

The Biodiversity Metric 3.1

auditing and accounting for biodiversity

Calculation Tool

[Open Tool](#)

ISBN: 978-1-78354-953-5





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 page

10585
21/12/2022

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





The Biodiversity Metric 3.1 Instruction

Double click the front page

Start page

Main menu

Natural England Joint Publication JP039

Biodiversity M

Auditing and accounting

Calculation Tool: 9

First published 21st April 2022

www.gov.uk/natural-england



- Calculation Tool

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ge below to open the file

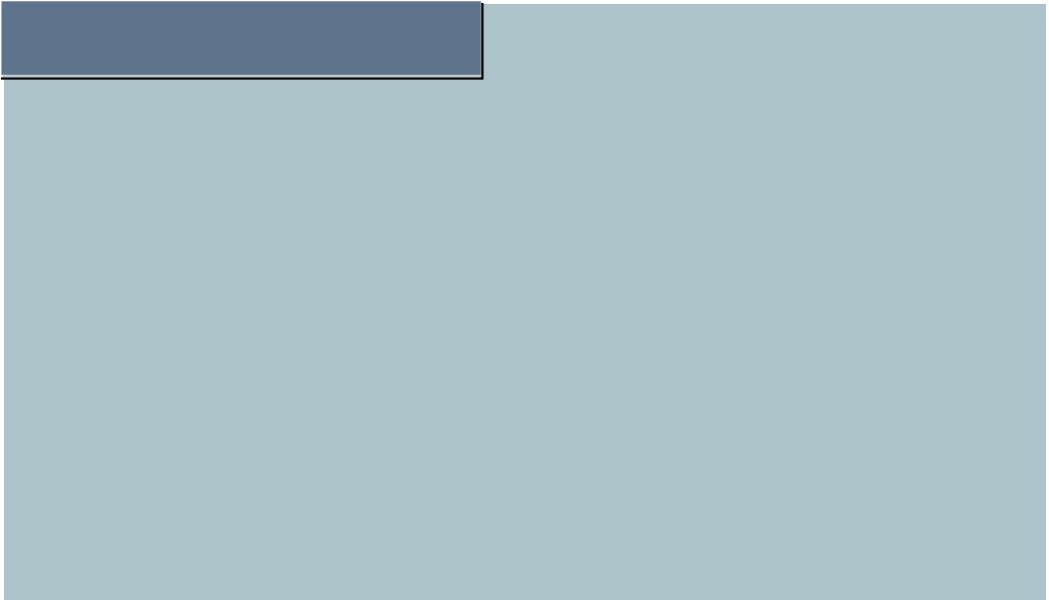
9

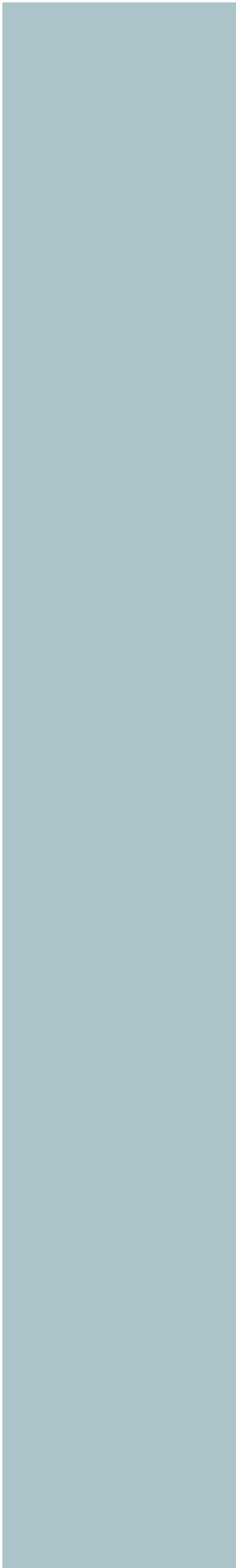
etric 3.1

for biodiversity

Short Guide









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 Hedgero
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
	0.0000		0.0000		0.0000
	0.0000		0.0000		0.0000
0	0.0000	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](#)

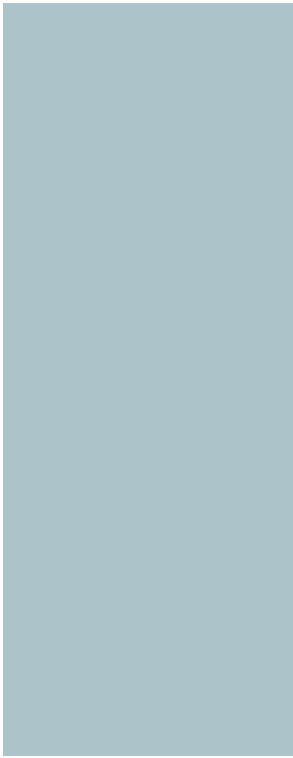
[Headline results](#)

[Detailed results](#)

lation Tool

alts

Habitat trading
summary



10585
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

11.35
1.03
0.00

6.27
0.18
0.00

-44.73%
-82.95%
0.00%

0.00
0.00
0.00

0.00
0.00
0.00

-5.08

-0.86

0.00

-44.73%

-82.95%

0.00%

ding Summary ▲





10585

Detailed Results

Summary Figures

Net project biodiversity
(including all on-site & off-site habitat re

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 ch

Area Habitats	
	Habitat group
	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
	Off site ch
	Habitat group
	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
	Combined on site and

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	Grassland
	Heathland and shrub
	Lakes
	Sparsely vegetated land
	Urban
	Wetland
	Woodland and forest
	Intertidal sediment
	Coastal saltmarsh
	Rocky shore
	Coastal lagoons
	Intertidal Hard Structures
Hedgerows and Lines of Trees	
	Hedgerows and lines of trees
	On site
	Hedgerow type
	Native Species Rich Hedgerow with trees - Associated with bank or ditch
	Native Species Rich Hedgerow with trees
	Native Species Rich Hedgerow - Associated with bank or ditch
	Native Hedgerow with trees - Associated with bank or ditch
	Native Species Rich Hedgerow
	Native Hedgerow - Associated with bank or ditch
	Native Hedgerow with trees
	Line of Trees (Ecologically Valuable)
	Line of Trees (Ecologically Valuable) - with Bank or Ditch
	Native Hedgerow
	Line of Trees
	Line of Trees - Associated with bank or ditch
	Hedge Ornamental Non Native

Hedgerows and Lines of Trees	
	Off site
	Hedgerow type
	Native Species Rich Hedgerow with trees - Associated with bank or ditch
	Native Species Rich Hedgerow with trees
	Native Species Rich Hedgerow - Associated with bank or ditch
	Native Hedgerow with trees - Associated with bank or ditch
	Native Species Rich Hedgerow
	Native Hedgerow - Associated with bank or ditch
	Native Hedgerow with trees
	Line of Trees (Ecologically Valuable)
	Line of Trees (Ecologically Valuable) - with Bank or Ditch
	Native Hedgerow
	Line of Trees
	Line of Trees - Associated with bank or ditch
	Hedge Ornamental Non Native
	Combined on and
Hedgerows and Lines of Trees	Hedgerow type
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	Line of Trees (Ecologically Valuable) - with Bank or Ditch
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	Line of Trees
	Line of Trees - Associated with bank or ditch
	Hedge Ornamental Non Native

Rivers and Streams	Rivers and Streams	
	On site	
	River type	
	Priority Habitat	
	Other Rivers and Streams	
	Ditches	
	Canals	
	Culvert	
Rivers and Streams	Off site	
	River type	
	Priority Habitat	
	Other Rivers and Streams	
	Ditches	
	Canals	
	Culvert	
	Combined on a	

Rivers and Streams	
	River type
	Priority Habitat
	Other Rivers and Streams
	Ditches
	Canals
	Culvert

Return to results menu

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

r % change (+ Retained Habitats)	<i>Habitat units</i>
	<i>Hedgerow units</i>
	<i>River units</i>

habitat retention and enhancement

	Habitats	Hedgerows
	4.05	0.26
	11.35	1.03

	0.42	0.04
	3.25	0.18

	0.01	0.00
	0.05	0.00

	3.61	0.21
	8.05	0.86

ange by broad habitat type

Baseline		Post development on site		Onsite
Existing area	Existing value	Proposed area	Proposed value	Area change
0.00	0.00	0.00	0.00	0.00
0.11	0.21	0.19	1.15	0.09
0.08	0.32	0.17	1.02	0.09
0.00	0.00	0.00	0.00	0.00
0.05	0.09	0.00	0.00	-0.05
3.55	8.58	3.87	3.24	0.32
0.00	0.00	0.00	0.00	0.00
0.27	2.15	0.11	0.86	-0.16
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00

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Change by broad habitat type

Baseline		Post development 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

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On site and off site change by broad habitat type

Baseline	On-site and Off-site post development	Combined
----------	---------------------------------------	----------

Existing area	Existing value	Combined proposed area	Combined proposed value	Proposed area
0.00	0.00	0.00	0.00	0.00
0.11	0.21	0.19	1.15	0.09
0.08	0.32	0.17	1.02	0.09
0.00	0.00	0.00	0.00	0.00
0.05	0.09	0.00	0.00	-0.05
3.55	8.58	3.87	3.24	0.32
0.00	0.00	0.00	0.00	0.00
0.27	2.15	0.11	0.86	-0.16
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00

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S

change by hedgerow type

Baseline		Post development on site		Onsite
Existing length on-site	Existing value	Proposed length on-site	Proposed value on-site	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
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.26	1.03	0.04	0.18	-0.21
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00

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change by hedgerow type

Off site baseline		Post development off site		Off site
Existing length off-site	Existing value off-site	Proposed length off-site	Proposed value off-site	Off-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
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00

l off site change by hedgerow type

Baseline		Post development on site		Onsite
Existing length	Existing value	Proposed length	Proposed value	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
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.26	1.03	0.04	0.18	-0.21
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00

Onsite change by river type

Baseline		Post development on site		Onsite
Existing length	Existing value	Proposed length	Proposed value	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

Offsite change by river type

Baseline		Post development off-site		Off-site
Existing length off-site	Existing value off-site	Proposed length off-site	Proposed value off-site	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

On and off site change by river type

Baseline		Post development on site		Onsite
Existing length	Existing value	Proposed length	Proposed value	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



-5.08
-0.86
0.00

-44.73%
-82.95%
0.00%

Rivers
0.00
0.00

0.00
0.00

0.00
0.00

0.00
0.00

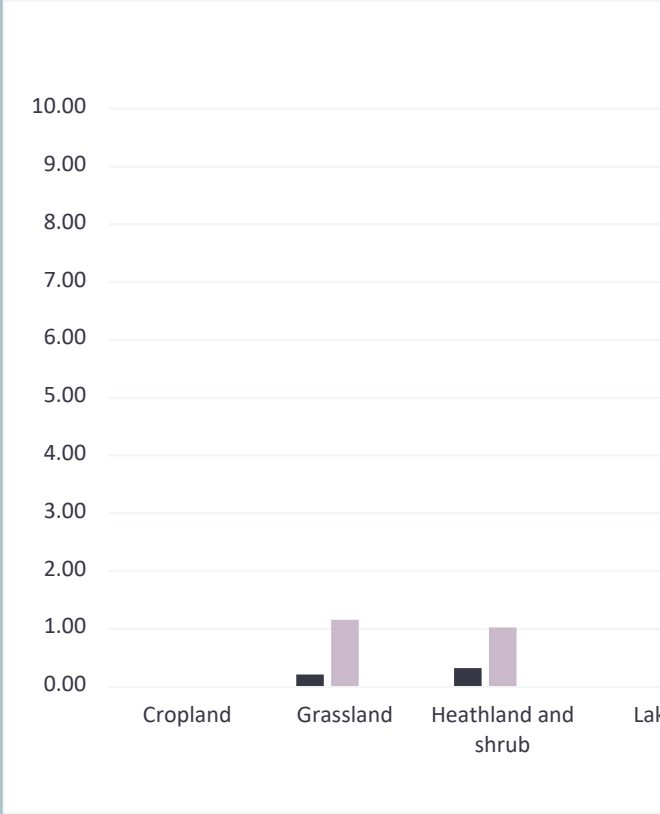
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Onsite Unit change
0.00
0.94
0.70
0.00
-0.09
-5.34
0.00
-1.29
0.00
0.00
0.00
0.00
0.00

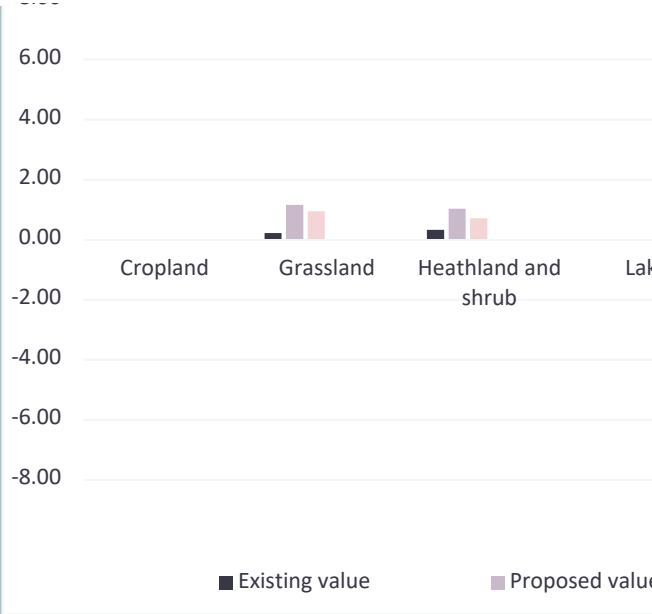
Combined area lost by distribution	
Category	Area lost (hectares)
V.High	0
High	0
Medium	0.2071
Low	3.2688
V.Low	0.1382

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



Combined change

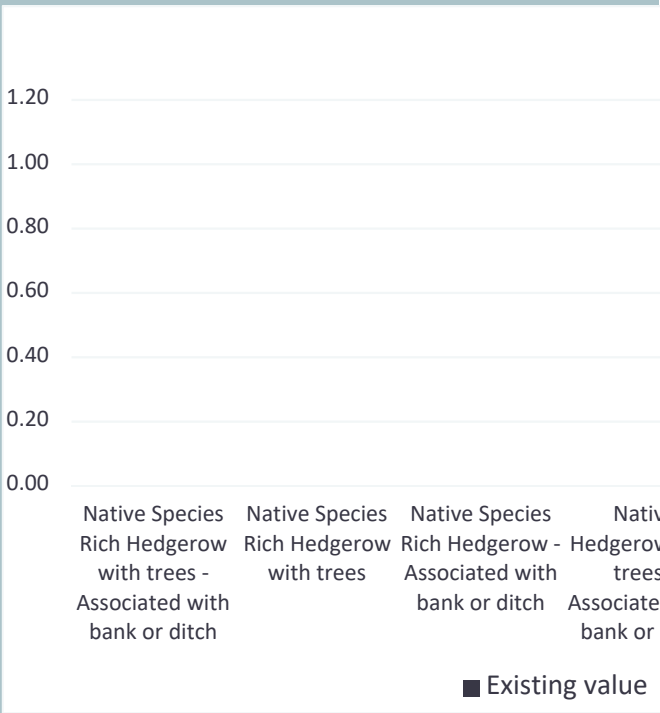
Proposed value
0.00
0.94
0.70
0.00
-0.09
-5.34
0.00
-1.29
0.00
0.00
0.00
0.00
0.00
0.00



On-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
-0.86
0.00
0.00

Combined length lost by distribution	
Category	Length lost (KM)
V.High	0
High	0
Medium	0
Low	0.214
V.Low	0

Value 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



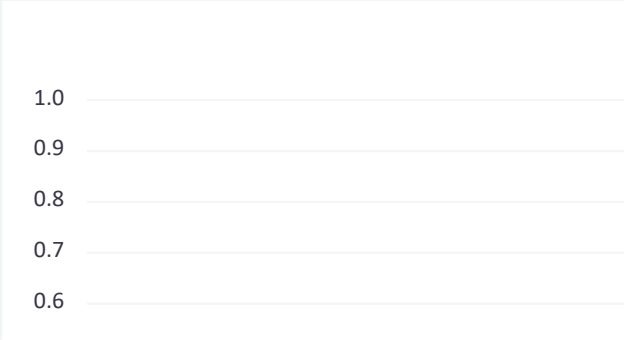
Value Change
Onsite Unit change
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
-0.86
0.00
0.00



