

# The Statutory Biodiversity Metric

Auditing and accounting for biodiversity

## Calculation Tool

Version 1.0.3

[Open Tool](#)

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# The Statutor

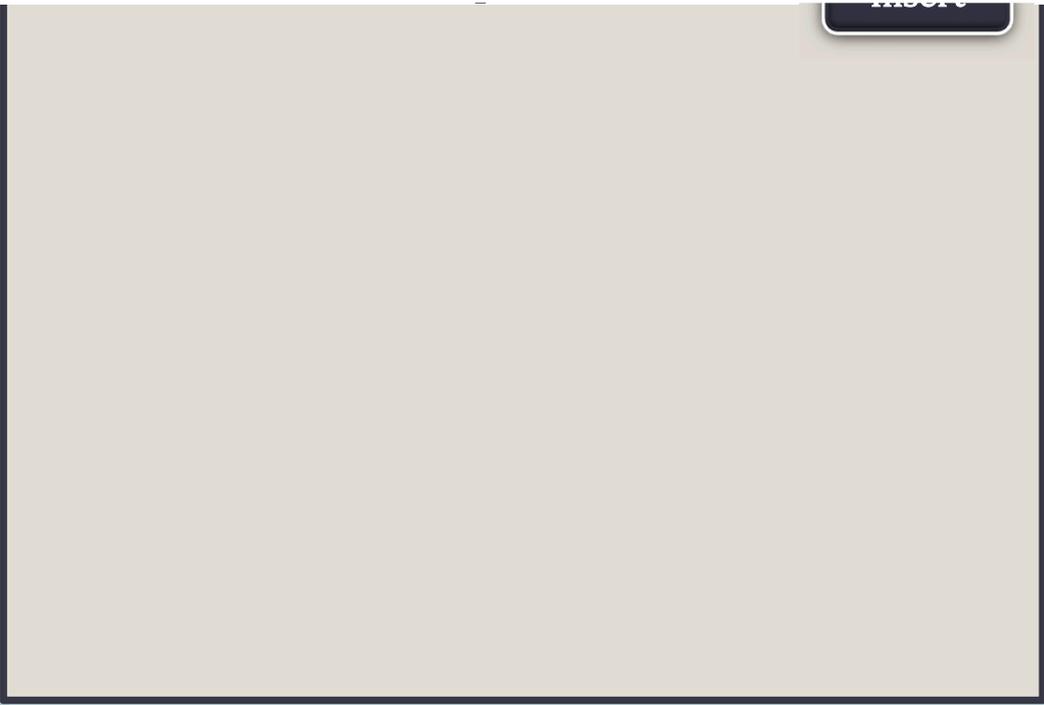
Project details	
Planning authority:	
Project name:	
Applicant:	
Application type:	
Planning application reference:	
Completed by:	
Date of metric completion:	
Reviewer:	
Calculation iteration:	
Planning authority reviewer:	
Date of planning authority review:	
Target % net gain:	10%
Irreplaceable habitat present at baseline:	
Total site area - including irreplaceable habitat area (hectares):	0.51
Total off-site area - including irreplaceable habitat area (hectares):	N/A

Cell style conversion	
⚠	
▲	

On-site baseline map

Insert

Insert



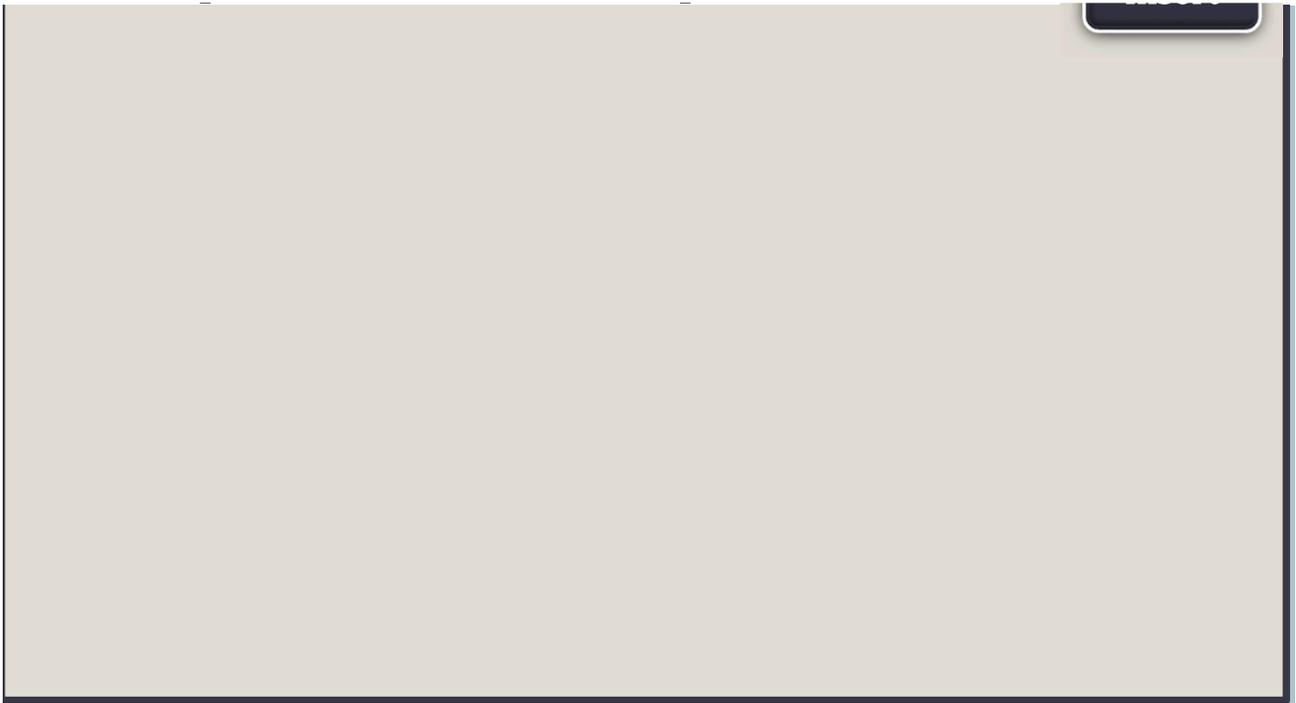
**On-site baseline map reference number**



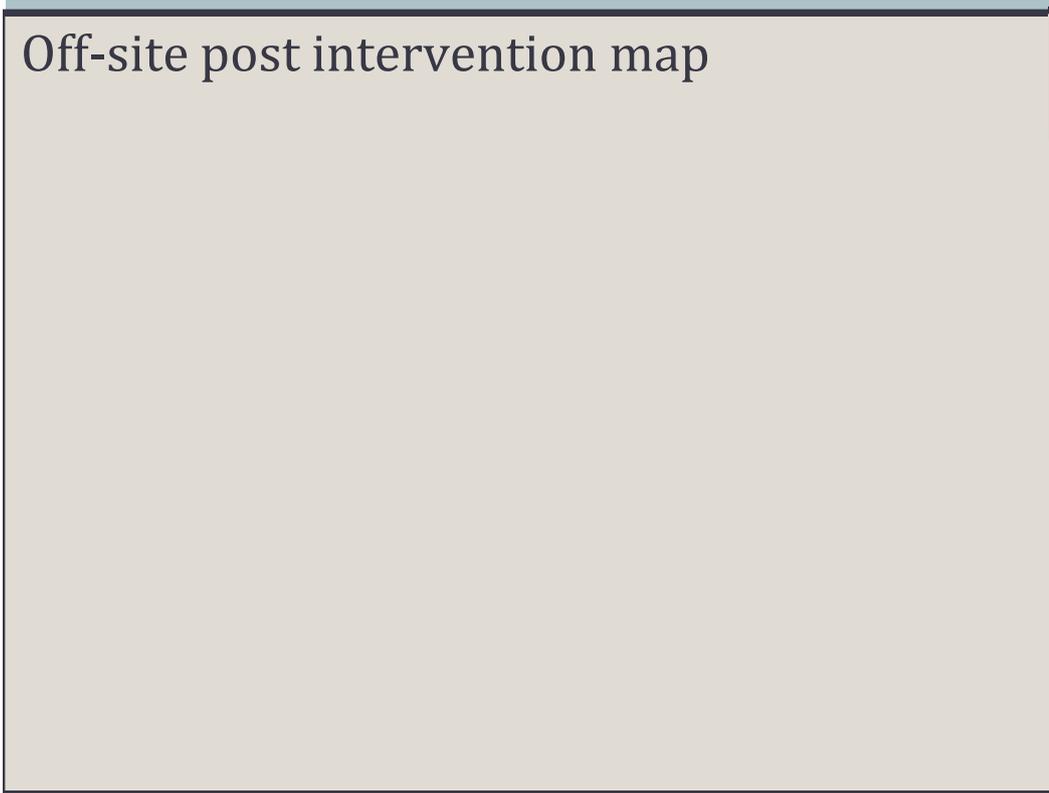
Insert

**Off-site baseline map reference number**





**On-site post-intervention map reference number**

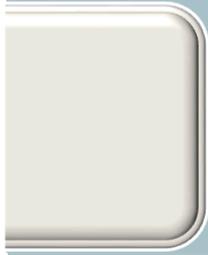


Off-site post intervention map

**Insert**

**Off-site post-intervention reference number**





menu

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y all

view



# The Statutory M

## Key



Area habitats



Hedgerows and  
lines of trees



Watercourses

Start page

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 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





# Key Biodiversity Metric Main menu

Tree size
Small
Medium
Large
Very large
Total

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-site

D-2 Off-site Area  
Habitat Creation

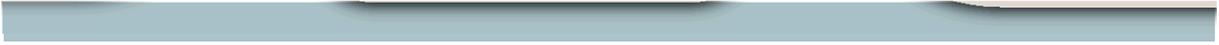


E-2 Off-site Hedge  
Creation



F-2 Off-site  
Watercourse Crea





tree helper

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

Poor	Area	Moderate	Area	Good	Area
	0.0000		0.0000		0.0000
	0.0000		0.0000		0.0000
	0.0000		0.0000		0.0000
	0.0000		0.0000		0.0000
0	0.0000	0	0.0000	0	0.0000

4

te post development

D-3 Off-site Area Habitat Enhancement

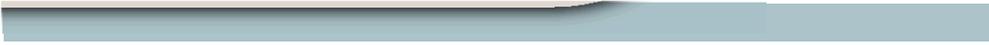


E-3 Off-site Hedge Enhancement



F-3 Off-site Watercourse Enhancement





# The Statutory Bio Resu

[Return to start  
page](#)

[Headline results](#)

[Detailed res](#)

[Off-site  
summary](#)

[Irreplacea  
habitats sum](#)

# diversity Metric lts

sults

Habitat trading  
summaries

ble  
summary

Unit shortfall  
summary



Paul Lane, Flockton Moor

Return to results menu

**Headline Results**

Scroll down for final results ⚠

**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?

No - Check Trade

Unit Type	Target	Baseline Units	Units Required
<i>Habitat units</i>	10.00%	4.82	5.30
<i>Hedgerow units</i>	10.00%	0.51	0.56
<i>Watercourse units</i>	10.00%	0.00	0.00

**Input errors/rule breaks present in metric ▲**

4.82
0.51
0.00

3.69
0.51
0.00

-1.13	-23.49%
0.00	0.00%
0.00	0.00%

On-site net gain is less than target set  $\Delta$   
On-site net gain is less than target set  $\Delta$

