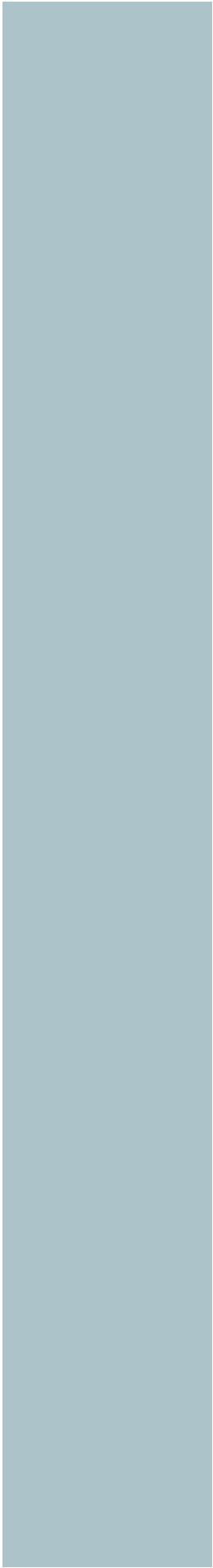
25.65%
0.00%
0.00%

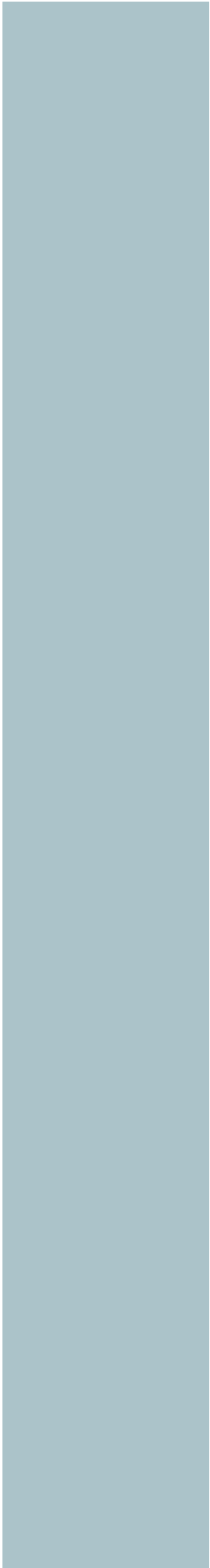
ding Summary ▲

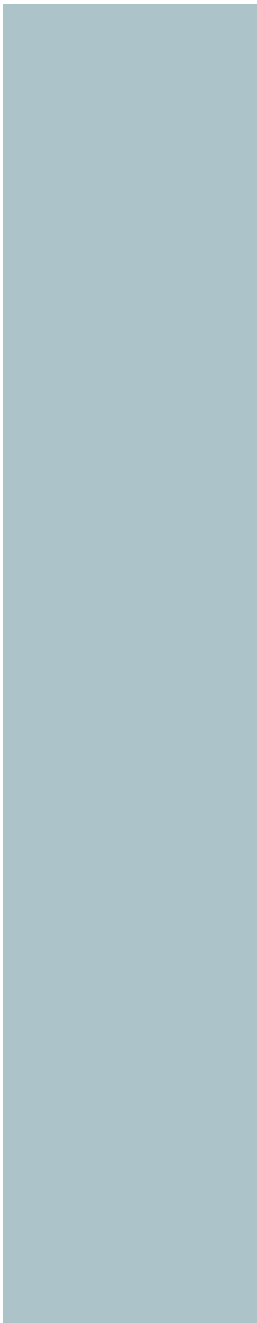




Return to
results
menu







Tradin
Distinctiveness Group
Very High
High
Medium
Low
Very High
Habitat group
Grassland - Lowland dry acid grassland
Grassland - Lowland meadows
Grassland - Upland hay meadows
Heathland and shrub - Mountain heaths and willow scrub
Lakes - Aquifer fed naturally fluctuating water bodies
Sparsely vegetated land - Calaminarian grasslands
Sparsely vegetated land - Limestone pavement
Wetland - Blanket bog
Wetland - Depressions on Peat substrates (H7150)
Wetland - Fens (upland and lowland)
Wetland - Lowland raised bog
Wetland - Oceanic Valley Mire[1] (D2.1)
Wetland - Purple moor grass and rush pastures
Wetland - Transition mires and quaking bogs (H7140)
Woodland and forest - Wood-pasture and parkland
Rocky shore - High energy littoral rock - on peat, clay or chalk
Rocky shore - Moderate energy littoral rock - on peat, clay or chalk
Rocky shore - Low energy littoral rock - on peat, clay or chalk
Rocky shore - Features of littoral rock - on peat, clay or chalk
Intertidal sediment - Littoral seagrass on peat, clay or chalk
High Di
Habitat group
Grassland - Traditional orchards
Grassland - Floodplain Wetland Mosaic (CFGM)

Grassland - Lowland calcareous grassland
Grassland - Tall herb communities (H6430)
Grassland - Upland calcareous grassland
Heathland and shrub - Lowland Heathland
Heathland and shrub - Sea buckthorn scrub (Annex 1)
Heathland and shrub - Upland Heathland
Lakes - High alkalinity lakes
Lakes - Low alkalinity lakes
Lakes - Marl Lakes
Lakes - Moderate alkalinity lakes
Lakes - Peat Lakes
Lakes - Ponds (Priority Habitat)
Lakes - Temporary lakes, ponds and pools
Sparsely vegetated land - Coastal sand dunes
Sparsely vegetated land - Coastal vegetated shingle
Sparsely vegetated land - Inland rock outcrop and scree habitats
Sparsely vegetated land - Maritime cliff and slopes
