

The Biodiversity Metrics Start

Project details

Planning authority:	
Project name:	High
Applicant:	
Application type:	
Planning application reference:	
Assessor:	
Reviewer:	
Revision:	
Assessment date:	
Planning authority reviewer:	

Cell style conventions



ic 2.0 - Calculation Tool

page

Kirklees

Street, Hanging Heaton

Vistry Partnerships

Planning

Paul Wolstenholme

09/06/2021

Enter data

Automatic lookup

Result

Instructions

Main menu

Results

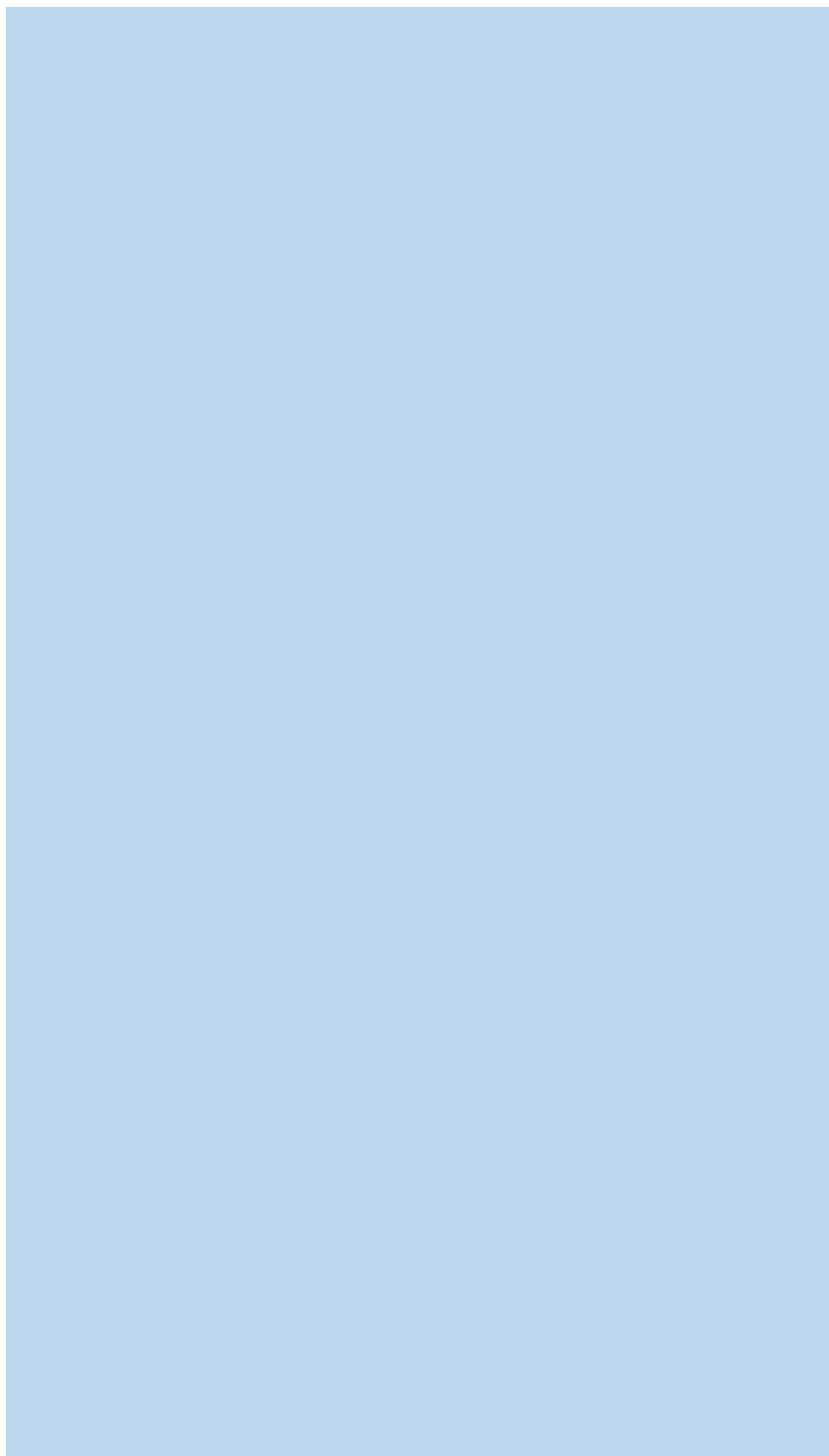
View all

Reset view











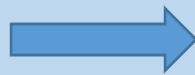
The Biodiversity Measure

Start page

Instructions

Start here

