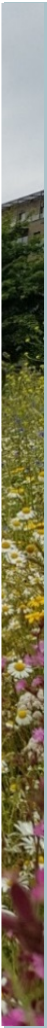


# The Biodiversity Metric 4.0

Auditing and Biodiversity  
[Open Tool](#)  
Calculation Tool






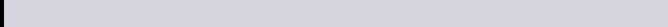




# The Biodiversity Metric

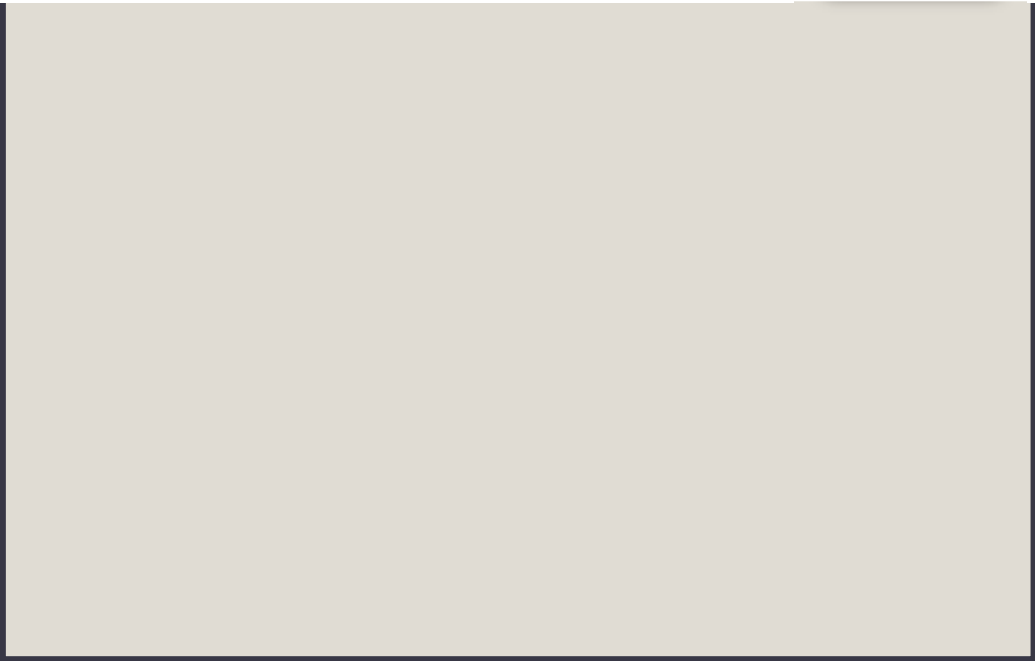
## Start

Project details	
Planning authority:	
Project name:	Land West
Applicant:	Av
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:	No
Total site area (including irreplaceable habitat area):	0.81

Cell style conventions	
	
	Input er
	Use c
	
	
	

On-site baseline map

Insert



On-site baseline map reference number



Off-site baseline map

Insert

Off-site baseline map reference number



Figure 4.0 - Calculation Tool

Next page

[illegible]

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

On-site post intervention map Insert

## Instructions

**Main menu**

## Results

[View all](#)

Reset view

Insert

On-site post-intervention map reference number

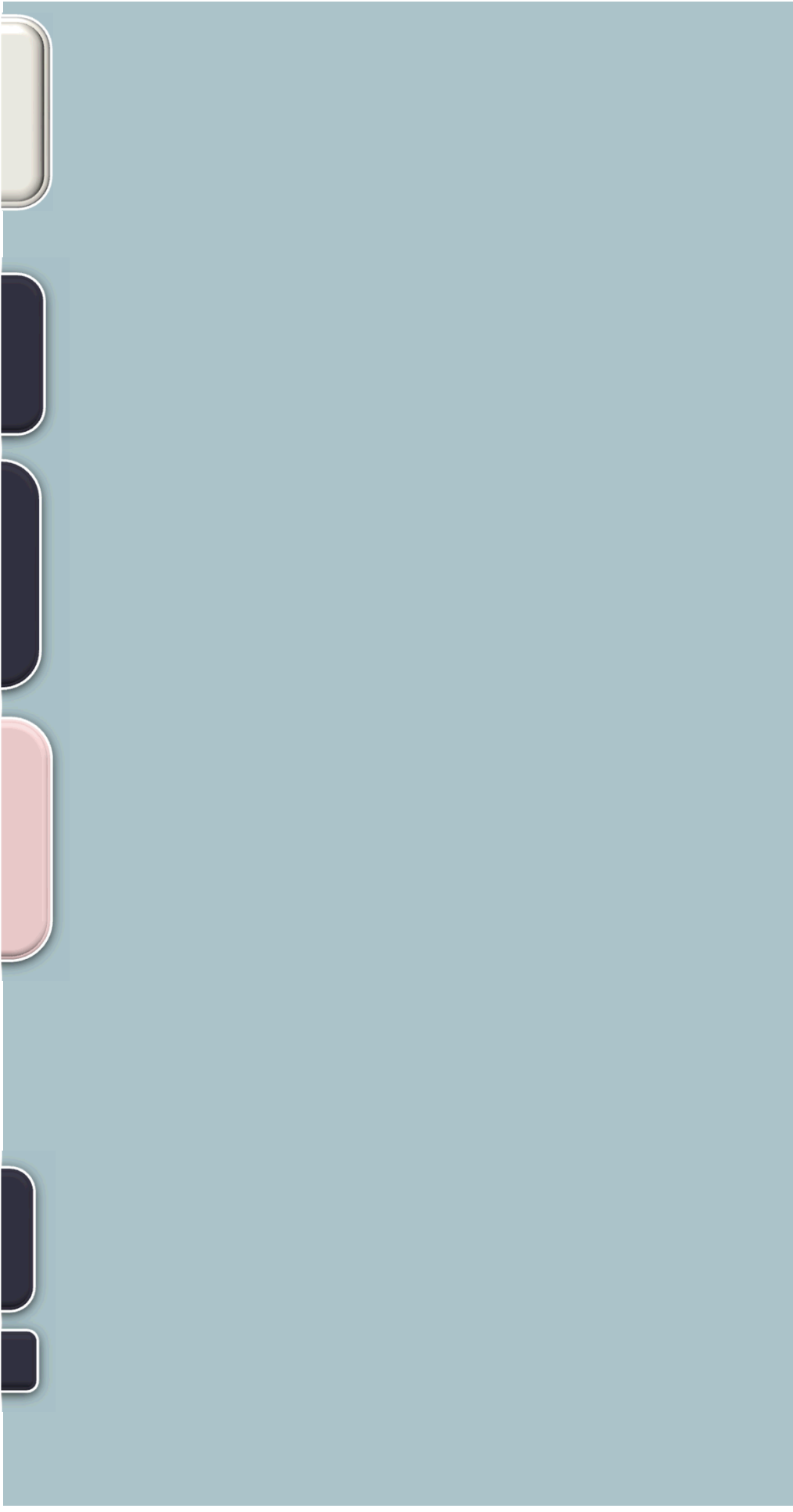
Off-site post intervention map

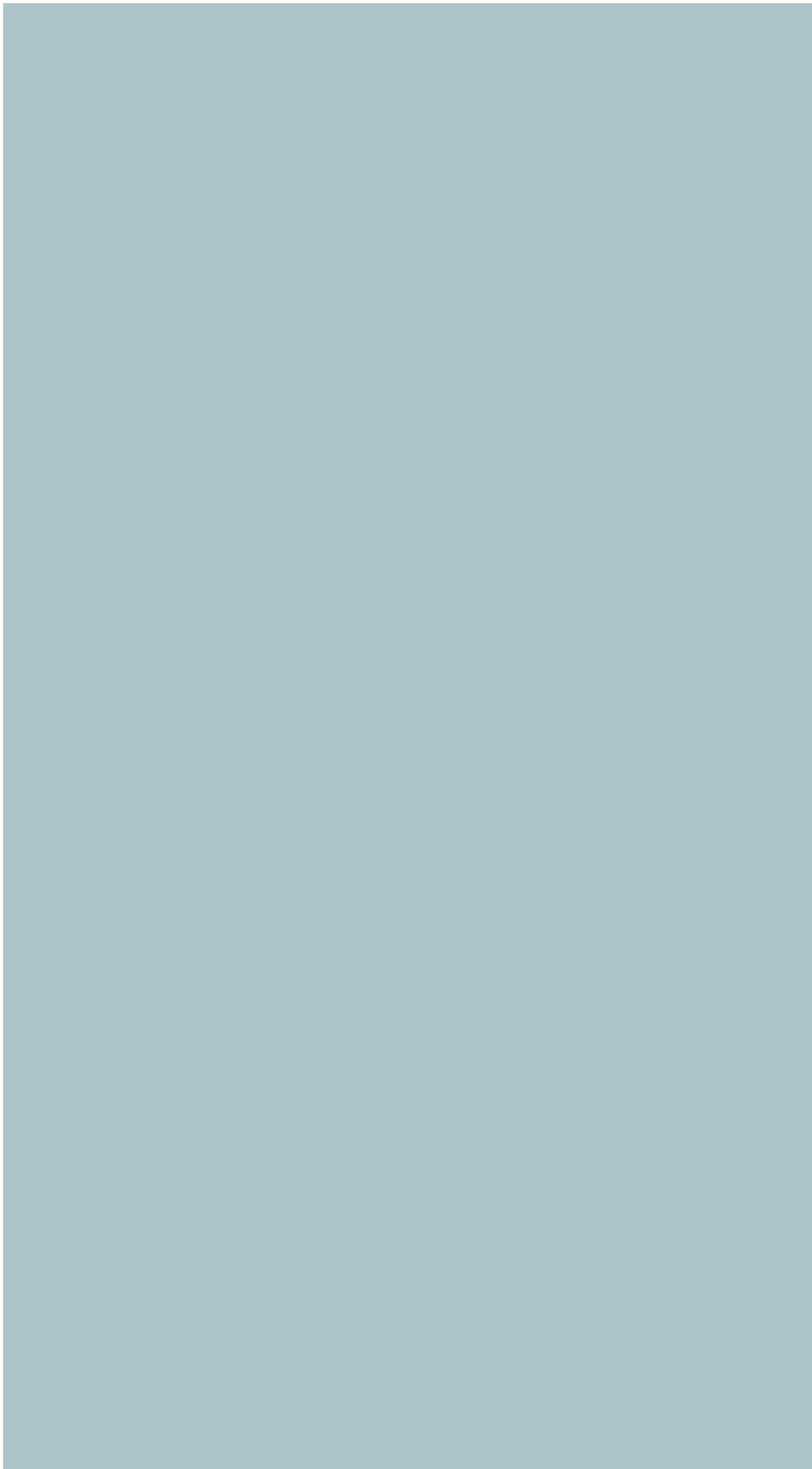
Insert

Off-site post-intervention reference number









# The Biodiversity Metric 4.0 Instruction

Double click the front page

Start page

Main menu

Phase 1 - metric  
habitat translation  
tool

This guide can also be found  
Biodiversity Me

## The Biodiversity M Short Data Input Guide

First published March 2023

Natural England Joint Publication JP039

[www.gov.uk/natural-england](http://www.gov.uk/natural-england)

## 0 - Calculation Tool ns

ge below to open the file

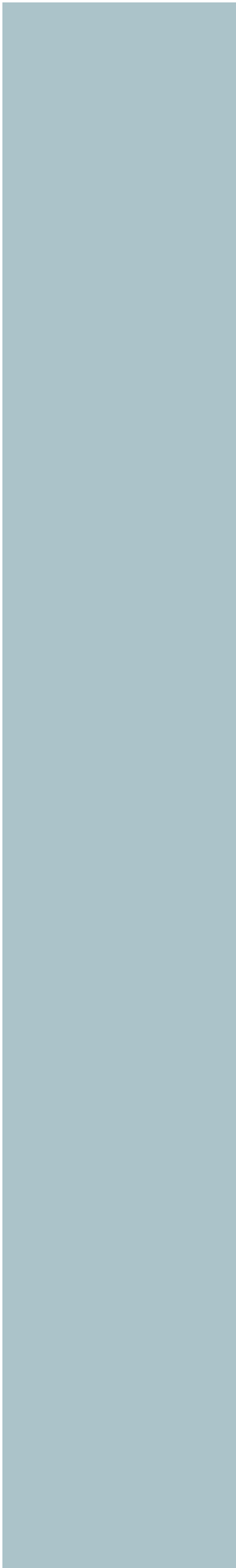
l as an Appendix to the main  
etric 4.0 – User guide.

etric 4.0



NATURAL  
ENGLAND









Key  
Area habitats



Hedgerows and  
lines of trees



Watercourses

Start here

1



2

# The Biodiversity M M

Start page

Instructi

## 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 development

A-2 On-site Area  
Habitat Creation



B-2 On-site Hedge  
Creation



C-2 On-site  
Watercourse Creation



A-3 On-site Area  
Habitat  
Enhancement



B-3 On-site Hedge  
Enhancement



C-3 On-site Watercourse  
Enhancement



# etric 4.0 - Calculation Tool

## ain menu

Tree size
Small
Medium
Large
Total

ons

Technical data

Results

3

Off-site baseline

D-1  
Off-site  
Area Habitat Baseline



E-1  
Off-site Hedge  
Baseline



F-1  
Off-site Watercourse  
Baseline



Off-si

D-2 Off-site Area  
Habitat Creation



E-2 Off-site Hedge  
Creation



F-2 Off-site  
Watercourse Crea



rea  
nt

dge  
nt

course  
t

ree helper

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

Poor	Area	Moderate	Area	Good	Area
	0.0000	7	0.0285		0.0000
	0.0000		0.0000		0.0000
	0.0000	3	0.2294		0.0000
0	0.0000	10	0.2579	0	0.0000



te post development



D-3 Off-site Area  
Habitat Enhancement



E-3 Off-site Hedge  
Enhancement



F-3 Off-site Watercourse  
Enhancement



# The Biodiversity Metric 4.0 – C

**Return to start  
page**

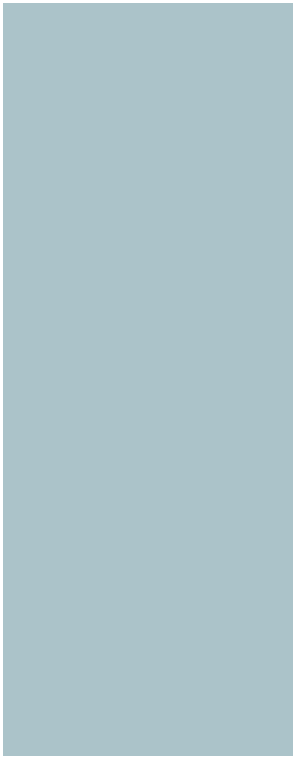
**Headline results**

**Detailed results**

# Calculation Tool

Habitat trading  
summaries

Off-site  
summary



Land West of Westfield Avenue, Earl Shilton

Headline Results

Scroll down for final results ☐

Return to  
results menu

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

<div>Off-site net change</div> <div>(units &amp; percentage)</div>	Hedgerow units
	Watercourse units

<div>Combined net unit change</div> <div>(Including all on-site &amp; off-site habitat retention, creation &amp; enhancement)</div>	Habitat units
	Hedgerow units
	Watercourse units

<div>Spatial risk multiplier (SRM) deductions</div>	Habitat units
	Hedgerow units
	Watercourse units

FINAL RESULTS

<div>Total net unit change</div> <div>(Including all on-site &amp; off-site habitat retention, creation &amp; enhancement)</div>	Habitat units
	Hedgerow units
	Watercourse units

<div>Total net % change</div> <div>(Including all on-site &amp; off-site habitat retention, creation &amp; enhancement)</div>	Habitat units
	Hedgerow units
	Watercourse units

<div>Trading rules satisfied?</div>	No - Check Trade
-------------------------------------	------------------



Unit Type	Target	Baseline Units	Units Required
<i>Habitat units</i>	10.00%	3.70	4.07
<i>Hedgerow units</i>	10.00%	0.00	0.00
<i>Watercourse units</i>	10.00%	0.00	0.00

3.70
0.00
0.00

3.12
0.67
0.00

-0.57	-15.50%
0.67	0.00%
0.00	0.00%

On-site net gain is less than target set ☐

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%

-0.57
0.67
0.00

0.00
0.00
0.00

--

-0.57
0.67
0.00

-15.50%	Total net gain achieved is less than target set <input type="checkbox"/>
100.00%	
0.00%	

ing Summaries ▲
-----------------

Unit Deficit
0.94
0.00
0.00

Unit requirement met or surpassed ✓

Unit requirement met or surpassed ✓

Land West of Westfield Avenue, Earl Shilton

Detailed Results

Summary Figures

Net project biodiversity  
(Including all on-site & off-site habitat retention)