0.00
0.00
0.00

0.00
0.00
0.00

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

0.00	0.00%
0.00	0.00%

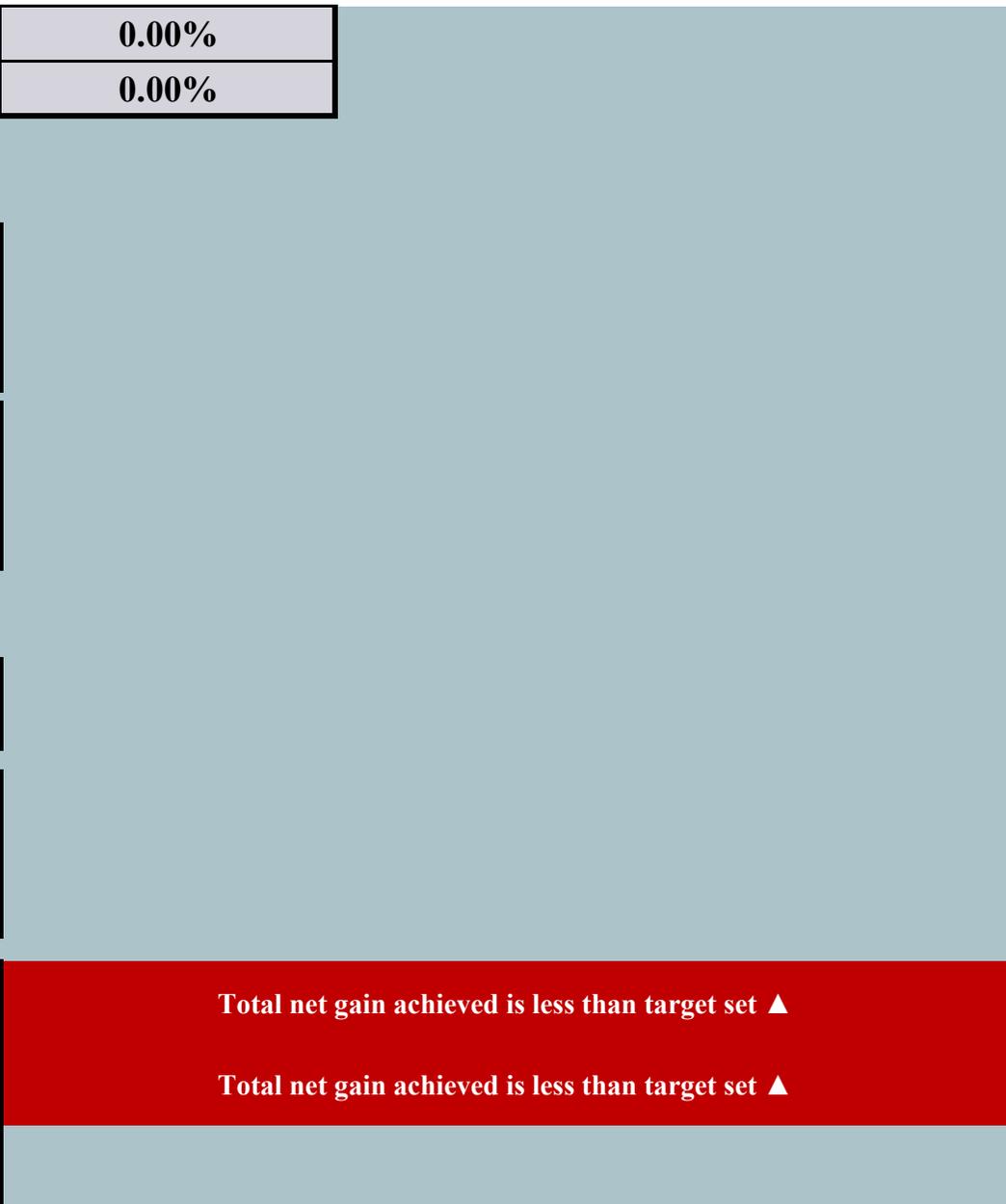
-1.13
0.00
0.00

0.00
0.00
0.00

--

-1.13
0.00
0.00

-23.49%
0.00%
0.00%



Total net gain achieved is less than target set ▲

Total net gain achieved is less than target set ▲

**ing Summaries ▲**

**Unit Deficit**

**1.61**

**0.05**

**0.00**

**No additional watercourse units required to meet target ✓**



**Paul Lane, Flockton Moor**

**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

Total on-site and off-site area / length proposed for enhancement

Total on-site and off-site 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

Off-site ch

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

Combined on-site and

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</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	

## 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**

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

On-site cl

Watercourse type

Priority habitat

Other rivers and streams

Ditches

Canals

Culvert

Watercourses

Off-site cl

Watercourse type

Priority habitat

Other rivers and streams

Ditches

Canals

Culvert

Watercourses

**Watercourses**

**Combined on-site an**

**Watercourse type**

Priority habitat

Other rivers and streams

Ditches

Canals

Culvert

Return to results menu

ty units

(retention / creation)

*Habitat units*

*Hedgerow units*

*Watercourse units*

% change

(retention + retained habitats)

*Habitat units*

*Hedgerow units*

*Watercourse units*

habitat retention and enhancement

	Habitats	Hedgerows
	0.61	0.06
	4.82	0.51
	0.40	0.06
	3.37	0.51
ent	0.00	0.00
ent	0.00	0.00
	0.22	0.00
	1.44	0.00

change 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
0.22	1.68	0.15	1.13	-0.06
0.04	0.18	0.04	0.18	0.00
0.00	0.00	0.00	0.00	0.00
0.17	0.77	0.13	0.55	-0.04
0.03	0.00	0.14	0.00	0.11
0.00	0.00	0.00	0.00	0.00
0.05	0.99	0.05	0.99	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
0.10	1.20	0.07	0.84	-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
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**

Baseline		On-site and off-site post-development		Combined
Combined existing area	Combined existing value	Combined proposed area	Combined proposed value	Combined area change
0.00	0.00	0.00	0.00	0.00
0.22	1.68	0.15	1.13	-0.06
0.04	0.18	0.04	0.18	0.00
0.00	0.00	0.00	0.00	0.00
0.17	0.77	0.13	0.55	-0.04
0.03	0.00	0.14	0.00	0.11
0.00	0.00	0.00	0.00	0.00
0.05	0.99	0.05	0.99	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
0.10	1.20	0.07	0.84	-0.03

**S**

**change by hedgerow 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
0.00	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
0.06	0.51	0.06	0.51	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



**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**

<b>Baseline</b>		<b>Post-development on-site</b>		<b>On-site</b>
<b>Combined existing length</b>	<b>Combined existing value</b>	<b>Combined proposed length</b>	<b>Combined proposed value</b>	<b>Combined length change</b>
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

-1.13
0.00
0.00

-23.49%
0.00%
0.00%

Watercourses
0.00
0.00

0.00
0.00

0.00
0.00

0.00
0.00

**Combined area lost from baseline**





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

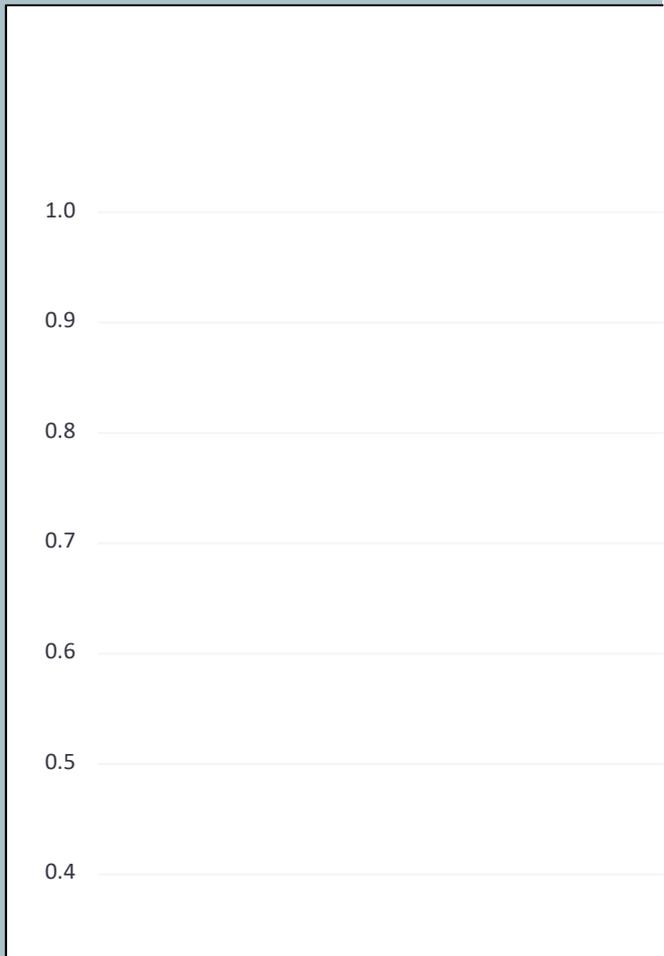
Unit change
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00



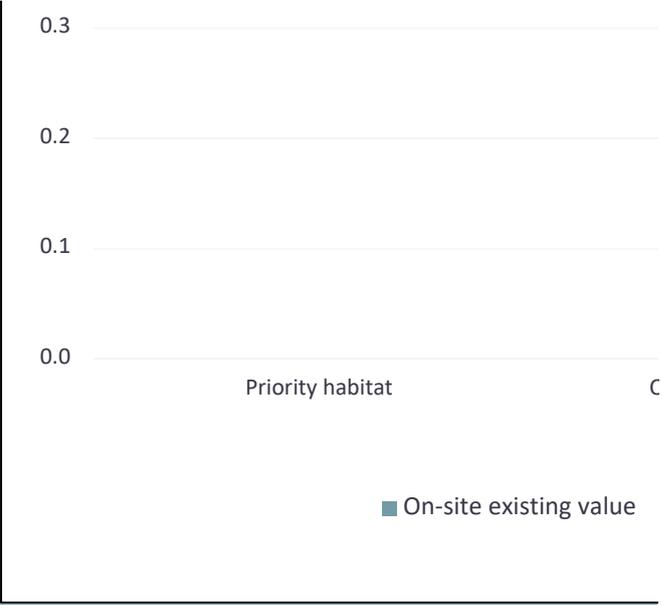
<b>e Change</b>
On-site unit change
0.0
0.0
0.0
0.0
0.0