1



2

On-site baseline

A-1
On-site
habitat

B-1
On-site
hedge
baseline

C-1
On-Site
river
baseline

On-site post development

A-2 Habitat
creation

A-3 Habitat
enhancement

A-4 Ha
acceler
succes

B-2 Hedgerow
creation

B-3 Hedgerow
enhancement

C-2 River
creation

C-3 River
enhancement



etric 2.0 - Calculation Tool

ain menu

St
Tree size
Small
Medium
Large
Total

Technical data

Results

3

4

Off-site
baseline

D-1
Off-site
habitat

E-1
Off-site
hedge
baseline

F-1
Off-site
river
baseline

Off-Site post de

D-2 Habitat
creation

D-3 Habi
enhancem

E-2 Hedgerow
creation

F-2 River
creation



Street tree helper	
Tree number	Area
60	0.0271
	0.0000
	0.0000
60.00	0.0271

Development

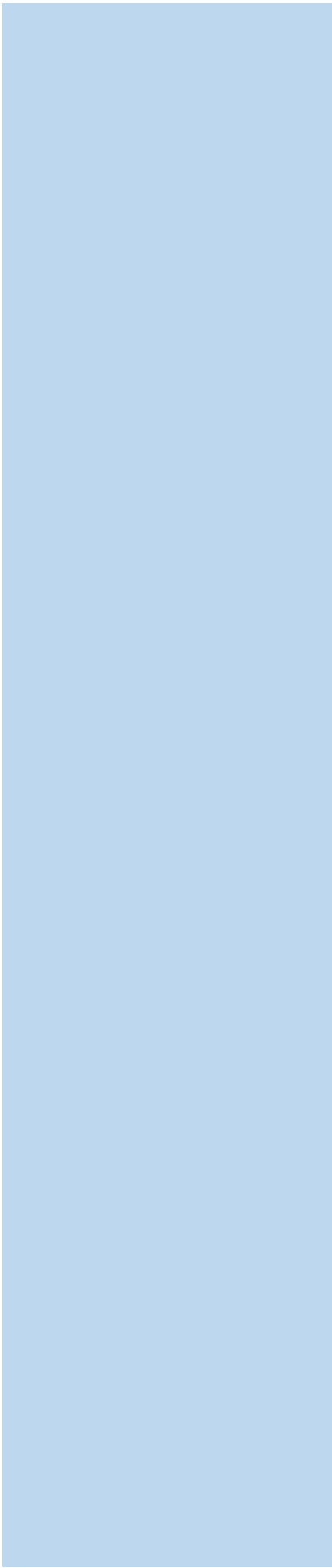
Habitat
enhancement

D-4 Habitat
accelerated
succession

E-3 Hedgerow
enhancement

F-3 River
enhancement







The Biodiversity Calculation

Return to start
page

Headline results

Detailed results

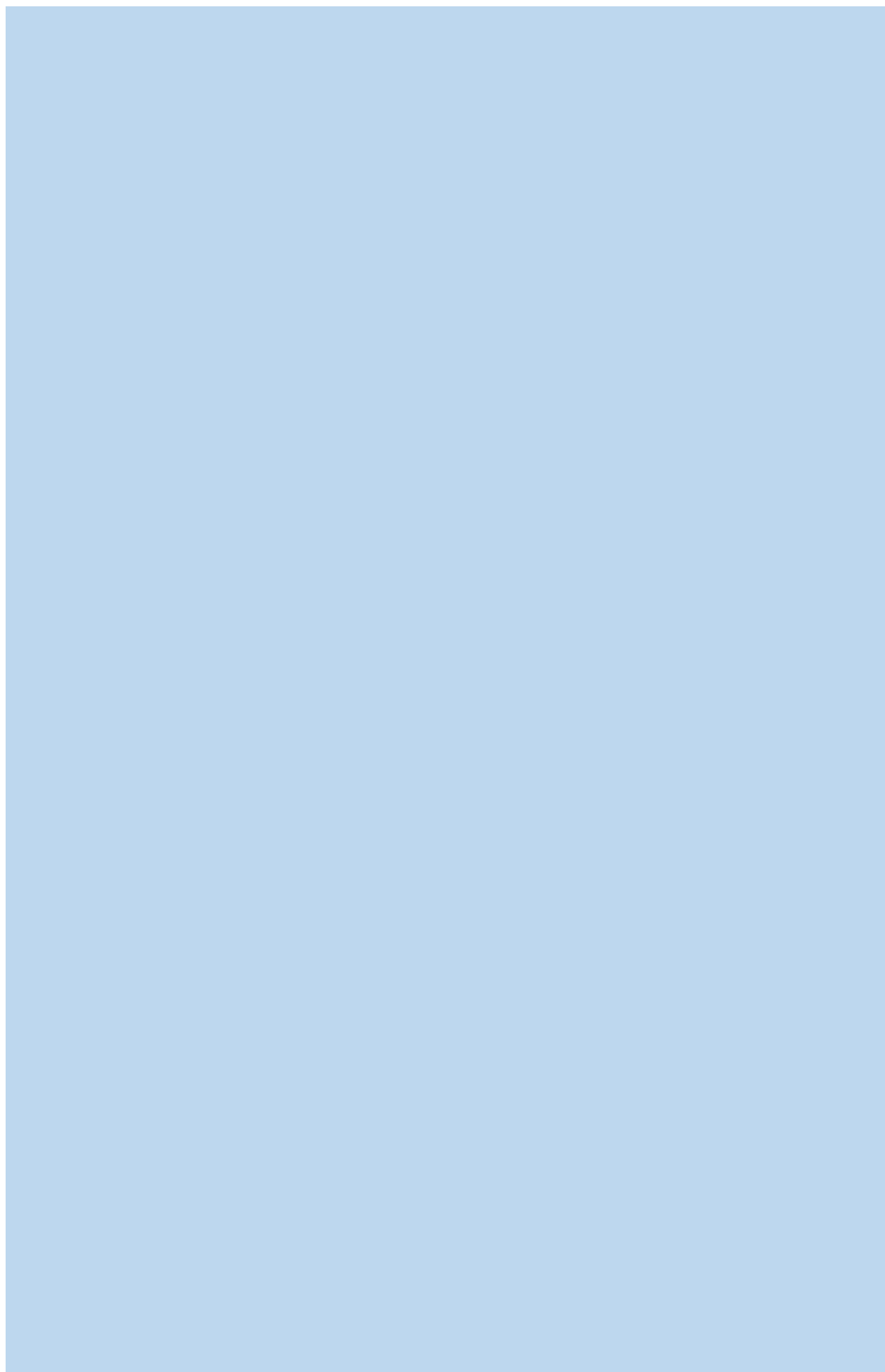


Metric 2.0 - n Tool

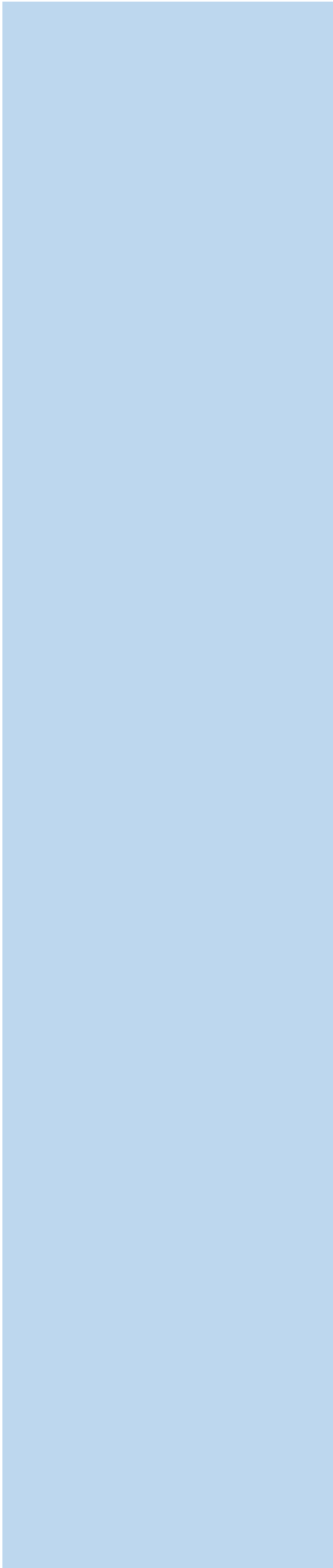
ults

Habitat trading
summary











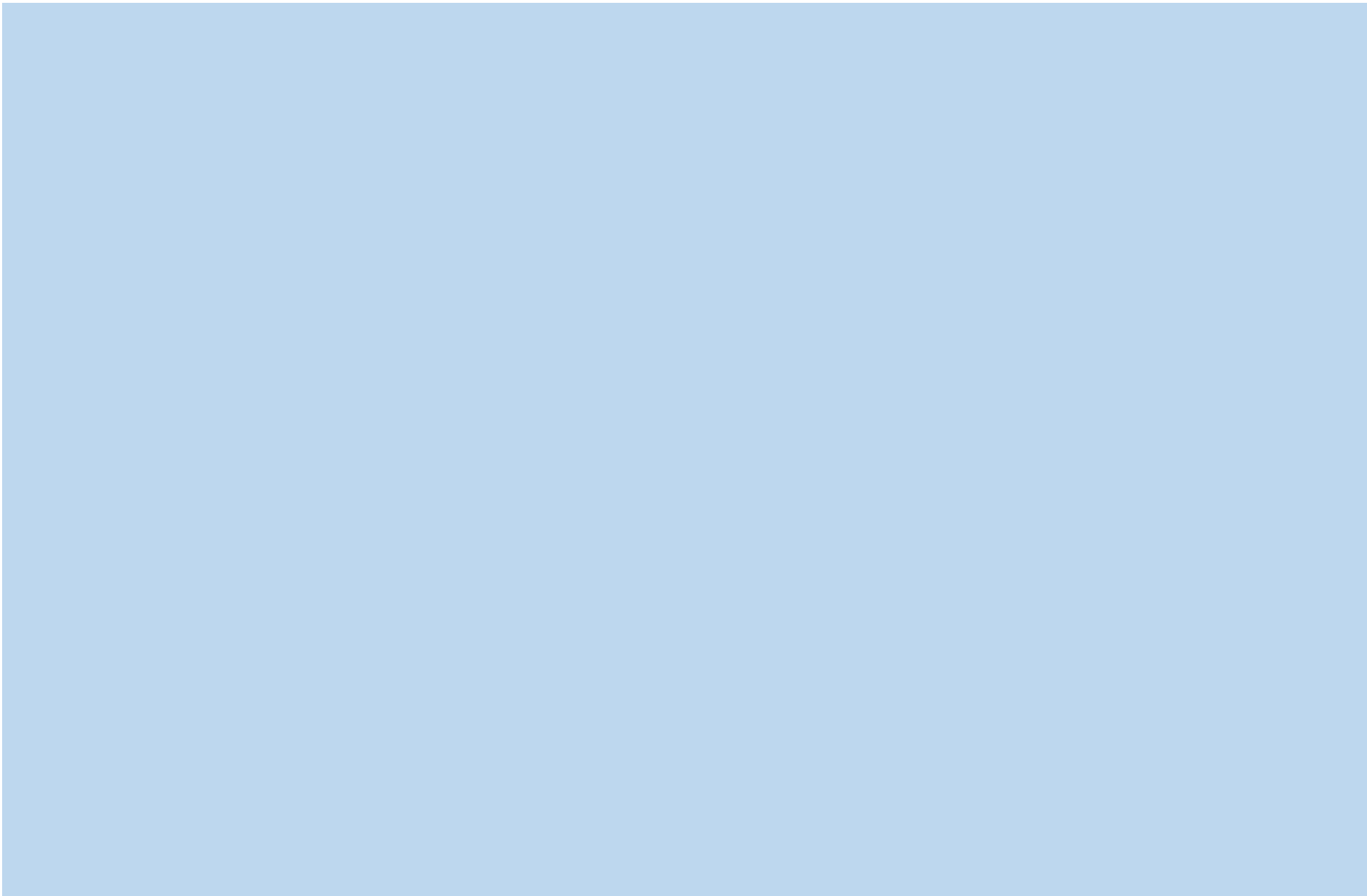
High Street, Hanging Heaton

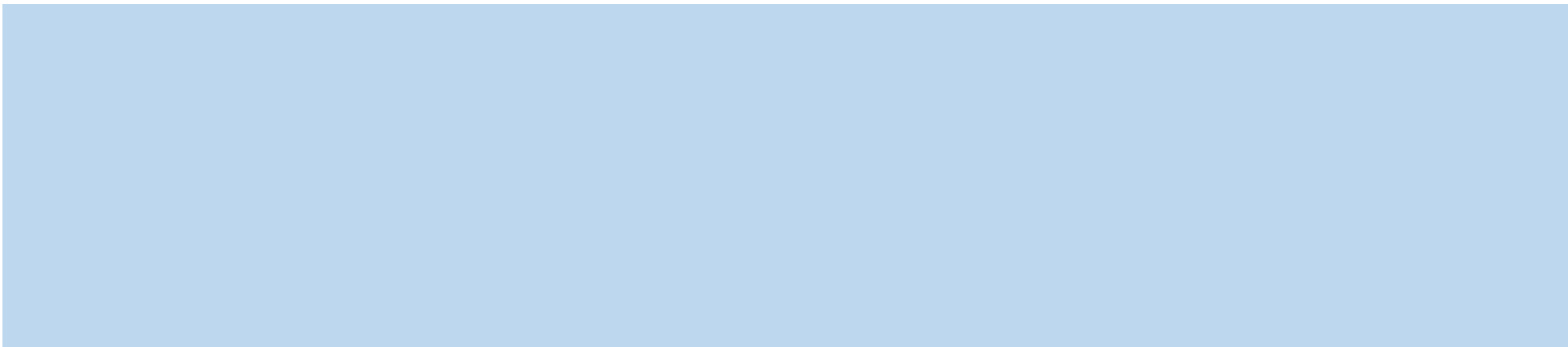
Headline Results

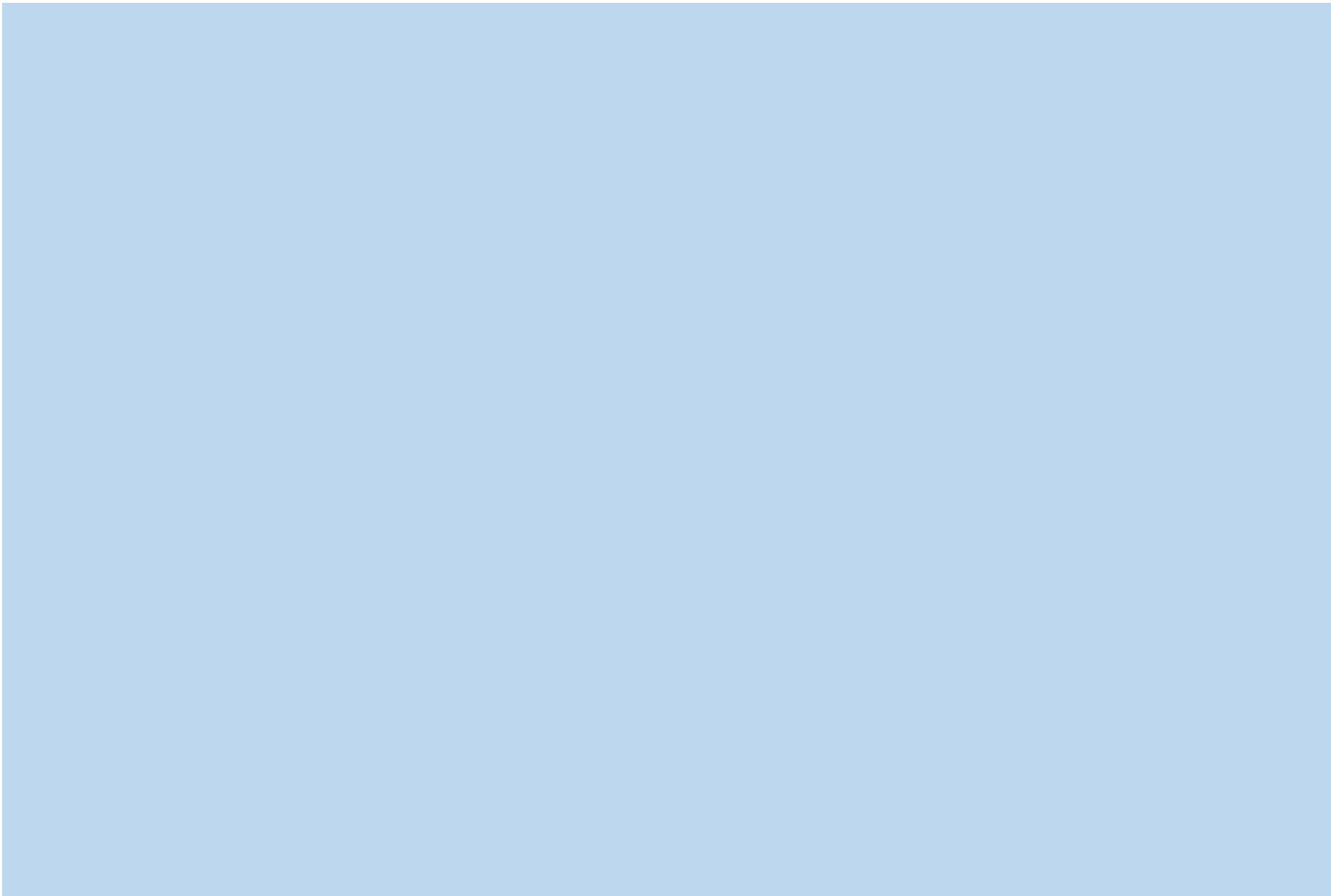
[Return to
results menu](#)