Change
Onsite Unit change
0.0
0.0
0.0
0.0
0.0

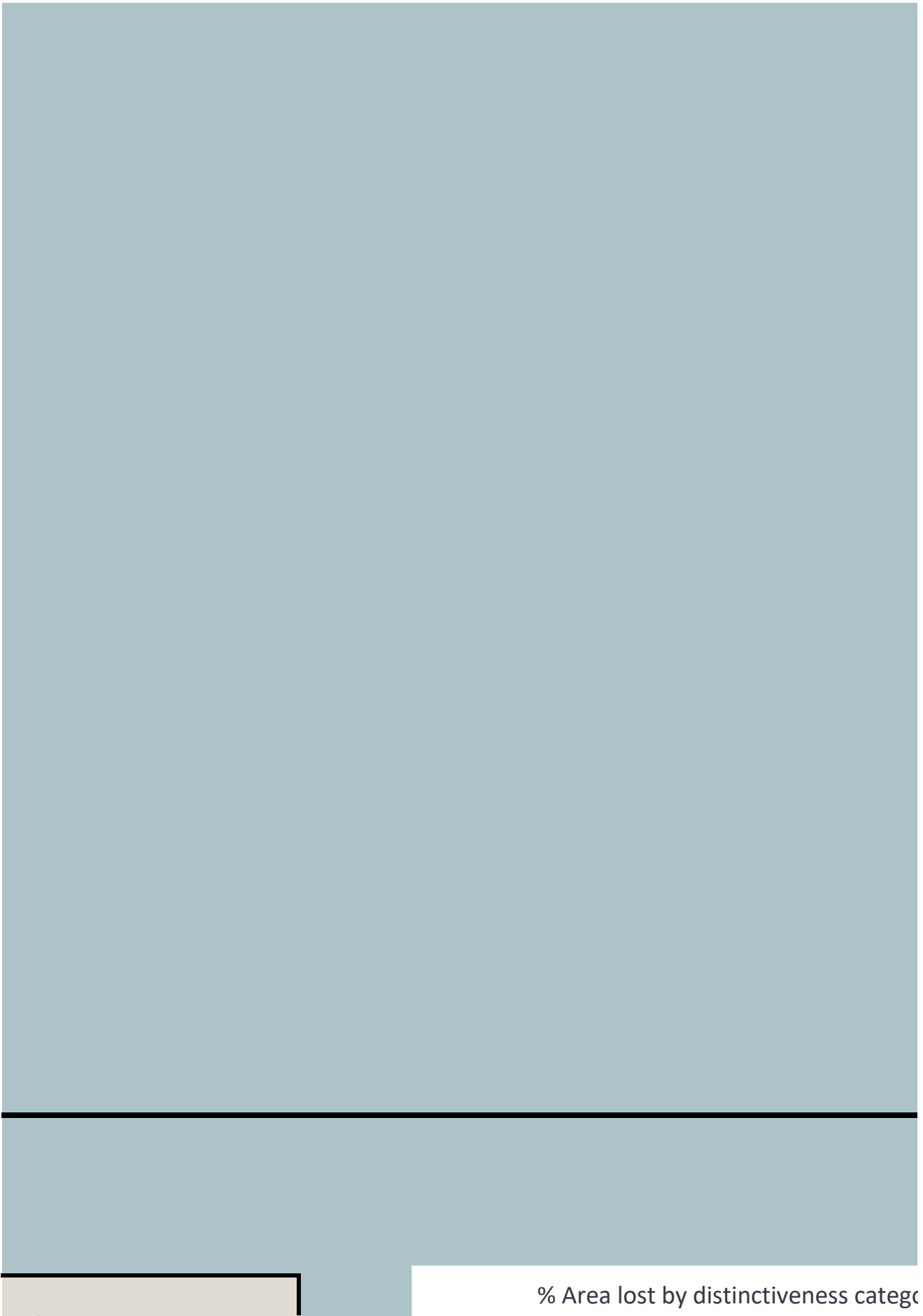
Combined length lost by distribution	
Category	Length lost (KM)
V.High	0
High	0
Medium	0
Low	0

Change
Off-site unit change
0.0
0.0
0.0
0.0
0.0

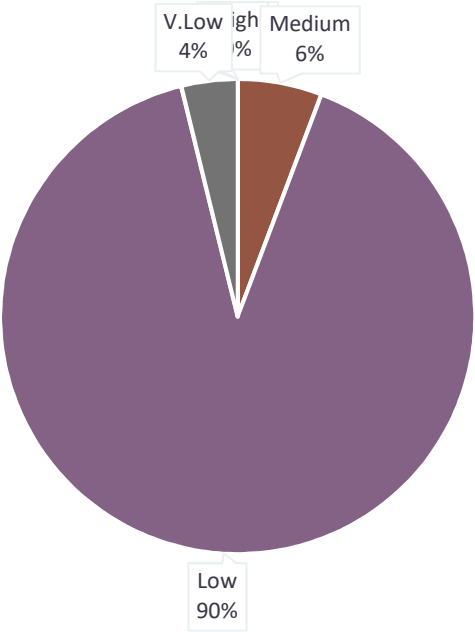
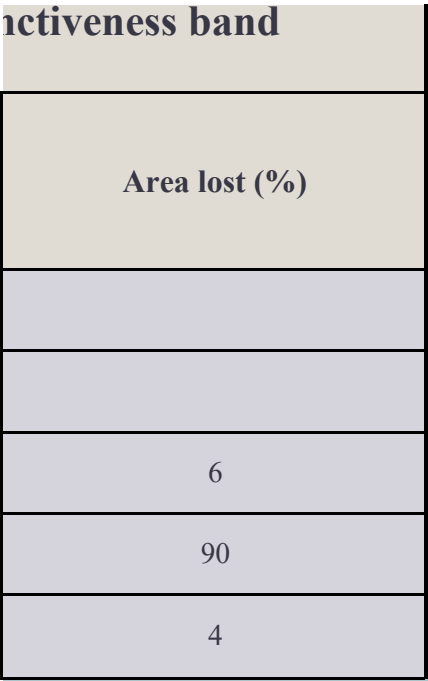


Change
Onsite Unit change
0.0
0.0
0.0
0.0
0.0

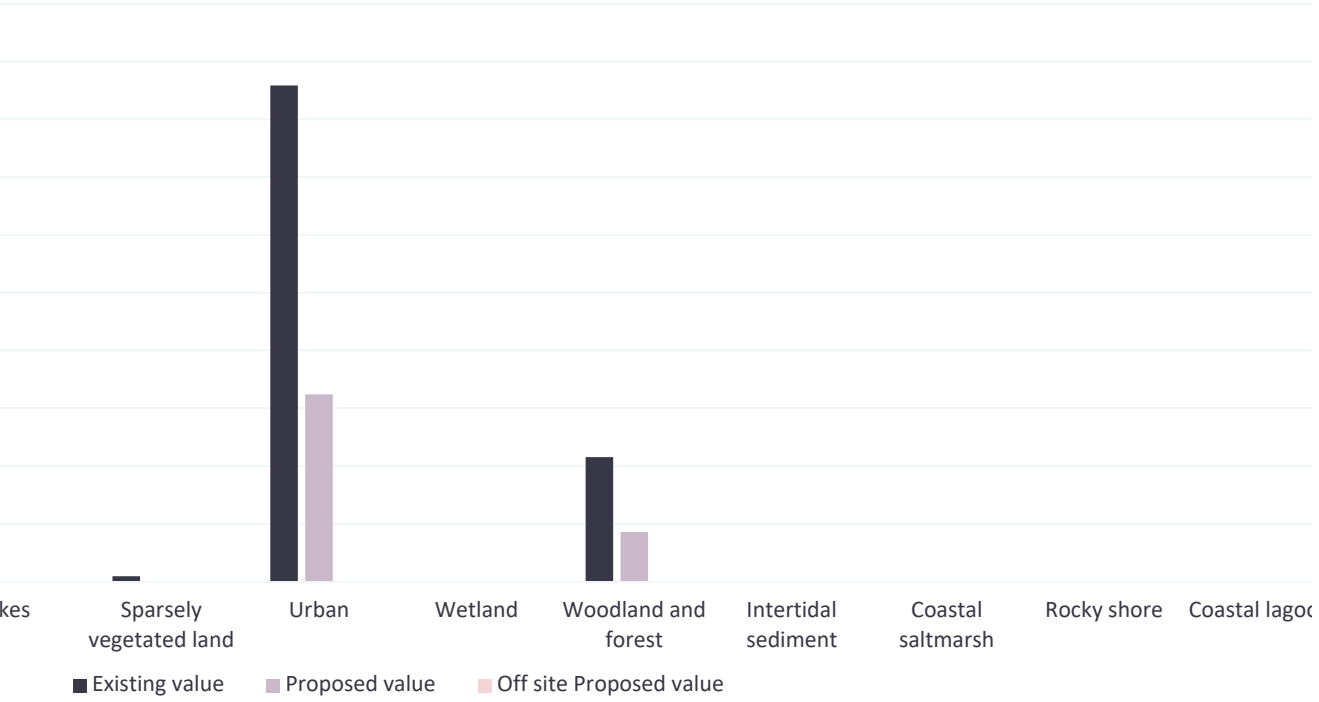




% Area lost by distinctiveness category

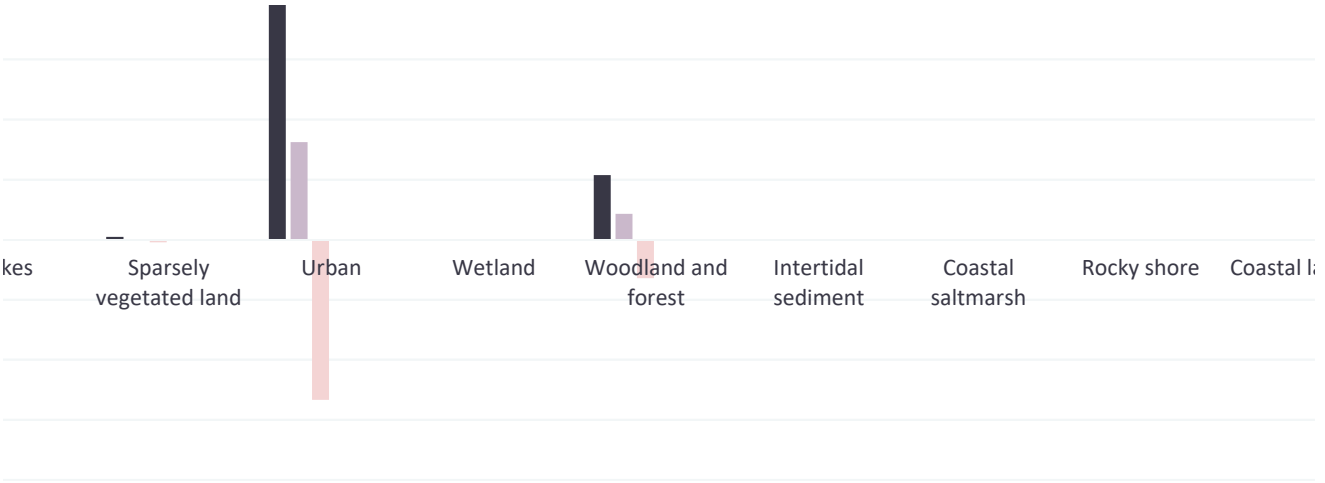


Unit change by habitat group



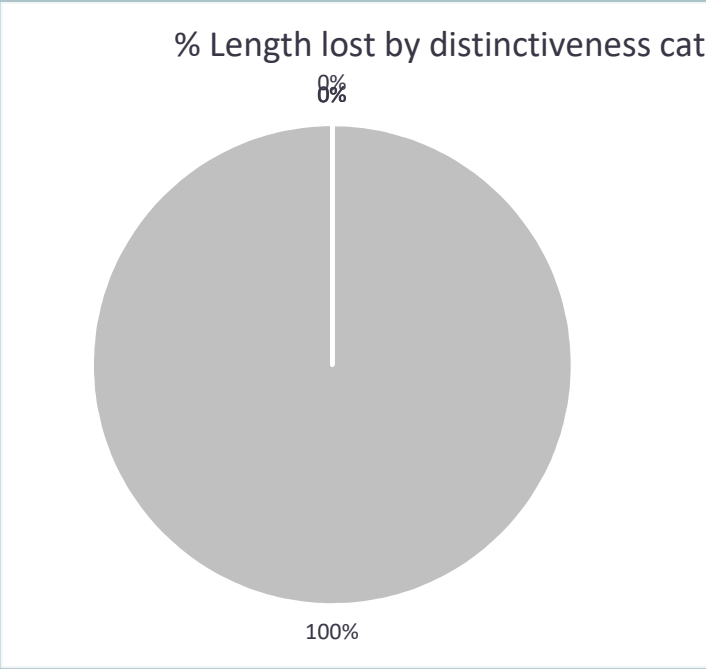
Combined Biodiversity Unit change

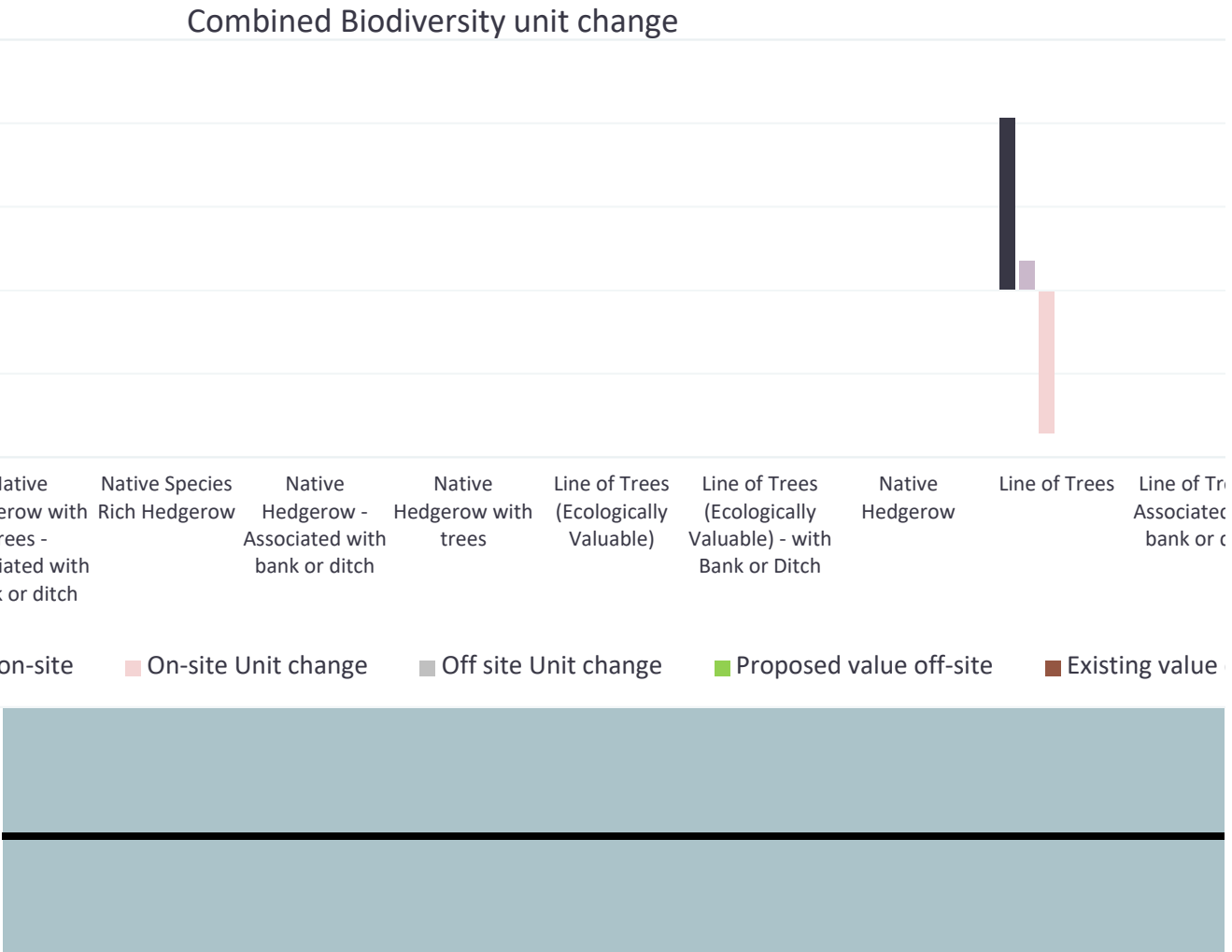
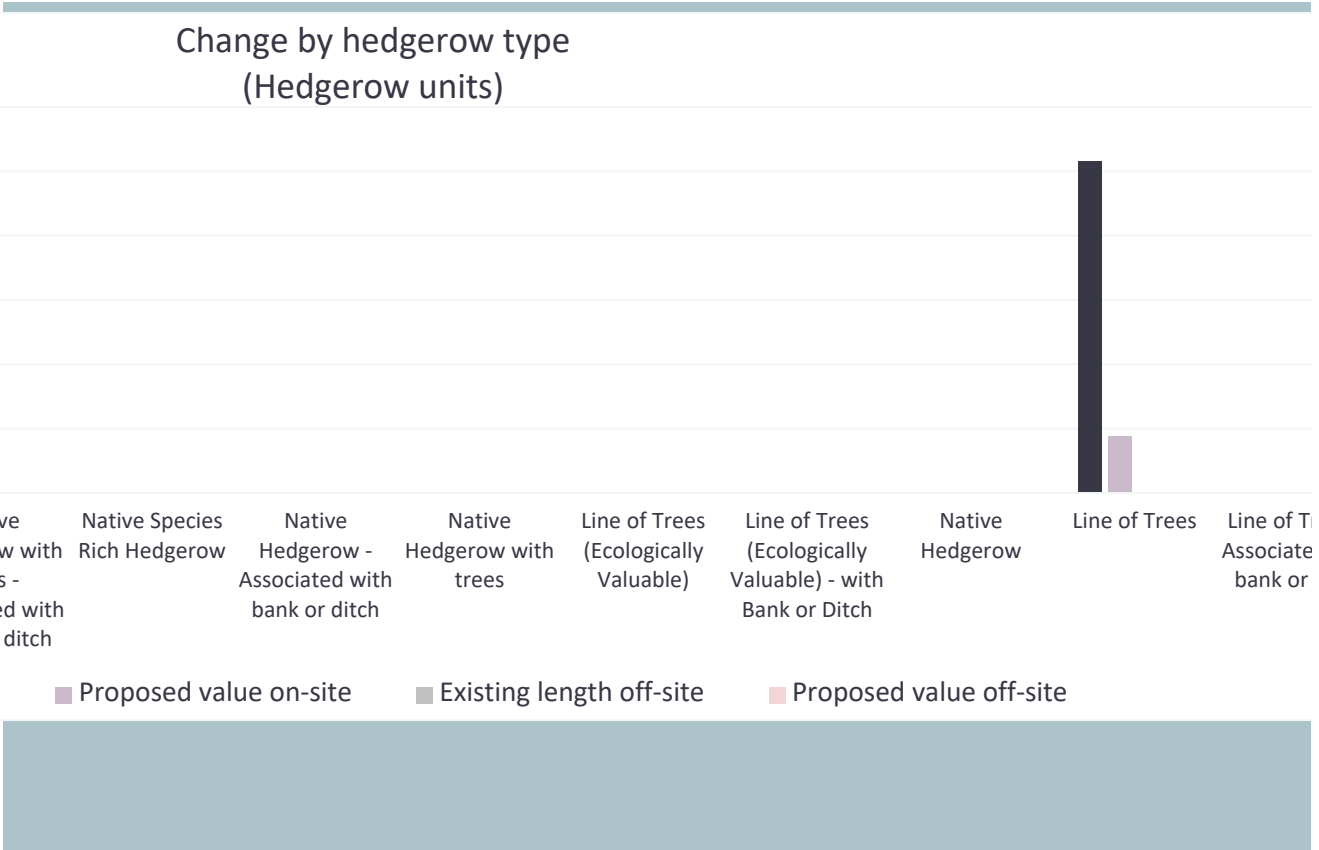