Urban - Open Mosaic Habitats on Previously Developed Land
Wetland - Reedbeds
Woodland and forest - Felled
Woodland and forest - Lowland beech and yew woodland
Woodland and forest - Lowland mixed deciduous woodland
Woodland and forest - Native pine woodlands
Woodland and forest - Upland birchwoods
Woodland and forest - Upland mixed ashwoods
Woodland and forest - Upland oakwood
Woodland and forest - Wet woodland
Coastal lagoons - Coastal lagoons
Rocky shore - High energy littoral rock
Rocky shore - Moderate energy littoral rock
Rocky shore - Low energy littoral rock
Rocky shore - Features of littoral rock
Intertidal sediment - Littoral mud
Intertidal sediment - Littoral mixed sediments
Coastal saltmarsh - Saltmarshes and saline reedbeds
Intertidal sediment - Littoral biogenic reefs - Mussels
Intertidal sediment - Littoral biogenic reefs - Sabellaria
Intertidal sediment - Features of littoral sediment
Intertidal sediment - Littoral muddy sand



Medium I

Habitat Group

Cropland - Arable field margins cultivated annually
Cropland - Arable field margins game bird mix
Cropland - Arable field margins pollen & nectar
Cropland - Arable field margins tussocky
Grassland - Other lowland acid grassland
Grassland - Other neutral grassland
Grassland - Upland acid grassland
Heathland and shrub - Blackthorn scrub
Heathland and shrub - Bramble scrub
Heathland and shrub - Gorse scrub
Heathland and shrub - Hawthorn scrub
Heathland and shrub - Hazel scrub
Heathland and shrub - Mixed scrub
Lakes - Ponds (Non- Priority Habitat)
Lakes - Reservoirs
Sparsely vegetated land - Other inland rock and scree
Urban - Cemeteries and churchyards
Urban - Biodiverse green roof
Urban - Urban Tree
Woodland and forest - Other Scot's Pine woodland
Woodland and forest - Other woodland; broadleaved
Woodland and forest - Other woodland; mixed
Intertidal sediment - Littoral coarse sediment
Intertidal sediment - Littoral sand
Intertidal Hard Structures - Artificial hard structures with Integrated Greening of Grey Infrastructure (IGGI)



