

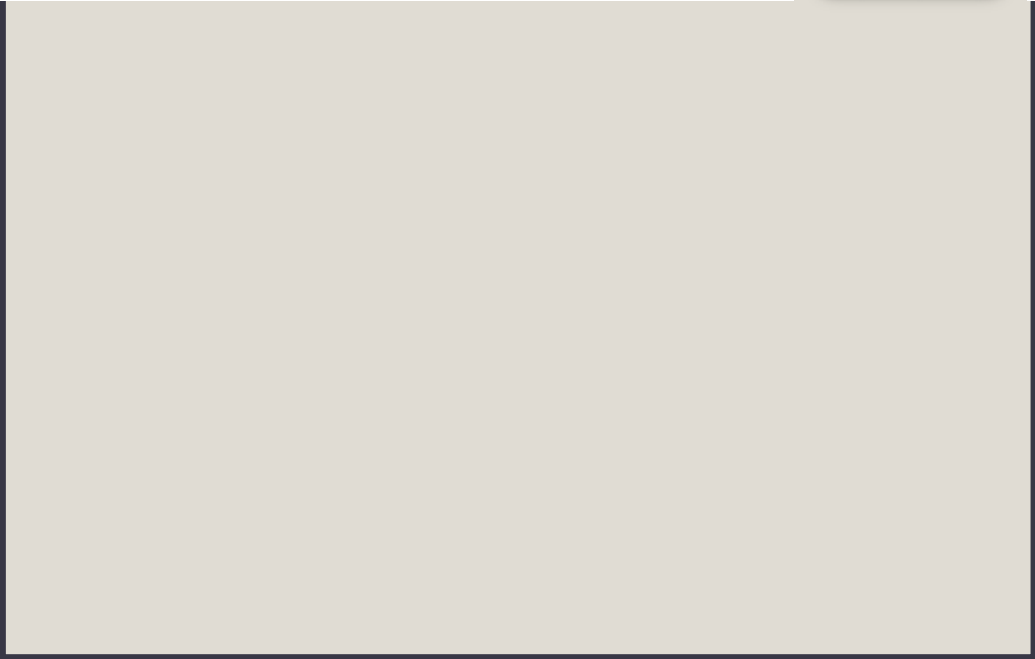
# The Biodiversity Metric Start

| Project details                                         |       |
|---------------------------------------------------------|-------|
| Planning authority:                                     | K     |
| Project name:                                           | R     |
| Applicant:                                              | J     |
| Application type:                                       | F     |
| Planning application reference:                         |       |
| Completed by:                                           | Aar   |
| Date of metric completion:                              |       |
| Reviewer:                                               | Julia |
| Version control:                                        |       |
| Consenting body reviewer:                               |       |
| Date of consenting body review:                         |       |
| Target % net gain:                                      | 10%   |
| Irreplaceable habitat present on-site at baseline:      | Yes   |
| Total site area (including irreplaceable habitat area): | 3.53  |

| Cell style conventions                                                              |          |
|-------------------------------------------------------------------------------------|----------|
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|                                                                                     |          |
|                                                                                     |          |
|                                                                                     |          |

On-site baseline map

Insert



On-site baseline map reference number



Off-site baseline map

Insert

Off-site baseline map reference number



# Form 4.0 - Calculation Tool

## Start page

|                                                                                                                                                                        |      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
|                                                                                                                                                                        |      |
| Kirklees District Council                                                                                                                                              |      |
| Kirkcaldy Avenue, Netherton                                                                                                                                            |      |
| KCS Developments Ltd                                                                                                                                                   |      |
| Residential Development                                                                                                                                                |      |
|                                                                                                                                                                        |      |
| on Bailey, SLR Consulting                                                                                                                                              |      |
| 10 November 2023                                                                                                                                                       |      |
| Kozłowska, SLR Consulting                                                                                                                                              |      |
| 1                                                                                                                                                                      |      |
|                                                                                                                                                                        |      |
|                                                                                                                                                                        |      |
| Irreplaceable habitats at baseline, you must fill in the irreplaceable habitat tab  |      |
| Irreplaceable habitat area at baseline:                                                                                                                                | 0.02 |

|                                    |
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| 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