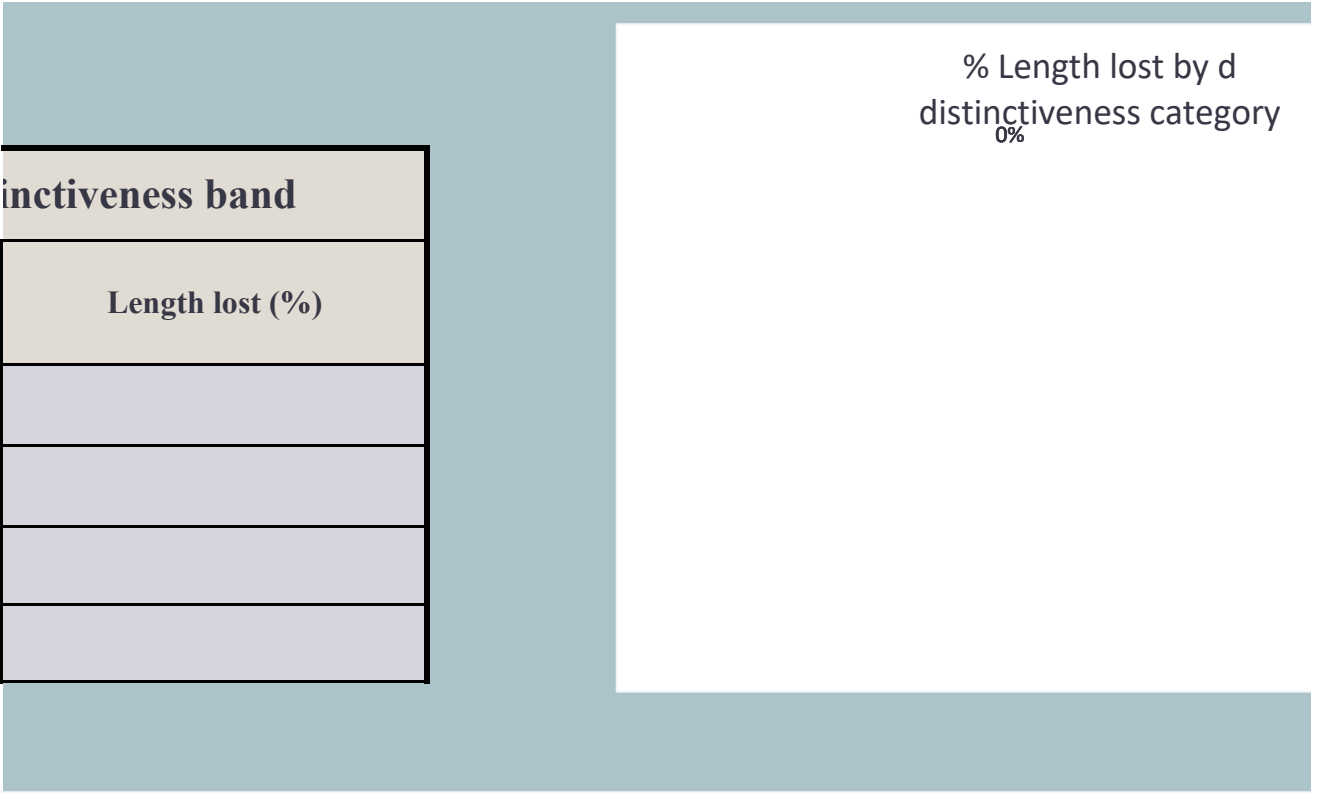


Legend: Onsite Unit change (pink), Off-site unit change (grey), Off site Proposed value (green), Off-site Existir (brown)

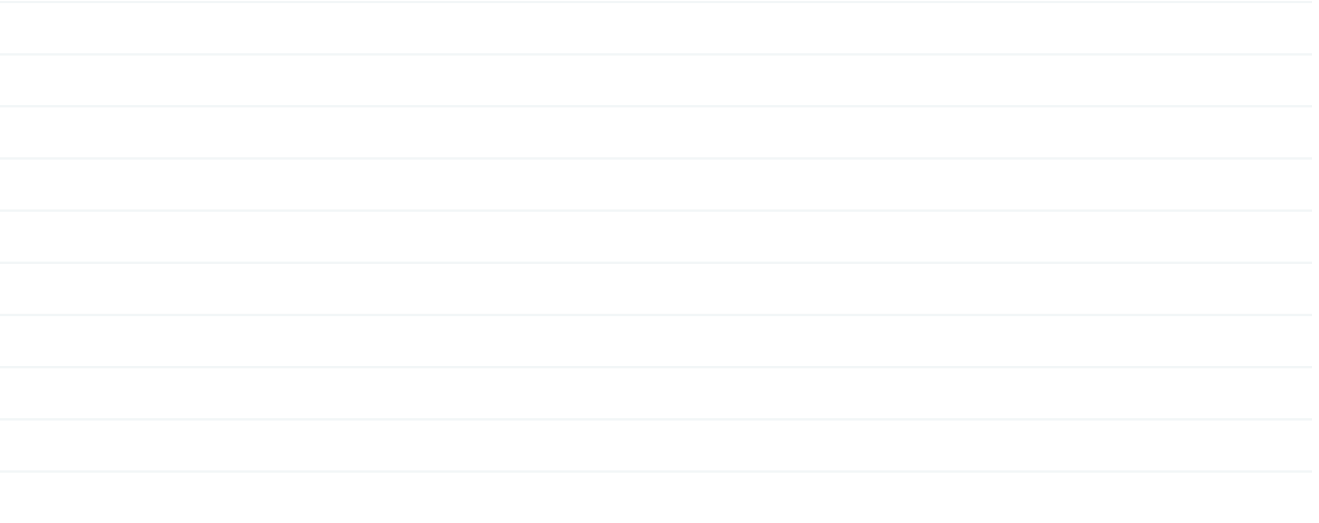
Distinctiveness band
Length lost (%)
100



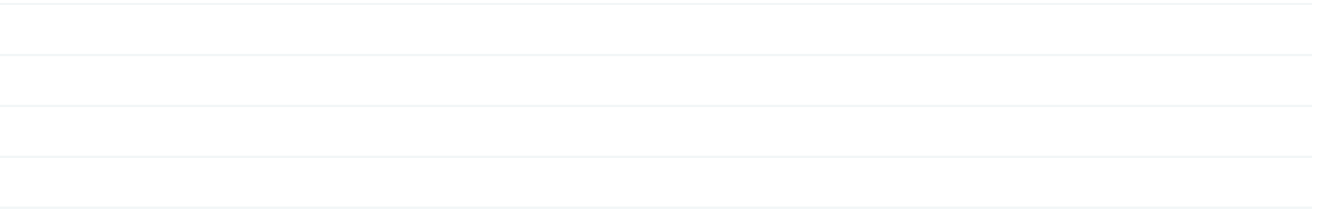




Unit change by river type



oposed value Existing value off-site Proposed value off-site



Other Rivers and Streams

Ditches

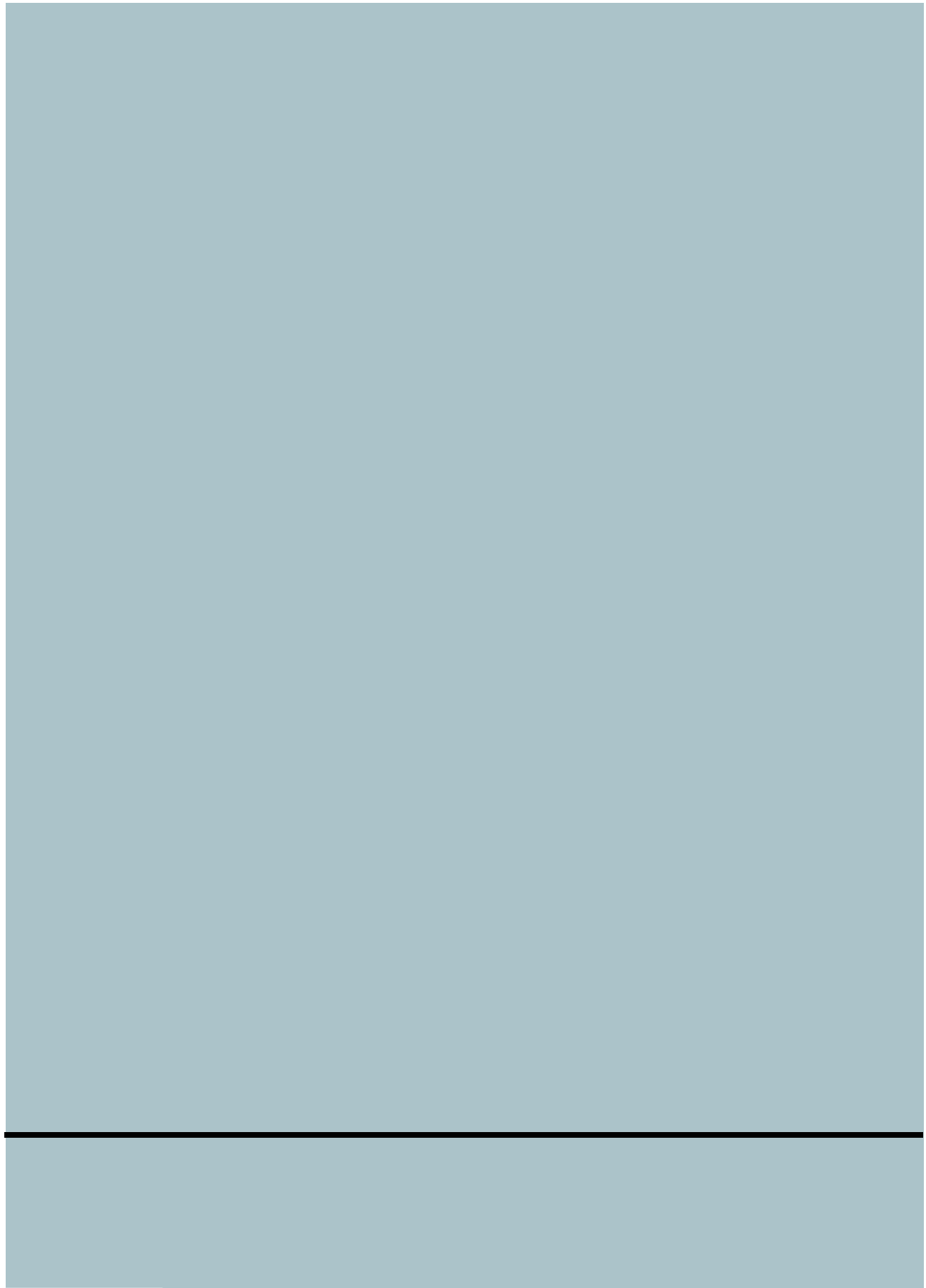
Canals

■ Onsite Unit change

- Existing value off-site

- Proposed value off-site

- Off-site



■ V.High

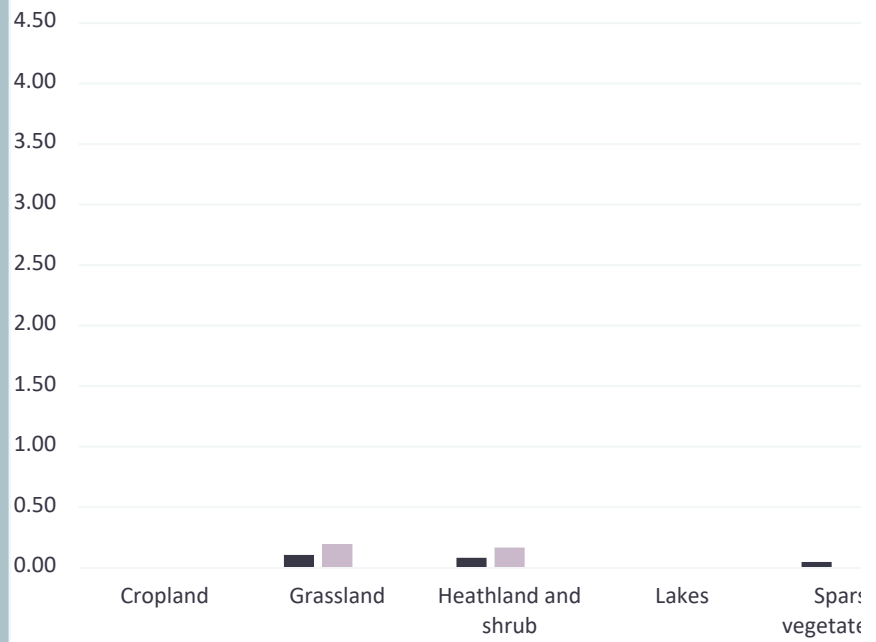
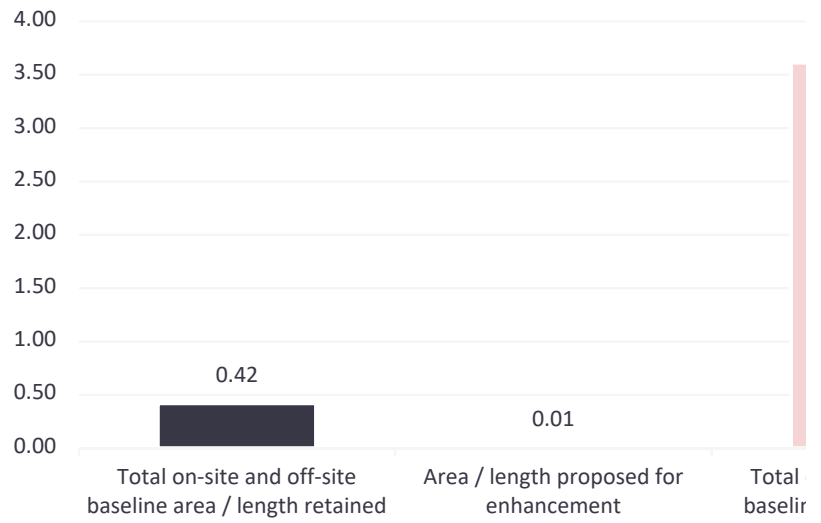
■ High