Total project biodiversity  
(Including all on-site & off-site habitat creation)

Combined

Total on-site and off-site baseline area / length

Total on-site and off-site baseline units

Total on-site and off-site baseline area / length retained

Total on-site and off-site baseline units retained

Area / length proposed for enhancement

Baseline units proposed for enhancement

Total on-site and off-site baseline area / length lost

Total on-site and off-site baseline units lost

Area habitats

On-site change

Area Habitats	
	<b>Habitat group</b>
	Cropland
	Grassland
	Heathland and shrub
	Lakes
	Sparsely vegetated land
	Urban
	Wetland
	Woodland and forest
	Intertidal sediment
	Coastal saltmarsh
	Rocky shore
	Coastal lagoons
	Intertidal hard structures
	Watercourse footprint
	Individual trees
	<b>Off-site ch</b>
Area Habitats	<b>Habitat group</b>
	Cropland
	Grassland
	Heathland and shrub
	Lakes
	Sparsely vegetated land
	Urban
	Wetland
	Woodland and forest
	Intertidal sediment
	Coastal saltmarsh
	Rocky shore
	Coastal lagoons
	Intertidal hard structures
	Watercourse footprint
	Individual trees
	<b>Combined on-site and</b>

Area Habitats	
	<b>Habitat group</b>
	Cropland
	Grassland
	Heathland and shrub
	Lakes
	Sparsely vegetated land
	Urban
	Wetland
	Woodland and forest
	Intertidal sediment
	Coastal saltmarsh
	Rocky shore
	Coastal lagoons
	Intertidal hard structures
	Watercourse footprint
	Individual trees
Hedgerows and Lines of Trees	<b>Hedgerows and lines of trees</b>
	<b>On-site conservation</b>
	<b>Hedgerow type</b>
	Species-rich native hedgerow with trees - associated with bank or ditch
	Species-rich native hedgerow with trees
	Species-rich native hedgerow - associated with bank or ditch
	Native hedgerow with trees - associated with bank or ditch
	Species-rich native hedgerow
	Native hedgerow - associated with bank or ditch
	Native hedgerow with trees
	Ecologically valuable line of trees
	Ecologically valuable line of trees - associated with bank or ditch
	Native hedgerow
	Line of trees
	Line of trees - associated with bank or ditch
	Non-native and ornamental hedgerow

Hedgerows and Lines of Trees	
	Off-site
	Hedgerow type
	Species-rich native hedgerow with trees - associated with bank or ditch
	Species-rich native hedgerow with trees
	Species-rich native hedgerow - associated with bank or ditch
	Native hedgerow with trees - associated with bank or ditch
	Species-rich native hedgerow
	Native hedgerow - associated with bank or ditch
	Native hedgerow with trees
	Ecologically valuable line of trees
	Ecologically valuable line of trees - associated with bank or ditch
	Native hedgerow
	Line of trees
	Line of trees - associated with bank or ditch
	Non-native and ornamental hedgerow
	Combined on-site
	Hedgerow type
Hedgerows and Lines of Trees	Species-rich native hedgerow with trees - associated with bank or ditch
	Species-rich native hedgerow with trees
	Species-rich native hedgerow - associated with bank or ditch
	Native hedgerow with trees - associated with bank or ditch
	Species-rich native hedgerow
	Native hedgerow - associated with bank or ditch
	Native hedgerow with trees
	Ecologically valuable line of trees
	Ecologically valuable line of trees - associated with bank or ditch
	Native hedgerow
	Line of trees
	Line of trees - associated with bank or ditch
	Non-native and ornamental hedgerow



Watercourses	Watercourses	
	On-site classification	
	Watercourse type	
	Priority habitat	
	Other rivers and streams	
	Ditches	
	Canals	
	Culvert	
Watercourses	Off-site classification	
	Watercourse type	
	Priority habitat	
	Other rivers and streams	
	Ditches	
	Canals	
	Culvert	

Watercourses	Combined on-site and
	Watercourse type
	Priority habitat
	Other rivers and streams
	Ditches
	Canals
	Culvert

ton

Return to results menu

ty units (retention / creation)	<i>Habitat units</i>
	<i>Hedgerow units</i>
	<i>Watercourse units</i>

r % change (n + retained habitats)	<i>Habitat units</i>
	<i>Hedgerow units</i>
	<i>Watercourse units</i>

habitat retention and enhancement

	Habitats	Hedgerows
	0.81	0.00
	3.70	0.00
	0.23	0.00
	1.84	0.00
	0.00	0.00
	0.00	0.00
	0.58	0.00
	1.86	0.00

ange by broad habitat type

Baseline		Post-development on-site		On-site
On-site existing area	On-site existing value	On-site proposed area	On-site proposed value	On-site area change
0.00	0.00	0.00	0.00	0.00
0.12	0.43	0.19	0.97	0.07
0.08	0.67	0.00	0.00	-0.08
0.00	0.00	0.00	0.00	0.00
0.11	0.22	0.00	0.00	-0.11
0.27	0.54	0.39	0.23	0.12
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.23	1.84	0.26	1.92	0.03

#### Change by broad habitat type

Baseline		Post-development off-site		Off-site
Off-site existing area	Off-site existing value	Off-site proposed area	Off-site proposed value	Off-site area change
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00

#### Off-site change by broad habitat type



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\_\_\_\_\_

### End off-site change by hedgerow type

[illegible]

Change by watercourse type

Baseline		Post-development on site		On-site
On-site existing length	On-site existing value	On-site proposed length	On-site proposed value	On-site length change
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0

Change by watercourse type

Baseline		Post development off-site		Off-site
Off-site existing length	Off-site existing value	Off-site proposed length	Off-site proposed value	Off-site length change
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0

**d off-site change by watercourse type**

Baseline		Post-development on-site		On-site
Combined existing length	Combined existing value	Combined proposed length	Combined proposed value	Combined length change
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0





-0.57
0.67
0.00

-15.50%
100.00%
0.00%

Watercourses
0.00
0.00

0.00
0.00

0.00
0.00

0.00
0.00

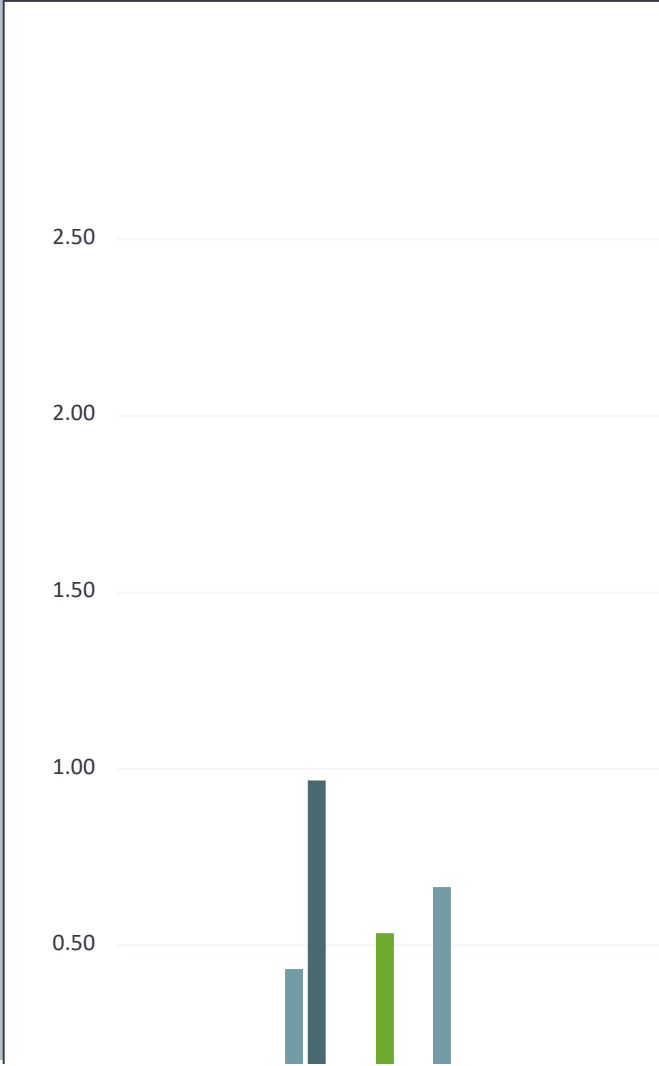
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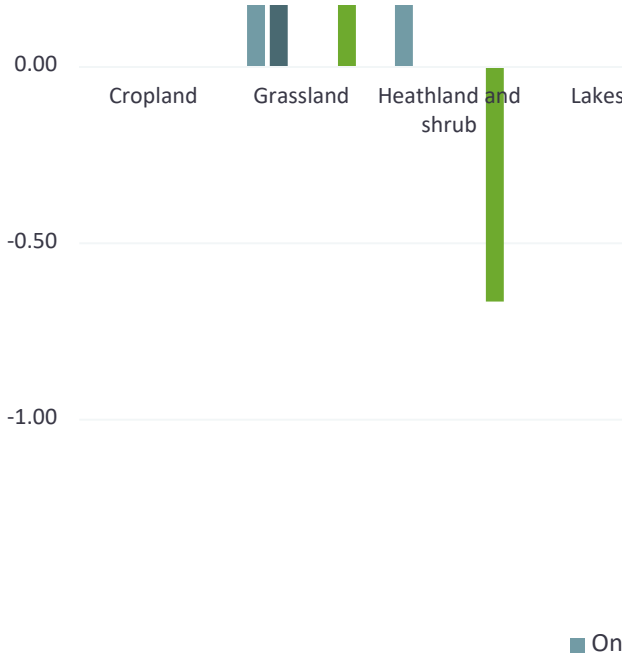
On-site unit change
0.00
0.53
-0.67
0.00
-0.22
-0.31
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.09

Off-site unit change
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00

Combined area lost by distribution	
Category	Area lost (hectares)
V.High	0
High	0
Medium	0.1805
Low	0.4033
V.Low	0



ned change
Combined unit change
0.00
0.53
-0.67
0.00
-0.22
-0.31
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.09

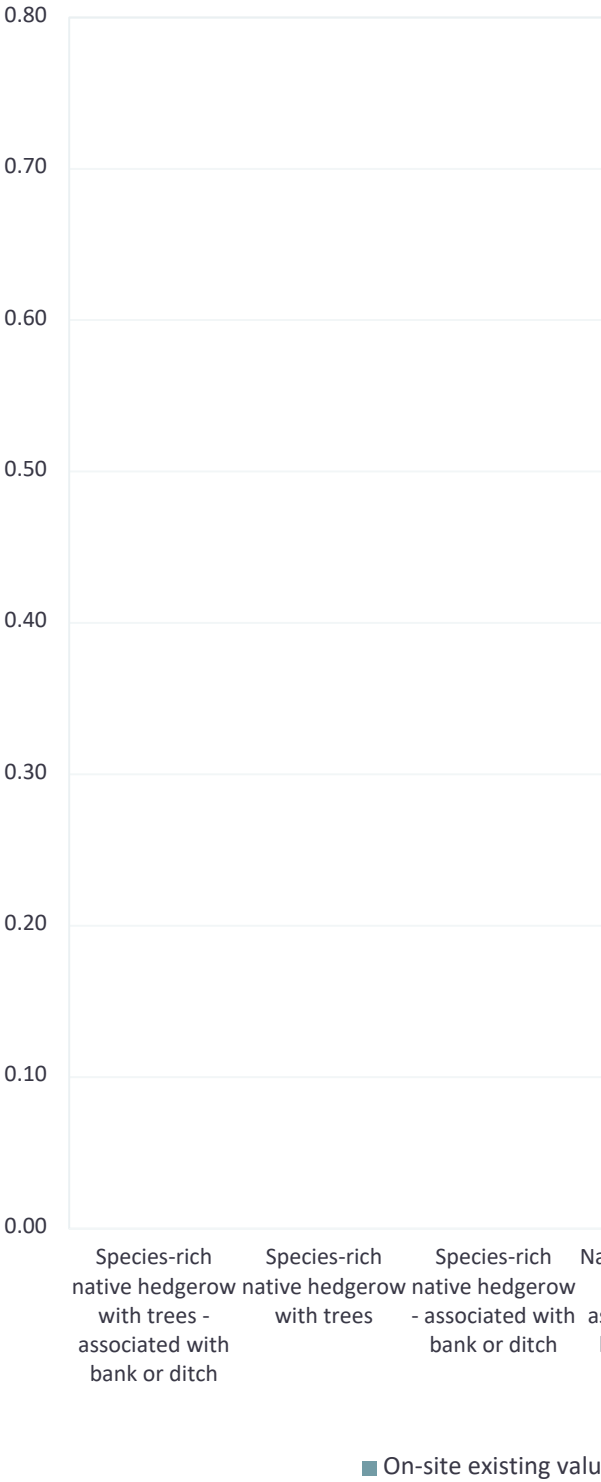


te change
On-site unit change
0.00
0.00
0.00
0.00
0.00
0.00
0.67
0.00
0.00
0.00
0.00
0.00
0.00

Combined length lost by disti	
Category	Length lost (km)
V.High	0
High	0
Medium	0
Low	0
V.Low	0

Unit change
Off-site unit change
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00

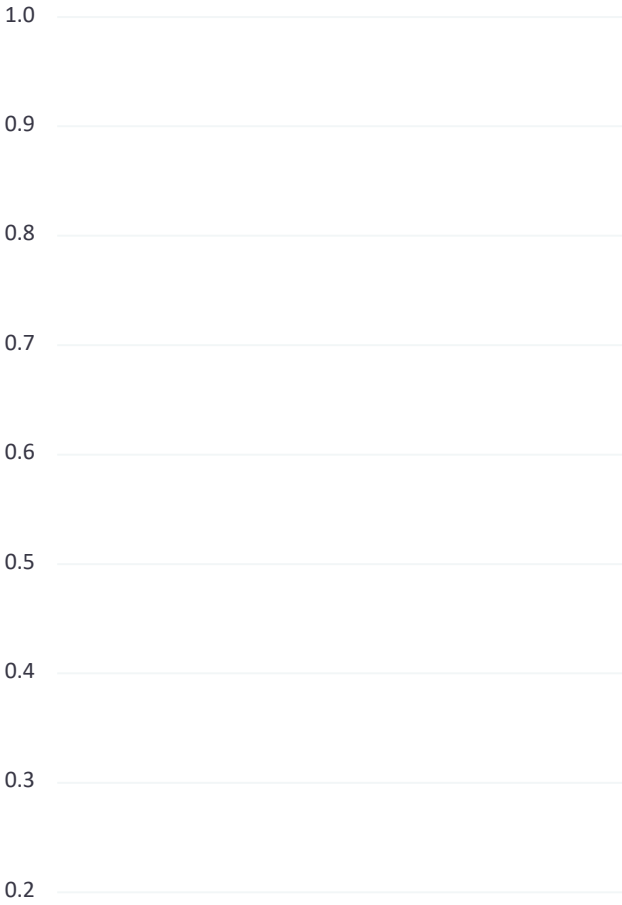
Unit change
Combined unit change
0.00
0.00
0.00
0.00
0.00
0.00
0.67
0.00
0.00
0.00
0.00
0.00
0.00