Instructions

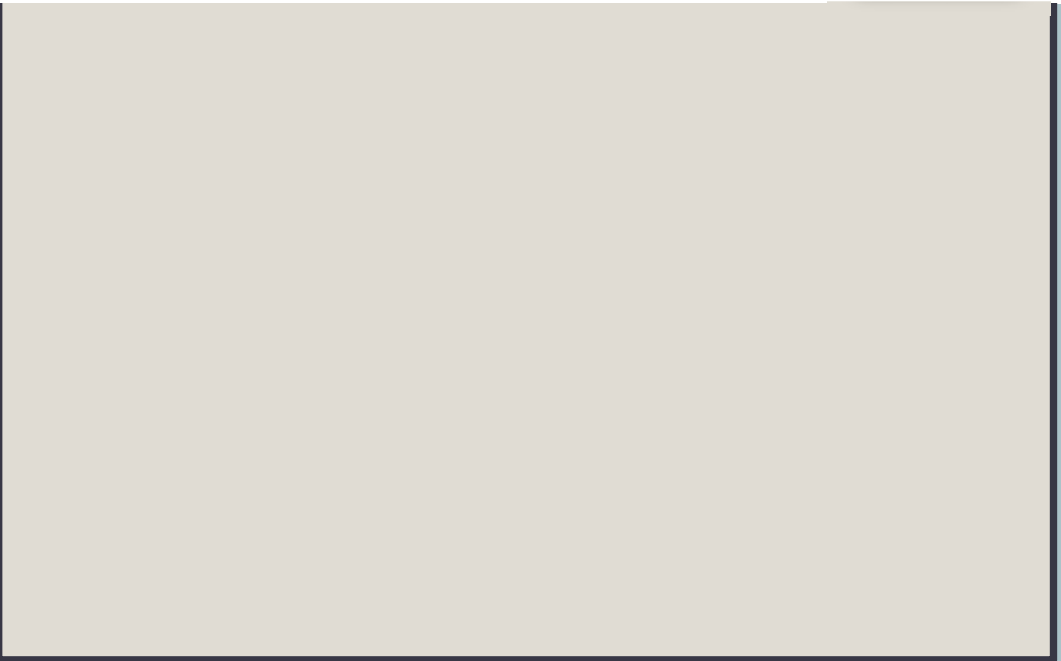
Main menu

Results

View all

Reset view

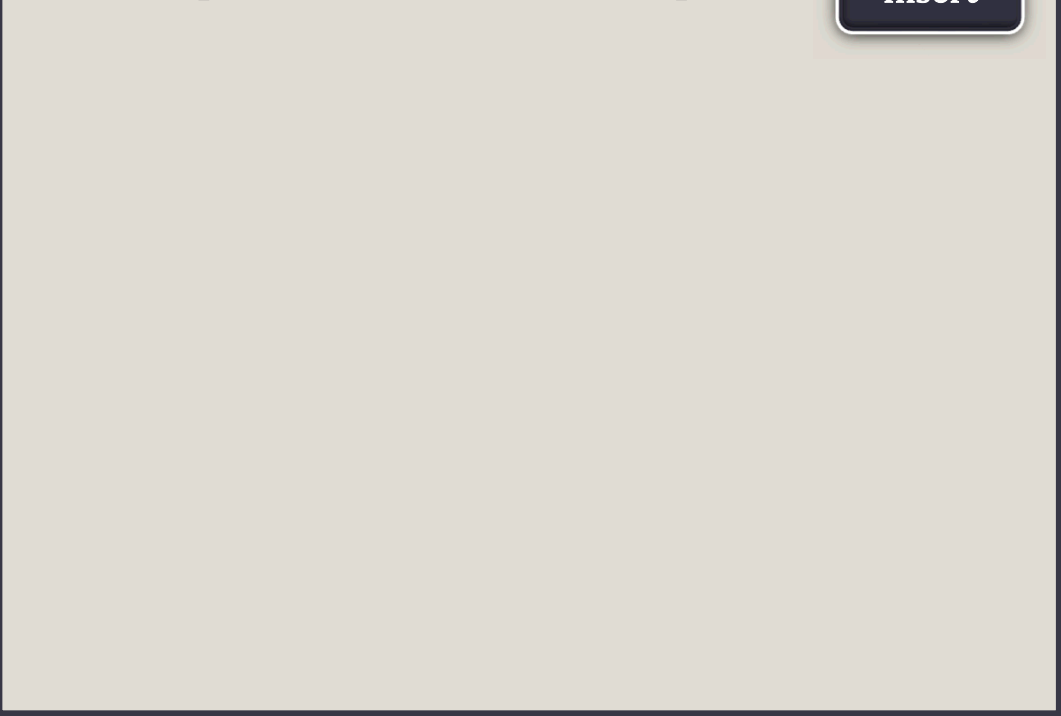
Insert



On-site post-intervention map reference number