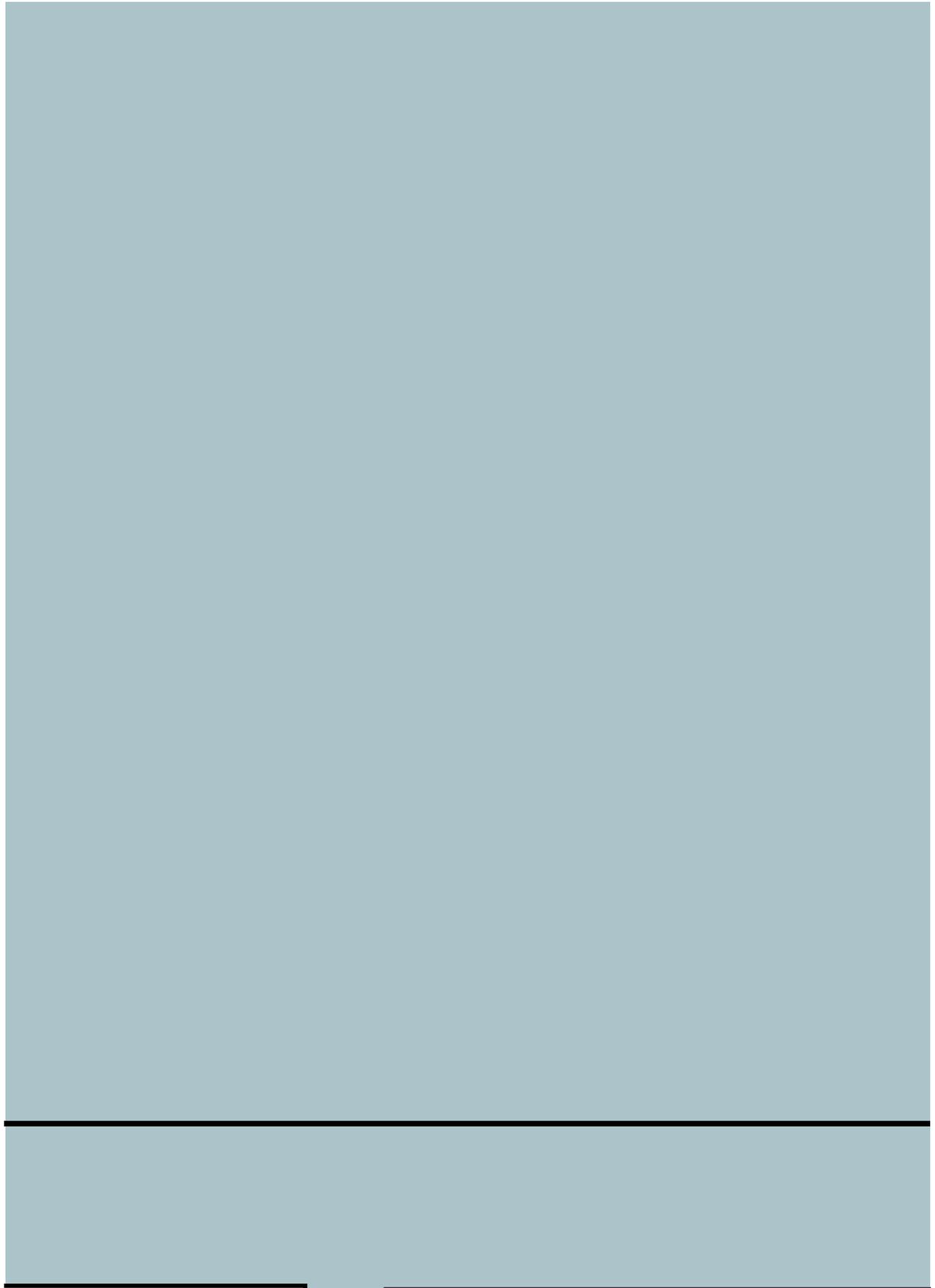
<b>Combined length lost from baseline band</b>	
<b>Category</b>	<b>Length lost (km)</b>
V.High	0
High	0
Medium	0
Low	0

<b>e Change</b>
Off-site unit change
0.0
0.0
0.0
0.0
0.0



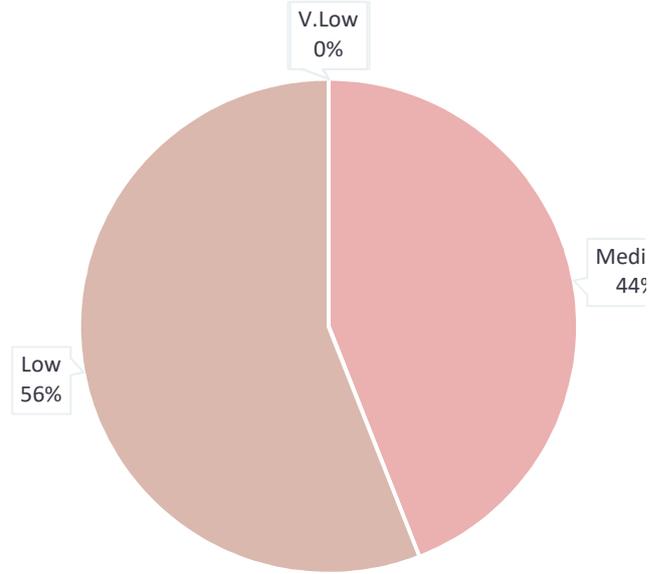
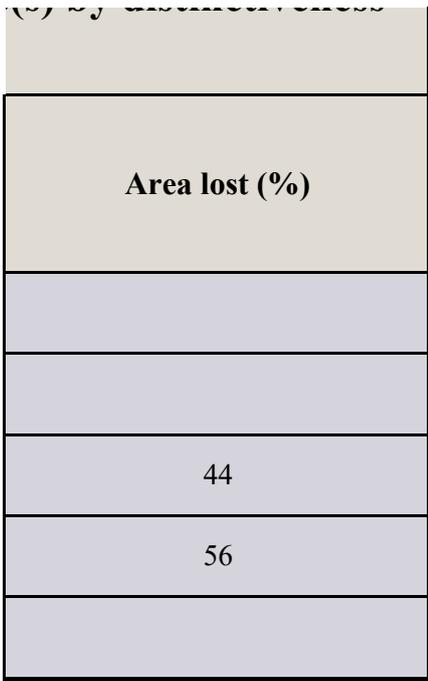
<b>te change</b>
Combined unit change
0.0
0.0
0.0
0.0
0.0





**(s) by distinctiveness**

% Area lost by distinctiveness cat

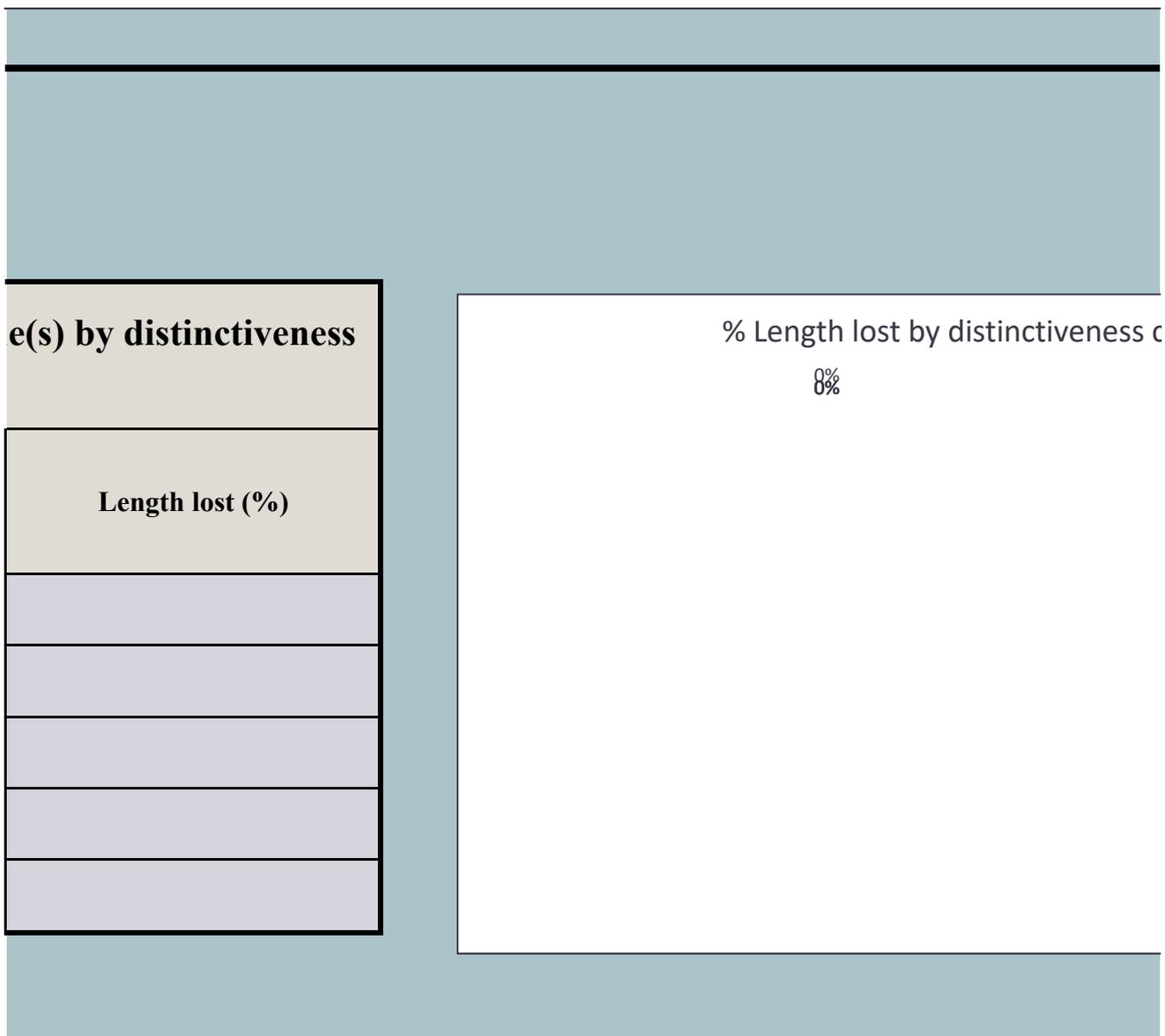


Biodiversity unit change by habitat group

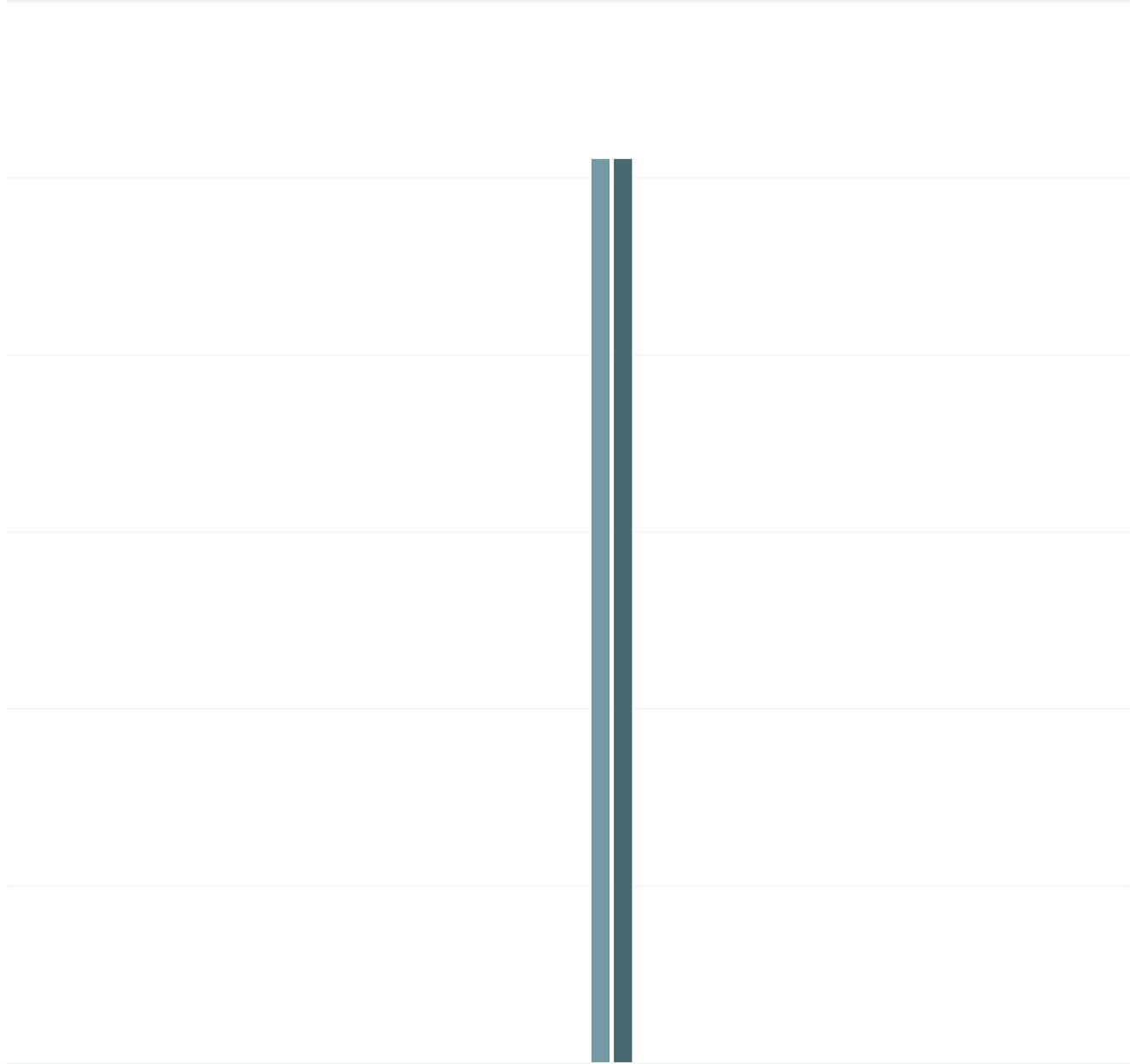


s      Sparsely vegetated land      Urban      Wetland      Woodland and forest      Intertidal sediment      Coastal saltmarsh      Rocky shore      Coastal lagoons      Intertid struc