On-site unit change
0.0
0.0
0.0
0.0
0.0

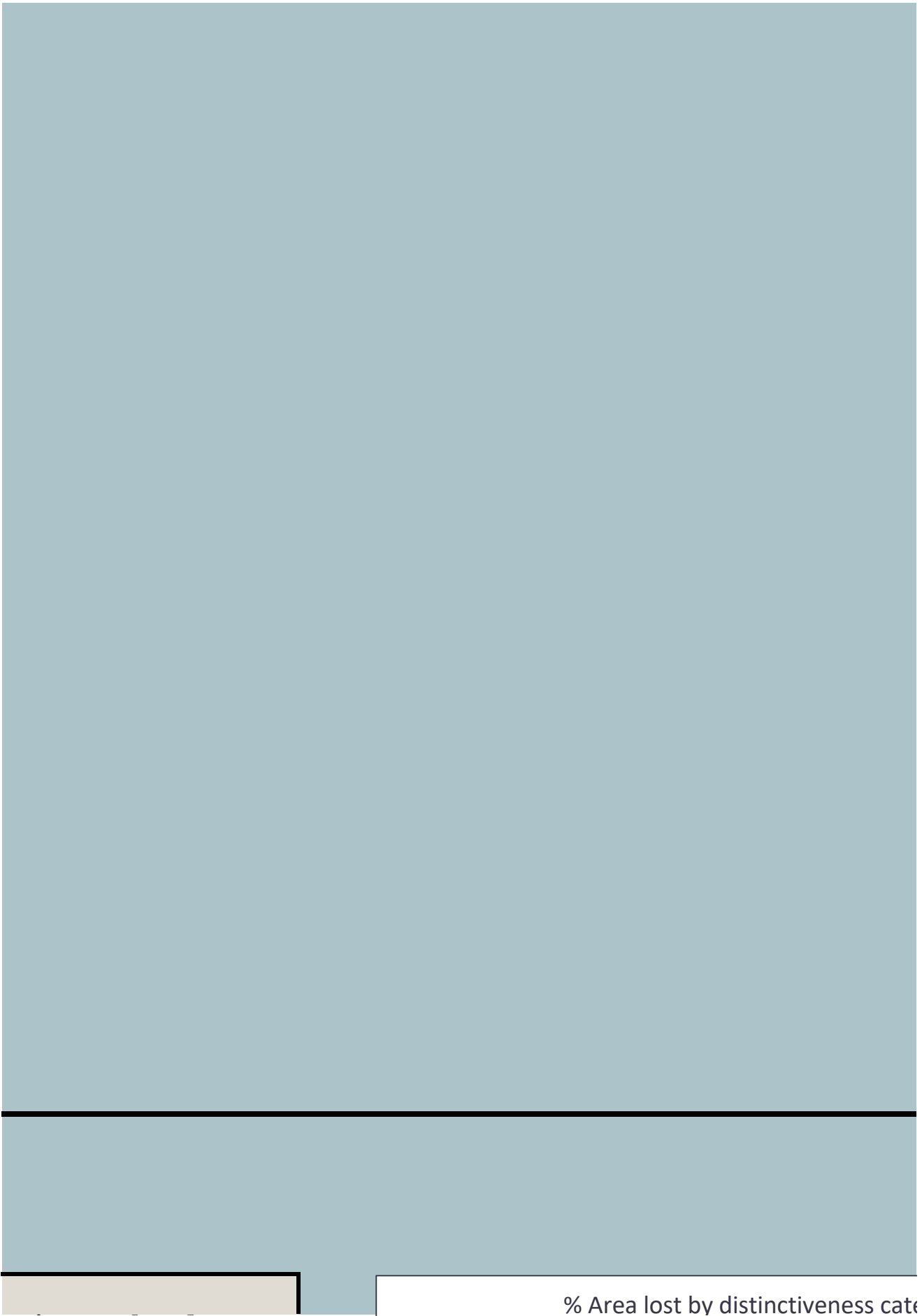
Combined length lost by distribution	
Category	Length lost (km)
V.High	0
High	0
Medium	0
Low	0

Off-site unit change
0.0
0.0
0.0
0.0
0.0



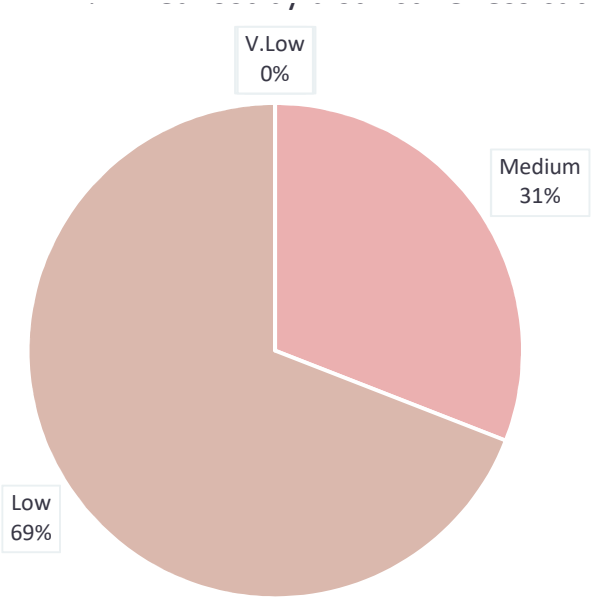
te change
Combined unit change
0.0
0.0
0.0
0.0
0.0





% Area lost by distinctiveness cate

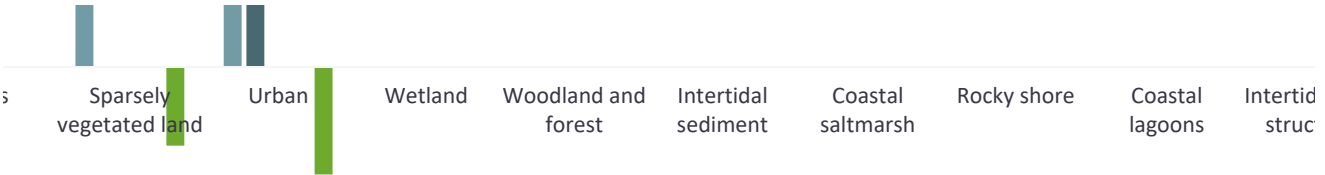
activeness band
Area lost (%)
31
69



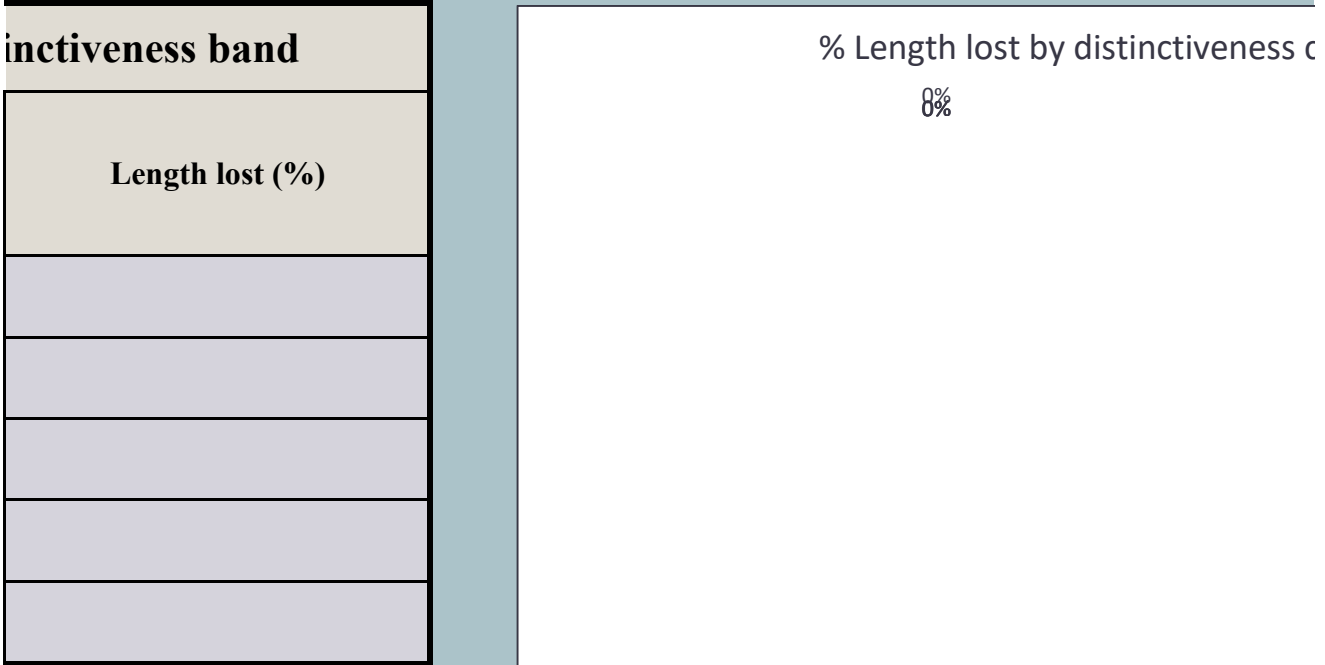
Biodiversity unit change by habitat group



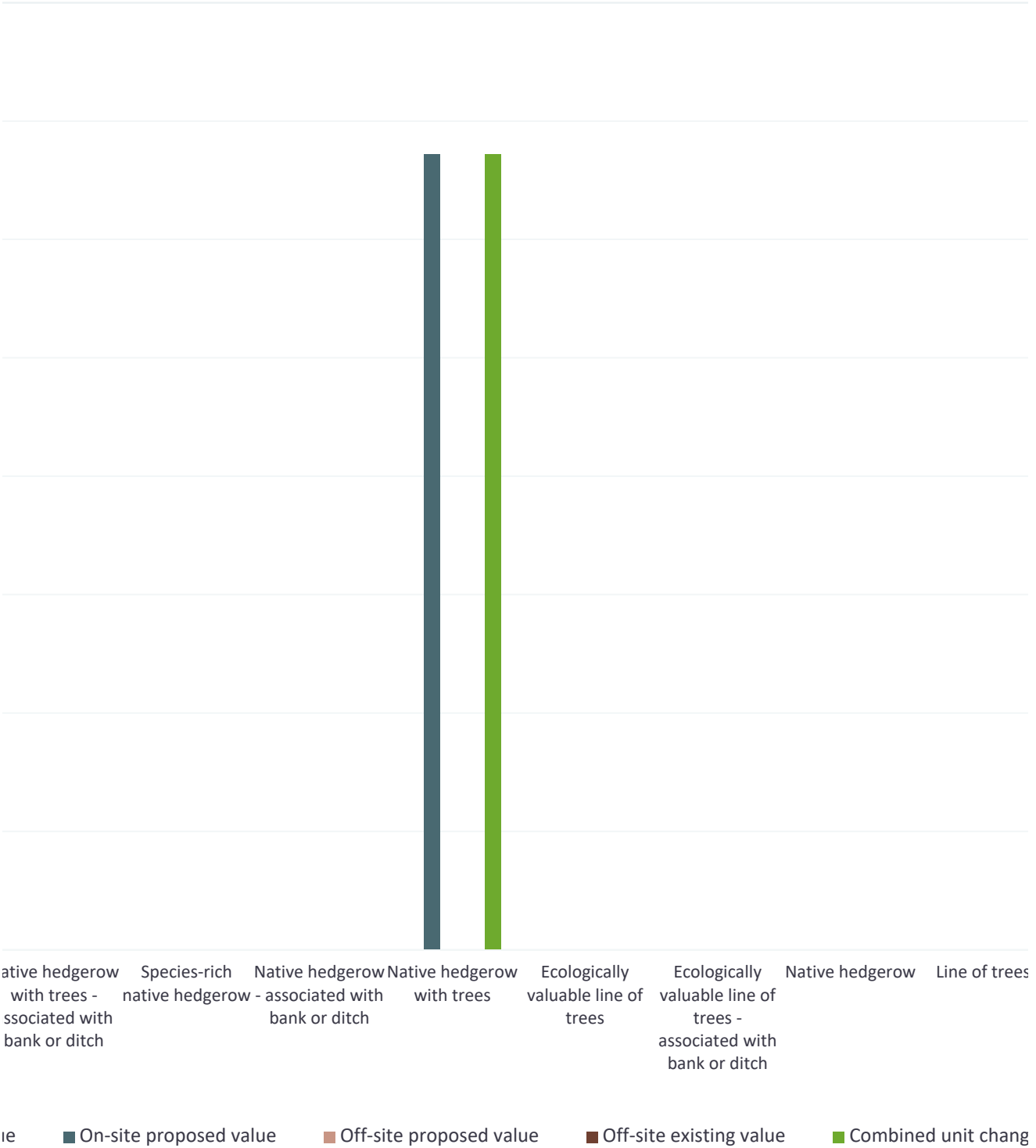




On-site existing value    On-site proposed value    Off-site existing value    Off-site proposed value    Correction



Hedgerow biodiversity unit change

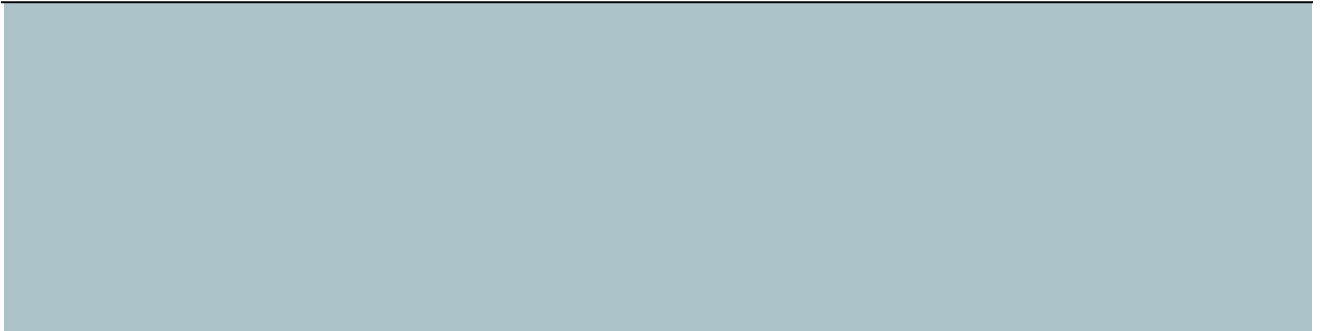




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Other rivers and streams	Ditches	Canals
--------------------------	---------	--------

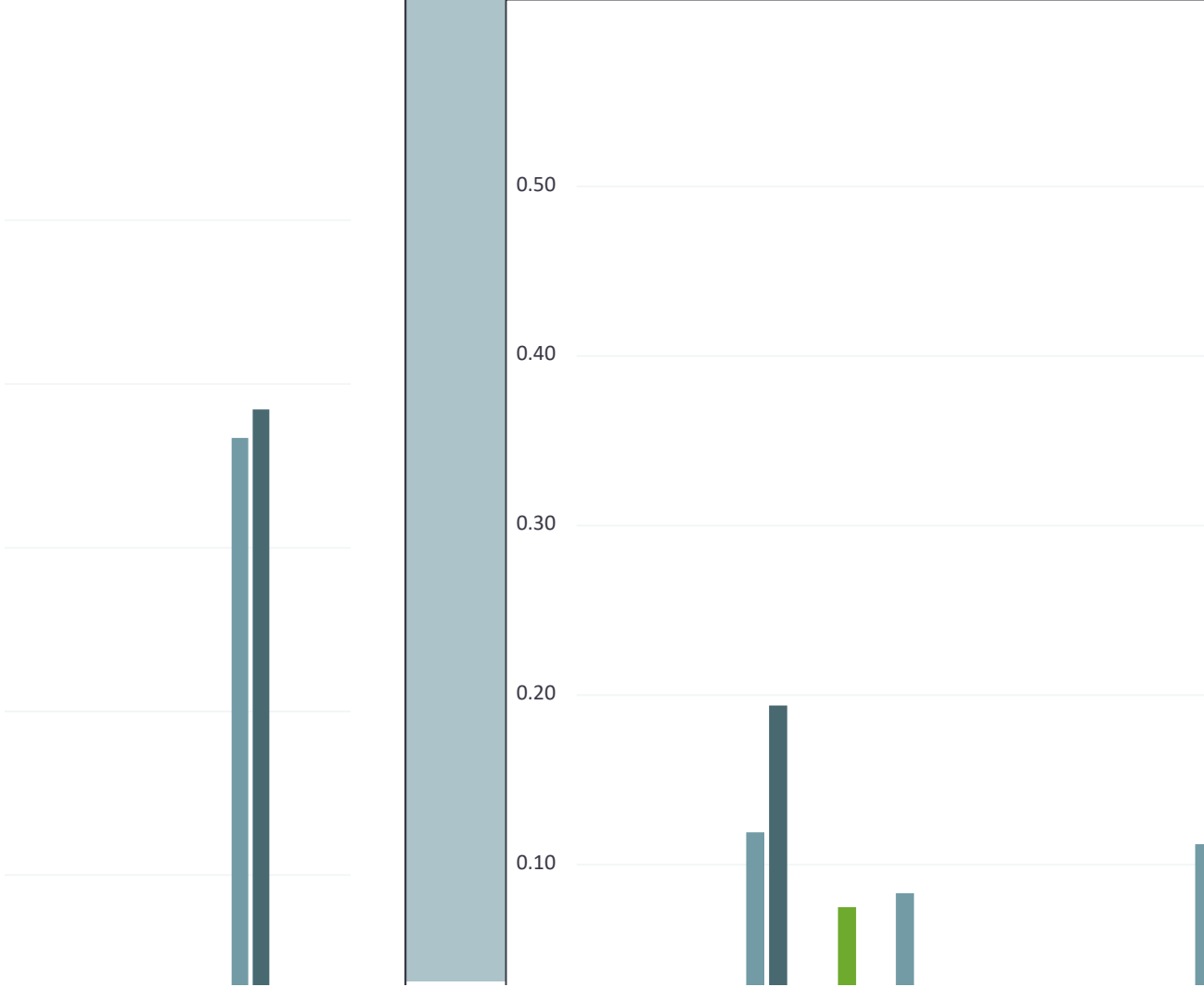
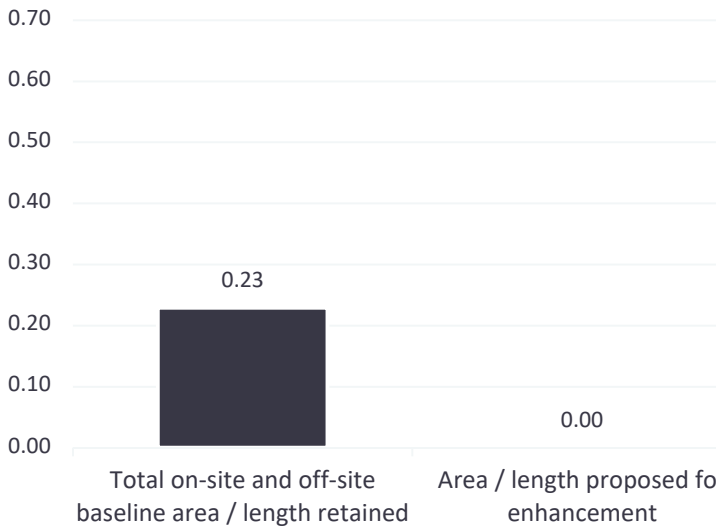
■ On-site proposed value	■ Off-site existing value	■ Off-site proposed value	■ Combined unit change
--------------------------	---------------------------	---------------------------	------------------------