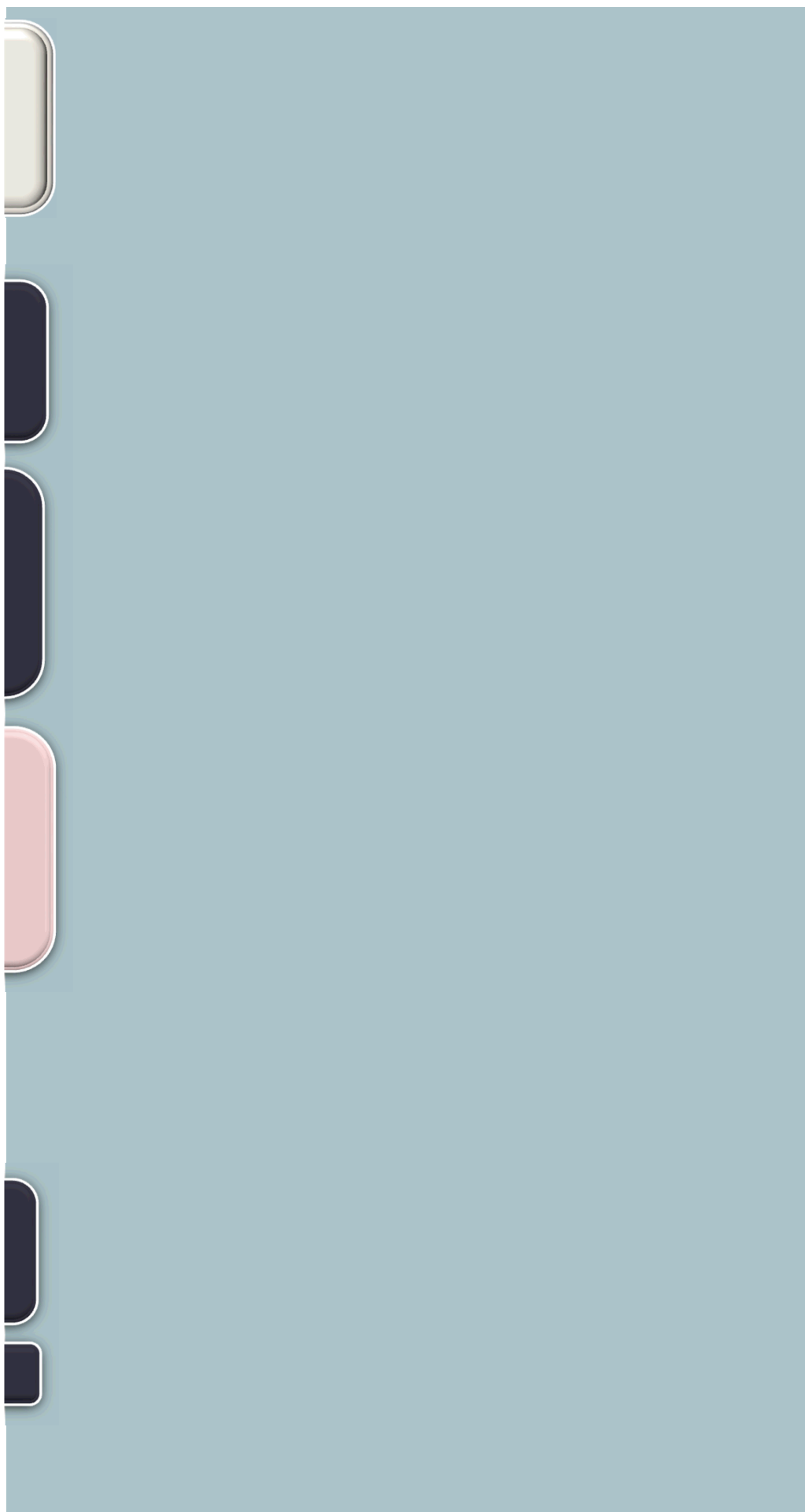
Off-site post intervention map

Insert



Off-site post-intervention reference number







👁 For further information please refer to the irreplaceable habitats section of the me