On-site existing value      On-site proposed value      Off-site existing value      Off-site proposed value      Con



# Hedgerow biodiversity unit change

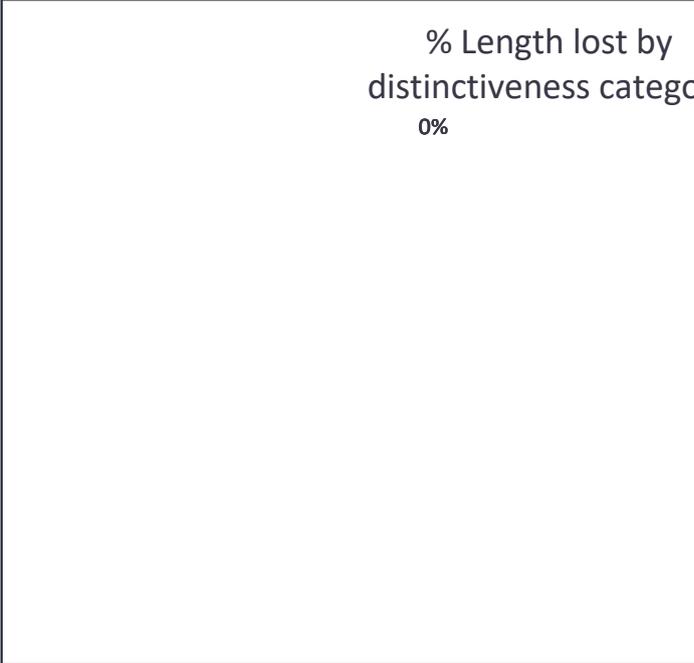


Active hedgerow with trees - associated with bank or ditch    Species-rich native hedgerow    Native hedgerow associated with bank or ditch    Native hedgerow with trees    Ecologically valuable line of trees    Ecologically valuable line of trees - associated with bank or ditch    Native hedgerow  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

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



<b>e(s) by distinctiveness</b>
<b>Length lost (%)</b>



Watercourse biodiversity unit change

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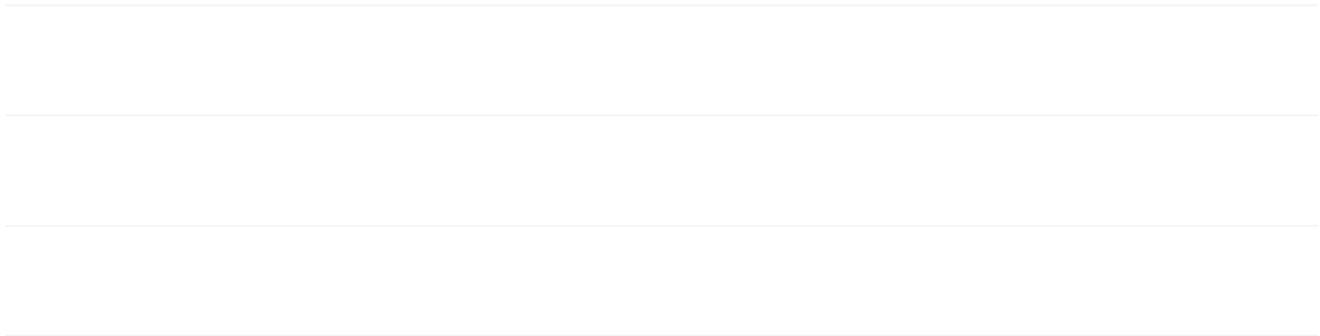
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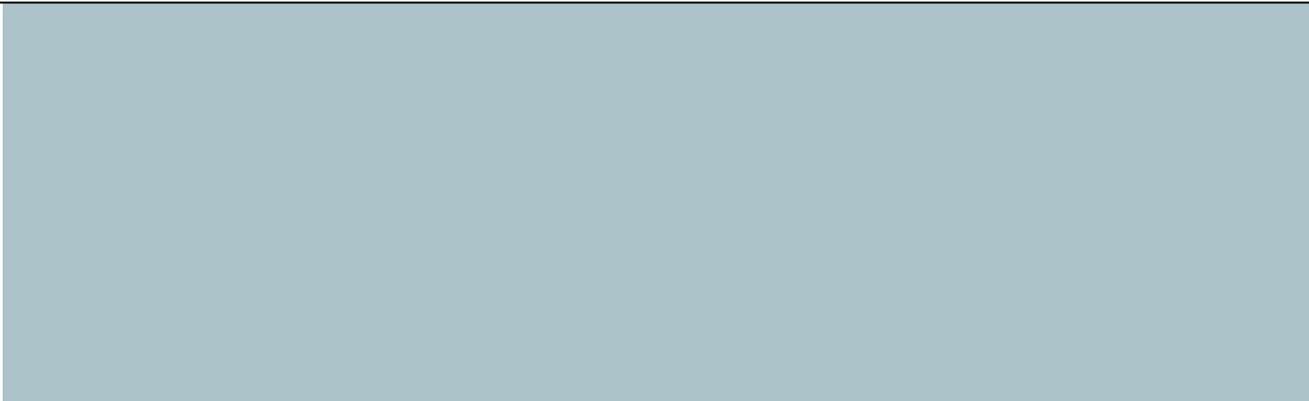