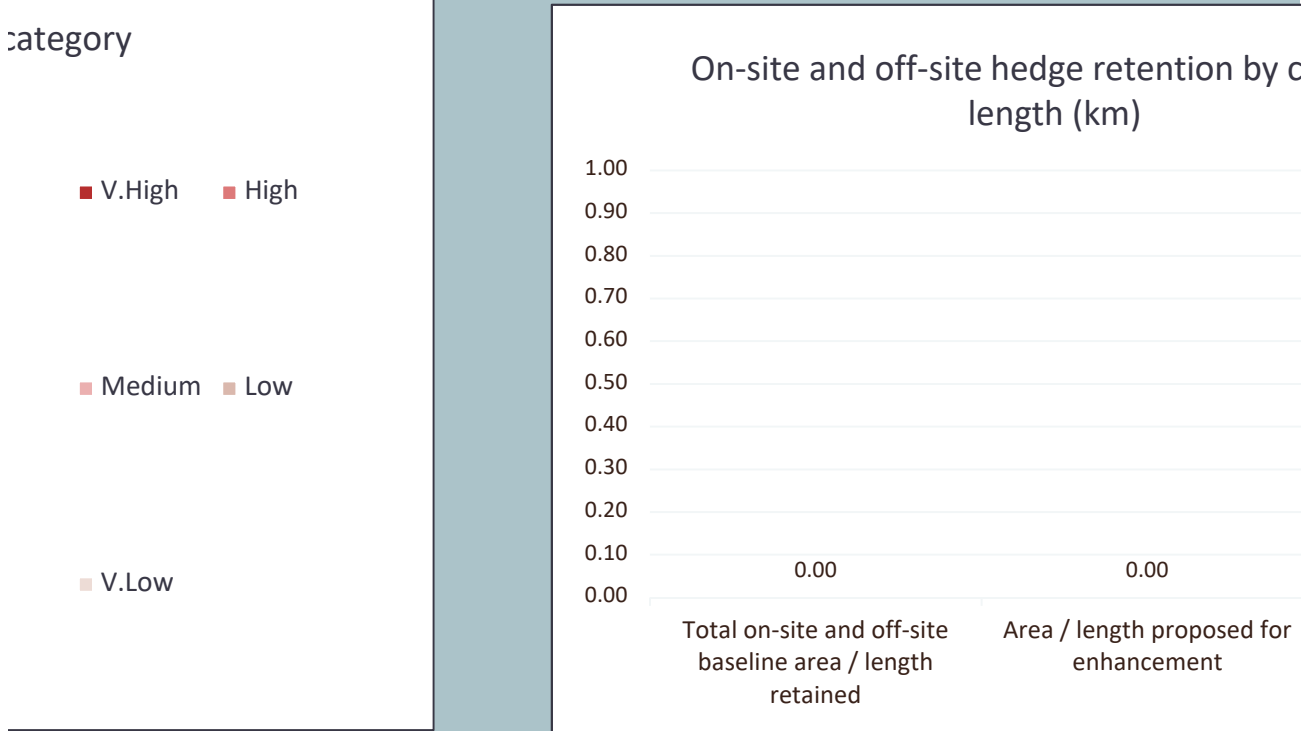
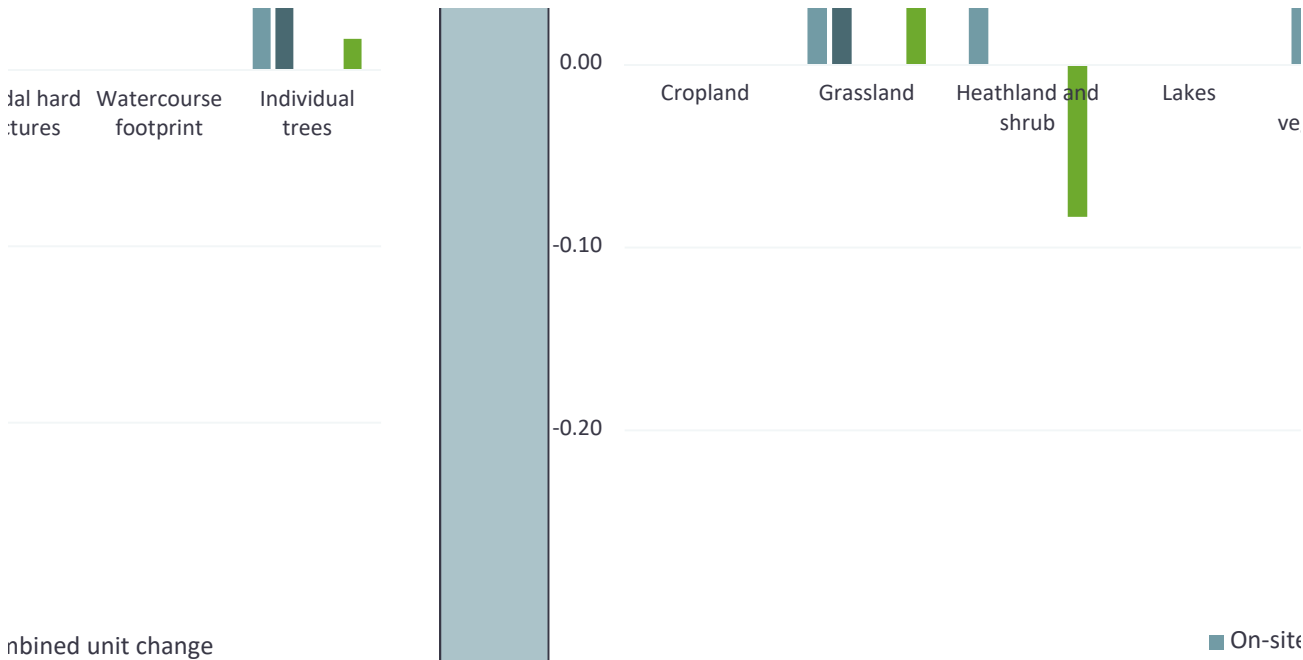


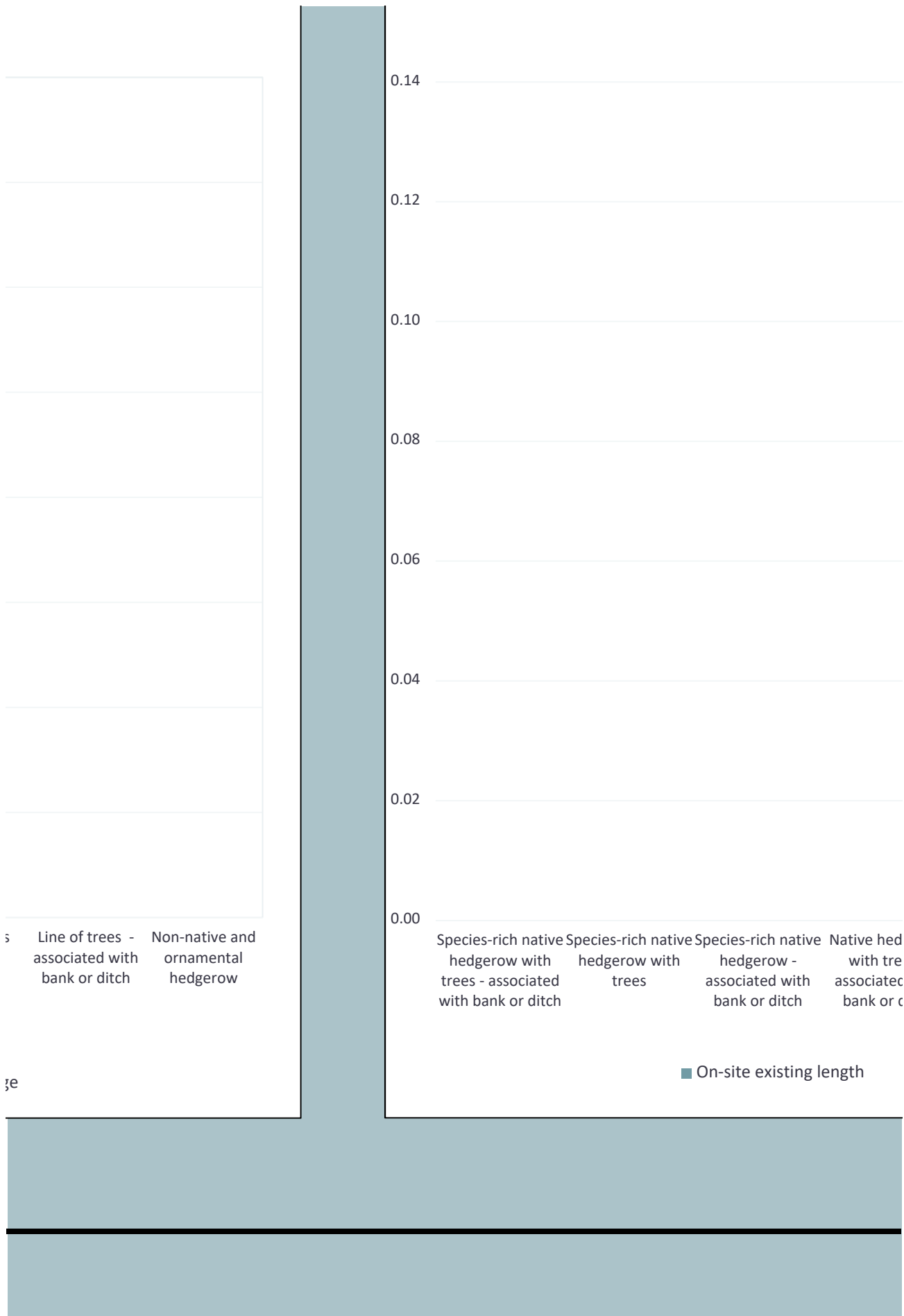


- V.High
- High
- Medium
- Low
- V.Low

On-site and off-site habitat retention b  
area (hectares)



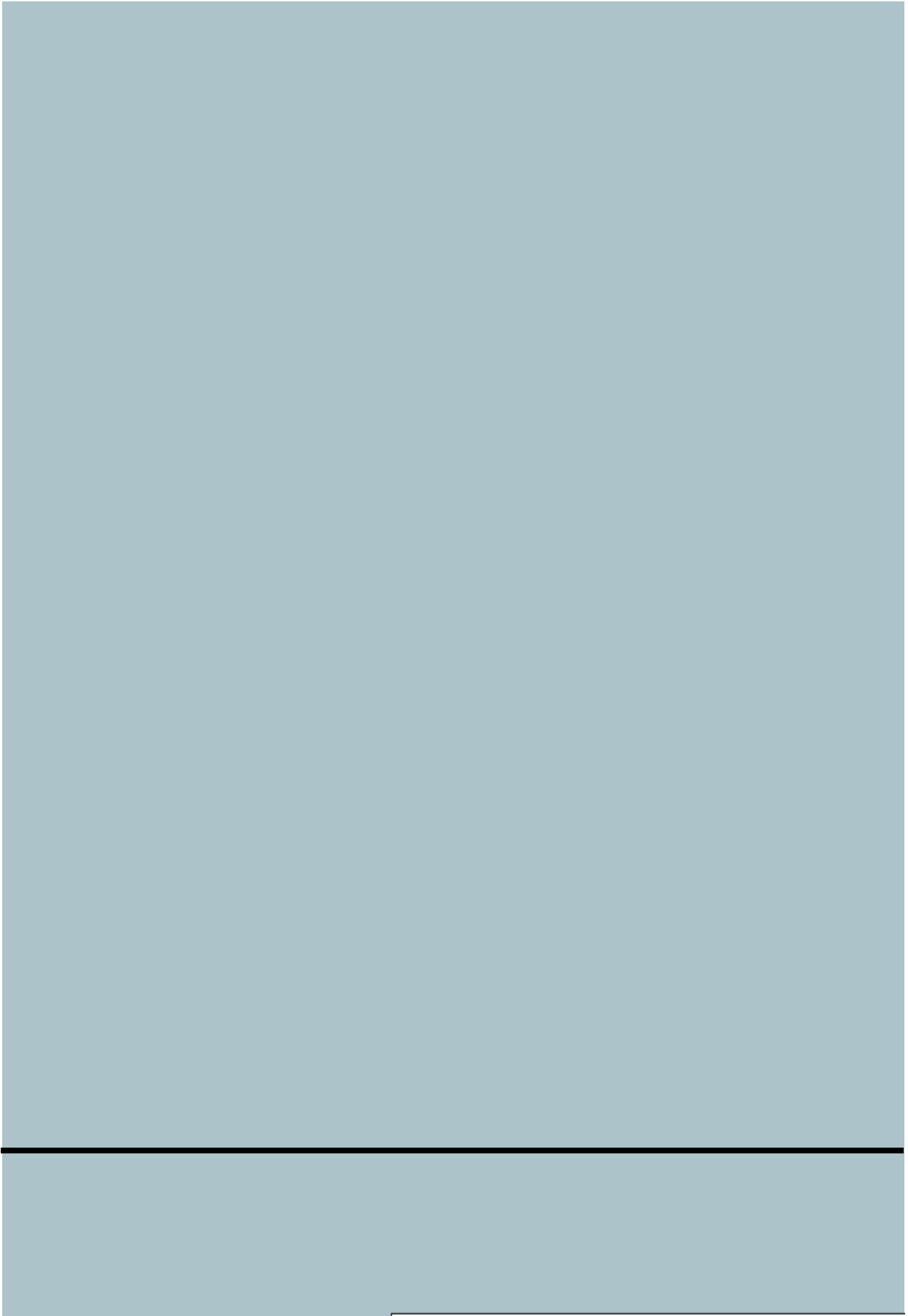








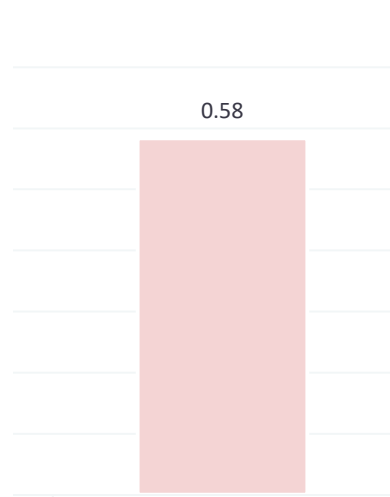




.