■ Medium

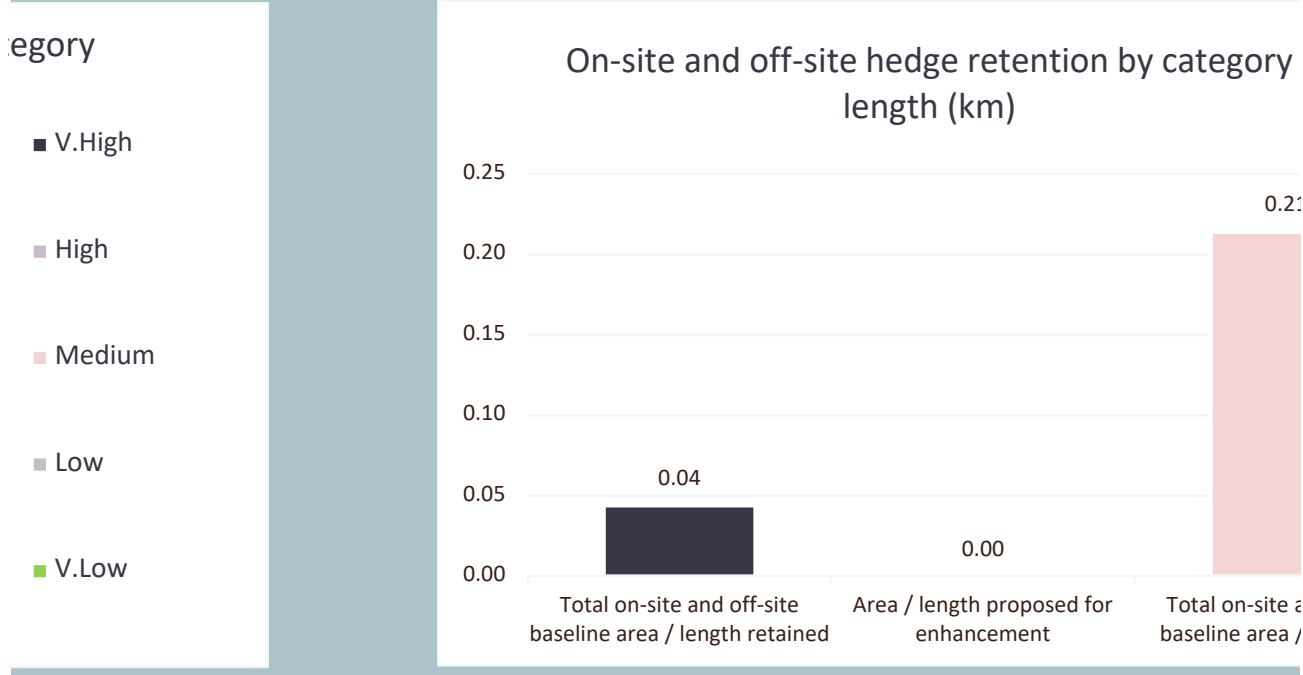
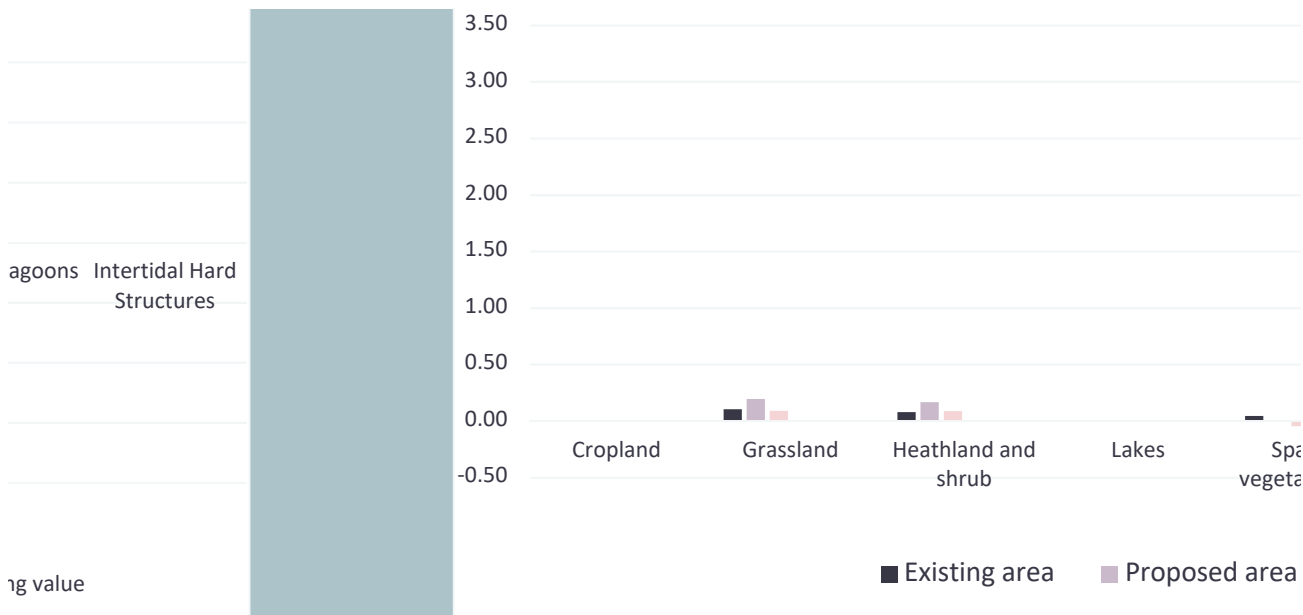
■ Low

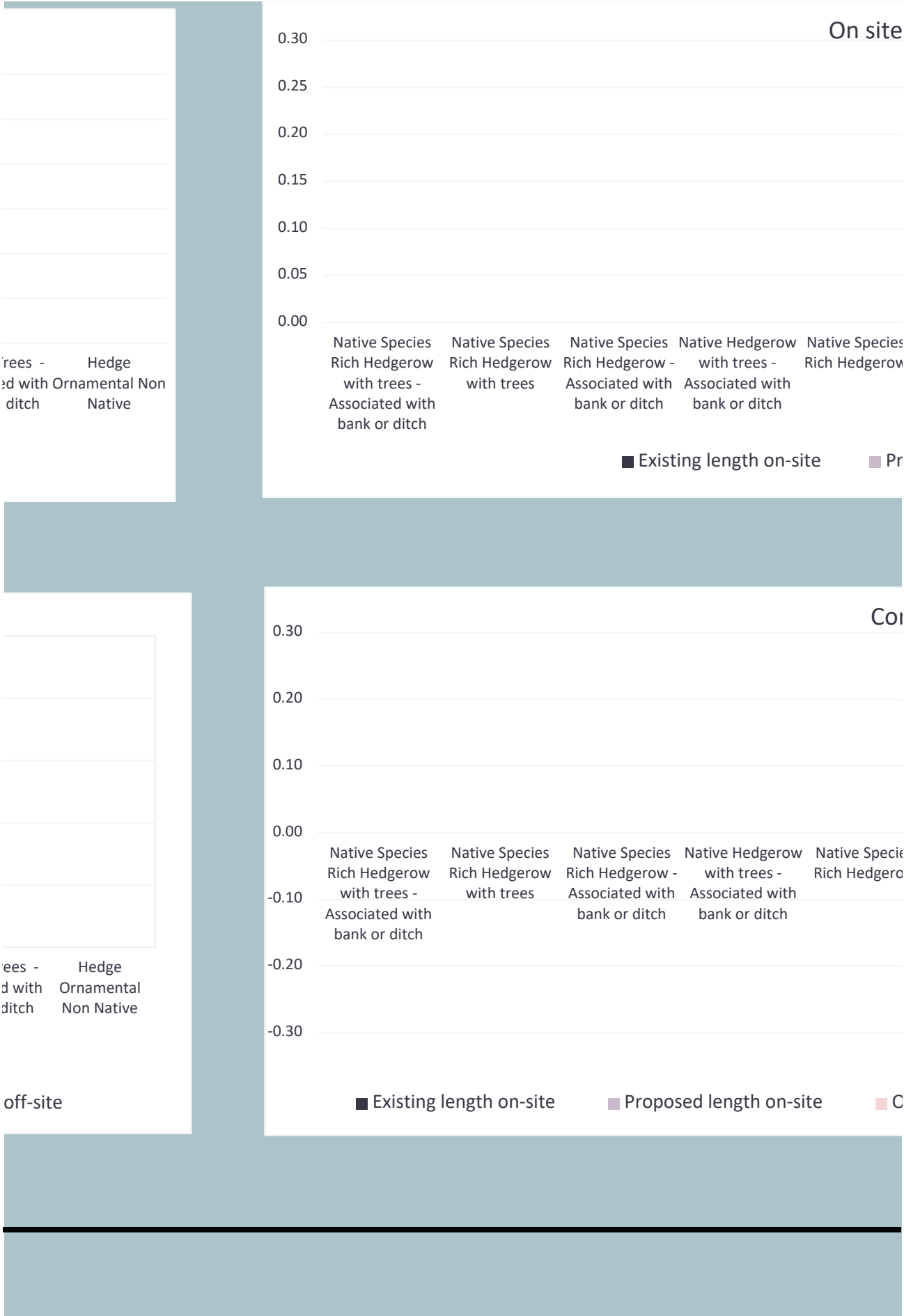
■ V.Low

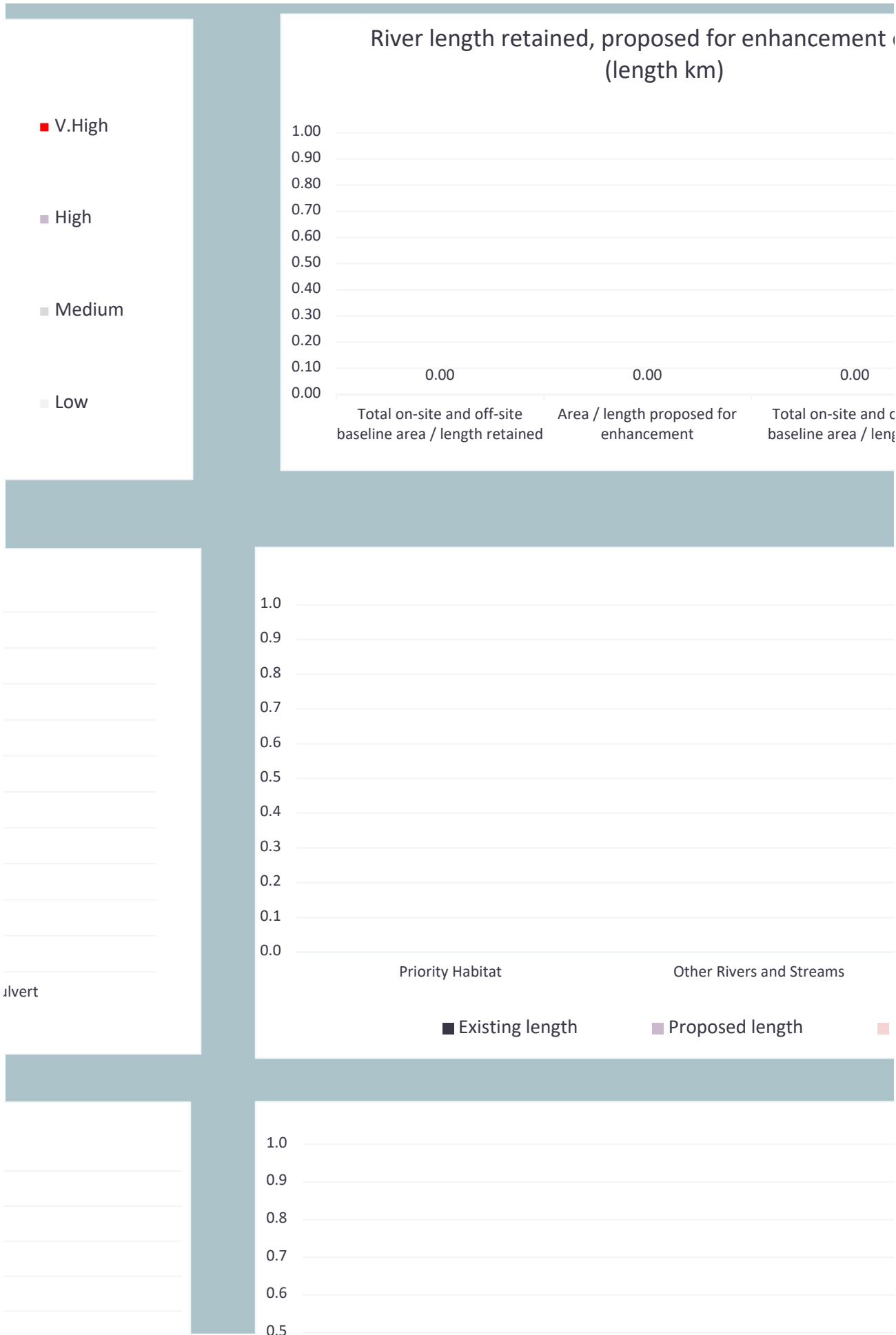
On site and off site habitat retention by catchment area (hectares)