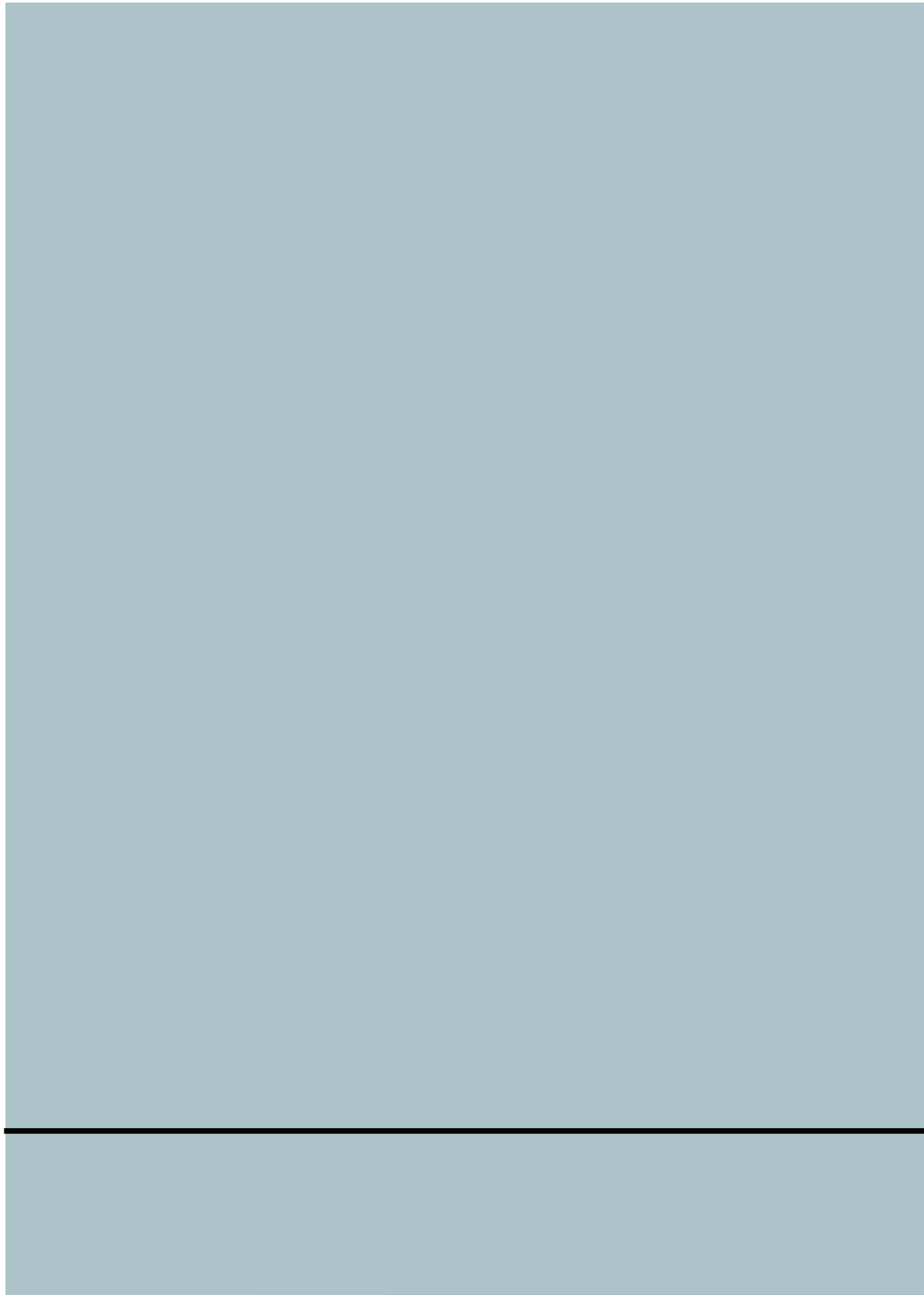
Other rivers and streams

Ditches

Canals

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



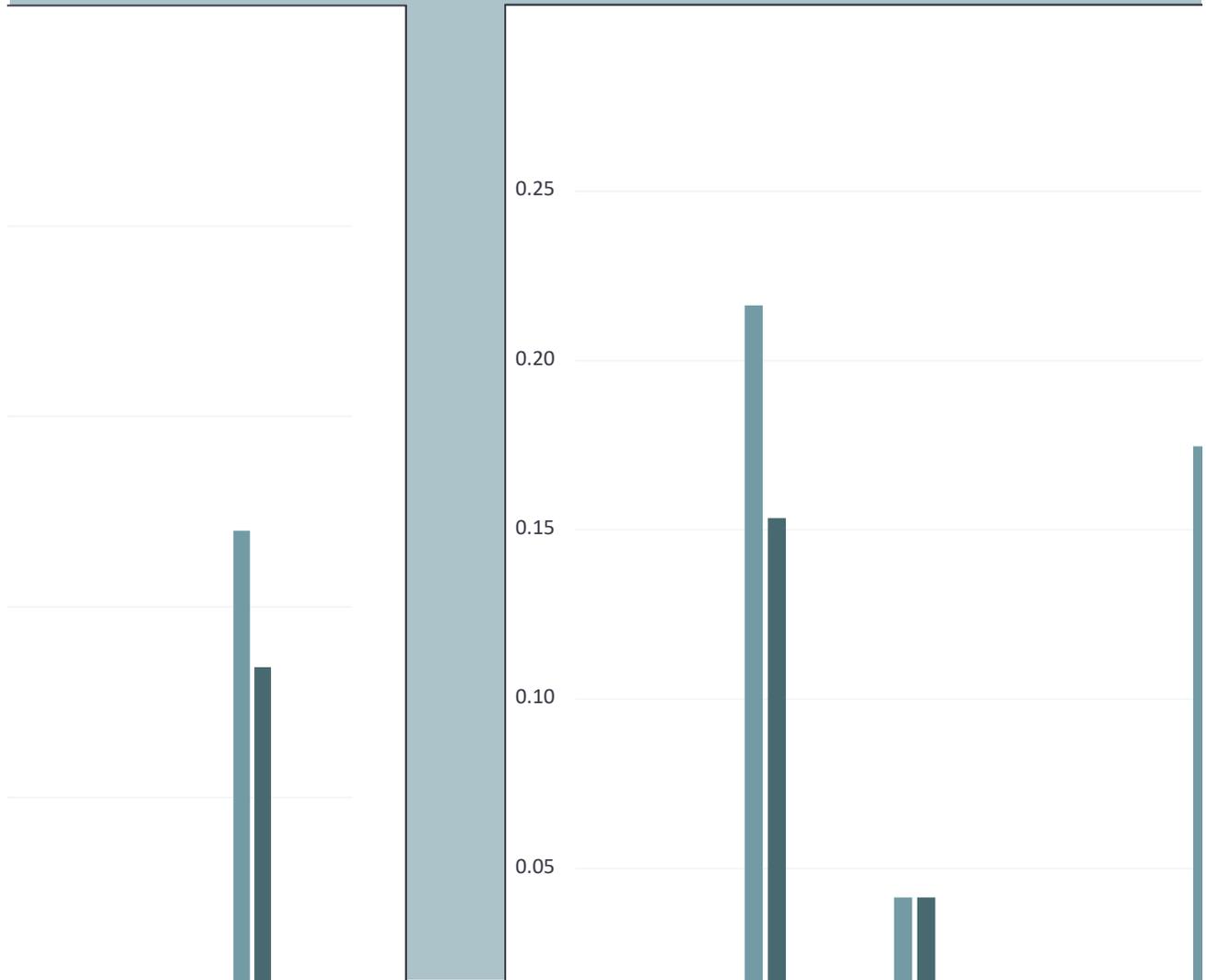
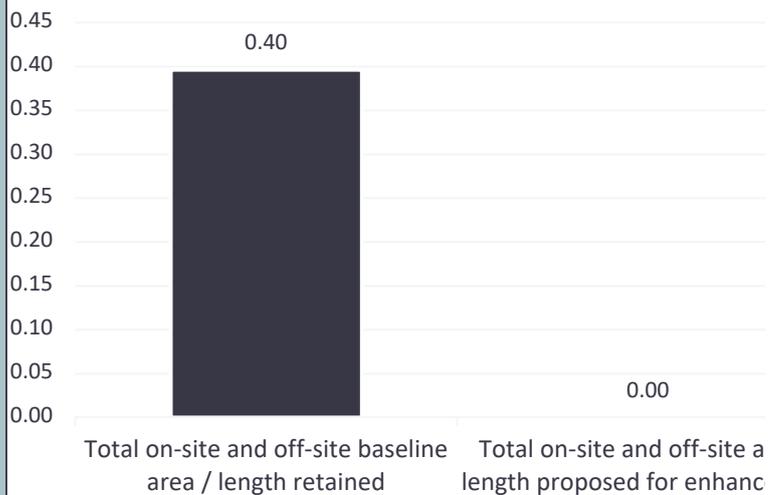


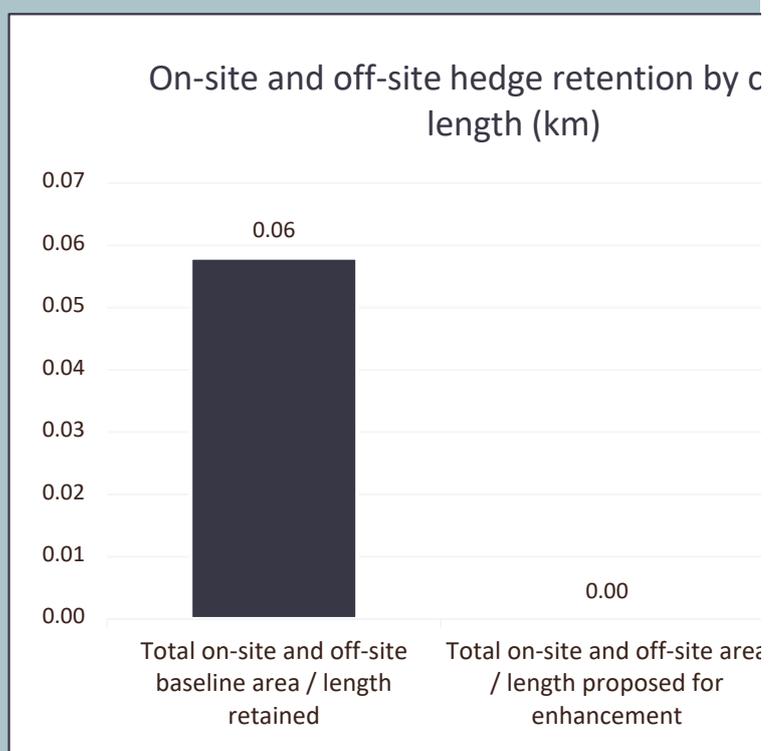
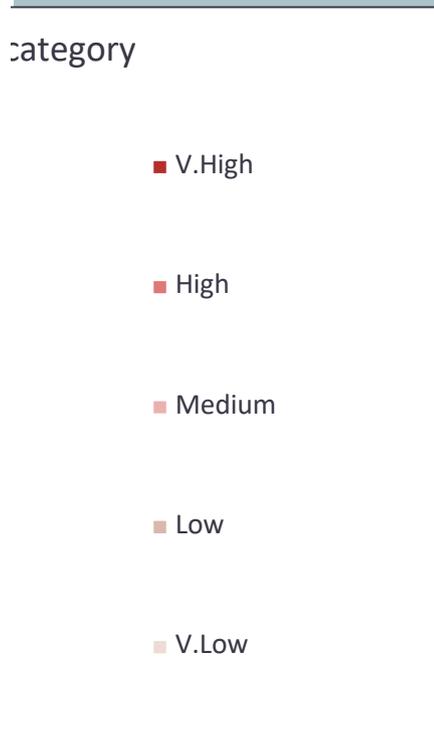
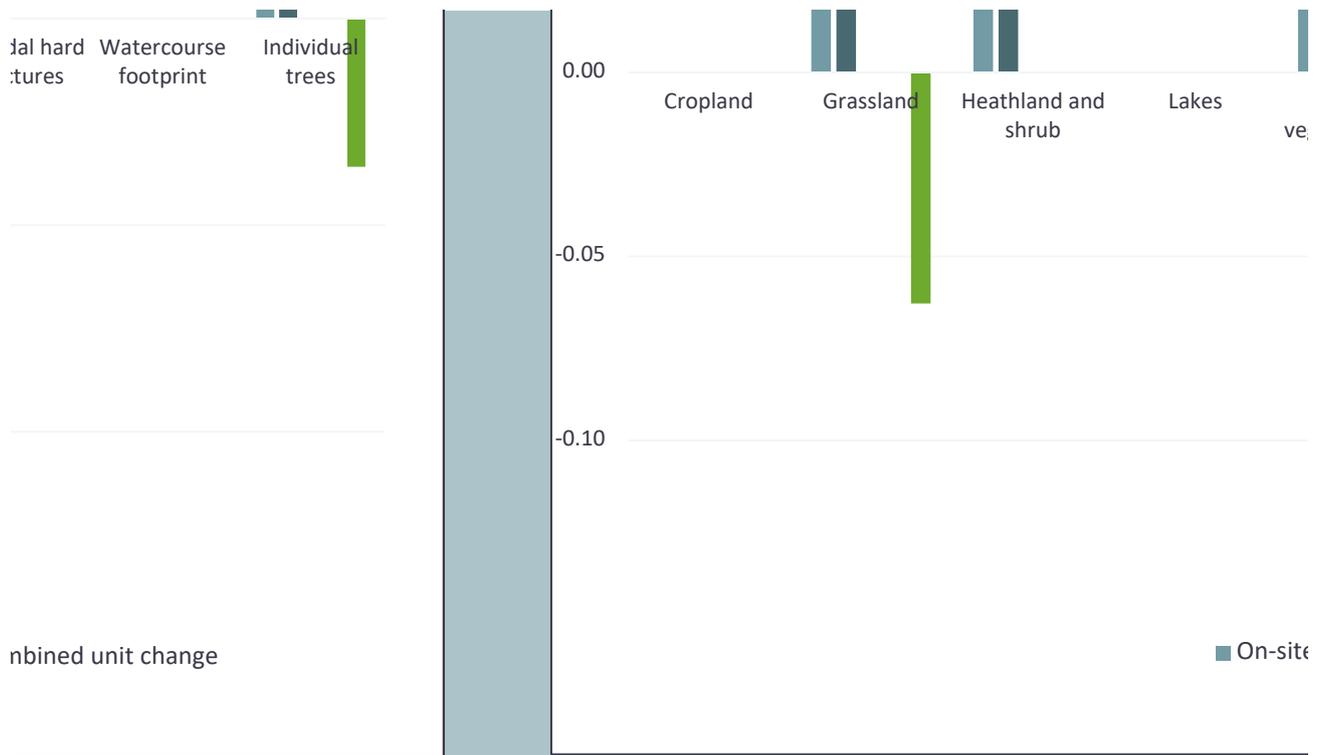
0.7

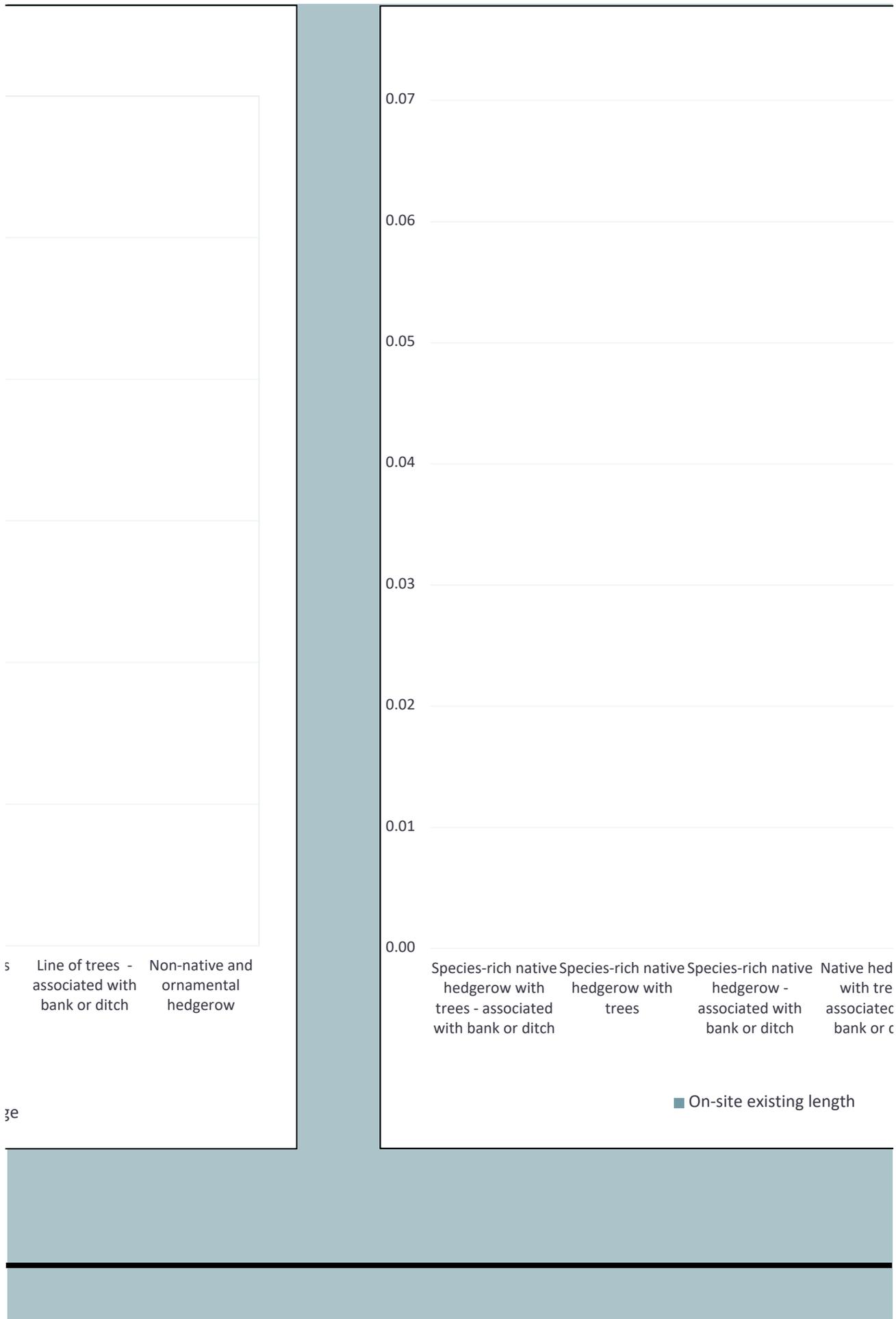
### On-site and off-site habitat retention b area (hectares)