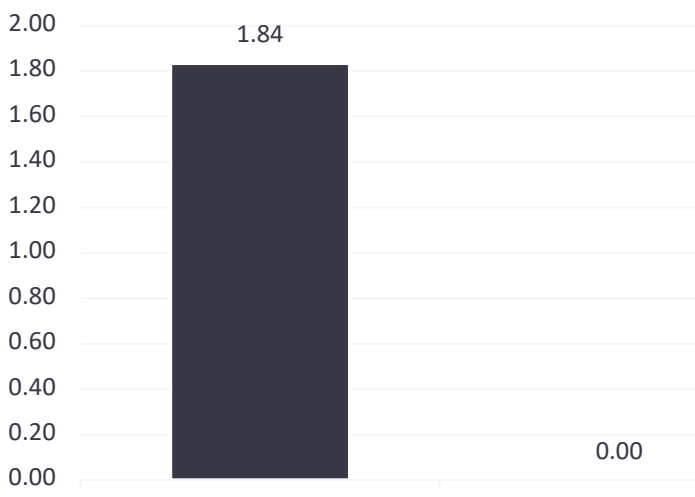
On-site and off-site habitat rete

by category



or  
Total on-site and off-site  
baseline area / length lost

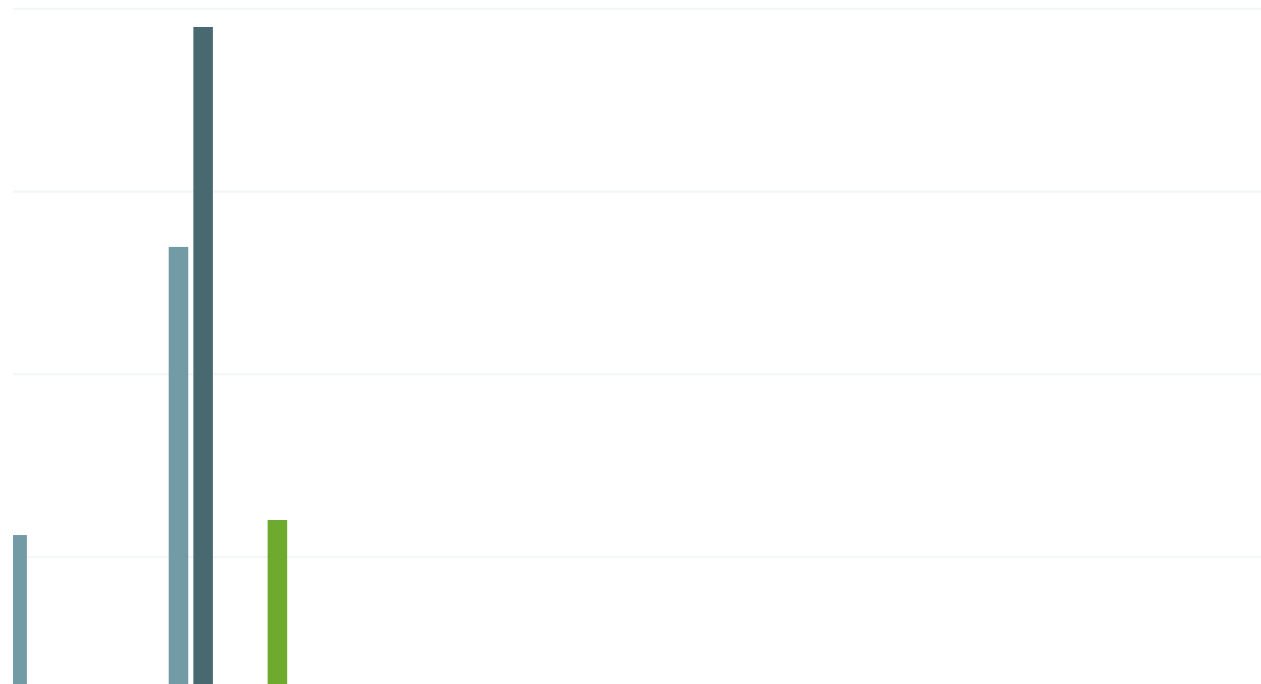
On site and off site habitat retention  
(biodiversity units)



Total on-site and off-site  
baseline units retained

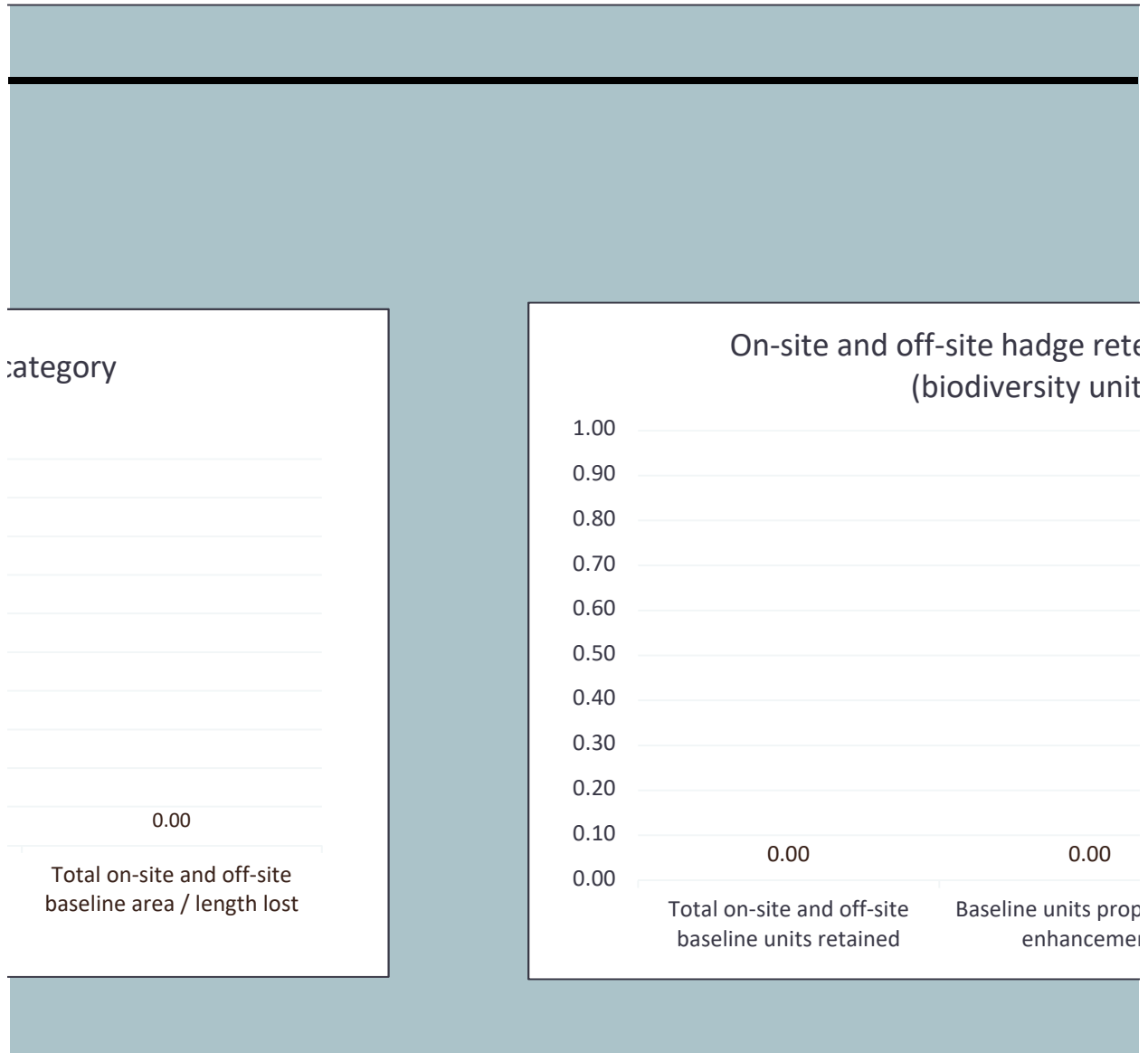
Baseline units proposed  
for enhancement

Area change by habitat group (hectares)

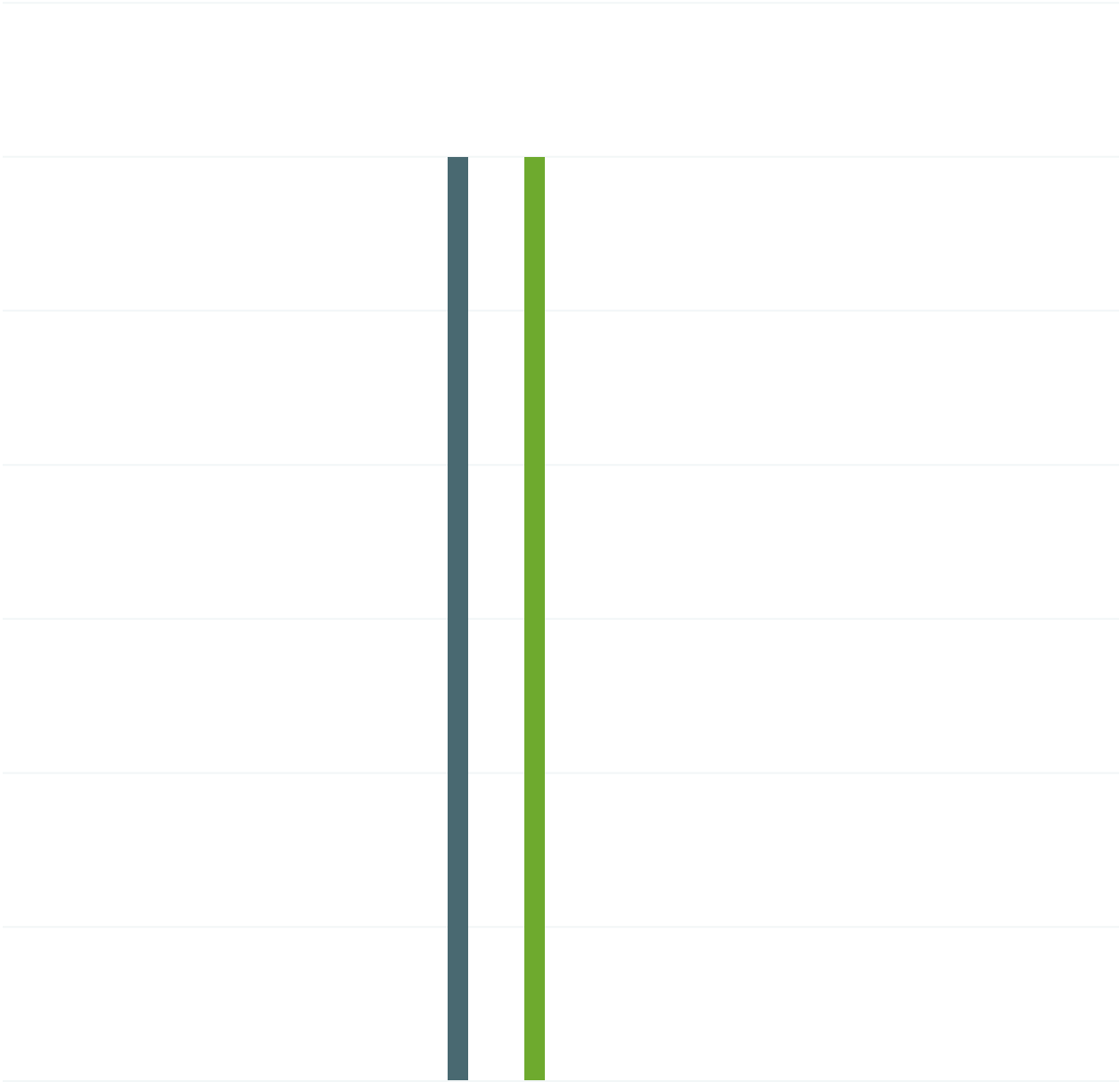




Legend:   
■ Existing area   
■ On-site proposed area   
■ Off-site existing area   
■ Off-site proposed area   
■ Combined



Hedgerow length change (km)



Hedgerow associated with ditch    Species-rich native hedgerow    Native hedgerow - associated with bank or ditch    Native hedgerow with trees    Ecologically valuable line of trees    Ecologically valuable line of trees - associated with bank or ditch    Native hedgerow    Lin

■ On-site proposed length    ■ Off-site proposed length    ■ Off-site existing length    ■ Combined length



for enhancement or	
	0.00
for	Total on-site and off-site baseline area / length lost

Category	Value
Total on-site and off-site baseline units retained	0.00
Baseline units prop enhancemen	0.00

Total on-site and off-site baseline  
area / length lost

0.00

Baseline units prop  
enhancemer

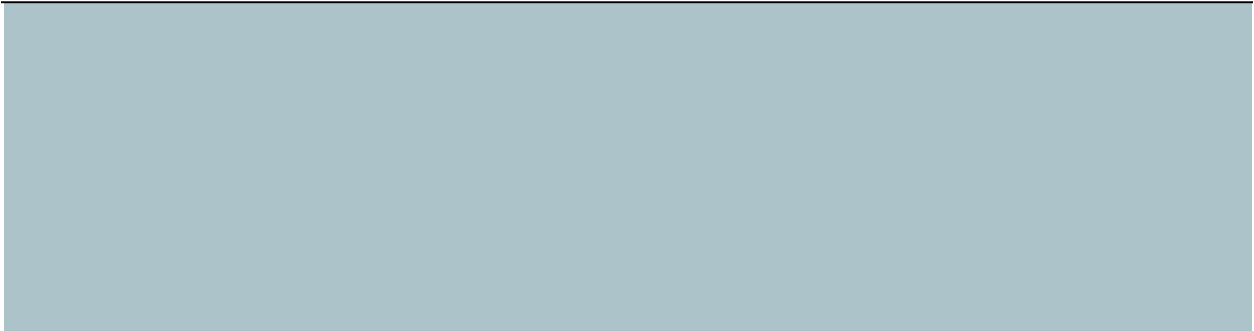
Wetlands and streams	Ditches	Canals
<p>Wetlands and streams are the most common type of water body in the landscape, covering 45% of the area. They are characterized by their irregular shapes and are often found in low-lying areas. Wetlands and streams are important for maintaining water quality and providing habitat for wildlife.</p>	<p>Ditches are linear water bodies that are often used for drainage or irrigation. They are typically straight and have a consistent width. Ditches are important for managing water levels in agricultural areas.</p>	<p>Canals are linear water bodies that are often used for transportation or irrigation. They are typically straight and have a consistent width. Canals are important for managing water levels in agricultural areas.</p>

site proposed length

- Off-site existing length

- Off-site proposed length

- Combined length change

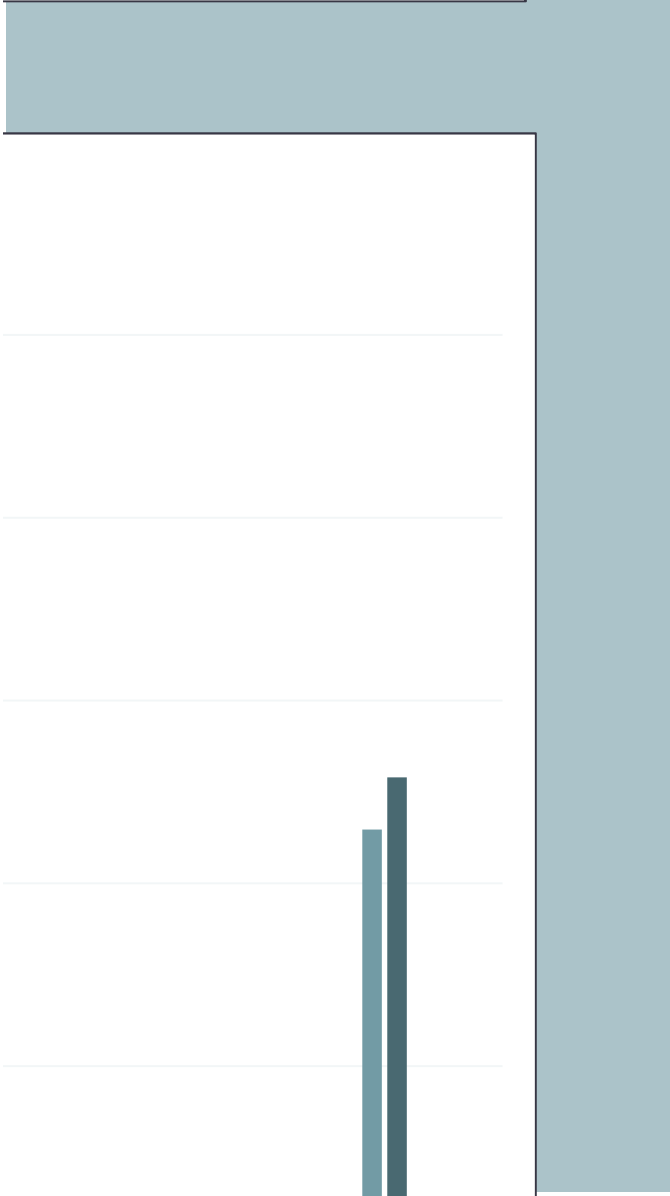
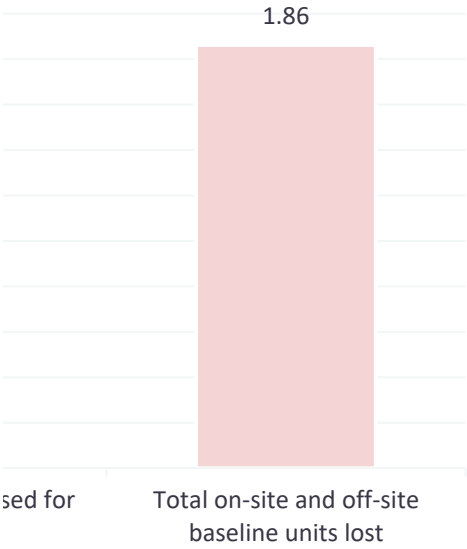






ention category

ation category  
s)





s Intertidal hard structures      Watercourse footprint      Individual trees

ined area change

entention category  
ts)

0.00

posed for  
nt

Total on-site and off-site  
baseline units lost

ie of trees

Line of trees -  
associated with  
bank or ditch

Non-native and  
ornamental  
hedgerow

## h change

Category	Baseline units	Units lost	Units recovered	Net units lost
Proposed for removal	0.00			
Total on-site and off-site baseline units lost				