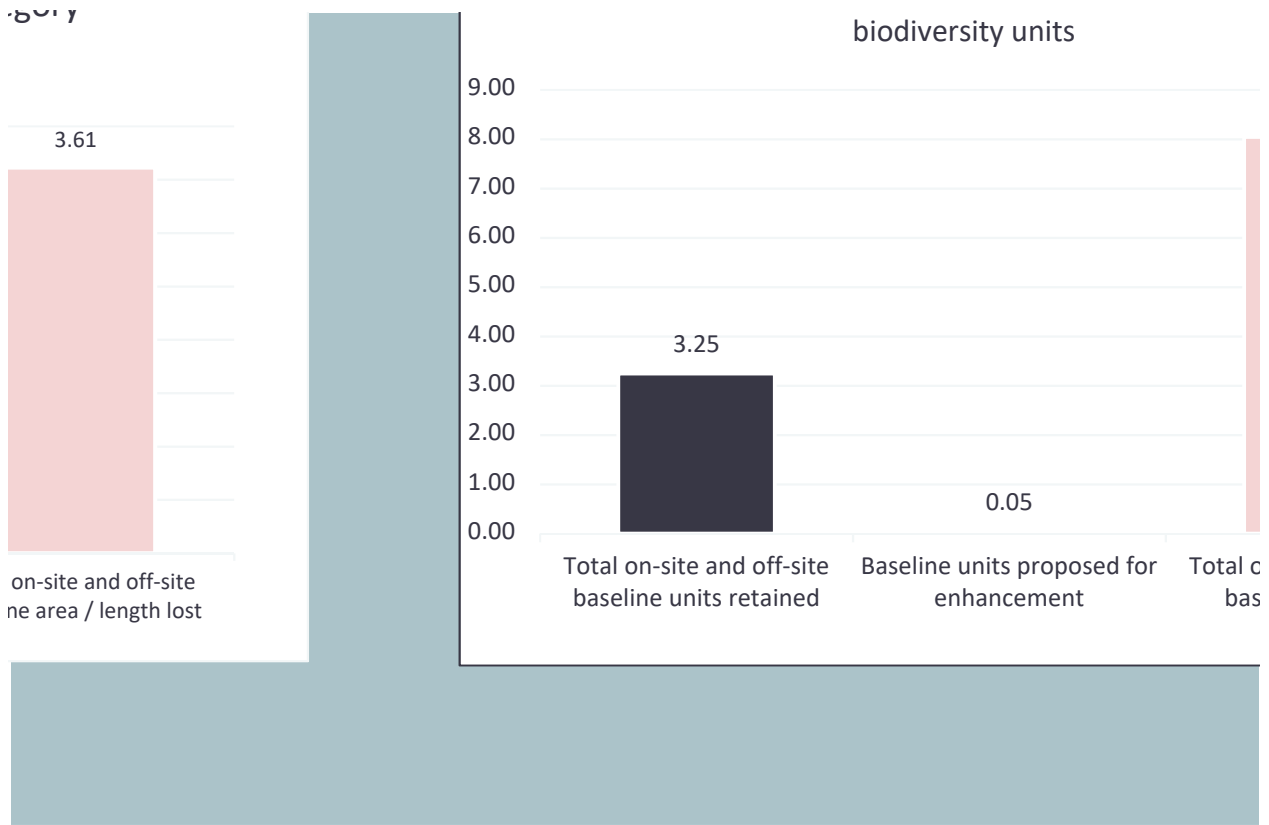
■ Existing area



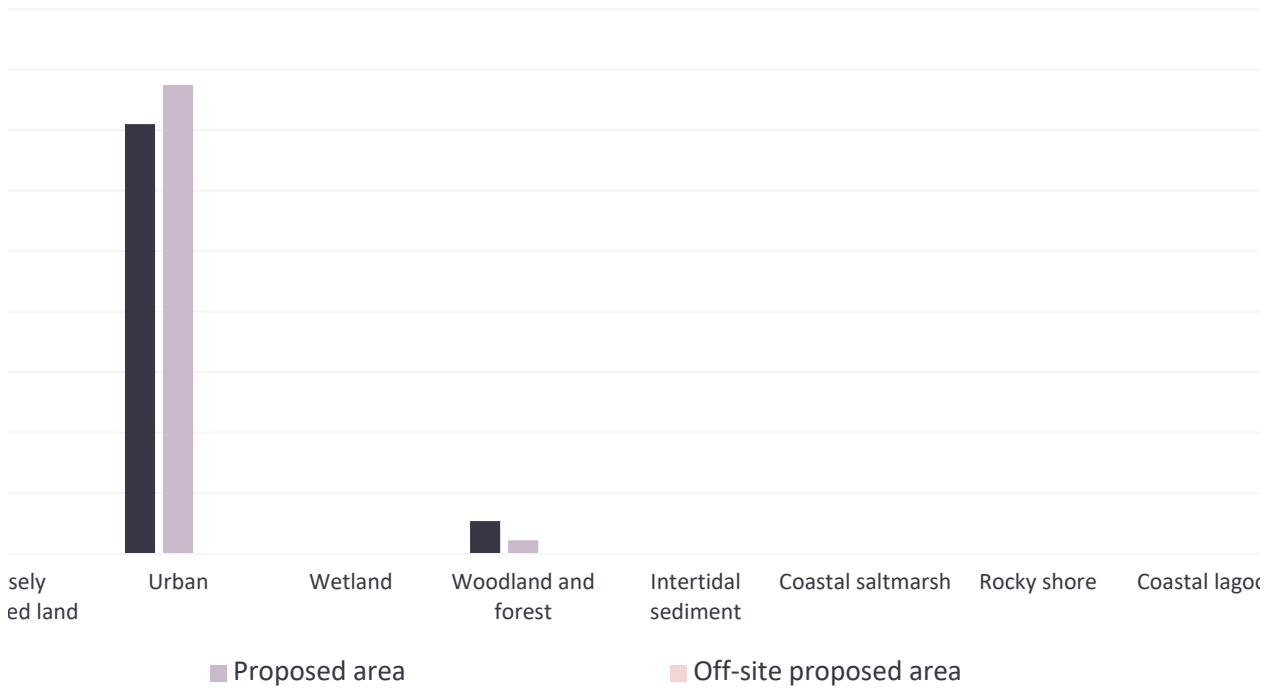






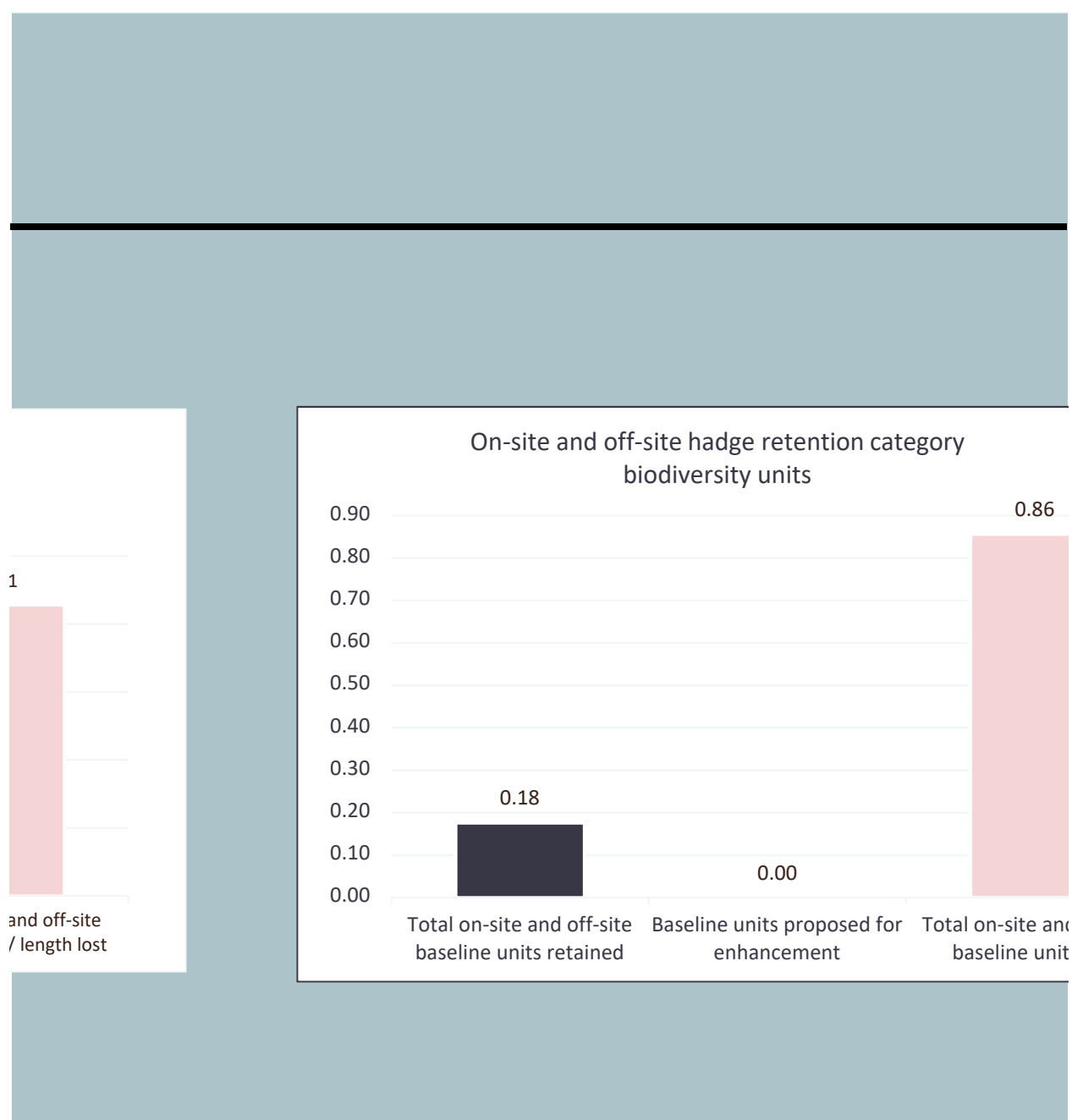
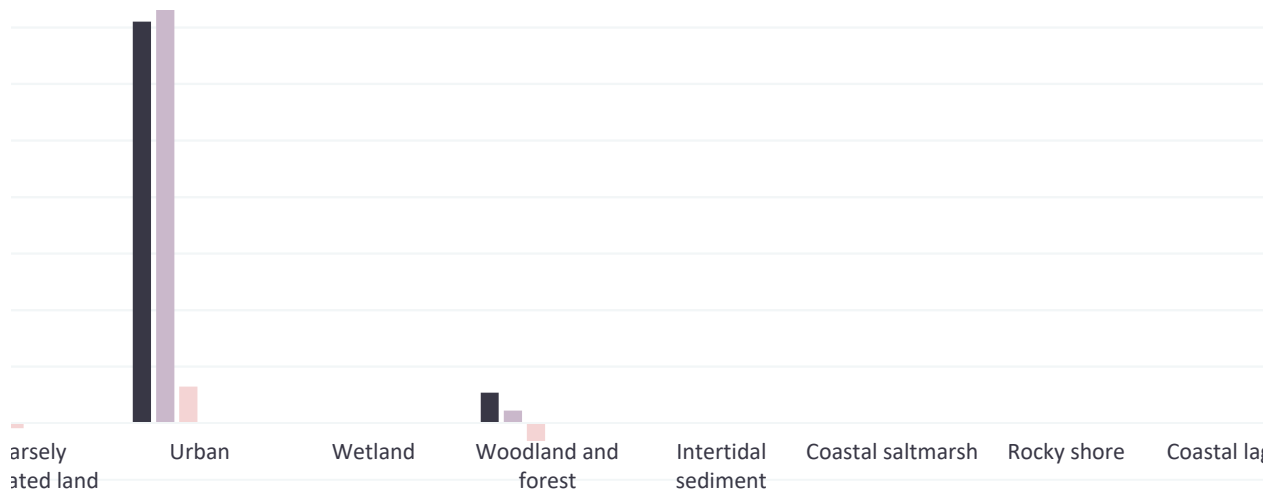


On site area change by habitat group

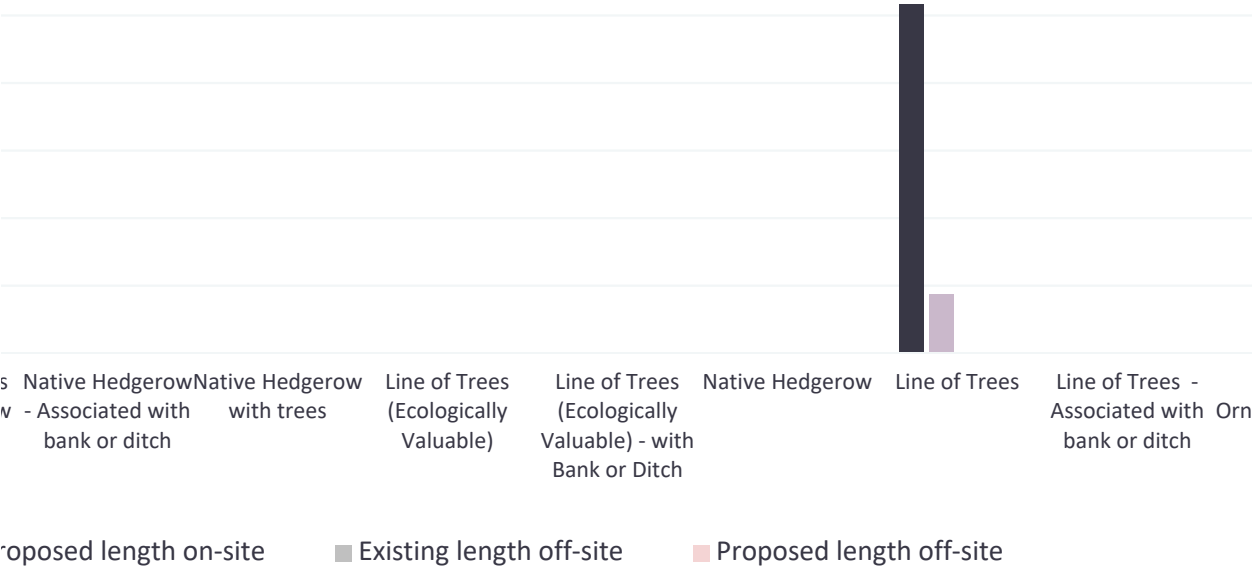


Combined habitat area change

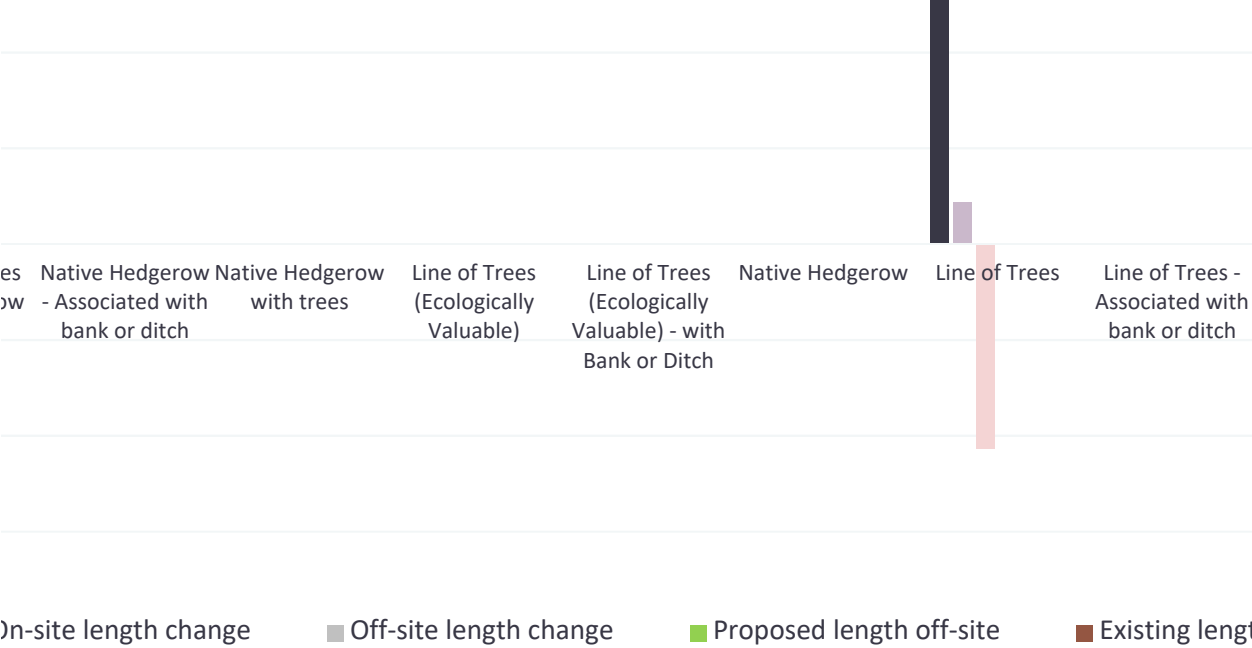


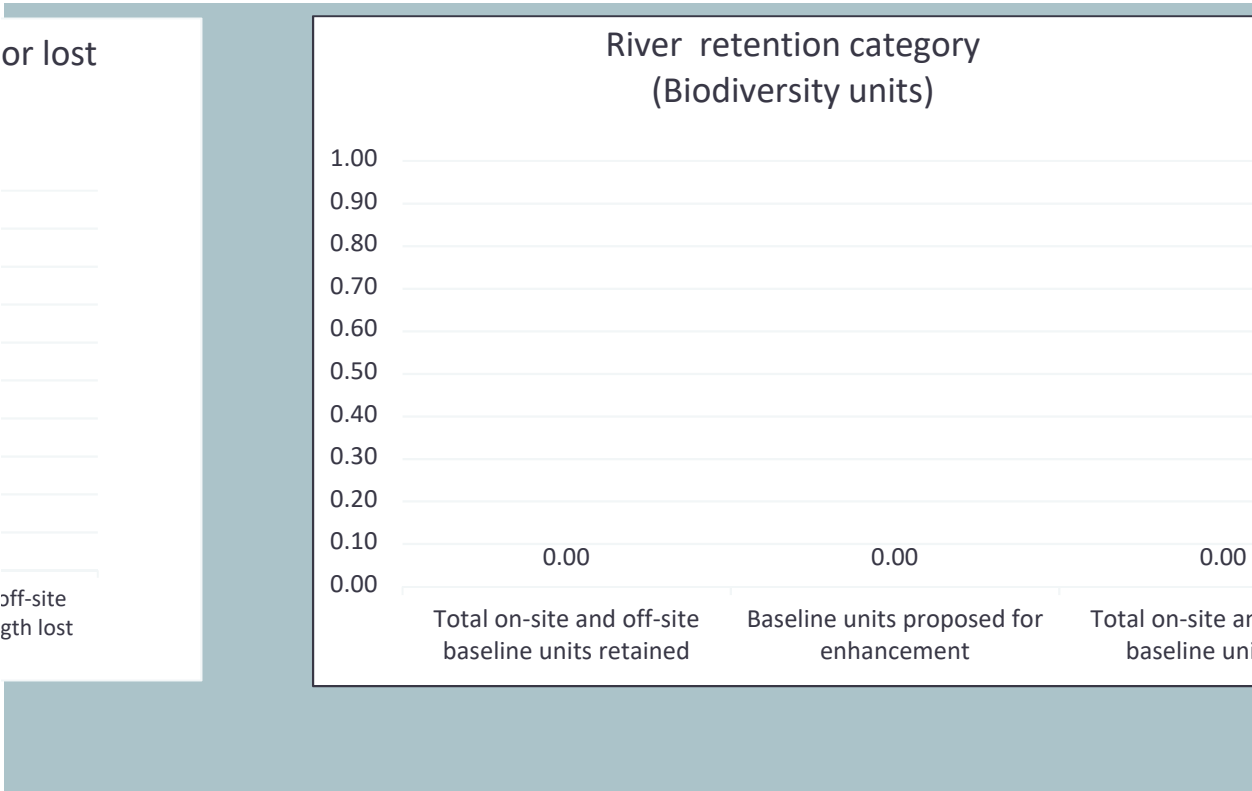


Length change by hedgerow length (km)

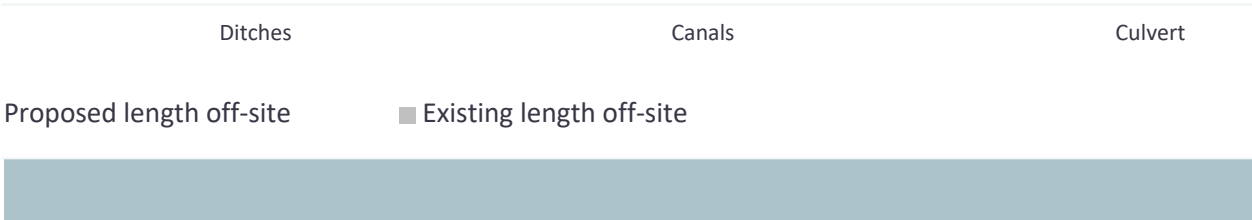
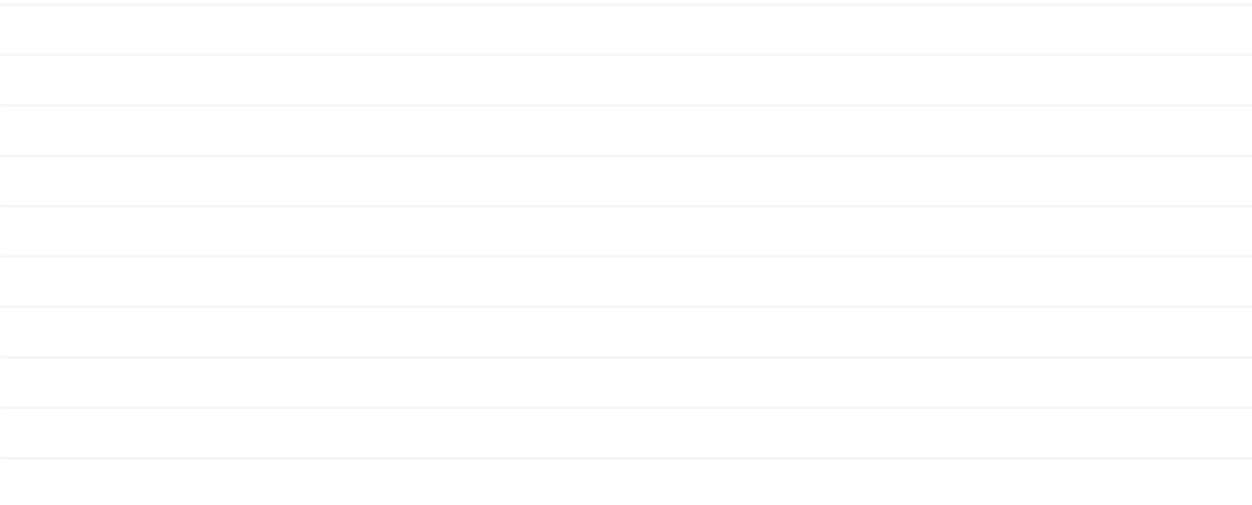


Combined hedgerow length change (km)