Low Distinctiveness	
Habitat group	
Cropland - Cereal crops	
Cropland - Horticulture	
Cropland - Intensive orchards	
Cropland - Non-cereal crops	
Cropland - Temporary grass and clover leys	
Cropland - Cereal crops winter stubble	
Grassland - Modified grassland	
Grassland - Bracken	
Heathland and shrub - Rhododendron scrub	
Lakes - Ornamental lake or pond	

Sparsely vegetated land - Ruderal/Ephemeral
Urban - Bioswale
Urban - Allotments
Urban - Facade-bound green wall
Urban - Ground based green wall
Urban - Ground level planters
Urban - Other green roof
Urban - Intensive green roof
Urban - Introduced shrub
Urban - Rain garden
Urban - Actively worked sand pit quarry or open cast mine
Urban - Sustainable urban drainage feature
Urban - Vacant/derelict land/ bareground
Urban - Vegetated garden
Woodland and forest - Other coniferous woodland
Coastal saltmarsh - Artificial saltmarshes and saline reedbeds
Intertidal sediment - Artificial littoral coarse sediment
Intertidal sediment - Artificial littoral mud
Intertidal sediment - Artificial littoral sand
Intertidal sediment - Artificial littoral muddy sand
Intertidal sediment - Artificial littoral mixed sediments
Intertidal sediment - Artificial littoral seagrass
Intertidal sediment - Artificial littoral biogenic reefs
Intertidal Hard Structures - Artificial hard structures
Intertidal Hard Structures - Artificial features of hard structures
Heathland and shrub - Sea buckthorn scrub (other)



Trading Rule

Bespoke compensation likely to be required ✖

Same habitat required =

Same broad habitat or a higher distinctiveness habitat required ($\geq$)
--

Same distinctiveness or better habitat required $\geq$
--

Group	On Site Unit Change	Off Site Unit Change	Project wide Unit Change
Grassland	0.00	0.00	0.00
Grassland	0.00	0.00	0.00
Grassland	0.00	0.00	0.00
Heathland and shrub	0.00	0.00	0.00
Lakes	0.00	0.00	0.00
Sparsely vegetated land	0.00	0.00	0.00
Sparsely vegetated land	0.00	0.00	0.00
Wetland	0.00	0.00	0.00
Wetland	0.00	0.00	0.00
Wetland	0.00	0.00	0.00
Wetland	0.00	0.00	0.00
Wetland	0.00	0.00	0.00
Wetland	0.00	0.00	0.00
Wetland	0.00	0.00	0.00
Woodland and forest	0.00	0.00	0.00
Rocky shore	0.00	0.00	0.00
Rocky shore	0.00	0.00	0.00
Rocky shore	0.00	0.00	0.00
Rocky shore	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
	0.00	0.00	0.00

stinctiveness

Group	On Site Unit Change	Off Site Unit Change	Project wide Unit Change
Grassland	0.00	0.00	0.00
Grassland	0.00	0.00	0.00

Grassland	0.00	0.00	0.00
Grassland	0.00	0.00	0.00
Grassland	0.00	0.00	0.00
Heathland and shrub	0.00	0.00	0.00
Heathland and shrub	0.00	0.00	0.00
Heathland and shrub	0.00	0.00	0.00
Lakes	0.00	0.00	0.00
Lakes	0.00	0.00	0.00
Lakes	0.00	0.00	0.00
Lakes	0.00	0.00	0.00
Lakes	0.00	0.00	0.00
Lakes	0.00	0.00	0.00
Lakes	0.00	0.00	0.00
Sparsely vegetated land	0.00	0.00	0.00
Sparsely vegetated land	0.00	0.00	0.00
Sparsely vegetated land	0.00	0.00	0.00
Sparsely vegetated land	0.00	0.00	0.00
Urban	0.00	0.00	0.00
Wetland	0.00	0.00	0.00
Woodland and forest	0.00	0.00	0.00
Woodland and forest	0.00	0.00	0.00
Woodland and forest	0.00	0.00	0.00
Woodland and forest	0.00	0.00	0.00
Woodland and forest	0.00	0.00	0.00
Woodland and forest	0.00	0.00	0.00
Woodland and forest	0.00	0.00	0.00
Woodland and forest	0.00	0.00	0.00
Coastal lagoons	0.00	0.00	0.00
Rocky shore	0.00	0.00	0.00
Rocky shore	0.00	0.00	0.00
Rocky shore	0.00	0.00	0.00
Rocky shore	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
Coastal Saltmarsh	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
	0.00	0.00	0.00