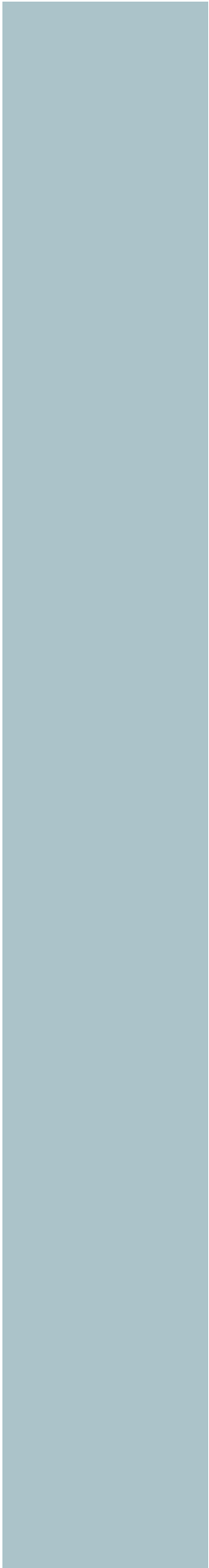
Total on-site and off-site  
baseline units lost



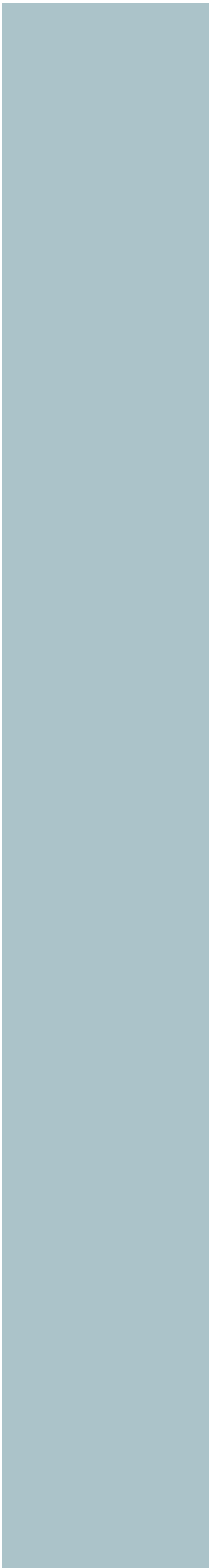
Return to  
results  
menu

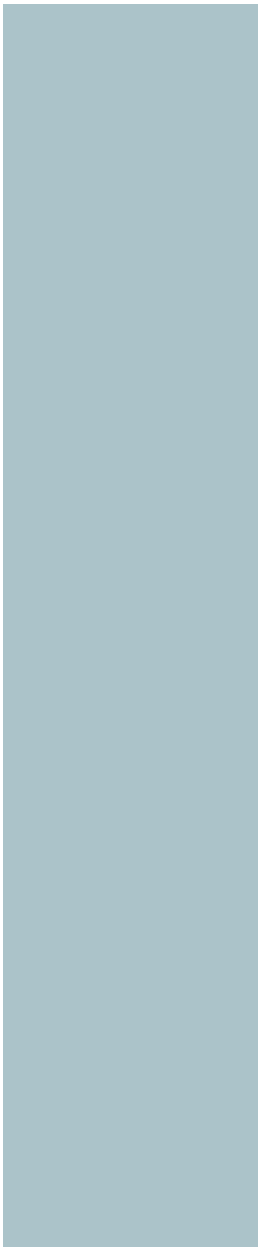
Trading  
summary  
hedgerows

Trading  
summary  
Watercourses









## 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 and CFGM

Grassland - Lowland calcareous grassland

Grassland - Tall herb communities (H6430)
Grassland - Upland calcareous grassland
Heathland and shrub - Lowland Heathland
Heathland and shrub - Dunes with sea buckthorn (H2160)
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 (H3170)
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
Intertidal sediment - Littoral seagrass



## Medium I

### Habitat group

Cropland - Arable field margins cultivated annually

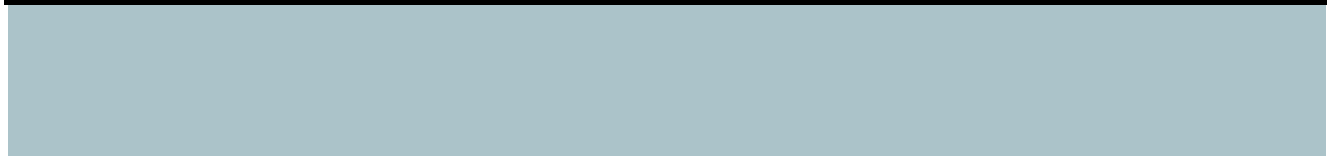
Cropland - Arable field margins game bird mix
Cropland - Arable field margins pollen and nectar
Cropland - Arable field margins tussocky
Grassland - Other lowland acid grassland
Grassland - Other neutral grassland
Grassland - Upland acid grassland
Heathland and shrub - Blackthorn scrub
Heathland and shrub - Bramble scrub
Heathland and shrub - Gorse scrub
Heathland and shrub - Hawthorn scrub
Heathland and shrub - Willow 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
Individual trees - Urban tree
Individual trees - Rural 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 - Winter stubble
Grassland - Modified grassland
Grassland - Bracken
Heathland and shrub - Rhododendron scrub
Lakes - Ornamental lake or pond

Sparsely vegetated land - Ruderal/ephemeral
Sparsely vegetated land - Tall forbs
Urban - Bioswale
Urban - Bare ground
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 drainage system
Urban - Vacant or derelict land
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 - Other sea buckthorn scrub



## g Summary

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 $\geq$
--

## Distinctiveness

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
Intertidal sediment	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

## Distinctiveness

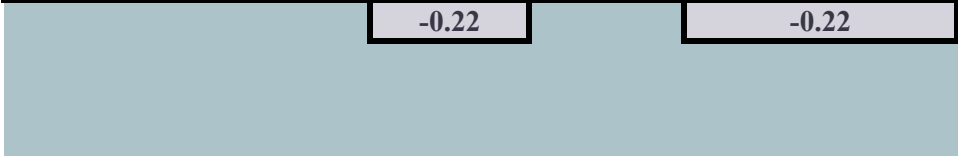
Group	On-site unit change	Off-site unit change	Project wide unit change
Cropland	0.00	0.00	0.00



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	0.22	0.00	0.22
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	0.00	0.00	0.00
Heathland and shrub	-0.67	0.00	-0.67
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
Individual trees	0.09	0.00	0.09
Individual trees	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
Intertidal sediment	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
Intertidal hard structures	0.00	0.00	0.00
	-0.36	0.00	-0.36

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	0.31	0.00	0.31
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	-0.22	0.00	-0.22
Sparsely vegetated land	0.00	0.00	0.00
Urban	0.00	0.00	0.00
Urban	-0.49	0.00	-0.49
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	0.00	0.00	0.00
Urban	-0.04	0.00	-0.04
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	0.23	0.00	0.23
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 hard structures	0.00	0.00	0.00
Intertidal hard structures	0.00	0.00	0.00
Heathland and shrub	0.00	0.00	0.00
	-0.22		-0.22



Trading Satisfied?
Yes ✓
Yes ✓
No ▲
No ▲

Unit losses
0.00

Losses not yet accounted for

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

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



0.00
0.22
-0.67
0.00
0.00
0.00
0.09
0.00
0.00

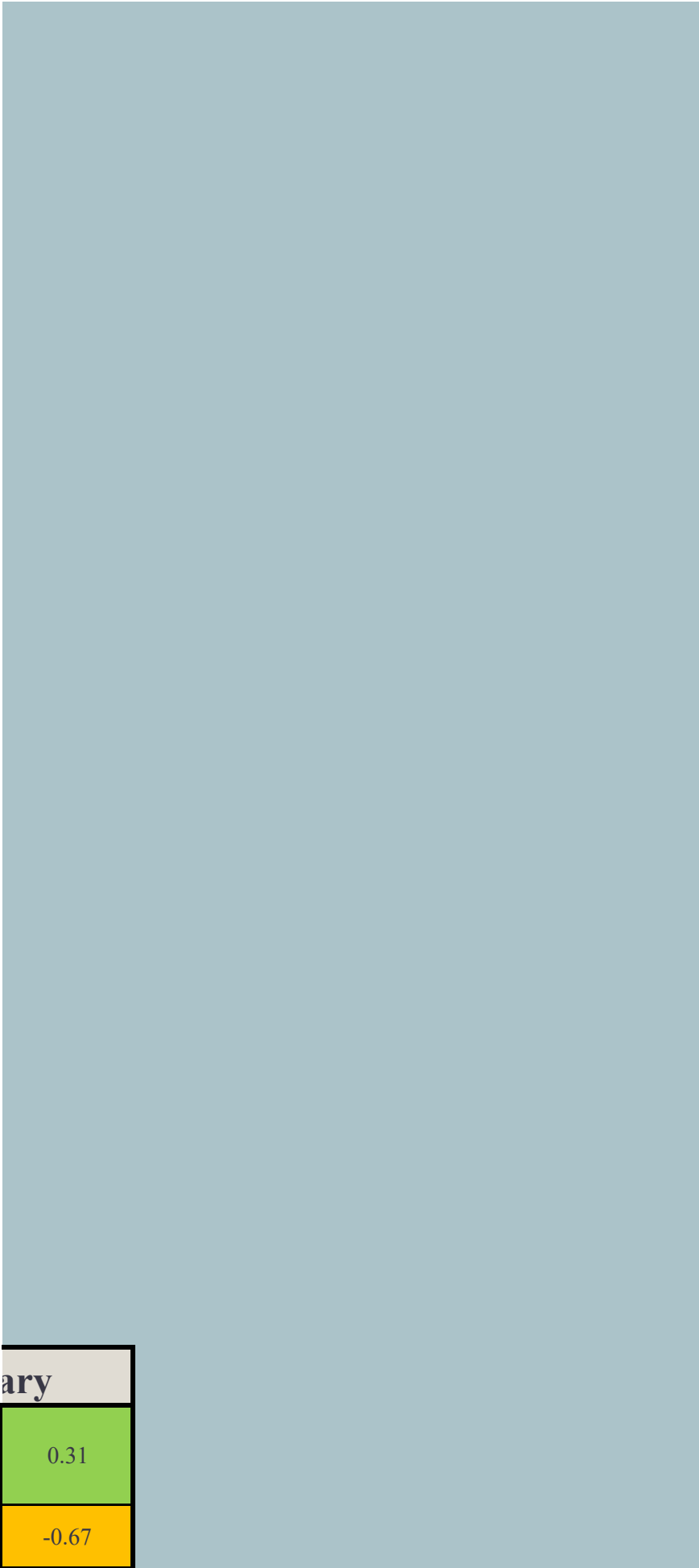
Higher Distinctiveness Surplus Units minus Medium Distinctiveness Broad Habitat Deficit
Cumulative surplus of units

<b>Low Distinctiveness Summary</b>
Low Distinctiveness net change in units
Cumulative surplus of units



ary
0.00

y
0.00
0.00



ary
0.31
-0.67



-0.67
-0.36

y
-0.22
-0.57



Project Name: Land	
Condense / Show C	
Main Menu	
Ref	Broad Habitat
1	Grassland
2	Grassland
3	Heathland and shrub
4	Sparsely vegetated land
5	Urban
6	Urban
7	Individual trees
8	
9	
10	
11	

West of Westfield Avenue, Earl Shilton      Map Reference:

## A-1 On-Site Habitat Baseline

Columns

Condense / Show Rows

Instructions

### Existing area habitats

Habitat Type	Area (hectares)
Modified grassland	0.0217
Other neutral grassland	0.0973
Mixed scrub	0.0832
Ruderal/Ephemeral	0.112
Bare ground	0.246
Introduced shrub	0.0236
Rural tree	0.2294
<b>Total habitat area</b>	<b>0.81</b>
<b>Site Area (Excluding area of Individual trees and Green walls)</b>	<b>0.58</b>

M<sup>2</sup> to hectares conversion tool:

Select a unit

Area habitat summary		
Total Net Unit Change	-0.57	
Total Net % Change	-15.50%	
Trading Rules Satisfied	No - check trading summaries ▲	
Distinctiveness	Condition	Strategic significance
Distinctiveness	Condition	Strategic significance
Low	Poor	Area/compensation not in local strategy/ no local strategy
Medium	Poor	Area/compensation not in local strategy/ no local strategy
Medium	Moderate	Area/compensation not in local strategy/ no local strategy
Low	Poor	Area/compensation not in local strategy/ no local strategy
Low	Poor	Area/compensation not in local strategy/ no local strategy
Low	Condition Assessment N/A	Area/compensation not in local strategy/ no local strategy
Medium	Moderate	Area/compensation not in local strategy/ no local strategy

Required Action to Meet Trading Rules	Ecological baseline
	Total habitat units
Same distinctiveness or better habitat required $\geq$	0.04
Same broad habitat or a higher distinctiveness habitat required ( $\geq$ )	0.39
Same broad habitat or a higher distinctiveness habitat required ( $\geq$ )	0.67
Same distinctiveness or better habitat required $\geq$	0.22
Same distinctiveness or better habitat required $\geq$	0.49
Same distinctiveness or better habitat required $\geq$	0.05
Same broad habitat or a higher distinctiveness habitat required ( $\geq$ )	1.84
	3.70

Retention ca		
Area retained	Area enhanced	Baseline units retained
0	0	0.00
0	0	0.00
0	0	0.00
0	0	0.00
0	0	0.00
0	0	0.00
0.2294		1.84
0.23	0.00	1.84

Total area lost (excluding area of trees and Green walls)
---

Category biodiversity value			Bespoke compensation agreed for unacceptable losses
Baseline units enhanced	Area habitat lost	Units lost	
0.00	0.02	0.04	
0.00	0.10	0.39	
0.00	0.08	0.67	
0.00	0.11	0.22	
0.00	0.25	0.49	
0.00	0.02	0.05	
0.00	0.00	0.00	
0.00	0.58	1.86	

Individual	0.58
------------	------



<b>User comments</b>
----------------------








Comments	
Consenting body comments	GIS reference number



Project Name: Land

Condense / Share

Main Menu

Broad Habitat

Grassland

Grassland

Urban

Urban

Urban

Individual trees

nd West of Westfield Avenue, Earl Shilton

Map Reference:

# A-2 On-Site Habitat Creation

Show Columns

Condense / Show Rows

Menu

Instructions

Proposed habitat

Modified grassland

Other neutral grassland

Developed land; sealed surface

Introduced shrub

Vegetated garden

Urban tree

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	-0.57
Total Net % Change	-15.50%
Trading Rules Satisfied	No - check trading summaries ▲
Area Check (excluding individual trees and green walls)	Area Acceptable ✓

Post development/ post interv

Area (hectares)	Distinctiveness	Condition	Strategic significance
	Distinctiveness	Condition	Strategic significance
0.1025	Low	Moderate	Area/compensation not in local strategy/ no local strategy
0.0914	Medium	Moderate	Area/compensation not in local strategy/ no local strategy
0.2687	V.Low	N/A - Other	Area/compensation not in local strategy/ no local strategy
0.0015	Low	Condition Assessment N/A	Area/compensation not in local strategy/ no local strategy
0.1197	Low	Condition Assessment N/A	Area/compensation not in local strategy/ no local strategy
0.0285	Medium	Moderate	Area/compensation not in local strategy/ no local strategy

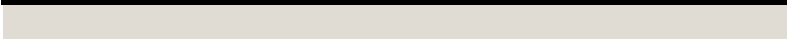
0.61

0.58

Select a unit	Hectares	M²

vention habitats

Temporal multiplier		Difficulty
Standard or adjusted time to target condition	Final time to target condition (years)	Final difficulty of creation
Standard time to target condition applied	4	Low
Standard time to target condition applied	5	Low
Standard time to target condition applied	0	Medium
Standard time to target condition applied	1	Low
Standard time to target condition applied	1	Low
Standard time to target condition applied	27	Low



Habitat units delivered	Con
	User comments
0.36	
0.61	
0.00	
0.00	
0.23	
0.09	
1.29	



[illegible]

**Project Name: Land West of Westfield Avenue, Earl Shilton      Map Reference:**

### A-3 On-Site Habitat Enhancement

Condense / Show Columns

Condense / Show Rows

[Main Menu](#)

## Instructions

[illegible]