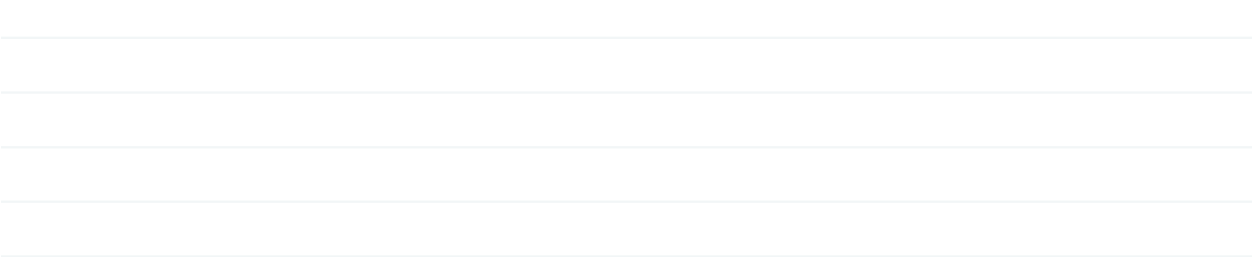




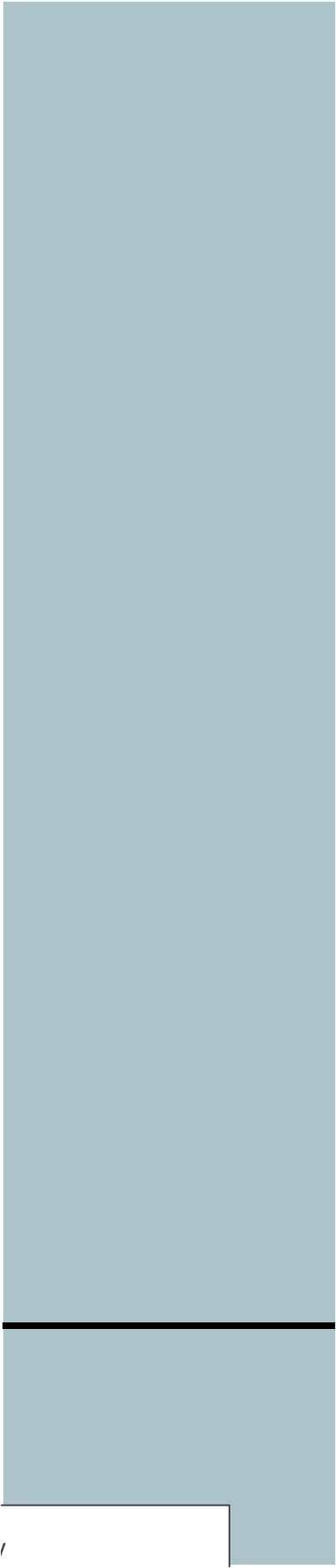
Length change by river type

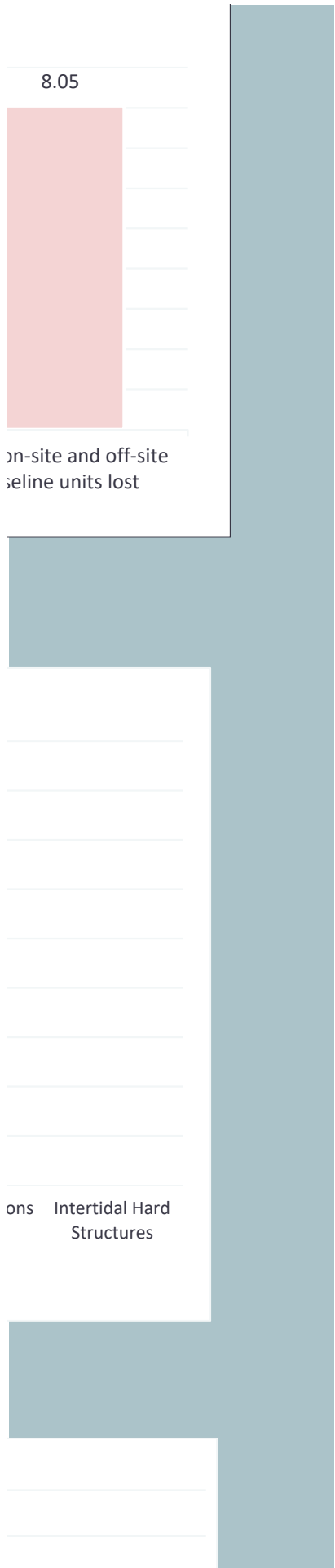


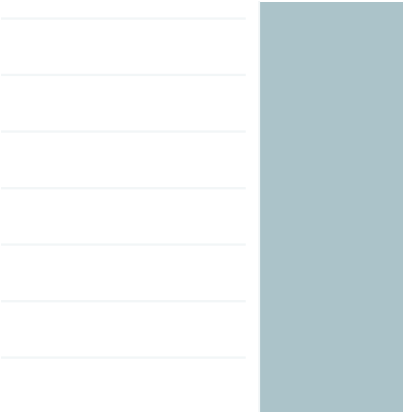
Combined river length change



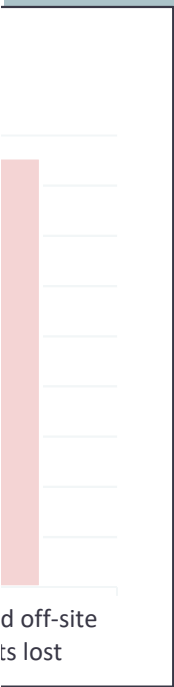
	Ditches	Canals	Culvert
change	Existing length off-site Proposed length off-site Off-site length change		



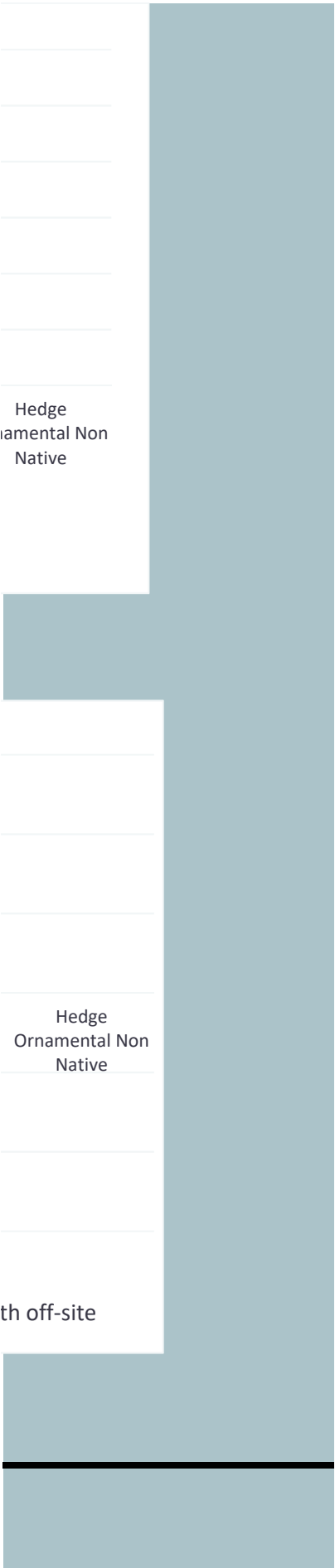




goons Intertidal Hard
Structures



d off-site
ts lost

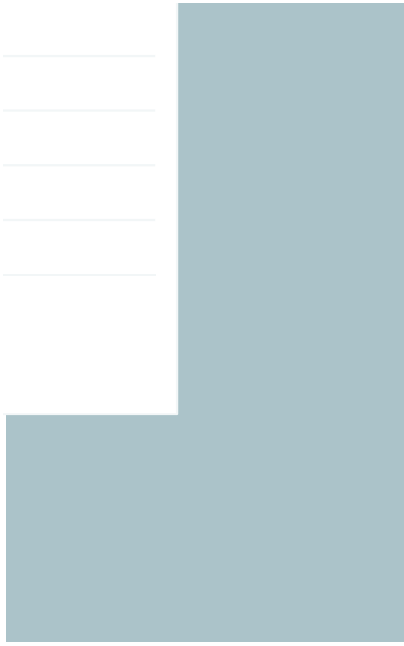


Hedge
Ornamental Non
Native

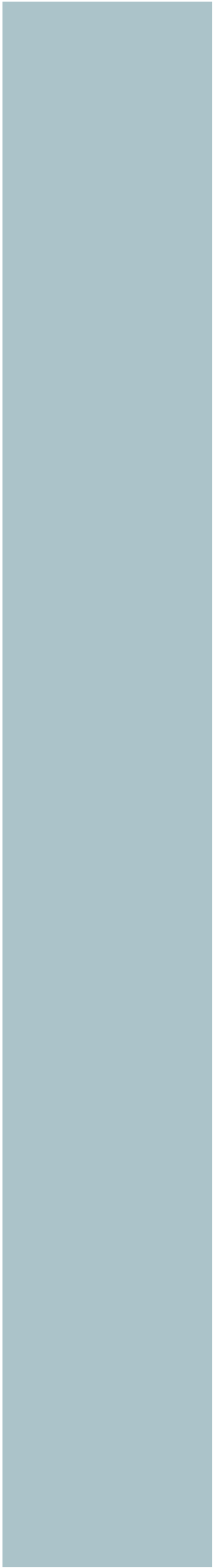
Hedge
Ornamental Non
Native

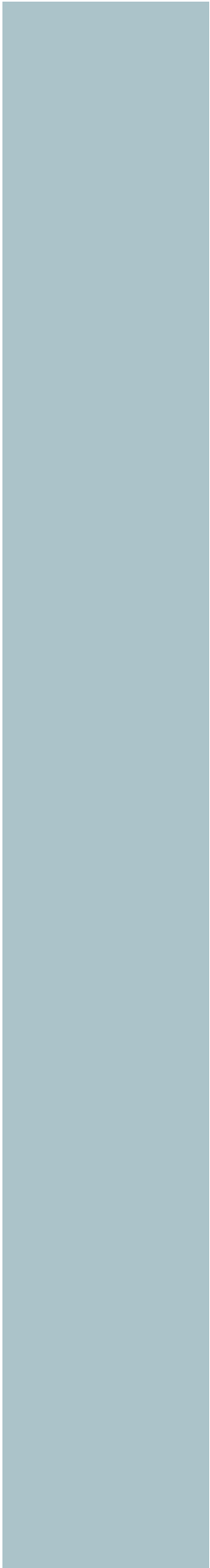
th off-site

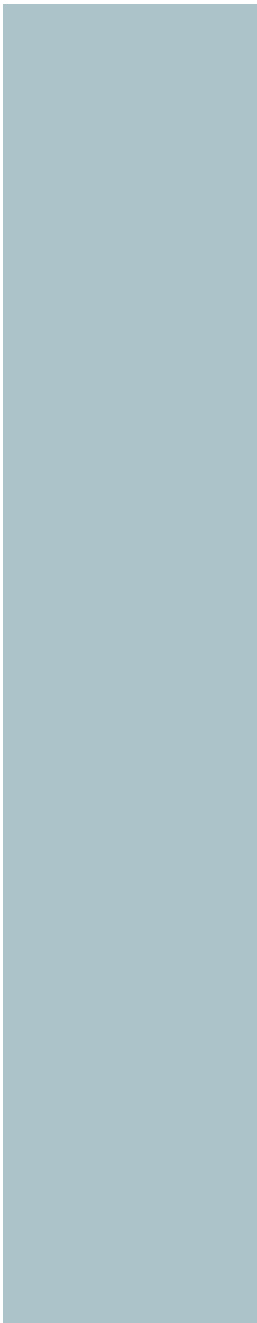
[illegible]



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)



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
	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	1.00	0.00	1.00
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	0.70	0.00	0.70
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	0.90	0.00	0.90
Woodland and forest	0.00	0.00	0.00
Woodland and forest	0.08	0.00	0.08
Woodland and forest	-1.37	0.00	-1.37
Intertidal sediment	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00
Intertidal	0.00	0.00	0.00
	1.30	0.00	1.30

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	-0.05	0.00	-0.05
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	-0.09	0.00	-0.09
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	-0.02	0.00	-0.02
Urban	0.00	0.00	0.00
Urban	0.00	0.00	0.00
Urban	0.00	0.00	0.00
Urban	-6.22	0.00	-6.22
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
	-6.38		-6.38

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 Defecit; Like for like not satisfied

[illegible]

0.00

Cumulative Broad Habitat Change

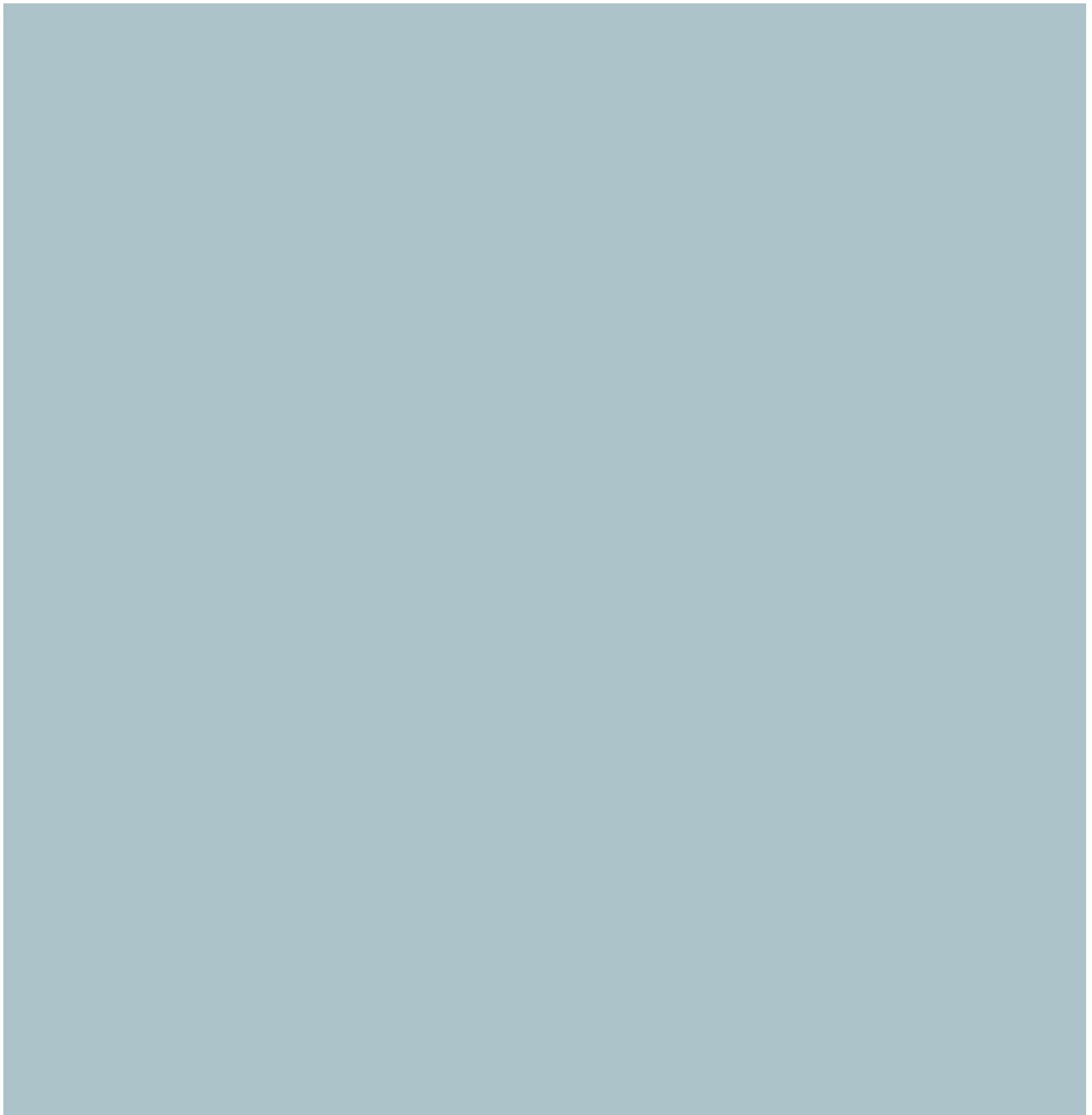
Medium Distinctiveness Summary

Medium Distinctiveness Units available to offset lower distinctiveness deficit

0.00
1.00
0.70
0.00
0.00
0.90
-1.29
0.00

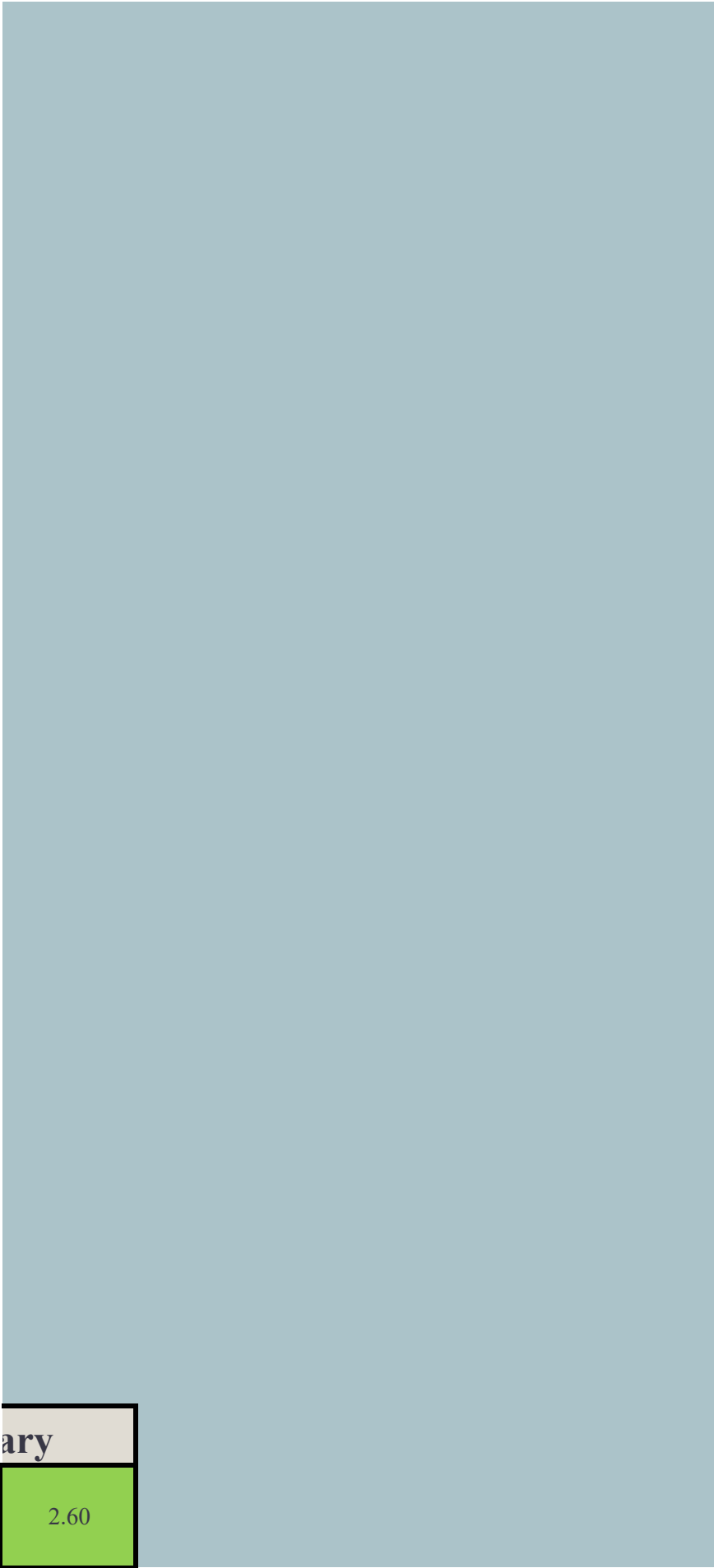
Medium Distinctiveness Broad Habitat Deficit to be offset by trading up
Higher distinctiveness surplus units minus Medium Distinctiveness Broad Habitat Defecit
Cumulative surplus of units