Distinctiveness

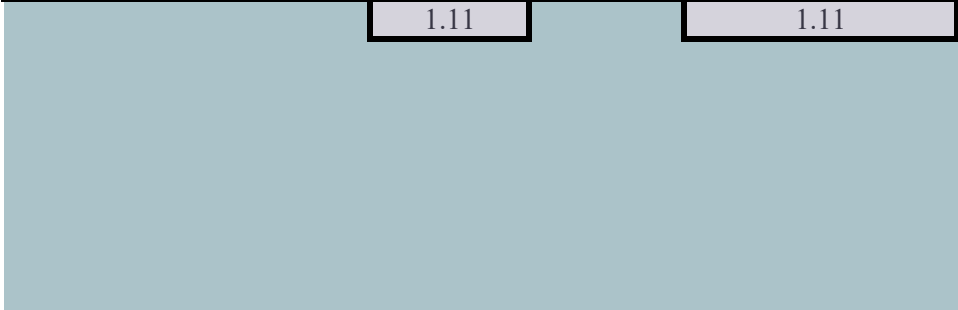
Group	On site unit change	Off Site unit Change	Project wide unit change
-------	---------------------------	----------------------------	-----------------------------

Cropland	0.00	0.00	0.00
Cropland	0.00	0.00	0.00
Cropland	0.00	0.00	0.00
Cropland	0.00	0.00	0.00
Grassland	0.00	0.00	0.00
Grassland	0.00	0.00	0.00
Grassland	0.00	0.00	0.00
Heathland and shrub	0.00	0.00	0.00
Heathland and shrub	0.00	0.00	0.00
Heathland and shrub	0.00	0.00	0.00
Heathland and shrub	0.00	0.00	0.00
Heathland and shrub	0.00	0.00	0.00
Heathland and shrub	-0.56	0.00	-0.56
Lakes	0.00	0.00	0.00
Lakes	0.00	0.00	0.00
Sparsely vegetated land	0.00	0.00	0.00
Urban	0.00	0.00	0.00
Urban	0.00	0.00	0.00
Urban	3.22	0.00	3.22
Woodland and forest	0.00	0.00	0.00
Woodland and forest	0.00	0.00	0.00
Woodland and forest	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
Intertidal	0.00	0.00	0.00
	2.66	0.00	2.66

SS

Group	On site unit change	Off Site Unit Change	Project wide unit change
Cropland	0.00	0.00	0.00
Cropland	0.00	0.00	0.00
Cropland	0.00	0.00	0.00
Cropland	0.00	0.00	0.00
Cropland	0.00	0.00	0.00
Cropland	0.00	0.00	0.00
Grassland	0.93	0.00	0.93
Grassland	0.00	0.00	0.00
Heathland and shrub	0.00	0.00	0.00
Lakes	0.00	0.00	0.00