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Ancient/Veteran trees (No of trees):

| Summary table                                          |      |
|--------------------------------------------------------|------|
| <b>Area habitats</b>                                   |      |
| Total site area (ha)                                   | 0.00 |
| Total irreplaceable habitats area (ha)                 | 0.02 |
| % Area of site taken up by irreplaceable habitats (ha) | 0.00 |
| Total retained irreplaceable habitat area (ha)         | 0.02 |
| Total enhanced irreplaceable habitat area (ha)         | 0.00 |
| Total lost irreplaceable habitat area (ha)             | 0.00 |
| <b>Hedgerows</b>                                       |      |
| Total irreplaceable hedgerow length (km)               | 0.00 |
| Total retained irreplaceable hedgerow length (km)      | 0.00 |
| Total enhanced irreplaceable hedgerow length (km)      | 0.00 |
| Total lost irreplaceable hedgerow length (km)          | 0.00 |
| <b>Watercourses</b>                                    |      |
| Total irreplaceable watercourse length (km)            | 0.00 |
| Total retained irreplaceable watercourse length (km)   | 0.00 |
| Total enhanced irreplaceable watercourse length (km)   | 0.00 |

|  |                                                  |      |
|--|--------------------------------------------------|------|
|  | Total lost irreplaceable watercourse length (km) | 0.00 |
|--|--------------------------------------------------|------|

**Irreplaceable**

metric user guide.

[illegible]

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| Trees retained: |  | Trees enhanced: |  |
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| Trees lost: |  | Total number of trees: |  |
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| <b>Has bespoke compensation been agreed with the relevant consenting body?</b> |
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**Please provide a response where appropriate**

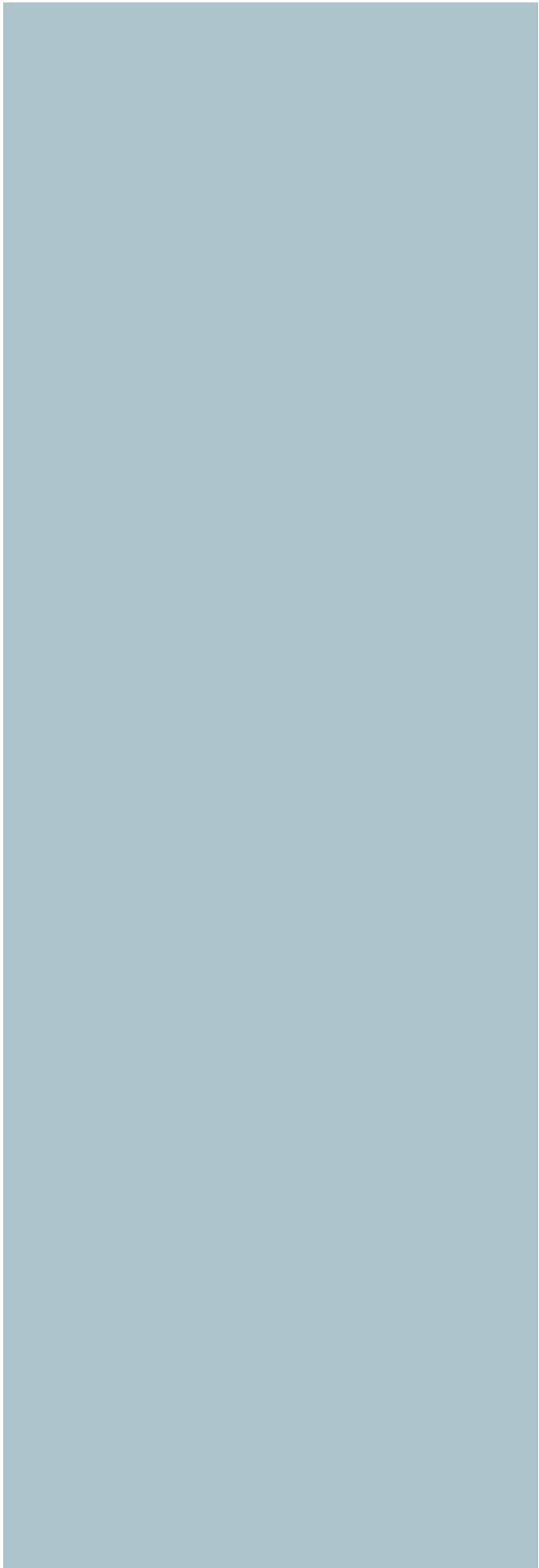
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reference to the row number within the baseline  
where this habitat is mentioned 