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



ary
0.00

y
0.00
☒ 0.00



ary
2.60

-1.29
0.00
2.60

y
-6.38
-3.78



Condense / Show C	
Main Menu	
Ref	Broad Habitat
1	Grassland
2	Heathland and shrub
3	Heathland and shrub
4	Sparsely vegetated land
5	Urban
6	Urban
7	Urban
8	Woodland and forest
9	Urban
10	
11	
12	
13	
14	

10585

A-1 Site Habitat Baseline

Columns

Condense / Show Rows

Instructions

Habitats and areas	
Habitat Type	Area (hectares)
Modified grassland	0.1052
Mixed scrub	0.0679
Mixed scrub	0.0113
Ruderal/Ephemeral	0.0454
Developed land; sealed surface	0.1382
Introduced shrub	0.0095
Vacant/derelict land/ bareground	3.1087
Other woodland; mixed	0.2687
Urban Tree	0.293
Total habitat area	4.05

Distinctiveness		Condition	
Distinctiveness	Score	Condition	Score
Low	2	Poor	1
Medium	4	Poor	1
Medium	4	Poor	1
Low	2	Poor	1
V.Low	0	N/A - Other	0
Low	2	Condition Assessment N/A	1
Low	2	Poor	1
Medium	4	Moderate	2
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
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 distinctiveness or better habitat required $\geq$	0.21
Same broad habitat or a higher distinctiveness habitat required ($\geq$)	0.27
Same broad habitat or a higher distinctiveness habitat required ($\geq$)	0.05
Same distinctiveness or better habitat required $\geq$	0.09
Compensation Not Required	0.00
Same distinctiveness or better habitat required $\geq$	0.02
Same distinctiveness or better habitat required $\geq$	6.22
Same broad habitat or a higher distinctiveness habitat required ($\geq$)	2.15
Same broad habitat or a higher distinctiveness habitat required ($\geq$)	2.34
	11.35

Retention ca		
Area retained	Area enhanced	Baseline units retained
0	0	0.00
0.0318	0	0.13
0	0.0113	0.00
0	0	0.00
0	0	0.00
0	0	0.00
0.0977	0	0.78
0.293	0	2.34
0.42	0.01	3.25

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	0.11	0.21	
0.00	0.04	0.14	
0.05	0.00	0.00	
0.00	0.05	0.09	
0.00	0.14	0.00	
0.00	0.01	0.02	
0.00	3.11	6.22	
0.00	0.17	1.37	
0.00	0.00	0.00	
0.05	3.61	8.05	

Urban trees	3.61
-------------	------





Comments

Assessor comments

4 moderate urban trees of moderate condition to be retained in the northern woodland boundary



Conclusions

Reviewer comments

[illegible]

Condense / Sh
Main M
Broad Habitat
Grassland
Grassland
Grassland
Heathland and shrub
Urban
Urban
Urban

10585

A-2 Site Habitat Creation

Show Columns

Condense / Show Rows

Menu

Instructions

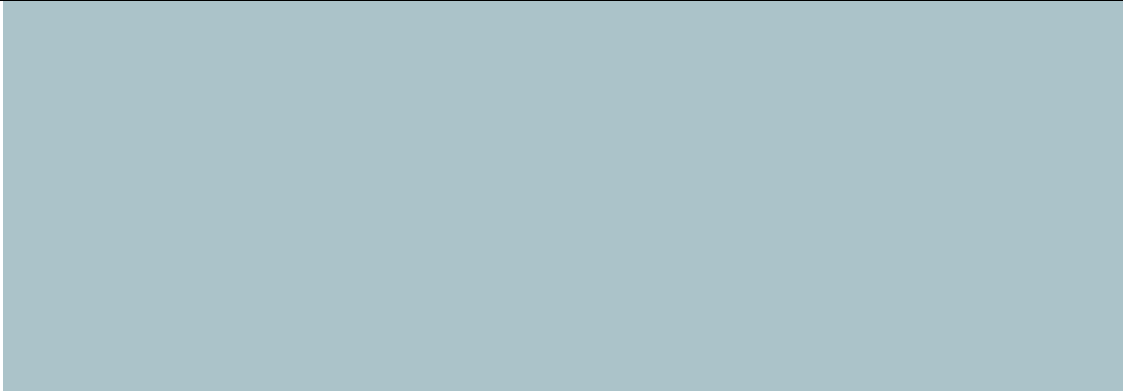
Proposed habitat	Area (hectares)
Modified grassland	0.0442
Modified grassland	0.0011
Other neutral grassland	0.1487
Mixed scrub	0.1336
Developed land; sealed surface	0.0117
Developed land; sealed surface	3.2748
Urban Tree	0.293
Total habitat area	3.91

Site Area (Excluding area of Urban trees and Green walls)	3.61
---	------

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



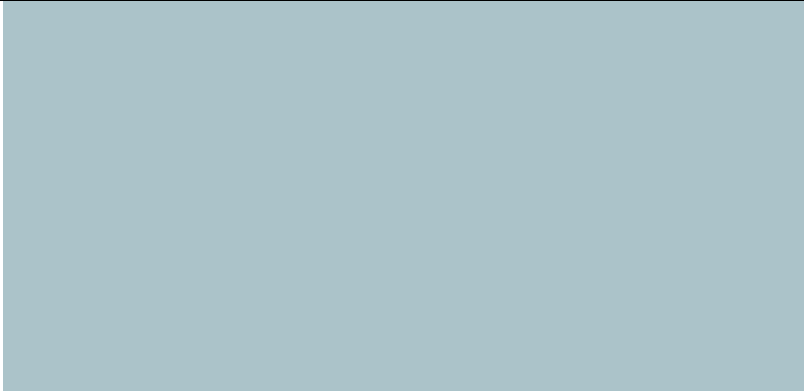
Strategic significance		
Strategic significance	Strategic significance	Strategic position multiplier
Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1
Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1
Area/compensation not in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





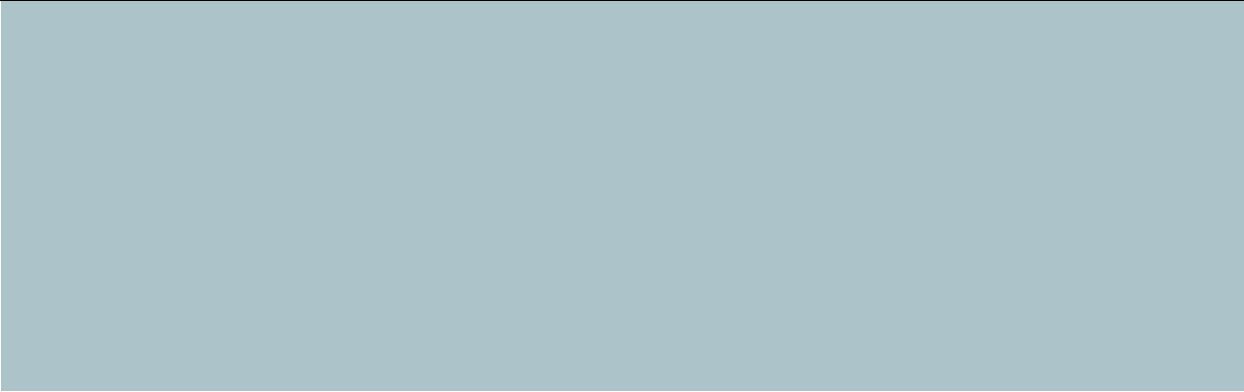
Post development/ post intervention habitats

Standard time to target condition/years	Habitat created in advance/years	Delay in starting habitat creation/years
4	0	0
4	0	0
5	0	0
5	0	0
0	0	0
0	0	0
27		





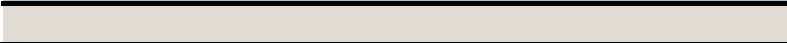
Temporal multiplier		
Standard or adjusted time to target condition	Final time to target condition/years	Final time to target multiplier
Standard time to target condition applied	4	0.867
Standard time to target condition applied	4	0.867
Standard time to target condition applied	5	0.837
Standard time to target condition applied	5	0.837
Standard time to target condition applied	0	1.000
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
Low	Standard difficulty applied	Low	1
Low	Standard difficulty applied	Low	1
Low	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
0.15	
0.00	
1.00	
0.89	
0.00	
0.00	
0.90	4 medium urban trees of moderate condition to be created along northern woodland boundary
2.94	



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A-3 Site Habitat Enhancement

Condense / Show Columns

Condense / Show Rows

Main Menu

Instructions

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Change in broad habitat type detected. Check compliance with g

Temporal risk multiplier

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Guidance.

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Condense / Show C

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B-1 Site Hedge Baseline

columns

Condense / Show Rows

Page 10 of 10

UK Habitats - existing habitats

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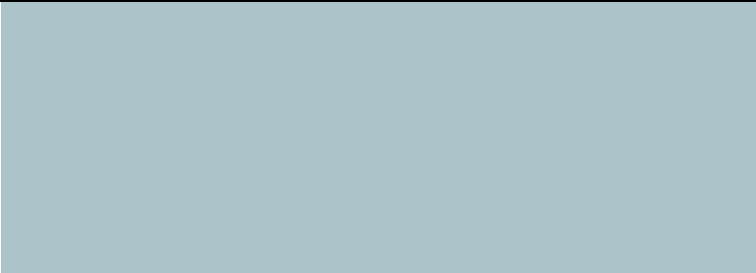
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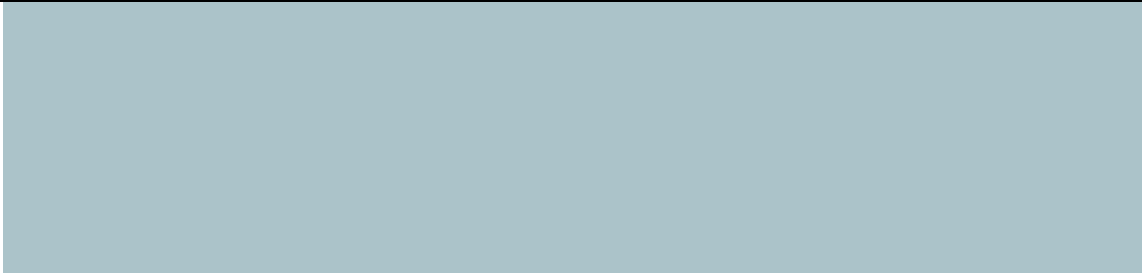


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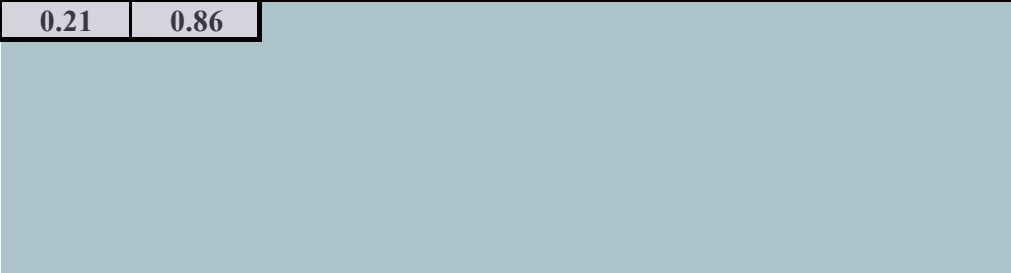
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Conclusions