Sparsely vegetated land	0.00	0.00	0.00
Sparsely vegetated land	0.00	0.00	0.00
Urban	0.00	0.00	0.00
Urban	0.00	0.00	0.00
Urban	0.00	0.00	0.00
Urban	0.00	0.00	0.00
Urban	0.00	0.00	0.00
Urban	0.00	0.00	0.00
Urban	0.01	0.00	0.01
Urban	0.00	0.00	0.00
Urban	0.00	0.00	0.00
Urban	0.18	0.00	0.18
Urban	0.00	0.00	0.00
Urban	0.00	0.00	0.00
Woodland and forest	0.00	0.00	0.00
Coastal saltmarsh	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
Intertidal	0.00	0.00	0.00
Intertidal	0.00	0.00	0.00
Heathland and shrub	0.00	0.00	0.00
	1.11		1.11



Trading Satisfied?
Yes ✓
Yes ✓
No ▲
Yes ✓

Unit Losses
0.00

Very High Distinctiveness Summary
Very High Distinctiveness Units available to offset lower distinctiveness deficit

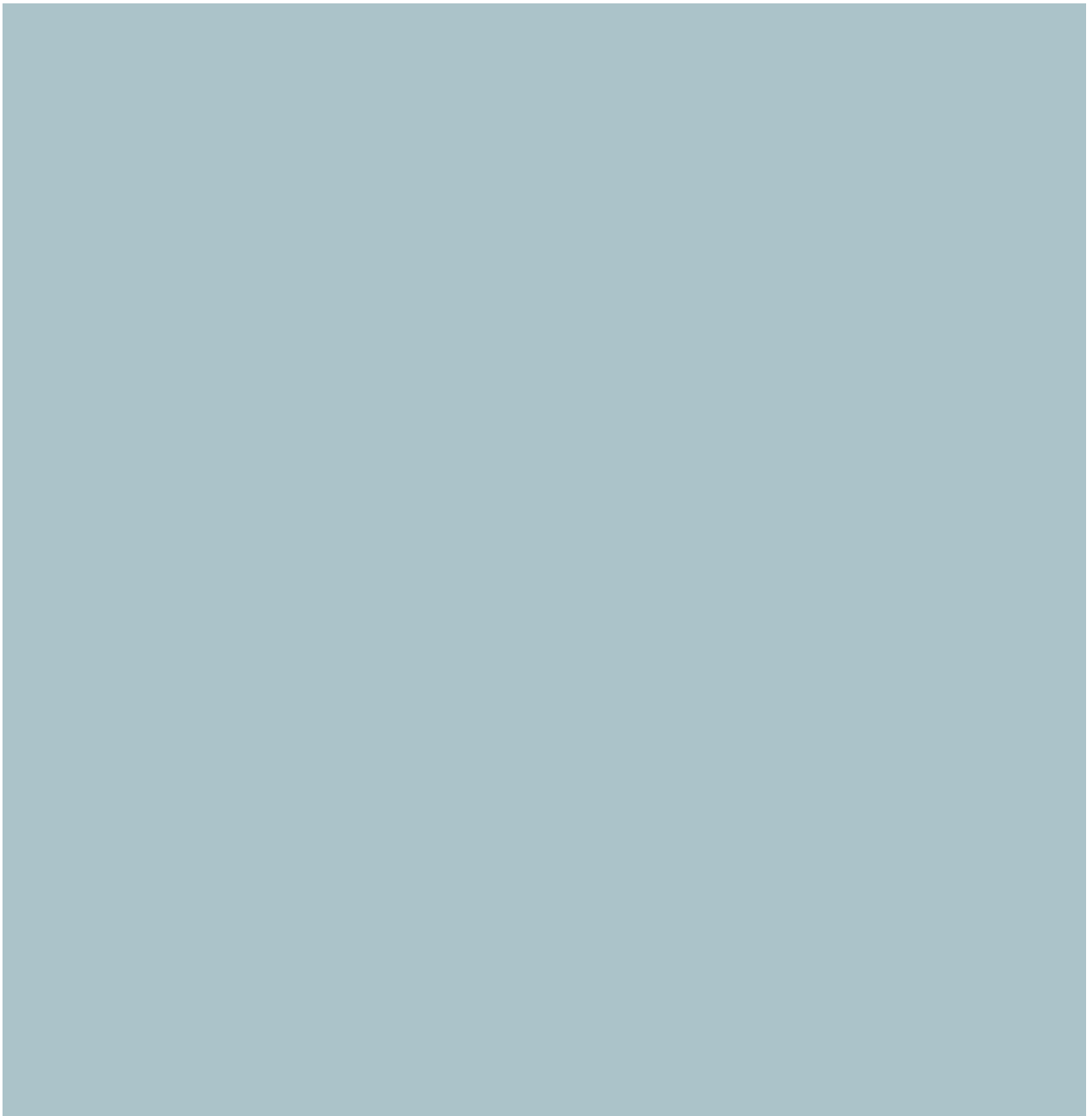
Losses not yet accounted for

High Distinctiveness Summary
High Distinctiveness Units available to offset lower distinctiveness deficit
Unit Defecit; Like for like not satisfied

0.00
0.00
-0.56
0.00
0.00
3.22
0.00
0.00

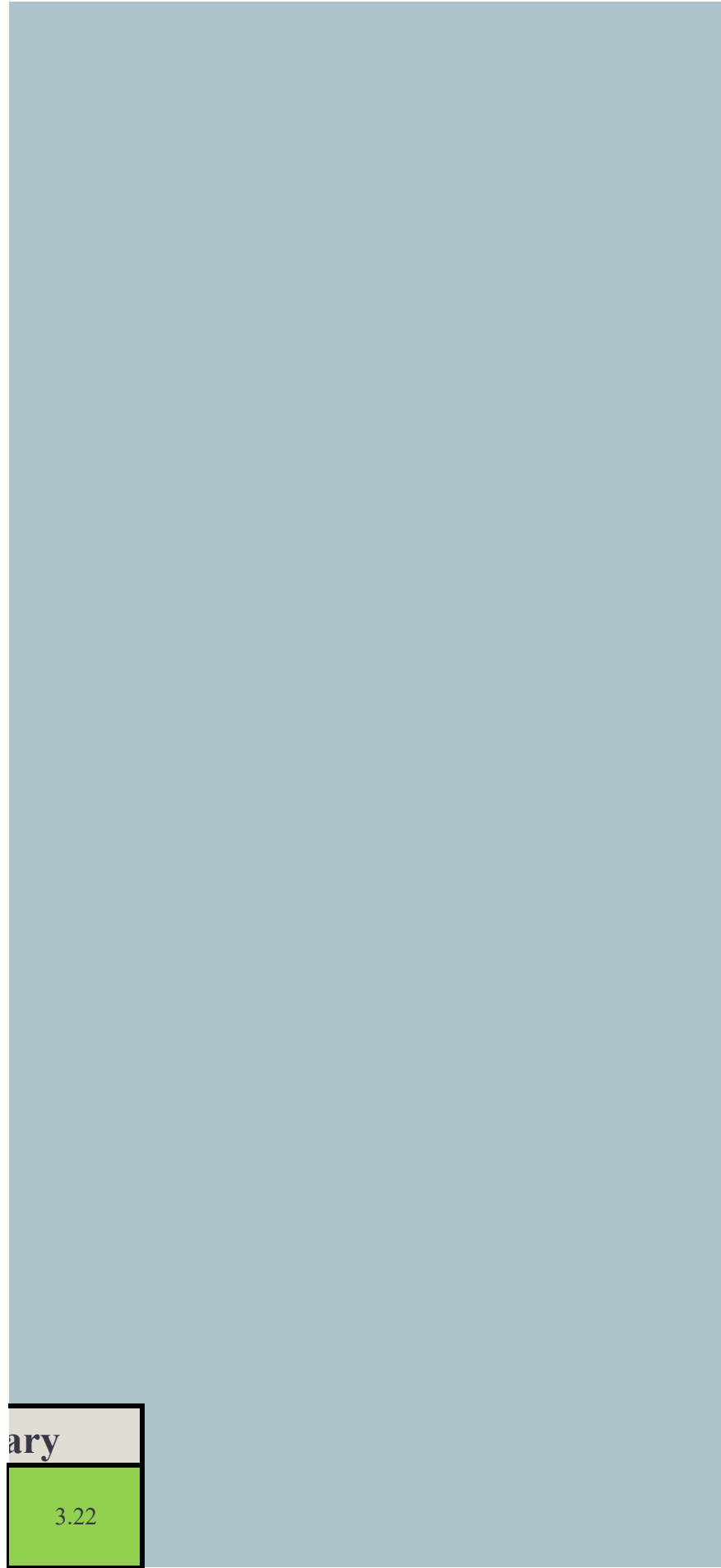
Medium Distinctiveness Broad Habitat Deficit to be offset by trading up
Higher distinctiveness surplus units minus Medium Distinctiveness Broad Habitat Defecit
Cumulative surplus of units