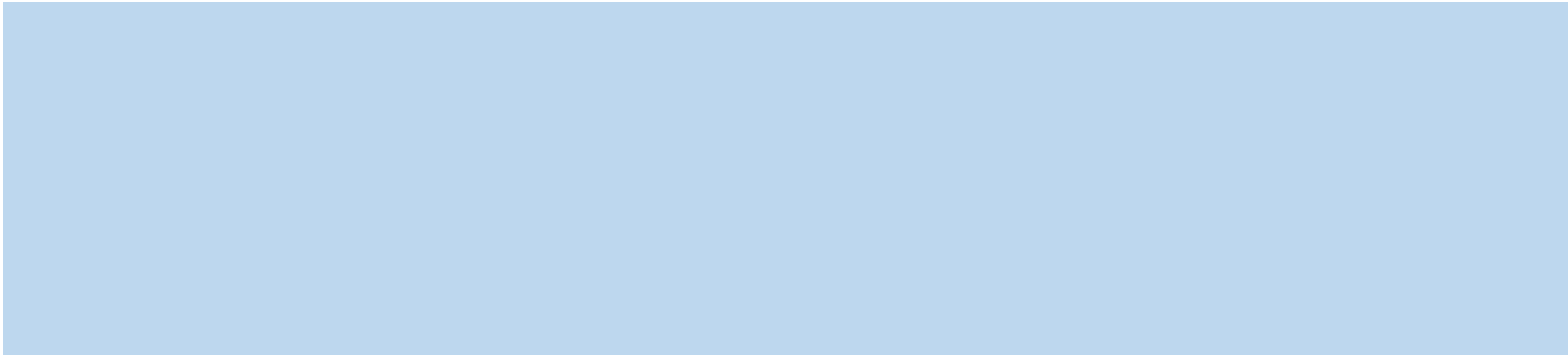
On-site baseline	Habitat units	3.69
	Hedgerow units	0.76
	River units	0.00
On-site post-intervention (Including habitat retention, creation, enhancement & succession)	Habitat units	4.24
	Hedgerow units	1.00
	River units	0.00
Off-site baseline	Habitat units	0.00
	Hedgerow units	0.00
	River units	0.00
Off-site post-intervention (Including habitat retention, creation, enhancement & succession)	Habitat units	0.00
	Hedgerow units	0.00
	River units	0.00
Total net unit change (including all on-site & off-site habitat retention/creation)	Habitat units	0.55
	Hedgerow units	0.24
	River units	0.00

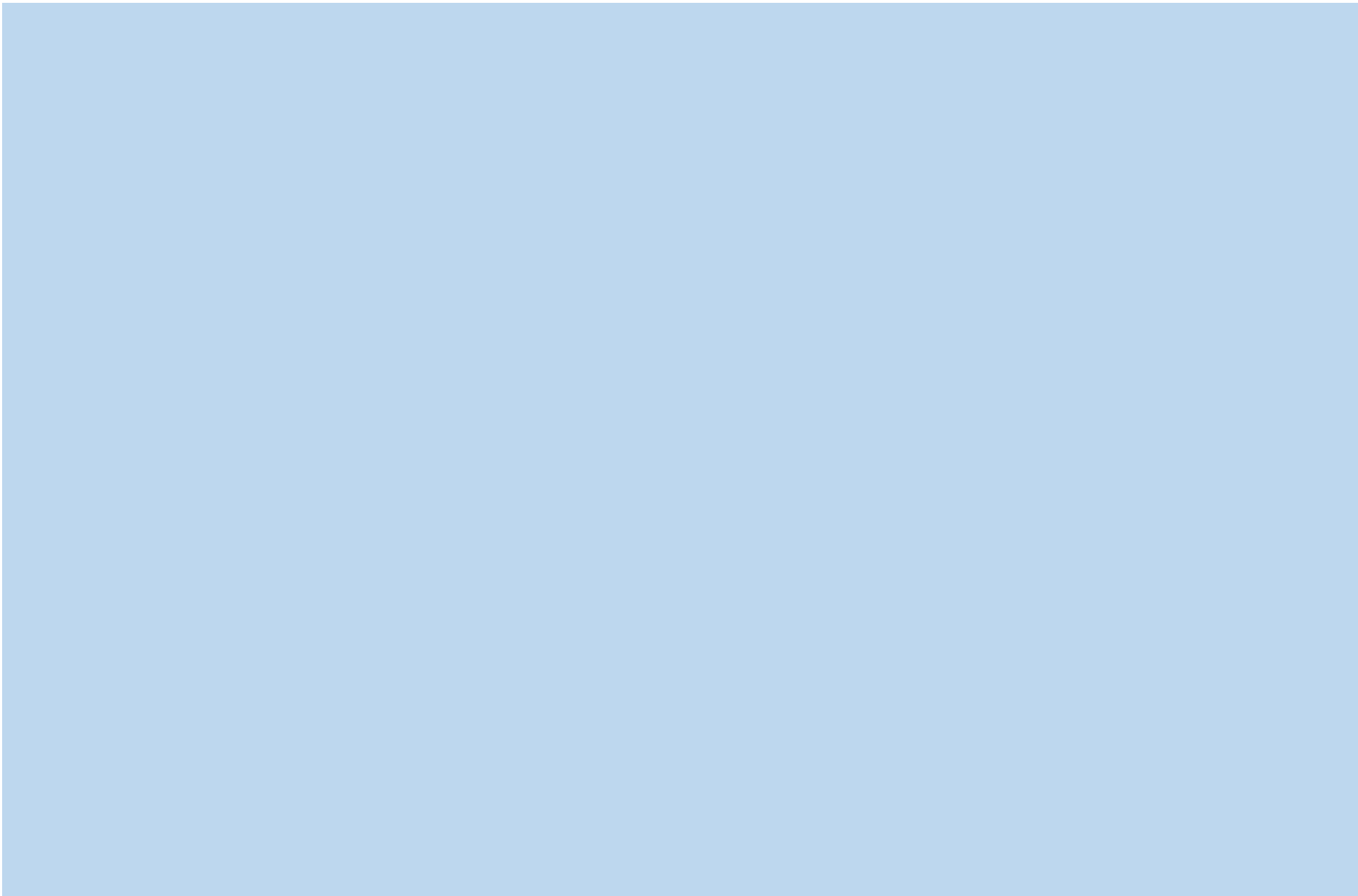
Total net % change (including all on-site & off-site habitat creation + retained habitats)	Habitat units	14.88%
	Hedgerow units	30.86%
	River units	0.00%