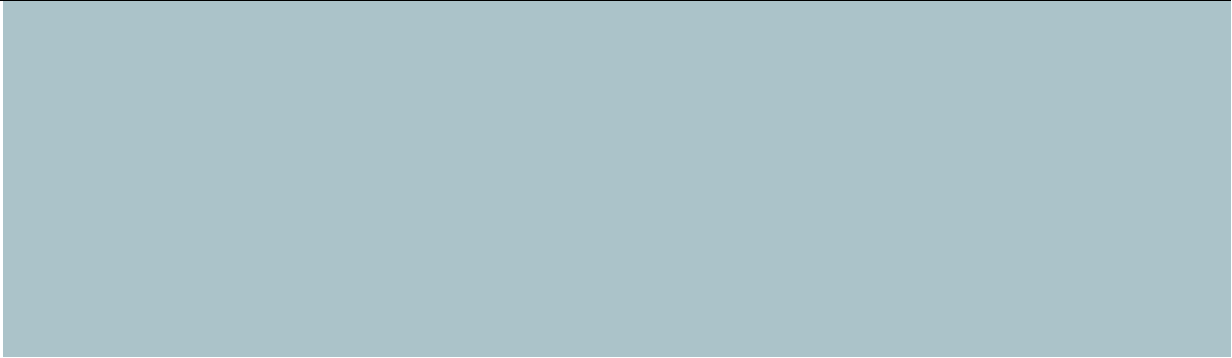


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[illegible]

[illegible]

[illegible]

[illegible]

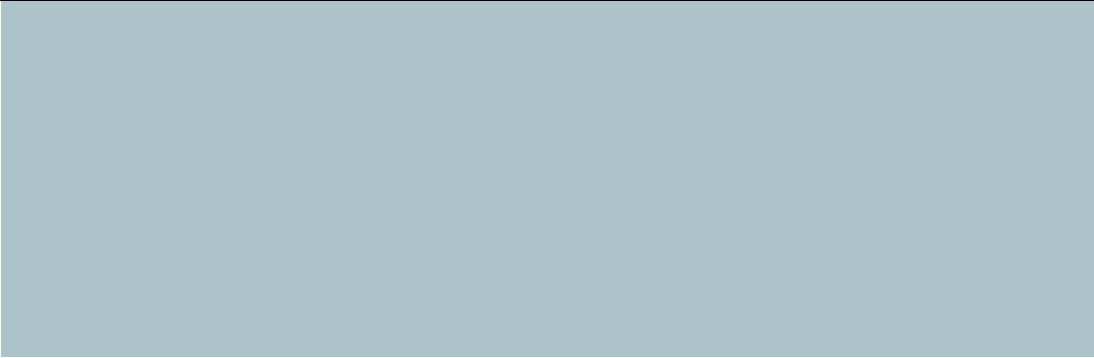
[illegible]

[illegible]



[illegible]

[illegible]

[illegible]

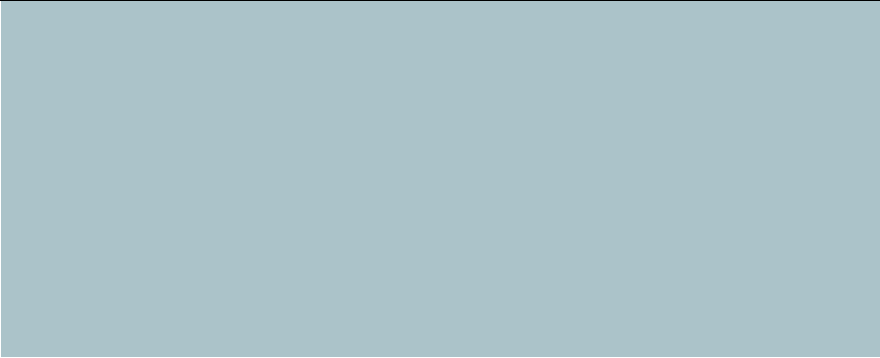
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[illegible]

[illegible]

[illegible]



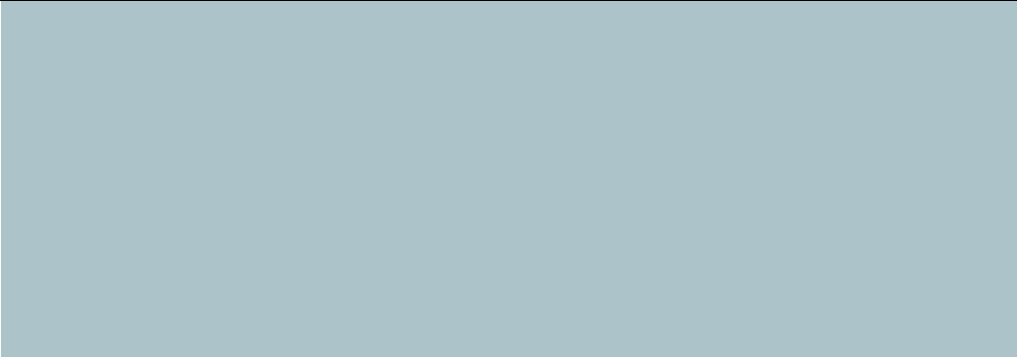
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[illegible]

[illegible]

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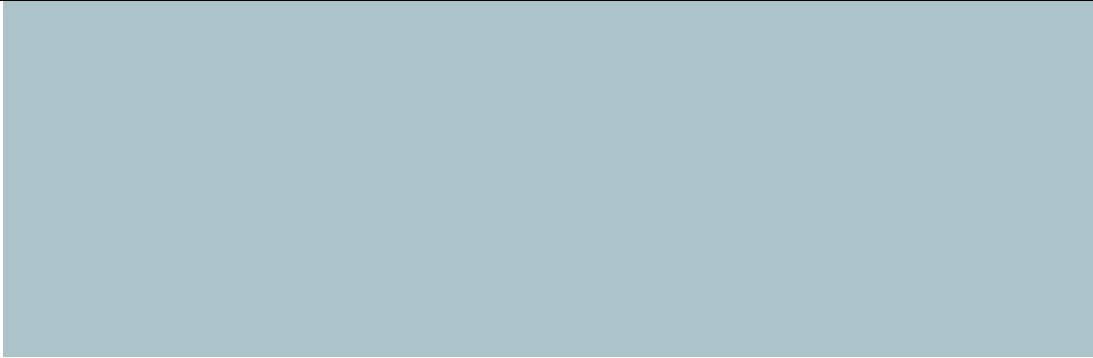


[illegible]

[illegible]

[illegible]

[illegible]

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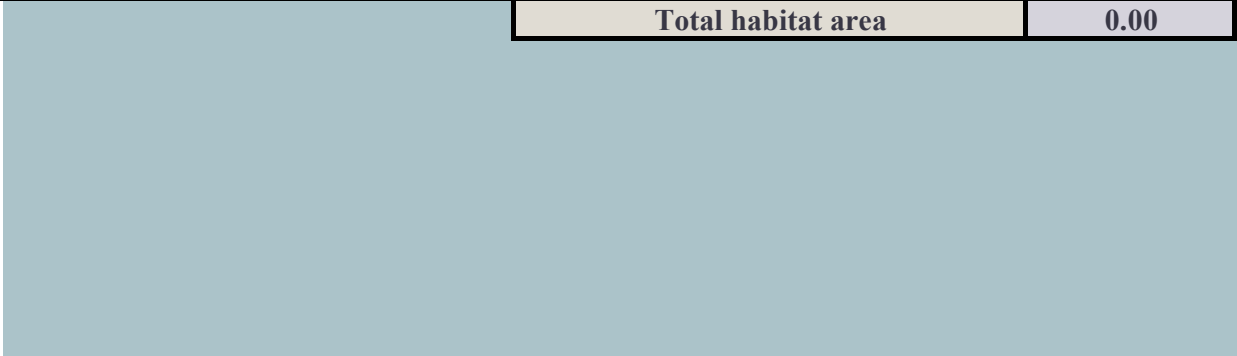
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	Total habitat area	0.00





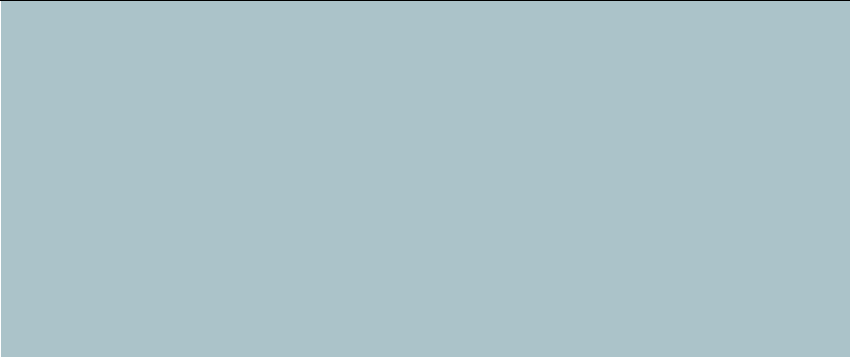
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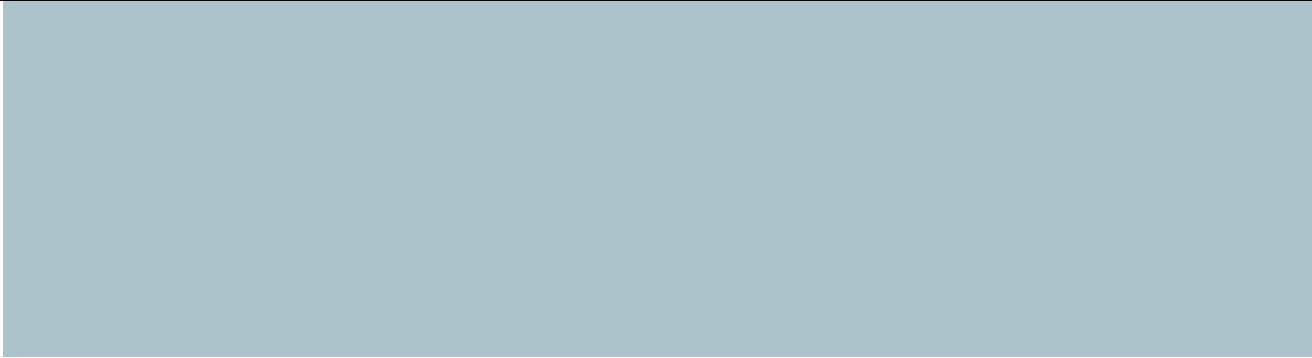
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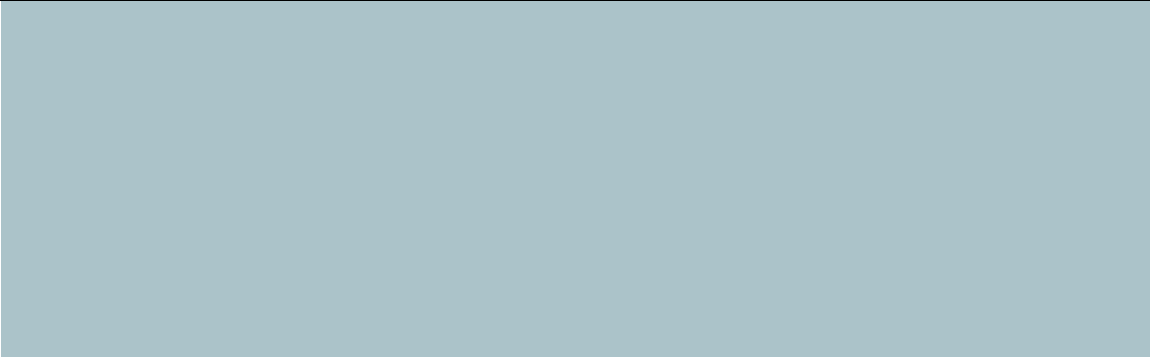


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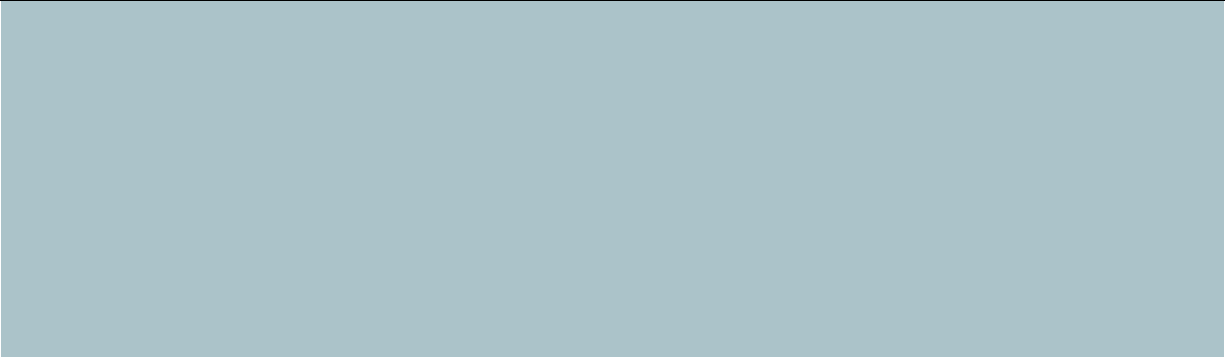
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## Documents

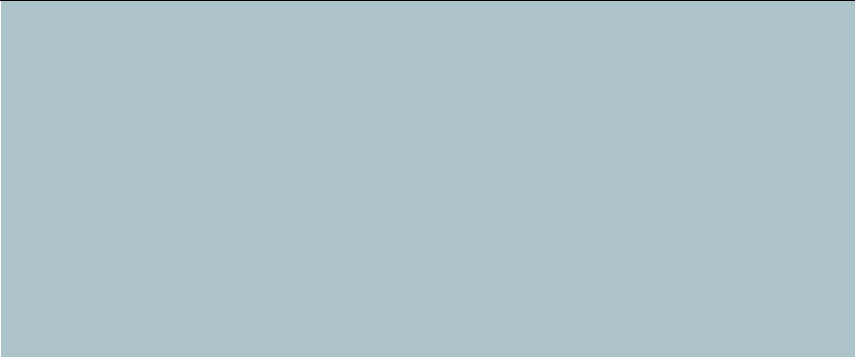
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Project Name: Land W

Condense / Show C

Main Menu

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West of Westfield Avenue, Earl Shilton

### Map Reference:

### B-1 On-Site Hedge Baseline

## Columns

Condense / Show Rows

## Instructions

## Existing hedgerow habitats

[illegible]

[illegible]

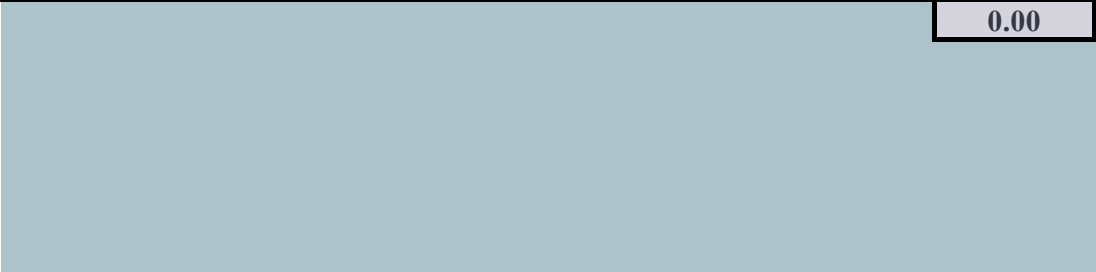




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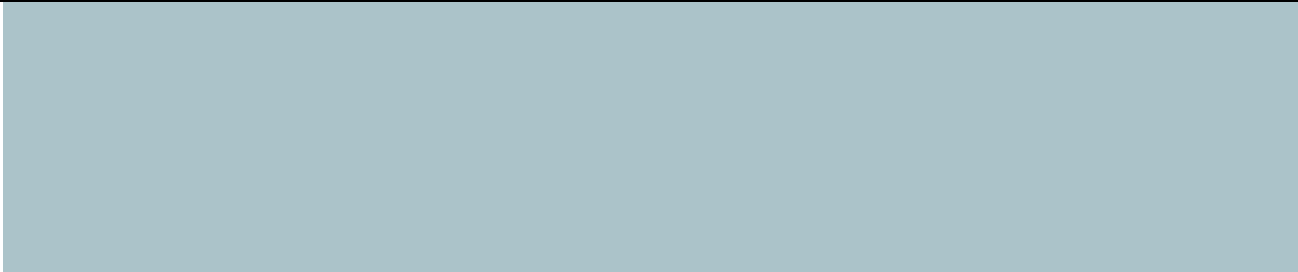



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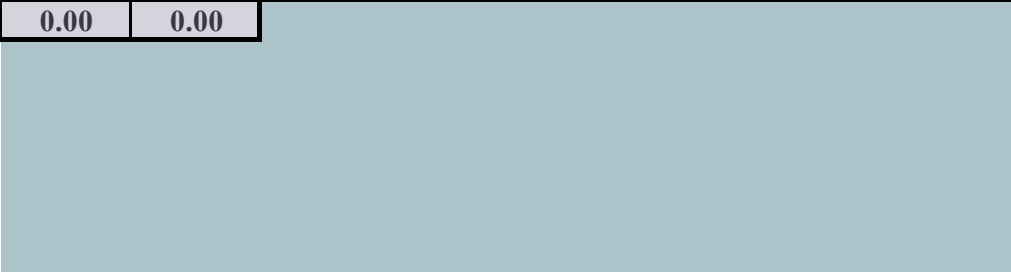
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## Conclusions