Low Distinctiveness Summary
Low Distinctiveness Net Change in Units
Cumulative surplus of units



ary
0.00

y
0.00
☒ 0.00



ary	
3.22	

-0.56
0.00
3.22

y
1.11
4.34



	Condense / Show C
	Main Menu
Ref	Broad Habitat
1	Woodland and forest
2	Heathland and shrub
3	Urban
4	Grassland
5	Urban
6	Urban
7	
8	
9	
10	
11	

A-1 Site Habitat Baseline

Columns

Condense / Show Rows

Instructions

Habitats and areas	
Habitat Type	Area (hectares)
Other woodland; broadleaved	0.06
Mixed scrub	0.14
Developed land; sealed surface	3.04
Modified grassland	0.84
Developed land; sealed surface	4.82
Urban Tree	1.53
Total habitat area	10.43

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

Strategic significance		
Strategic significance	Strategic significance	Strategic Significance multiplier
Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1
Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1
Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1
Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1
Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1
Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1

Suggested action to address habitat losses	Ecological baseline
	Total habitat units
Same broad habitat or a higher distinctiveness habitat required ($\geq$)	0.24
Same broad habitat or a higher distinctiveness habitat required ($\geq$)	0.56
Compensation Not Required	0.00
Same distinctiveness or better habitat required $\geq$	1.68
Compensation Not Required	0.00
Same broad habitat or a higher distinctiveness habitat required ($\geq$)	12.24
	14.72

Retention ca		
Area retained	Area enhanced	Baseline units retained
0.06		0.24
		0.00
		0.00
		0.00
		0.00
1.39		11.12
1.45	0.00	11.36

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

Category biodiversity value			Bespoke compensation agreed for unacceptable losses
Baseline units enhanced	Area habitat lost	Units lost	
0.00	0.00	0.00	
0.00	0.14	0.56	
0.00	3.04	0.00	
0.00	0.84	1.68	
0.00	4.82	0.00	
0.00	0.14	1.12	
0.00	8.98	3.36	

Urban trees	8.84
-------------	------



Comments
Assessor comments
Four tree lost which equates to 0.14ha. So, 1.53 - 0.14 = 1.39 retained trees.



Conclusions

Reviewer comments

[illegible]

Condense / Sh
Main M
Broad Habitat
Grassland
Urban
Urban
Urban
Urban
Urban

A-2 Site Habitat Creation

Show Columns

Condense / Show Rows

Menu

Instructions

Proposed habitat	Area (hectares)
Modified grassland	1.35
Introduced shrub	0.004
Sustainable urban drainage feature	0.14
Developed land; sealed surface	7.35
Urban Tree	1.42
Total habitat area	10.26

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

8.84



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





Strategic significance		
Strategic significance	Strategic significance	Strategic position multiplier
Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1
Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1
Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1
Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1
Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1





Post development/ post intervention habitats

Standard time to target condition/years	Habitat created in advance/years	Delay in starting habitat creation/years
1	0	0
1	0	0
1	0	0
0	0	0
27	0	0