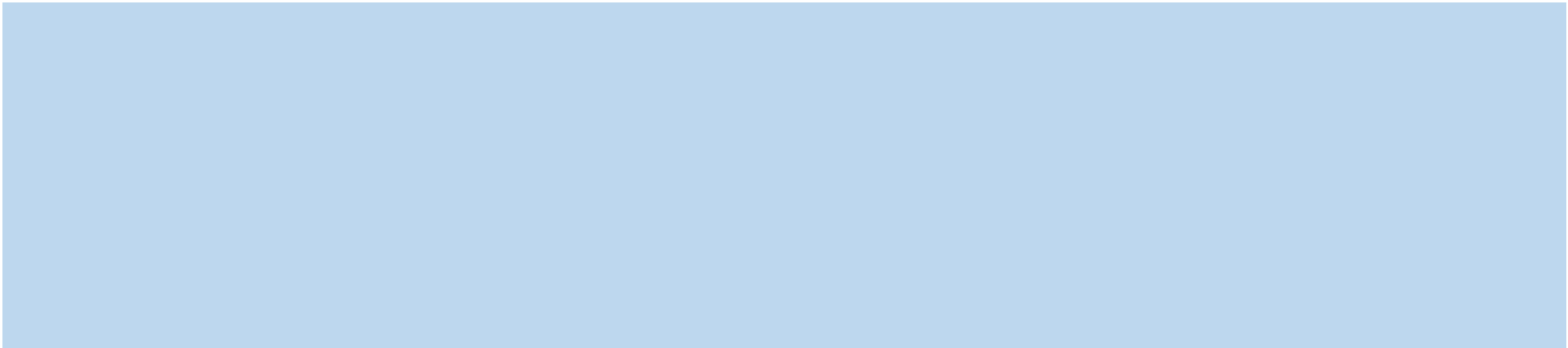
















High Street, Hanging Heaton
A-1 Site Habitat Baseline

Condense / Show Columns

Main Menu

Ref	Broad Habitat
1	Grassland
2	Woodland and forest
3	
4	
5	
6	
7	

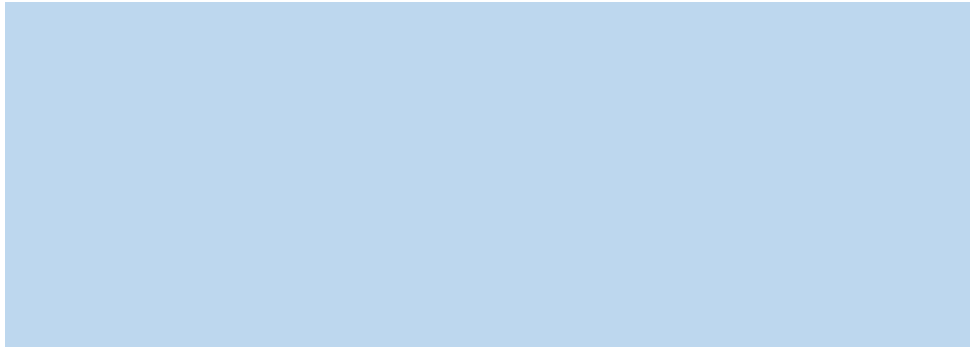
n

line

Condense / Show Rows

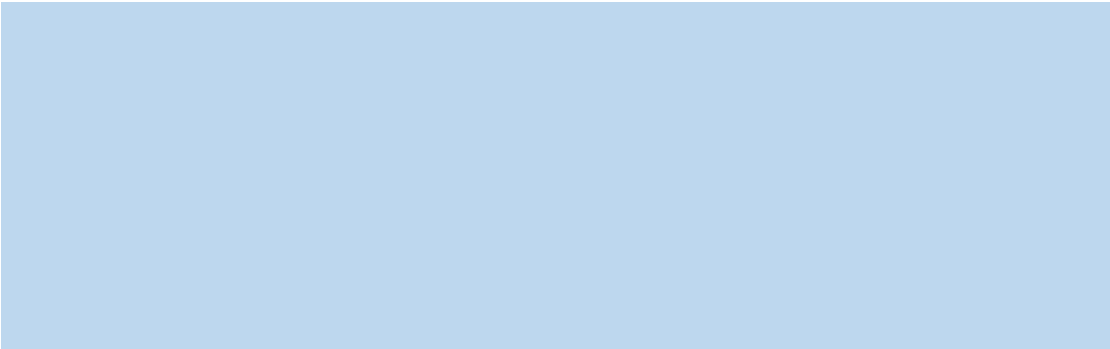
Instructions

Habitats and areas	
Habitat type	Area (hectares)
Grassland - Modified grassland	1.77
Woodland and forest - Other woodland; broadleaved	0.016
Total site area ha	1.79



Habitat distinctiveness		Habitat condition		
Distinctiveness	Score	Condition	Score	Ecological connectivity
Low	2	Poor	1	Low
Medium	4	Moderate	2	Low



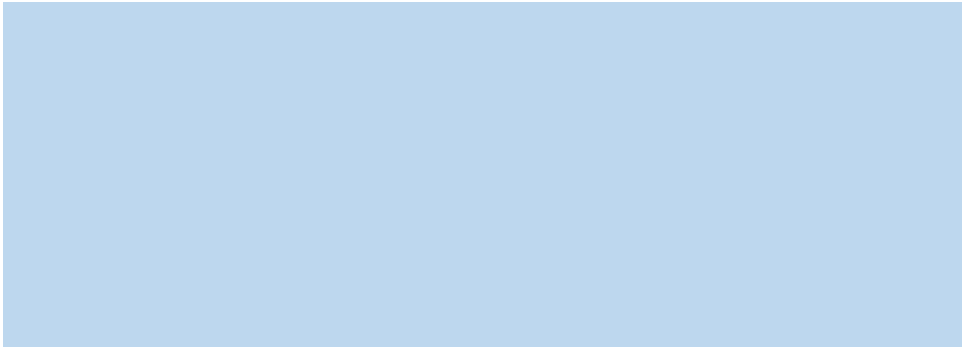


Ecological connectivity		Strategic significance
Connectivity	Connectivity multiplier	Strategic significance
Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy
Unconnected habitat	1	Within area formally identified in local strategy



Ecological significance		Suggested action to address habitat losses	Ecological baseline
Strategic significance	Strategic position multiplier		Total habitat units
Low Strategic Significance	1	Same distinctiveness or better habitat required	3.54
High strategic significance	1.15	Same broad habitat or a higher distinctiveness habitat required	0.15
		Total Site baseline	3.69

Retention category biodiversity value							
Area retained	Area enhanced	Area succession	Baseline units retained	Baseline units enhanced	Baseline units succession	Area lost	Units lost
	0.25		0.00	0.50	0.00	1.52	3.04
			0.00	0.00	0.00	0.02	0.15
0.00	0.25	0.00	0.00	0.50	0.00	1.54	3.19



Bespoke compensation agreed for unacceptable losses	Comm
	Assessor comments



nents

Reviewer comments

[illegible]