ium %

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



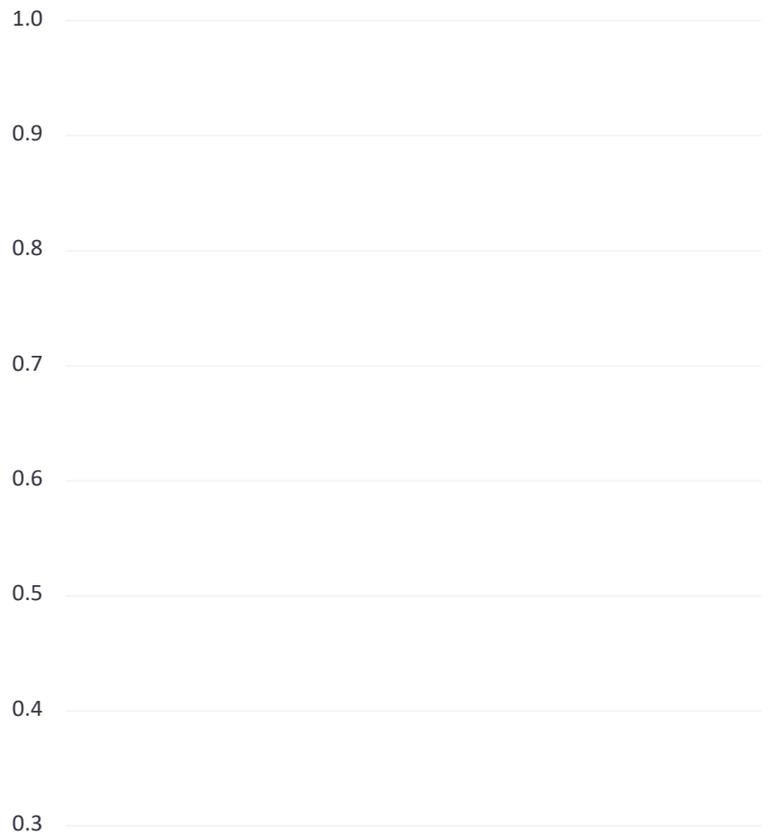
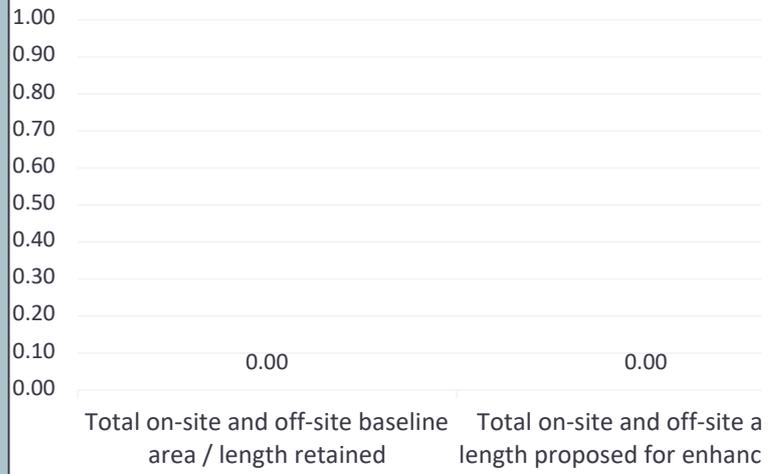