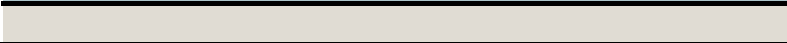
Temporal multiplier		
Standard or adjusted time to target condition	Final time to target condition/years	Final time to target multiplier
Standard time to target condition applied	1	0.965
Standard time to target condition applied	1	0.965
Standard time to target condition applied	1	0.965
Standard time to target condition applied	0	1.000
Standard time to target condition applied	27	0.382





Difficulty multipliers			
Standard difficulty of creation	Applied difficulty multiplier	Final difficulty of creation	Difficulty multiplier applied
Low	Standard difficulty applied	Low	1
Low	Standard difficulty applied	Low	1
Medium	Standard difficulty applied	Medium	0.67
Low	Standard difficulty applied	Medium	0.67
Low	Standard difficulty applied	Low	1
			Total Units





Habitat units delivered	Con
	Assessor comments
2.61	
0.01	
0.18	
0.00	
4.34	39 urban trees created = 1.42ha
7.14	



Condense / Show C

Main Menu

Baseline ref	Hedge number
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B-1 Site Hedge Baseline

columns

Condense / Show Rows

Instructions

UK Habitats - existing habitats

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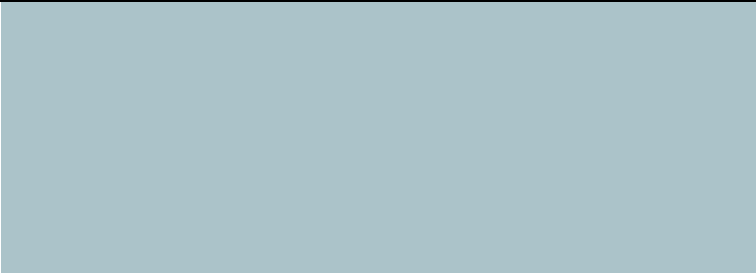
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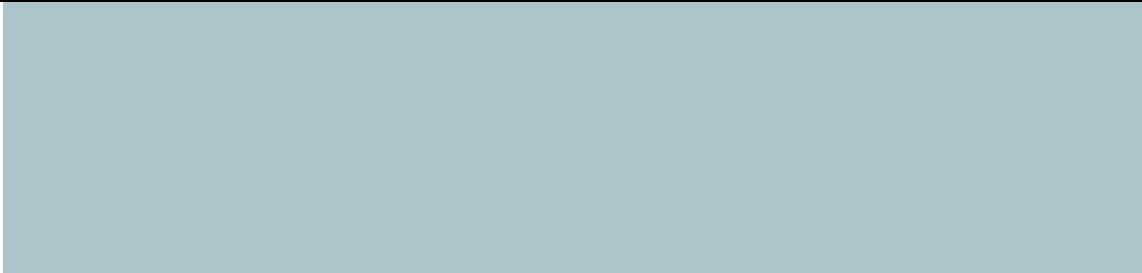


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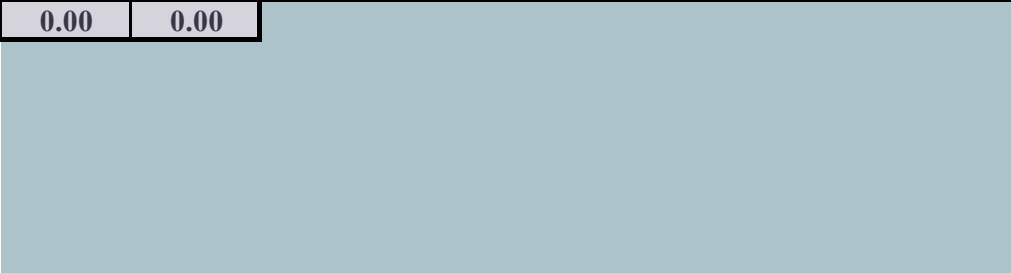
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Conclusions

Reviewer comments

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