High Street, Hanging Heaton

A-2 Site Habitat Creation

Condense / Show Columns

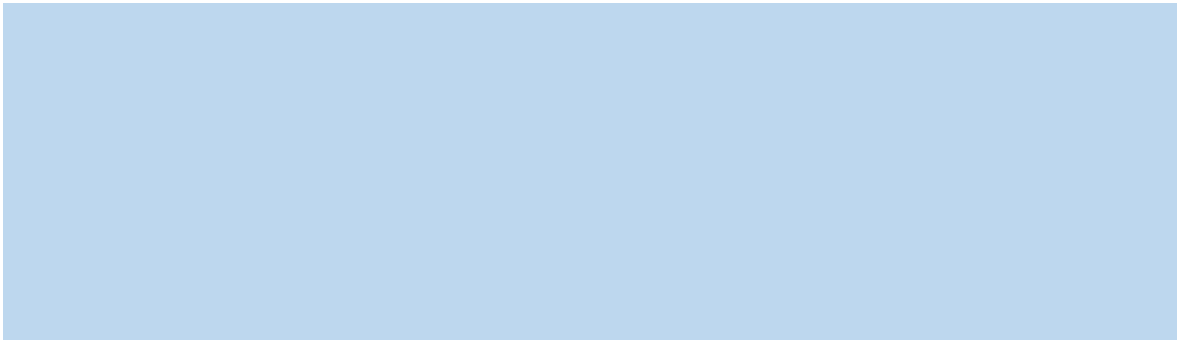
Condense / Show Rows

Main Menu

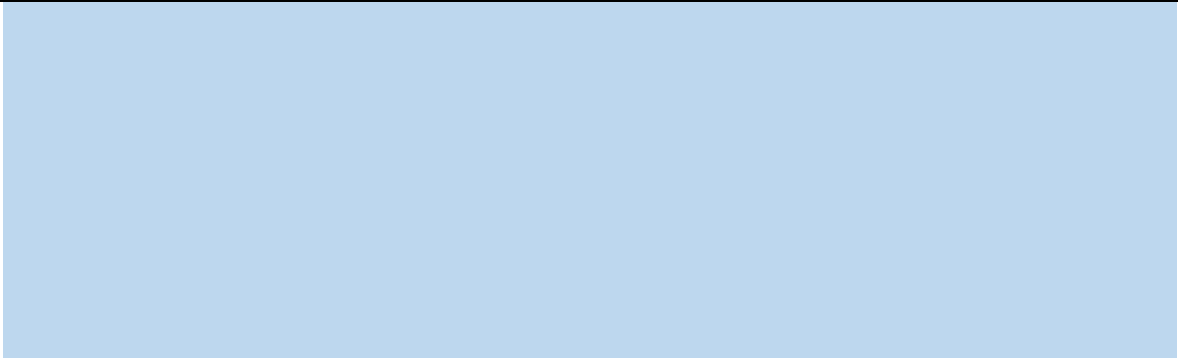
Instructions

Proposed habitat	Area (hectares)	Distinctiveness
Urban - Developed land; sealed surface	0.926	V.Low
Urban - Amenity grassland	0.45	Low
Heathland and shrub - Mixed scrub	0.13	Medium
Urban - Woodland	0.03	Medium
Urban - Street Tree	0.0271	Low
Totals	1.54	

Post development/ post intervention habitats					
Score	Condition	Score	Ecological connectivity		
			Ecological connectivity	Connectivity	Connectivity multiplier
0	N/A - Other	0	N/A	Assessment not appropriate	1
2	Moderate	2	Low	Unconnected habitat	1
4	Moderate	2	Low	Unconnected habitat	1
4	Moderate	2	Low	Unconnected habitat	1
2	Moderate	2	Low	Unconnected habitat	1

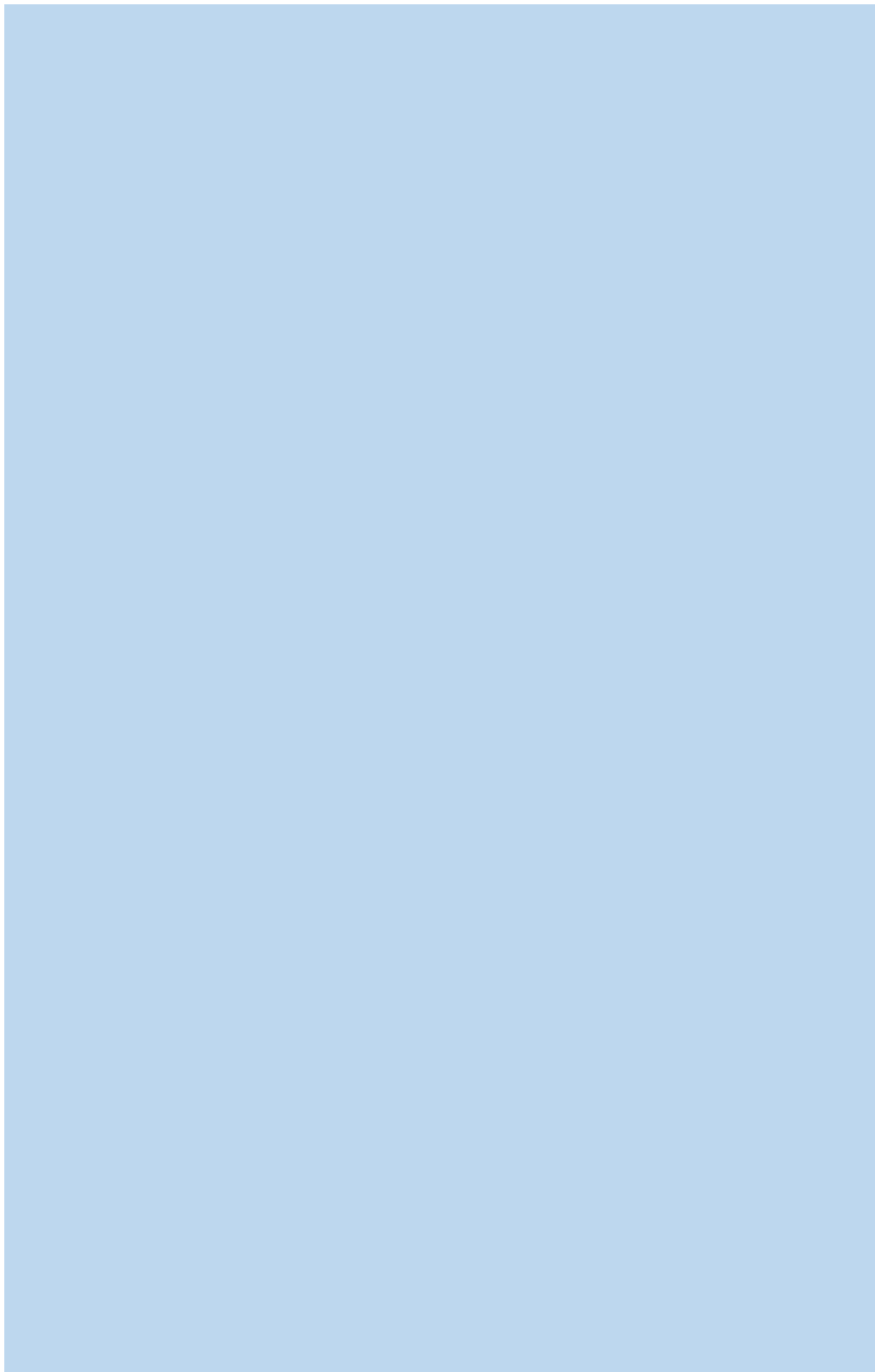


Strategic significance			Temporal m
Strategic significance	Strategic significance	Strategic position multiplier	Time to target condition/years
Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0
Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	3
Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	3
Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	27
Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	27



multiplier	Difficulty multipliers		Habitat units delivered
Time to target multiplier	Difficulty of creation category	Difficulty of creation multiplier	
1.000	Low	1	0.00
0.899	Low	1	1.62
0.899	Low	1	0.93
0.382	Low	1	0.09
0.382	Low	1	0.04
Total Units			2.69

Comments	
Assessor comments	Reviewer comments
Buildings and access roads as part of development	
Low maintenance turf as part of residential gardens and public open space - soil to be rotovated and planted with bespoke grass mix to resemble higher value grassland species composition (non ryegrass mix).	
Native mixed scrub plantings	
Native tree (WHIP) planting	
Mix of regular and heavy standards (60 trees total)	



High Street, Hanging Heaton

A-3 Site Habitat Enhancement

Condense / Show Columns

Condense / Show Rows

Main Menu

Instructions

Baseline habitats	
Baseline ref	Baseline habitat
1	Grassland - Modified grassland

Change in distribution
Proposed habitat (Pre-populated but can be overridden)
Grassland - Other neutral grassland

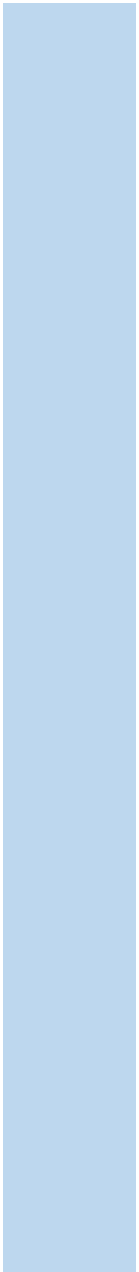
Post development/ post intervention habitat		
Distinctiveness and condition		Area (hectares)
Distinctiveness change	Condition change	
Low - Medium	Lower Distinctiveness Habitat - Moderate	0.25
	Total site area	0.25

ats

Distinctiveness	Condition	Ecological connectivity	Strategic significance
		Ecological connectivity score	Strategic significance
Medium	Moderate	Low	Area/compensation not in local strategy/ no local strategy