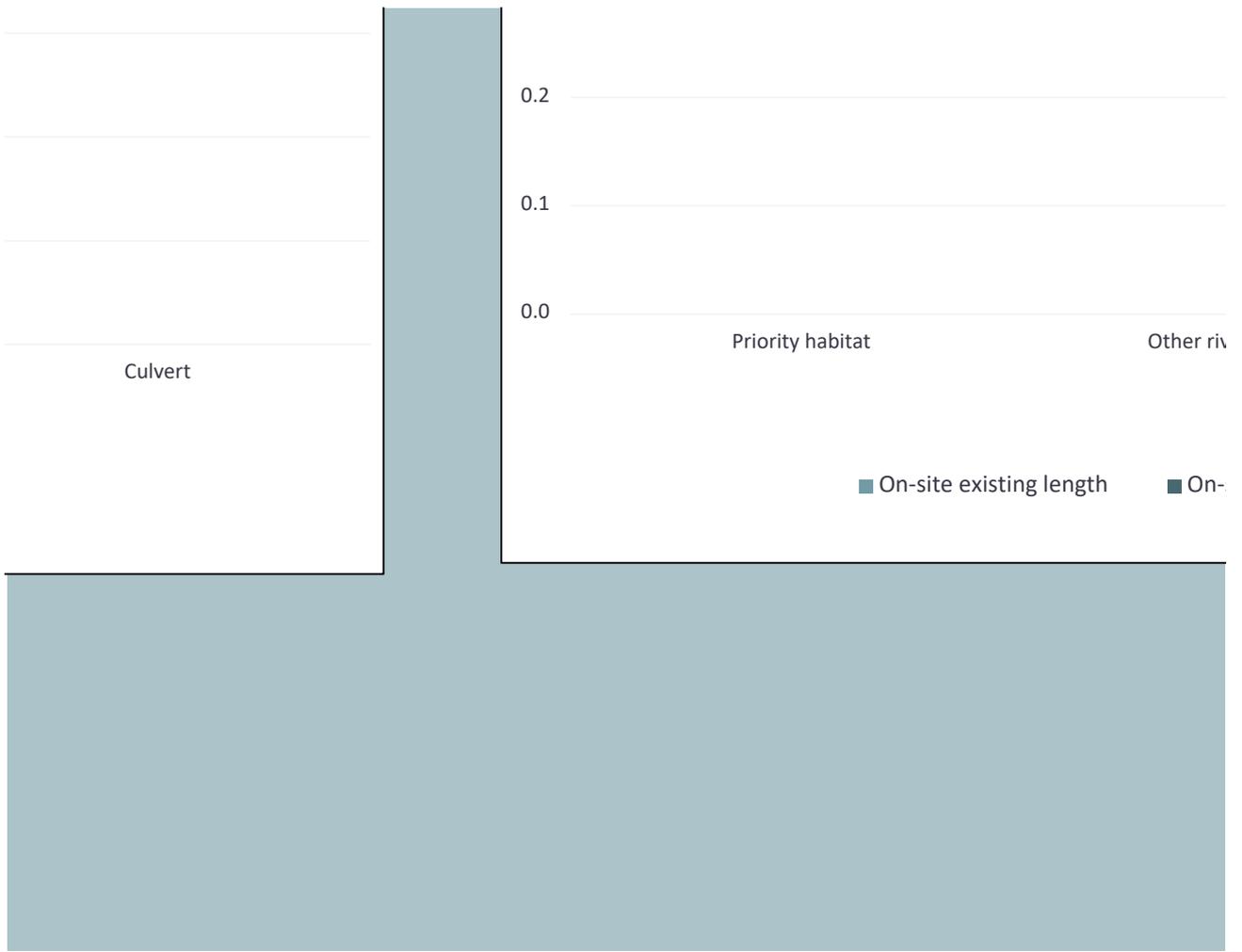


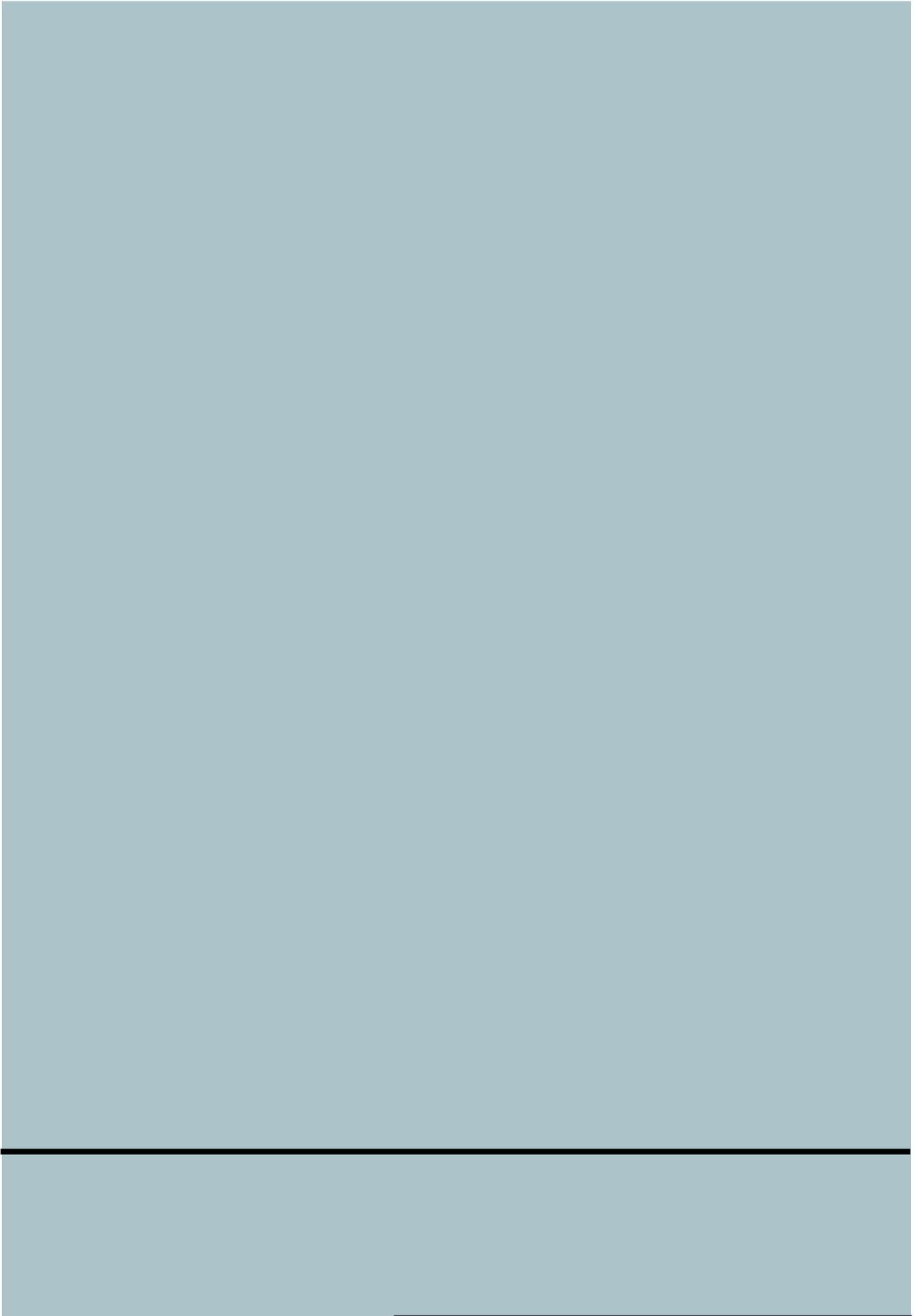
ory

- V.High
- High
- Medium
- Low

### Watercourse length retained, proposed & lost (length km)



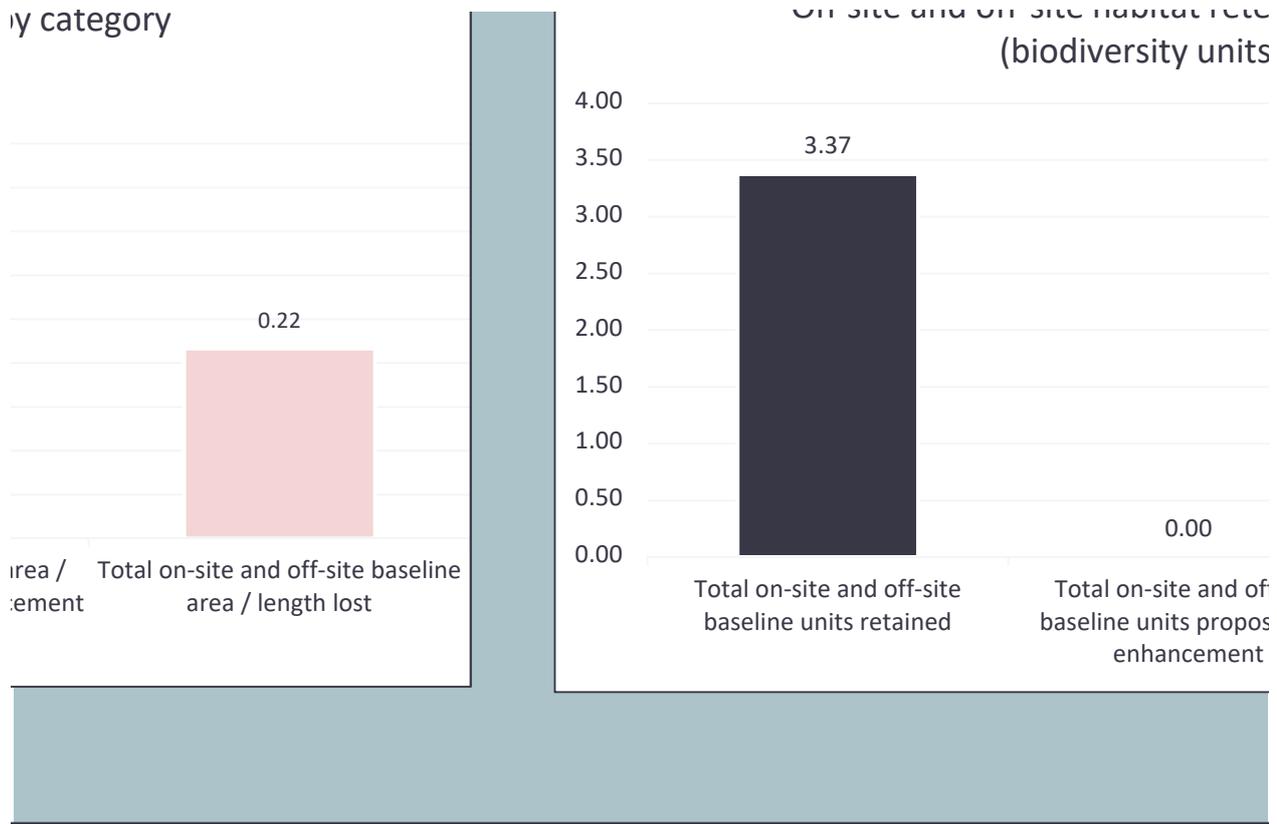




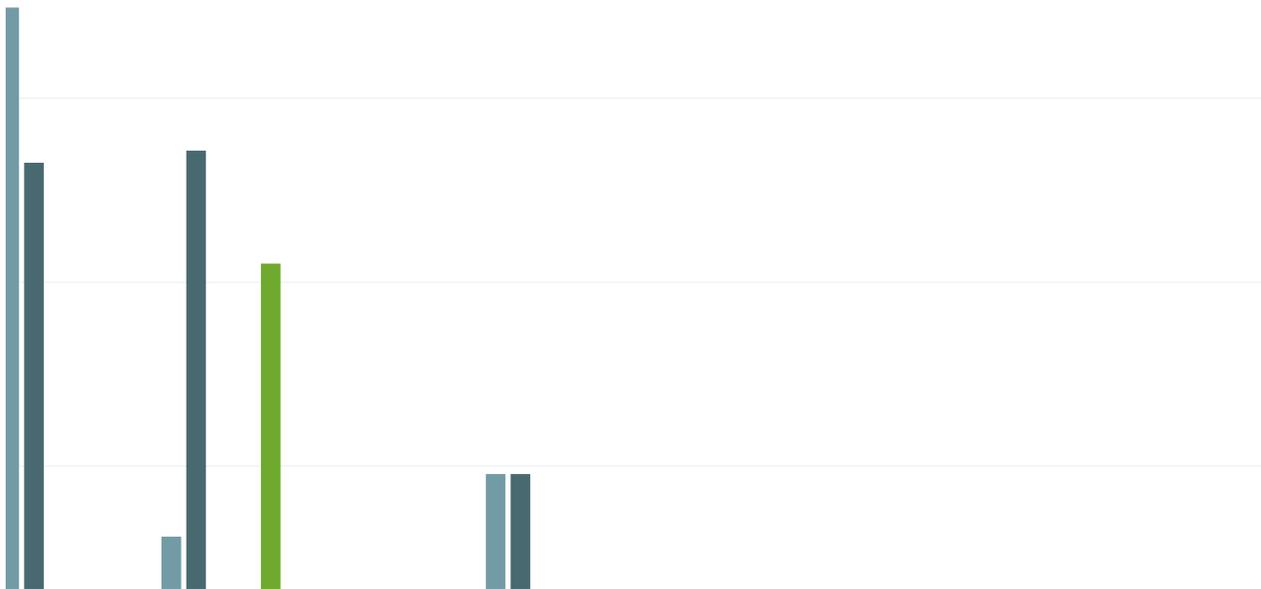
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On-site and off-site habitat rete

by category

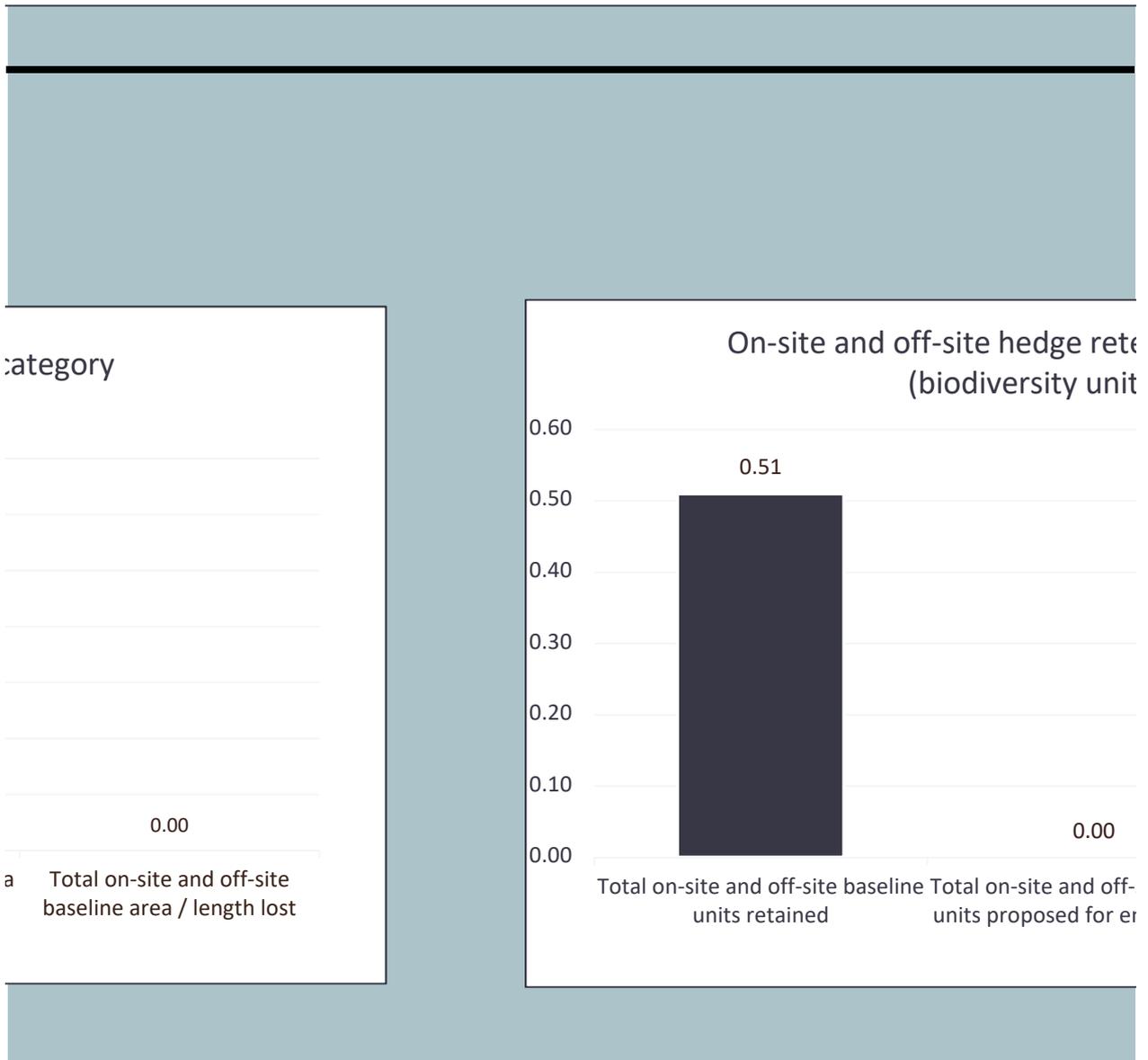


Area change by habitat group (hectares)