Reviewer comments

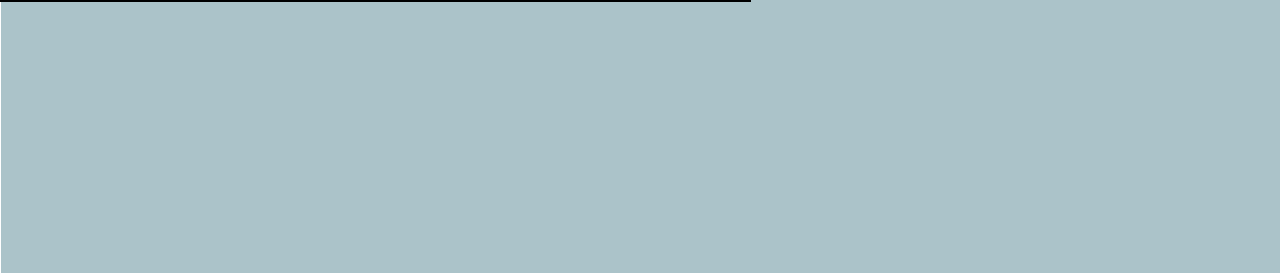
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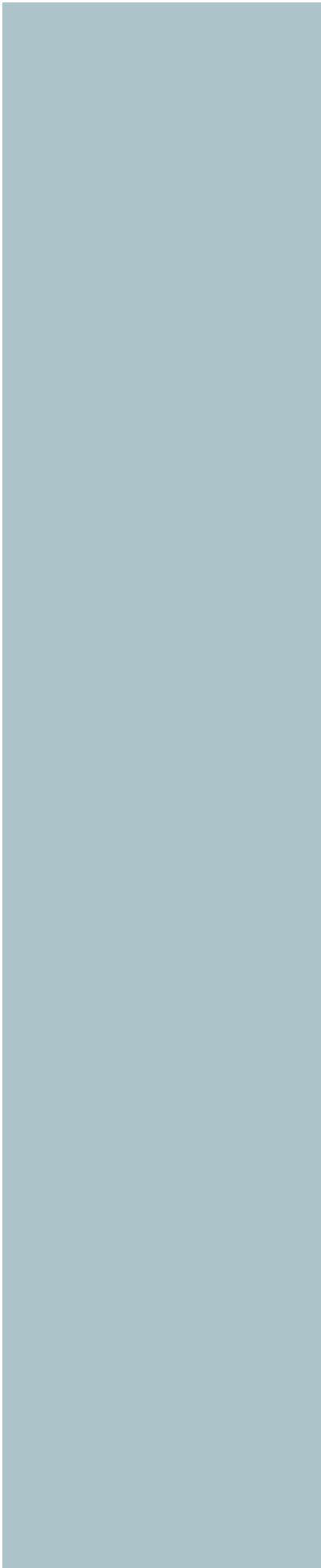
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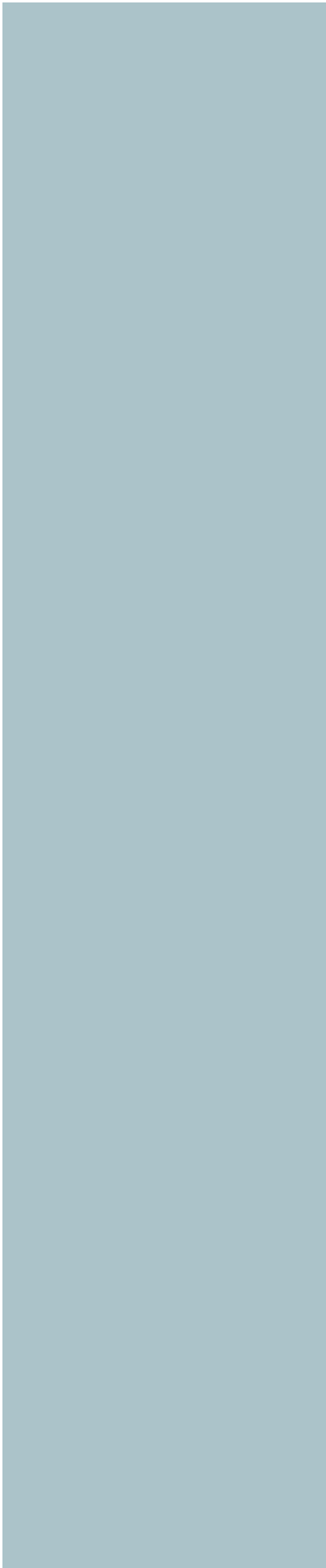
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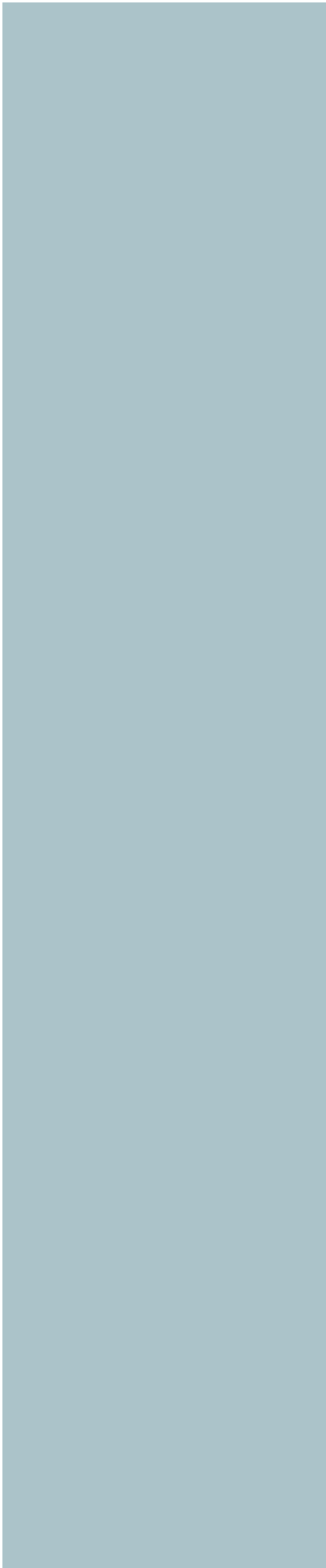
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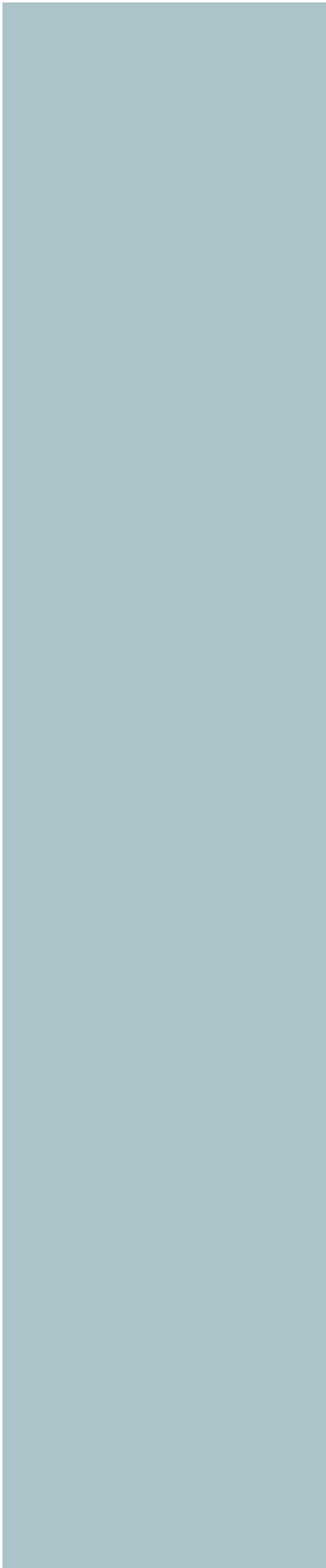
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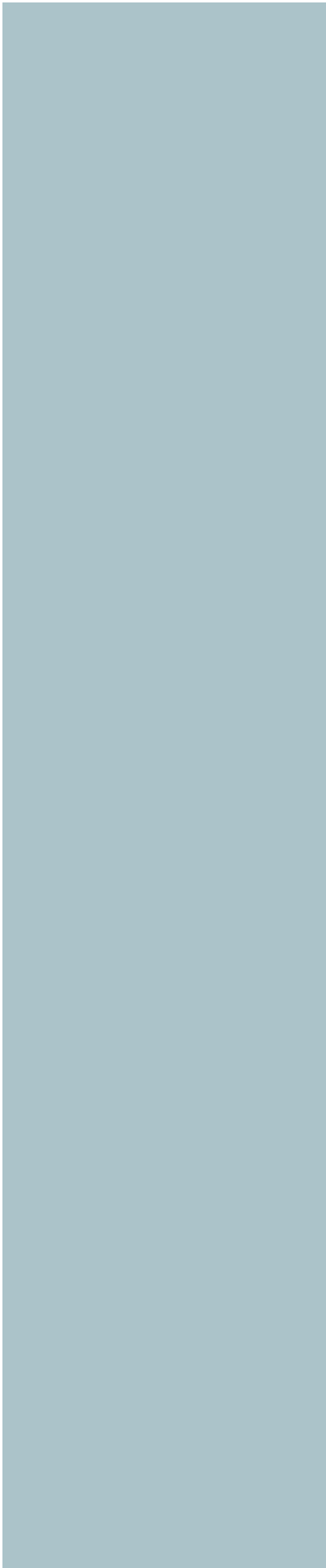


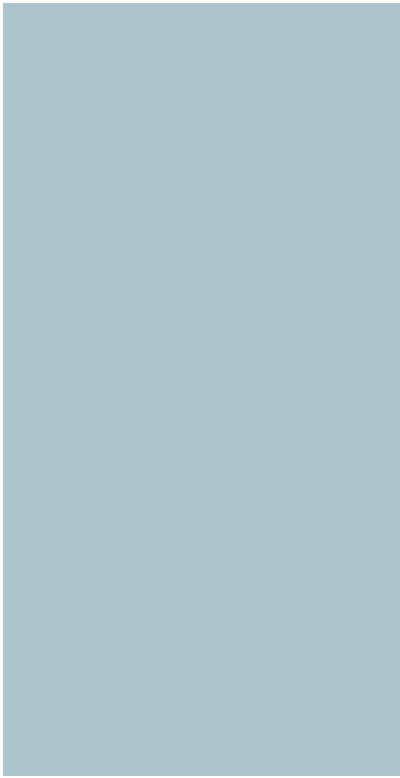












Condense / Show

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B-2 Site Hedge Creation

How Columns

Condense / Show Rows

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Instructions

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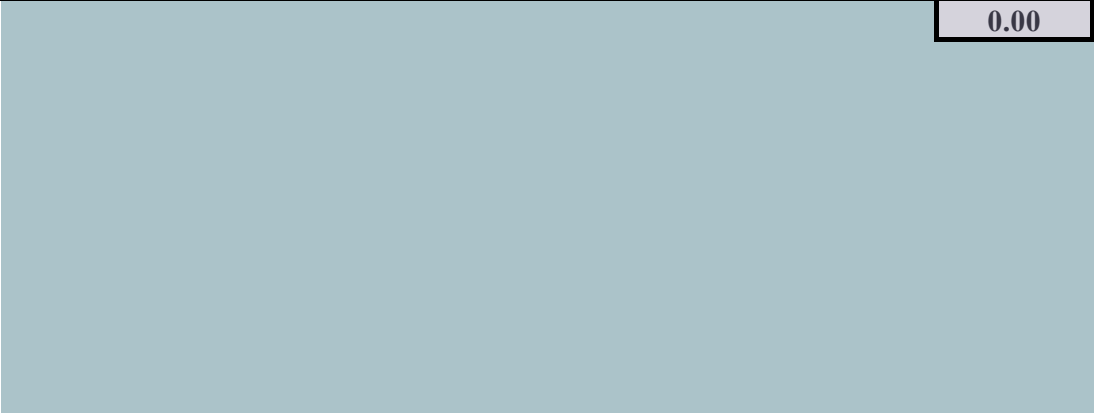
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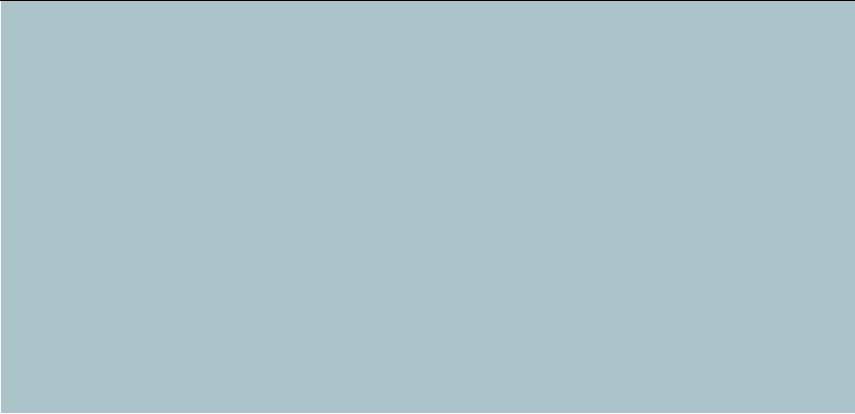
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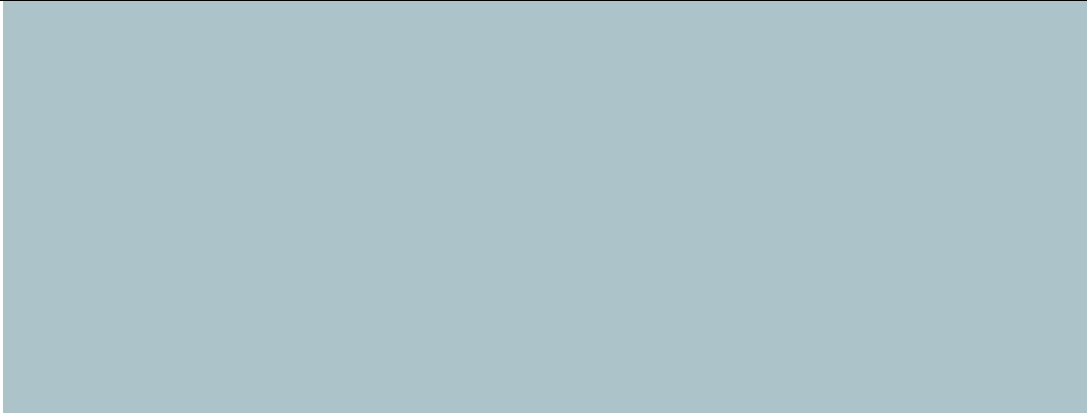
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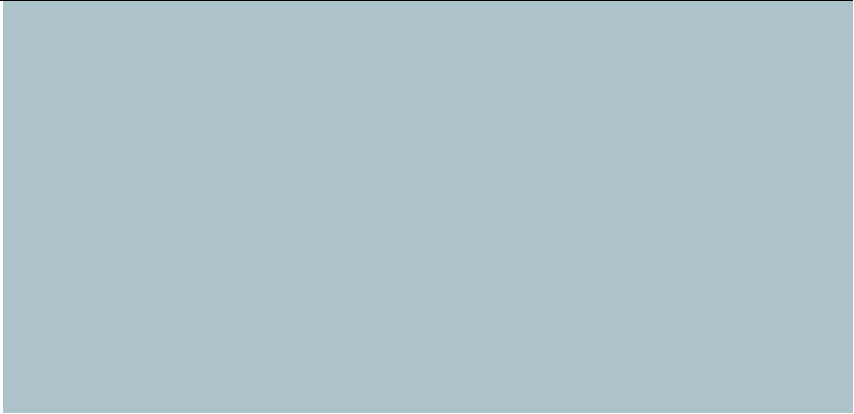
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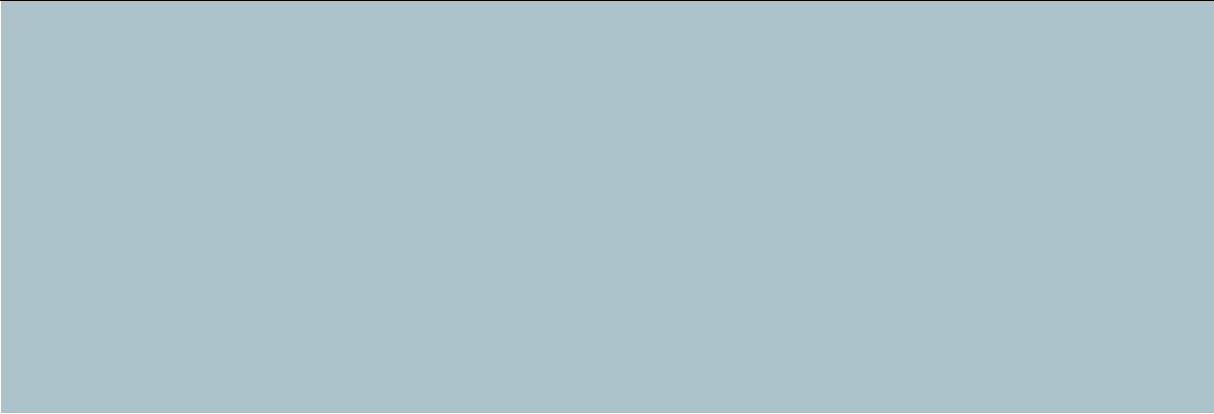
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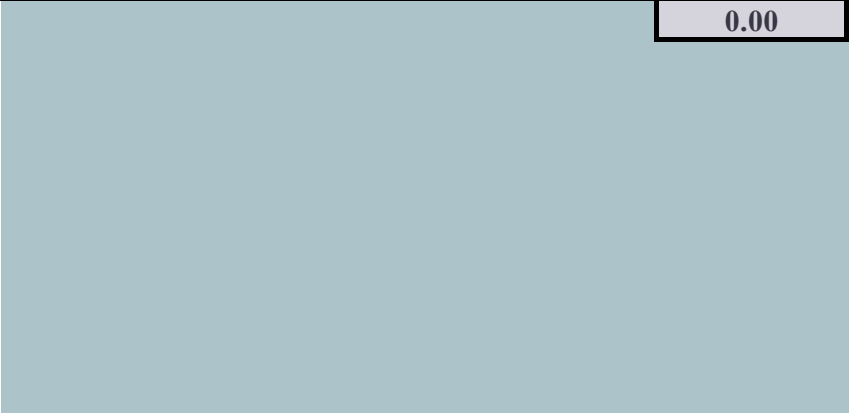
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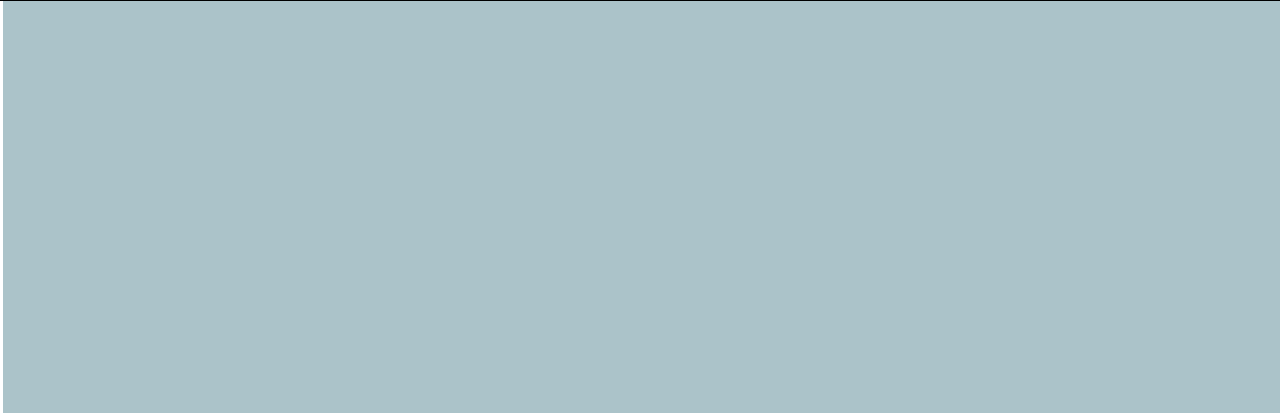
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B-3 Site Hedge Enhancement

Condense / Show Columns

Condense / Show Rows

Main Menu

Instructions

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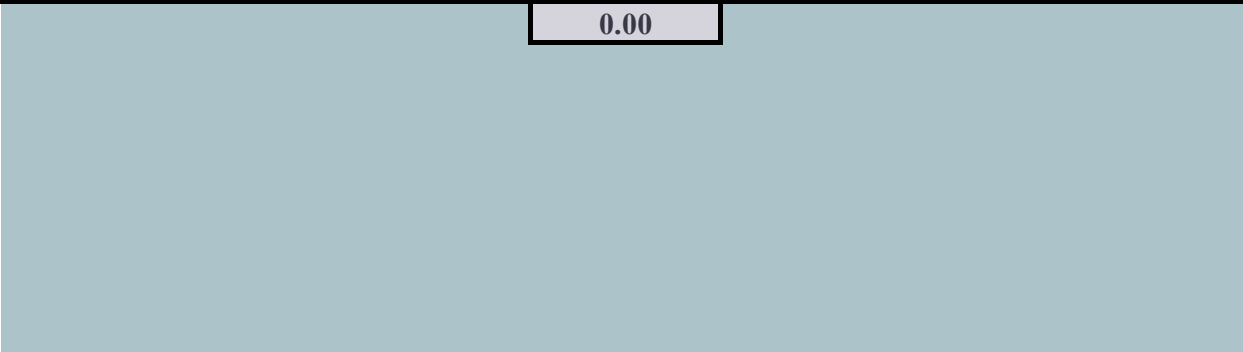
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Conclusions

Reviewer comments

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