Temporal multiplier	Difficulty multipliers	Habitat units delivered	Com
Time to target condition/years	Difficulty of enhancement category		Assessor comments
10	Low	1.55	Exisiting grassland retained and managed as hay meadows with supplementry wildflower planting
	Enhancement total	1.55	

ments
Reviewer comments



High Street, Hanging Heaton

B-1 Site Hedge Baseline

Condense / Show Columns

Condense / Show Rows

Main Menu

Instructions

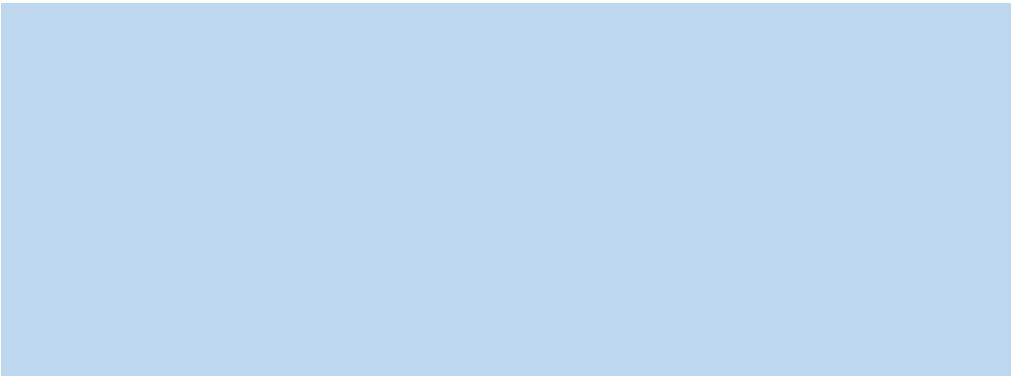
UK Habitats - existing habitats

Baseline ref	Hedge number	Hedgerow type
1	H1 & 2	Native Hedgerow
2	H3	Native Hedgerow
3	N/A	Hedge Ornamental Non Native
4		
5		
6		
7		
8		
		Total Site length/KM

	Habitat distinctiveness		Habitat condition		Ecological connectivity	
length KM	Distinctiveness	Score	Condition	Score	Ecological connectivity	Connectivity
0.114	Low	2	Poor	1	Low	Unconnected habitat
0.134	Low	2	Moderate	2	Low	Unconnected habitat
0.041	V.Low	0	Poor	1	Low	Unconnected habitat
0.29						

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

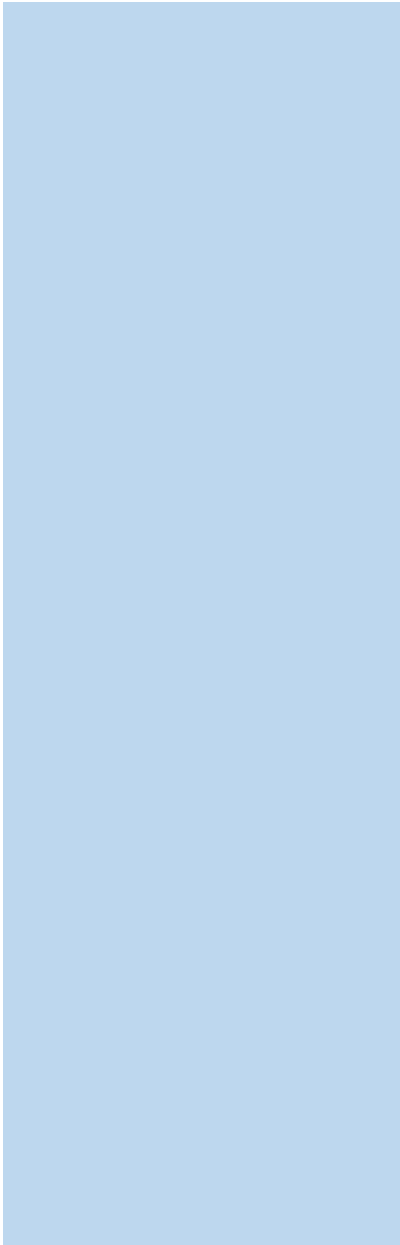
	Ecological baseline	Retention category biodiversity val			
Suggested action to address habitat losses	Total hedgerow units	Length retained	Length enhanced	Units retained	Units enhanced
Same distinctiveness band or better	0.228		0.05	0	0.1
Same distinctiveness band or better	0.536	0.134		0.536	0
Same distinctiveness band or better	0			0	0
Total Site baseline	0.76	0.13	0.05	0.54	0.10



ue		Comm
Length lost	Units lost	Assessor comments
0.064	0.128	
0	0	
0.041	0	
0.11	0.13	



[illegible]



High Street, Hanging Heaton

B-2 Site Hedge Creation

Condense / Show Columns

Condense / Show Rows

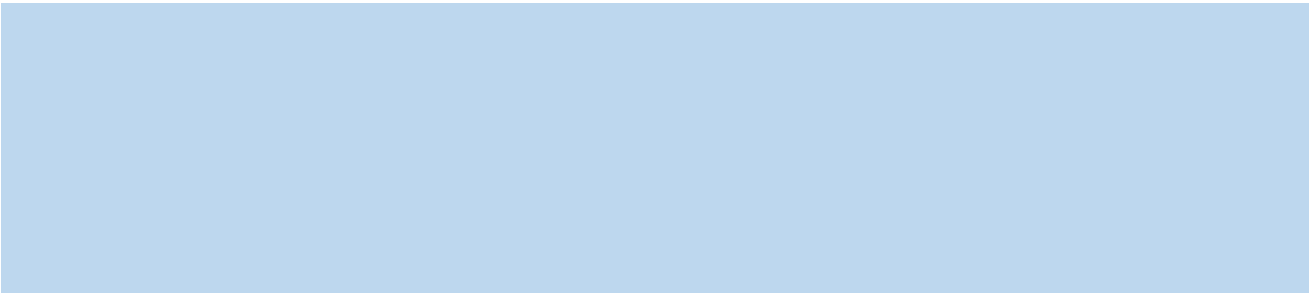
Main Menu

Instructions

		Proposed habitats
Baseline ref	New hedge number	Habitat type
1		Hedge Ornamental Non Native
2		Native Hedgerow with trees
3		
4		
5		
6		
7		
		Creation Length/KM



	Habitat distinctiveness		Habitat condition		
Length km	Distinctiveness	Score	Condition	Score	Ecological connectivity
0.165	V.Low	0	Poor	1	Low
0.1	Low	2	Moderate	2	Low
0.27					