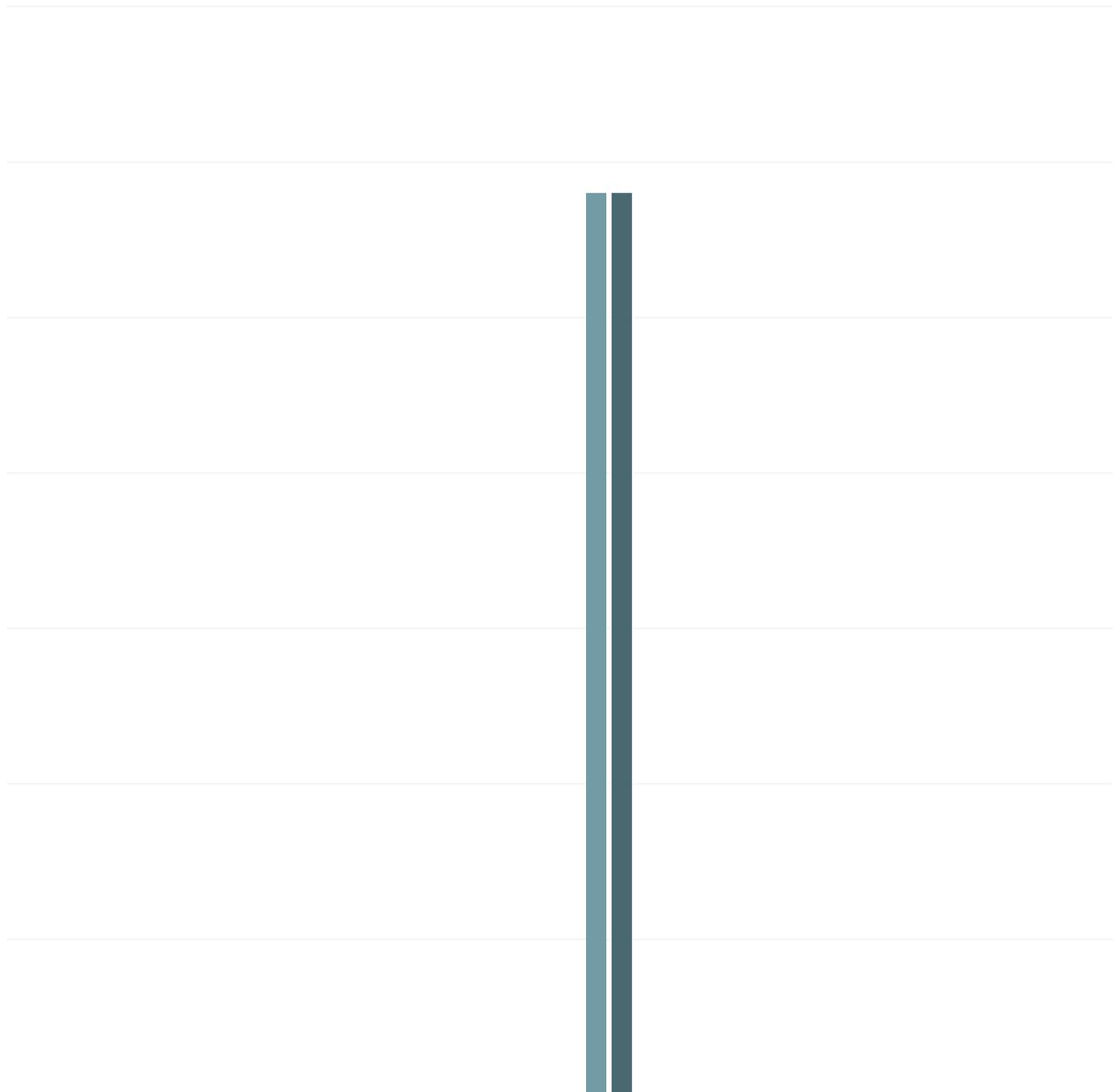




■ Existing area   
 ■ On-site proposed area   
 ■ Off-site existing area   
 ■ Off-site proposed area   
 ■ Combined



# Hedgerow length change (km)

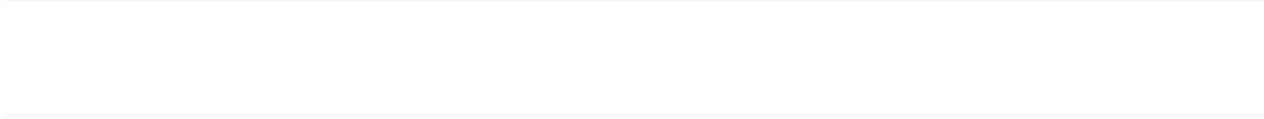


gerow Species-rich native Native hedgerow - Native hedgerow Ecologically Ecologically Native hedgerow Lin  
es - hedgerow associated with with trees valuable line of valuable line of trees - associated Native hedgerow Lin  
d with ditch bank or ditch with trees trees trees - associated with bank or ditch

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







ivers and streams

Ditches

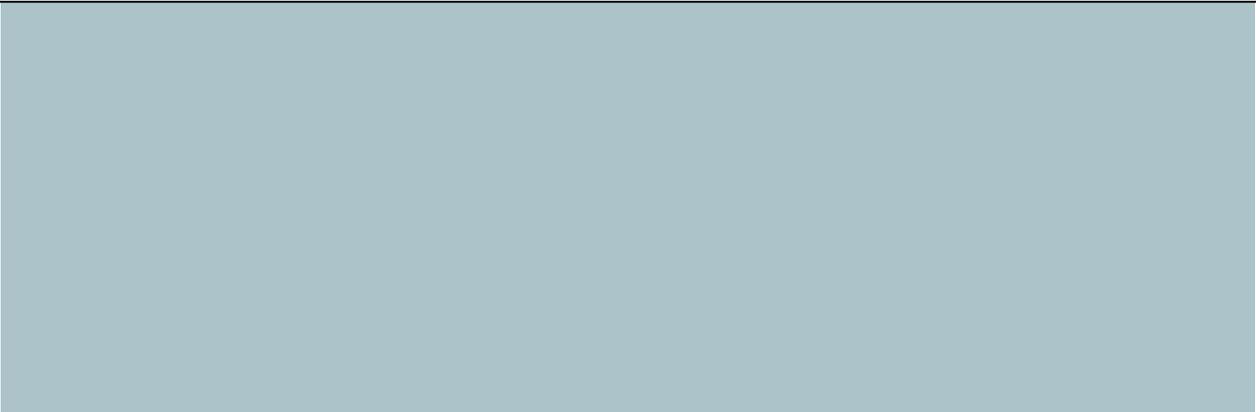
Canals

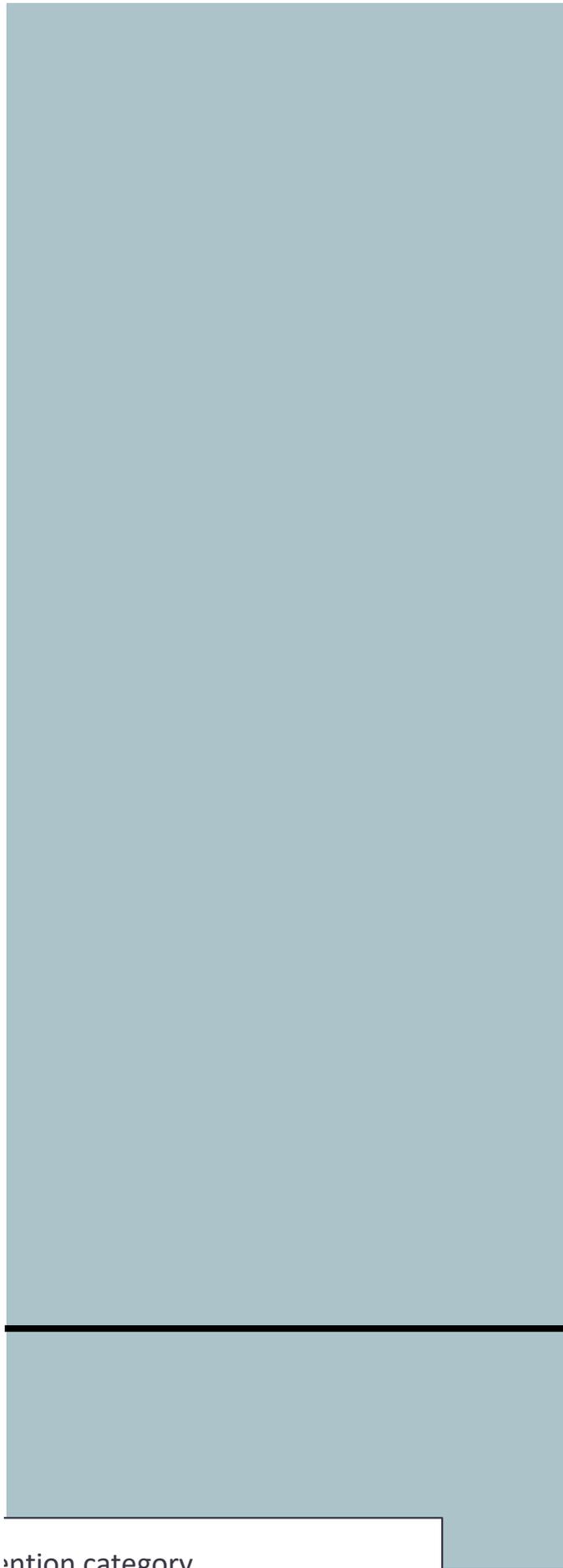
site proposed length

■ Off-site existing length

■ Off-site proposed length

■ Combined length change





ention category

ation category

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1.44

if-site  
sed for

Total on-site and off-site  
baseline units lost



s Intertidal hard structures    Watercourse footprint    Individual trees

ned area change

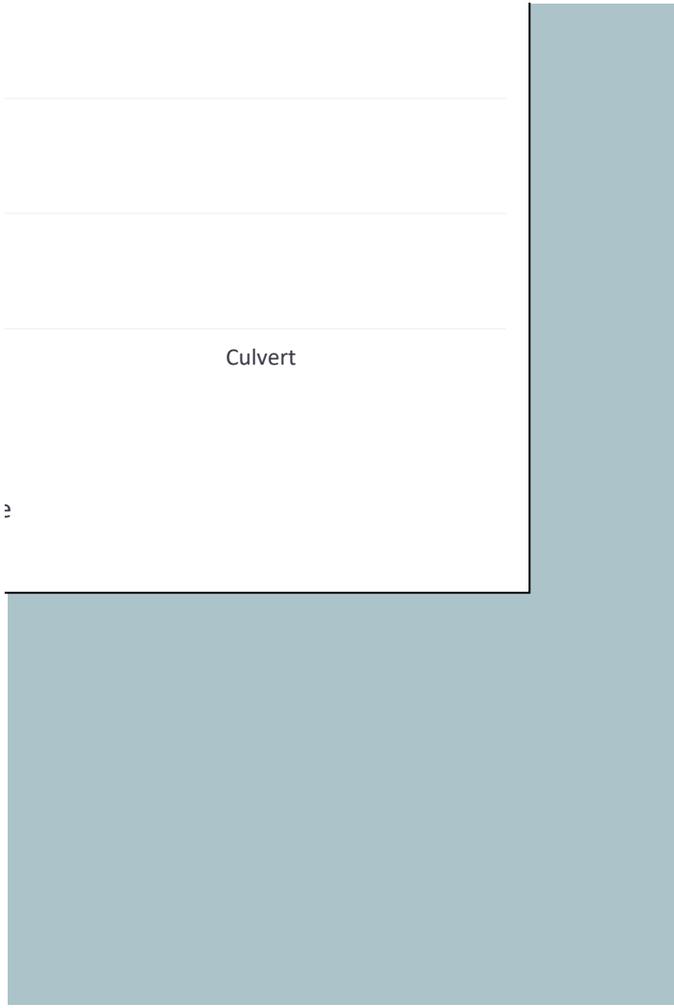
ention category  
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-site baseline Total on-site and off-site baseline  
 nhancement                      units lost







**Project Na**

**Condense**

**Ma**

Ref	Broad Habitat
1	Grassland
2	Grassland
3	Heathland and shrub
4	Sparsely vegetated land
5	Urban
6	Woodland and forest
7	Individual trees
8	Individual trees
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**Project Name**

Condense / Show C

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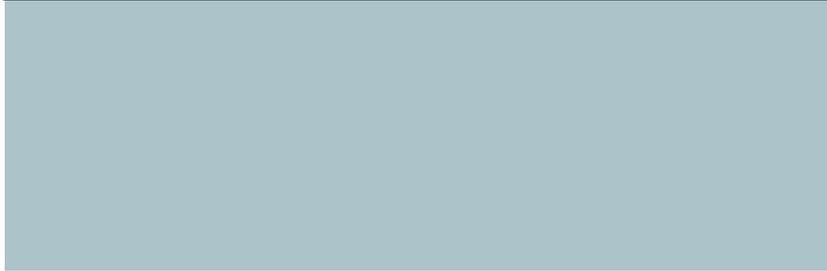




































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Units enhanced	Length lost	Units lost	User comments
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