## Consenting body comments

**GIS reference  
number**

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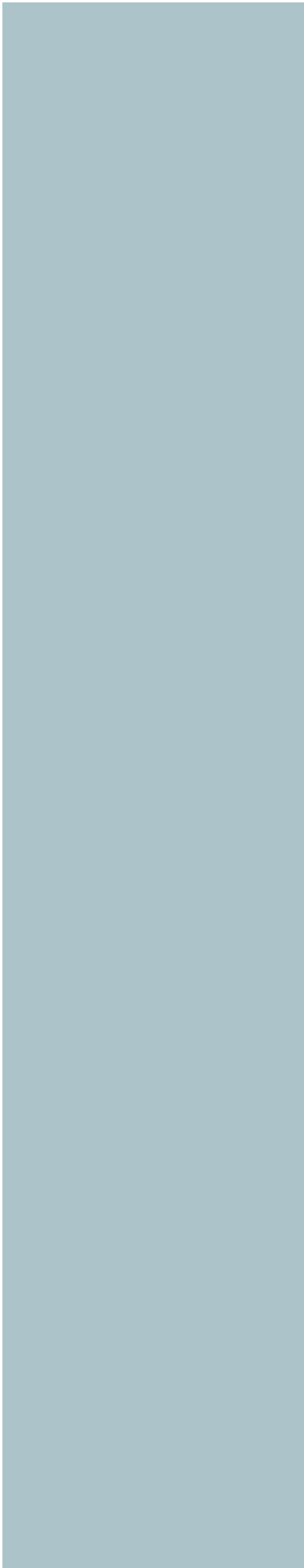
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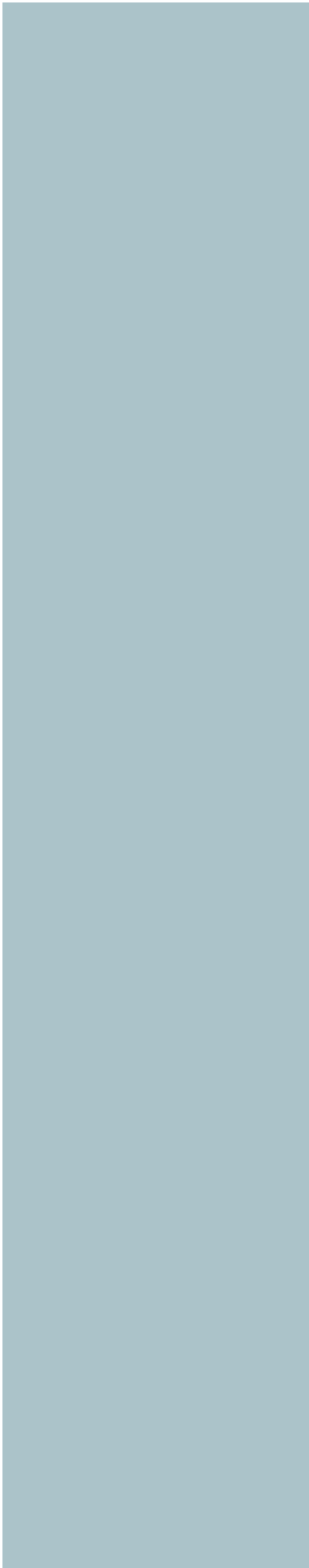
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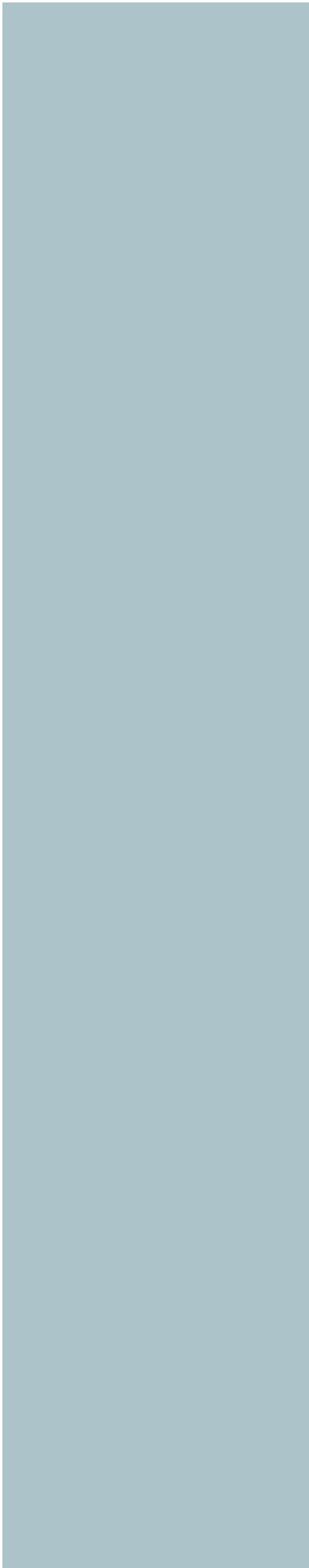


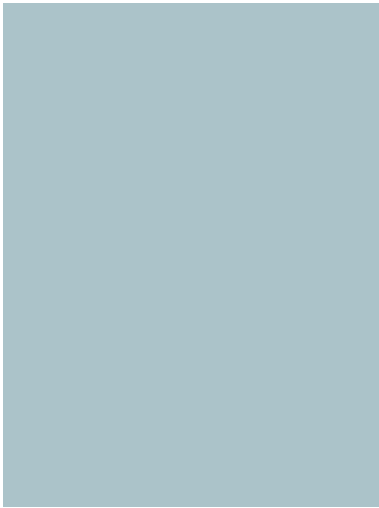













Project Name: Land W

E

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West of Westfield Avenue, Earl Shilton      Map Reference:

### 3-2 On-Site Hedge Creation

## 7 Columns

Condense / Show Rows

## Instructions







[illegible]

[illegible]

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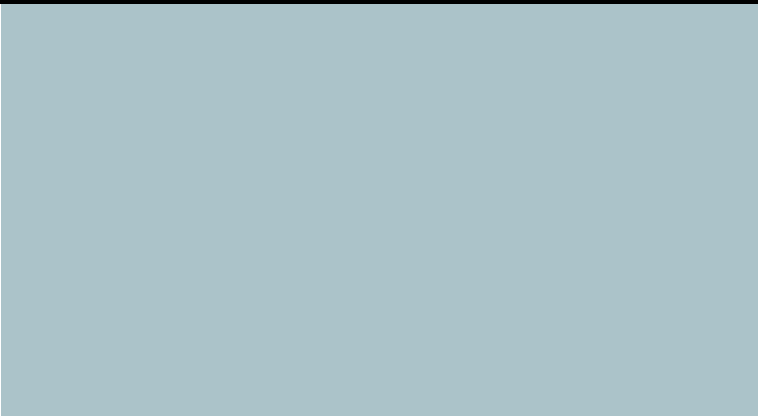
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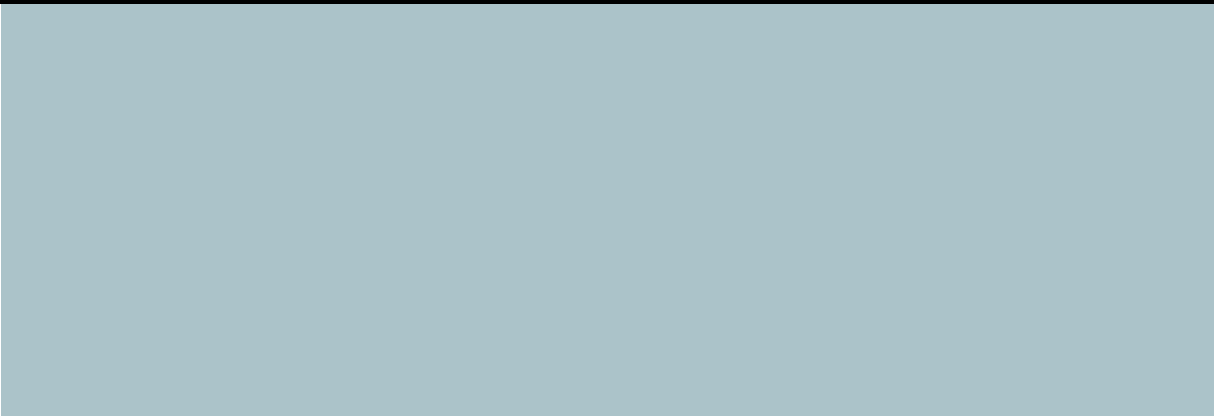
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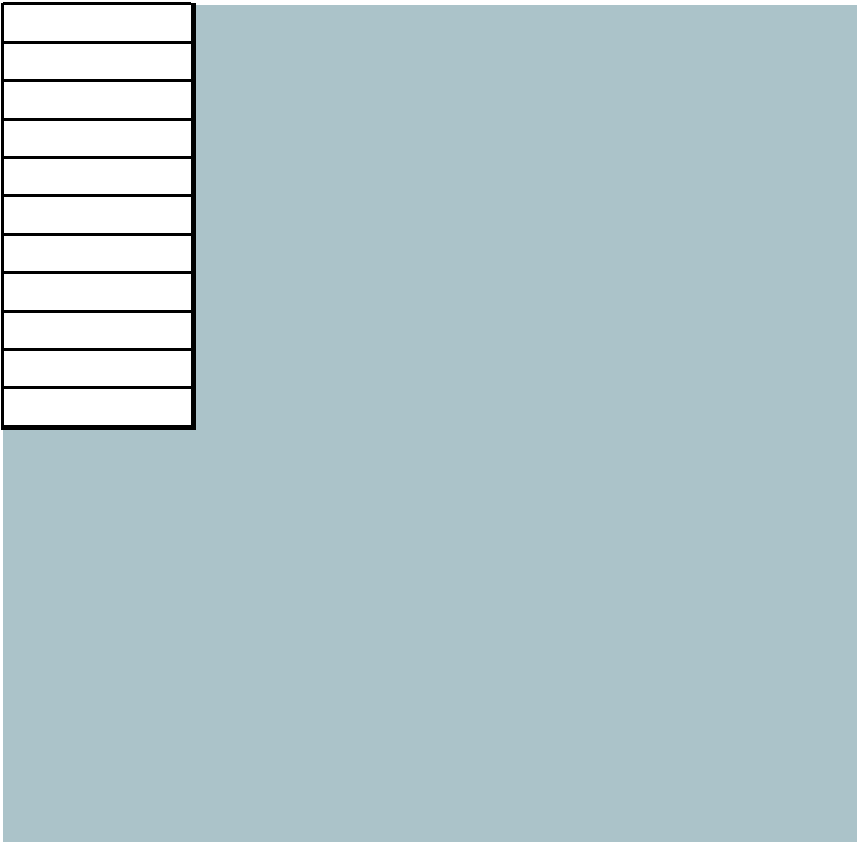


[illegible]

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Name: Land West of Westfield Avenue, Earl Shilton Map Ref:

### B-3 On-Site Hedge Enhancement

Condense / Show Columns

Condense / Show Rows

Main Menu

## Instructions



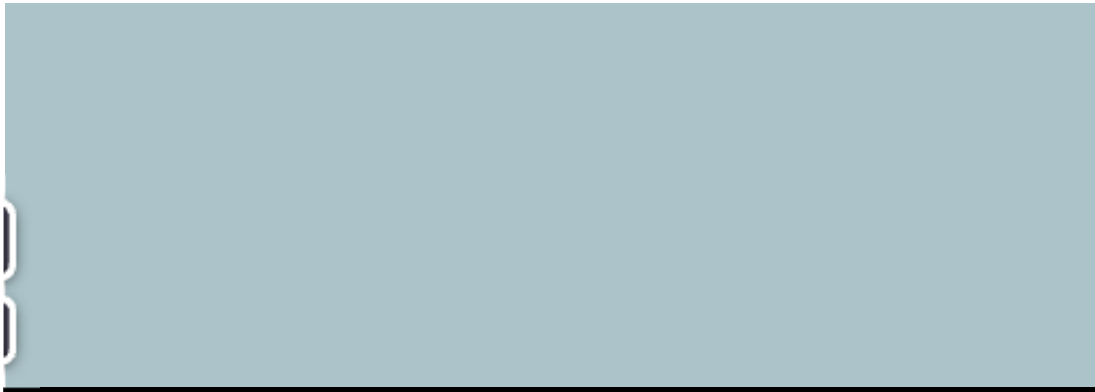




[illegible]

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## Baseline Habitats

[illegible]

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[illegible]

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## Hedgerow summary

Total Net Unit Change	0.67
Total Net % Change	100.00%
Trading Rules Satisfied	Yes ✓

[illegible]

[illegible]

[illegible]

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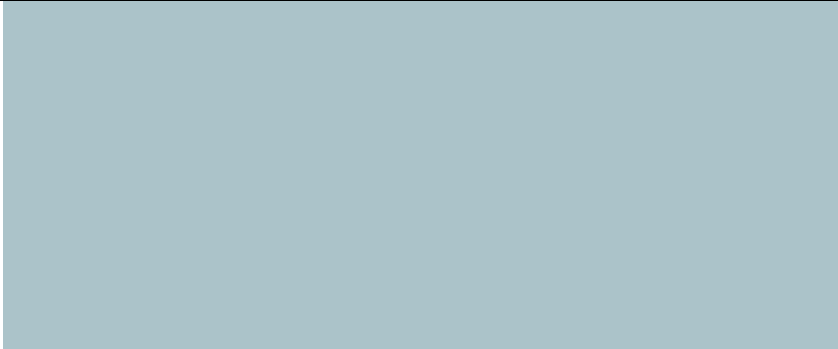
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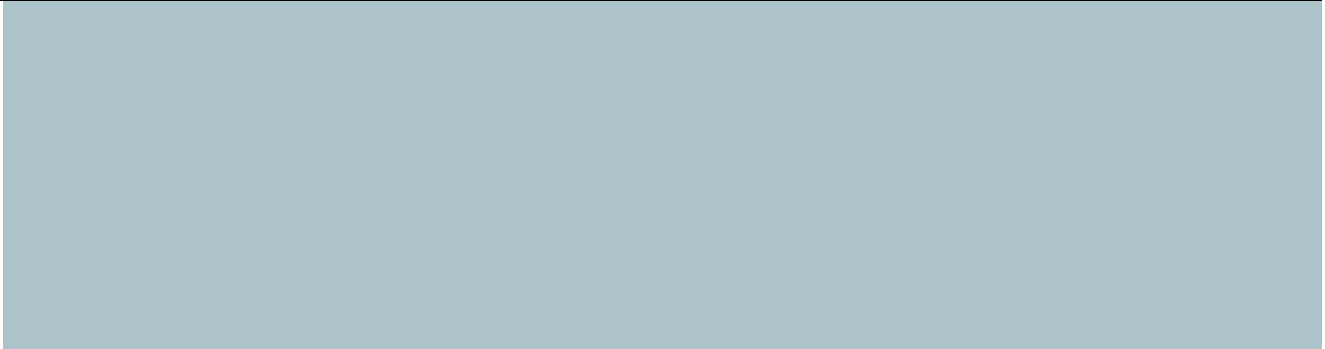


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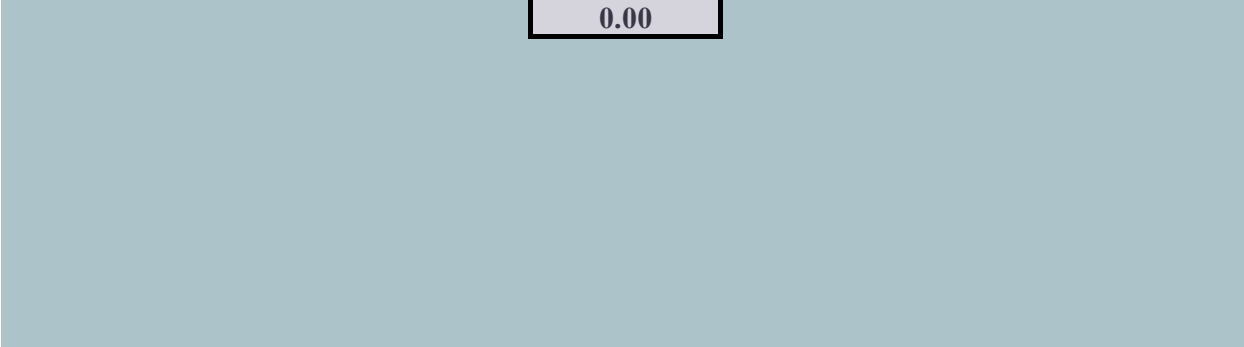









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## Conclusions



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[illegible]

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