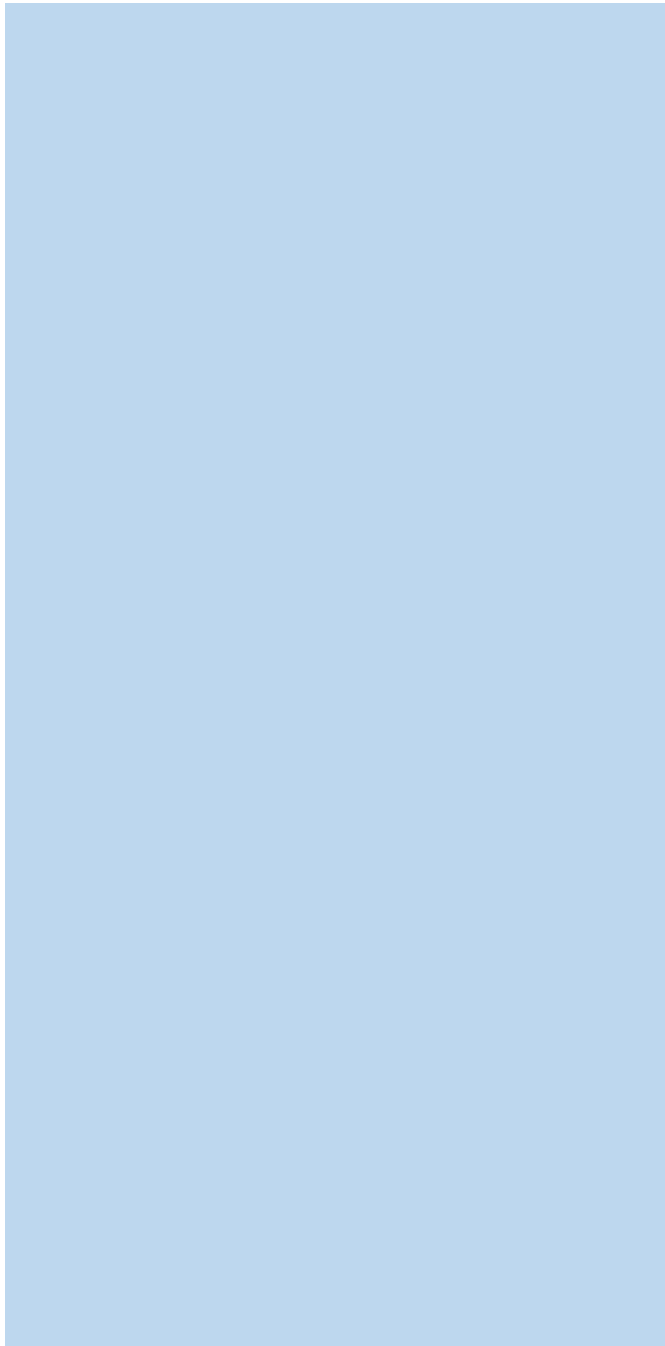


Multipliers			
Spatial quality			
Ecological connectivity		Strategic significance	
Connectivity	Connectivity multiplier	Strategic significance	Strategic significance
Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance
Unconnected habitat	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance



	Temporal multiplier		Difficulty of creation multiplier	
Strategic position multiplier	Time to target condition/years	Time to target multiplier		
1	1	0.965	1	0.00
1	10	0.700	1	0.28
				0.28

[illegible]



High Street, Hanging Heaton

B-3 Site Hedge Enhancement

Condense / Show Columns

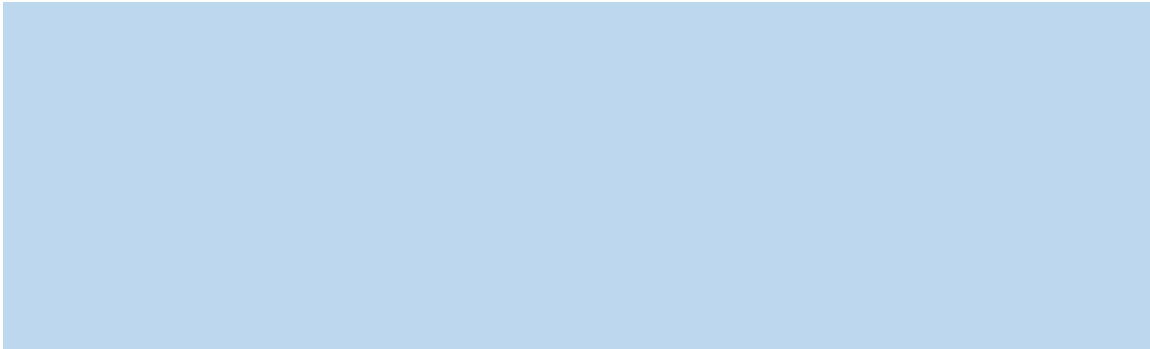
Condense / Show Rows

[Main Menu](#)

Instructions

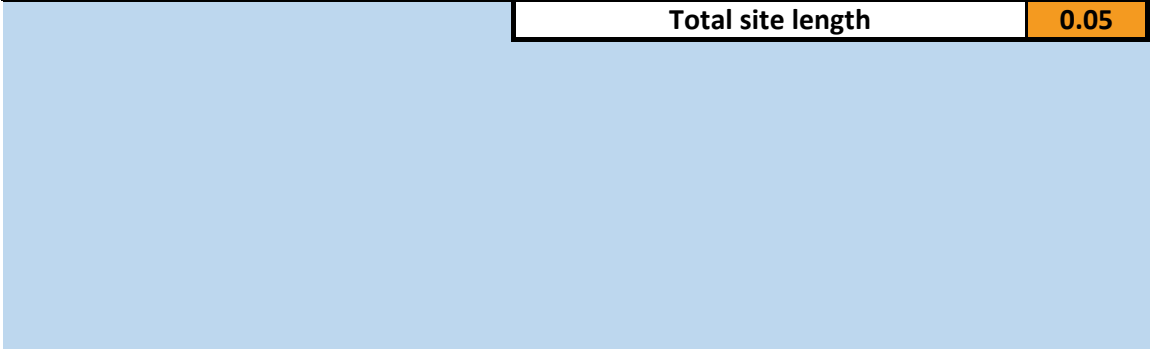
[illegible]

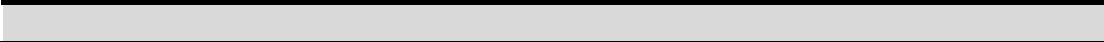
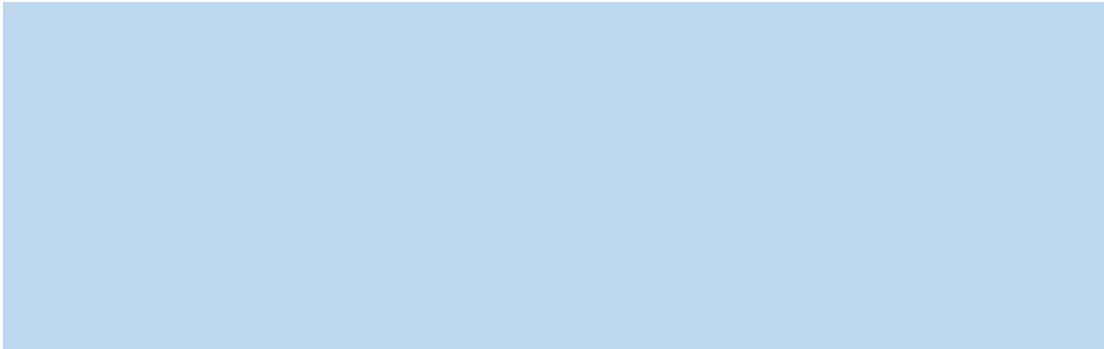
[illegible]



Post development/ post intervention habitats

Change in distinctiveness and condition		Length KM
Distinctiveness movement	Condition movement	
Low - Low	Poor - Moderate	0.05
	Total site length	0.05





Distinctiveness	Condition	Ecological connectivity	Strategic significance
			Strategic significance
Low	Moderate	Low	Area/compensation not in local strategy/ no local strategy



Temporal multiplier	Difficulty Multipliers	Hedge units delivered	Comments
Time to target condition/years	Difficulty of enhancement Category		Assessor comments
5	Low	0.18	
		0.18	

Participants

Reviewer comments

[illegible]