# The Biodiversity M M



Key  
Area habitats



Hedgerows and  
lines of trees



Watercourses

Start page

Instructi

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



A-3 On-site Area  
Habitat  
Enhancement



B-2 On-site Hedge  
Creation



B-3 On-site He  
Enhancement



C-2 On-site  
Watercourse Creation



C-3 On-site Waterc  
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



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tree helper

| Number of trees and area (ha) for each condition state |        |          |        |      |        |
|--------------------------------------------------------|--------|----------|--------|------|--------|
| Poor                                                   | Area   | Moderate | Area   | Good | Area   |
| 29                                                     | 0.1181 | 43       | 0.1751 |      | 0.0000 |
|                                                        | 0.0000 | 4        | 0.1466 |      | 0.0000 |
|                                                        | 0.0000 |          | 0.0000 |      | 0.0000 |
| 29                                                     | 0.1181 | 47       | 0.3216 | 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 - Calculated Results

[Return to start page](#)

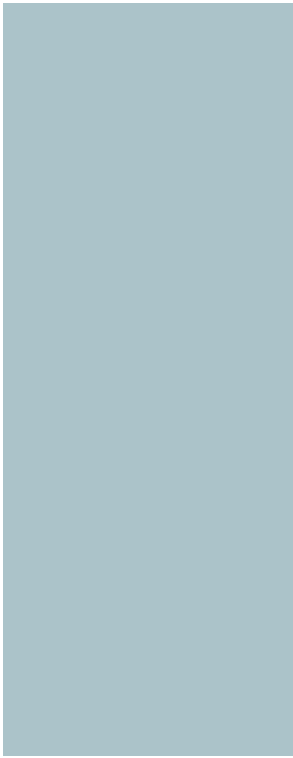
[Headline results](#)

[Detailed results](#)

ulation Tool

Habitat trading  
summaries

Off-site  
summary



Roslyn Avenue, Netherton

Headline Results

Scroll down for final results ⚠

Return to  
results menu

|                                                                                     |                   |
|-------------------------------------------------------------------------------------|-------------------|
| On-site baseline                                                                    | Habitat units     |
|                                                                                     | Hedgerow units    |
|                                                                                     | Watercourse units |
| On-site post-intervention<br>(Including habitat retention, creation & enhancement)  | Habitat units     |
|                                                                                     | Hedgerow units    |
|                                                                                     | Watercourse units |
| On-site net change<br>(units & percentage)                                          | Habitat units     |
|                                                                                     | Hedgerow units    |
|                                                                                     | Watercourse units |
|                                                                                     |                   |
| Off-site baseline                                                                   | Habitat units     |
|                                                                                     | Hedgerow units    |
|                                                                                     | Watercourse units |
| Off-site post-intervention<br>(Including habitat retention, creation & enhancement) | Habitat units     |
|                                                                                     | Hedgerow units    |
|                                                                                     | Watercourse units |
| Off-site net change                                                                 | Habitat units     |

|                                             |                   |
|---------------------------------------------|-------------------|
| Off-site net change<br>(units & percentage) | Hedgerow units    |
|                                             | Watercourse units |

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

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

|                          |     |
|--------------------------|-----|
| Trading rules satisfied? | Yes |
|--------------------------|-----|

| Unit Type                | Target | Baseline Units | Units Required |
|--------------------------|--------|----------------|----------------|
| <i>Habitat units</i>     | 10.00% | 7.62           | 8.38           |
| <i>Hedgerow units</i>    | 10.00% | 0.24           | 0.26           |
| <i>Watercourse units</i> | 10.00% | 0.00           | 0.00           |

|      |
|------|
| 7.62 |
| 0.24 |
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| 8.51 |
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| 0.89 | 11.71%   |
| 5.92 | 2465.61% |
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Unit requirement met or surpassed ✓

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| Project Name            |                     |
|                         |                     |
| Condense / Show Columns |                     |
| Main Menu               |                     |
|                         |                     |
| Ref                     | Broad Habitat       |
| 1                       | Grassland           |
| 2                       | Grassland           |
| 3                       | Woodland and forest |
| 4                       | Urban               |
| 5                       | Individual trees    |
| 6                       |                     |
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**me: Roslyn Avenue, Netherton    Map Reference:**

## A-1 On-Site Habitat Baseline

Columns

Condense / Show Rows

## Instructions

## Existing area habitats

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|                                                                |               |
|                                                                |               |
| Total habitat area                                             | 3.53          |
| Site Area (Excluding area of Individual trees and Green walls) | 3.51          |
|                                                                |               |
| M <sup>2</sup> to hectares conversion tool:                    | Select a unit |



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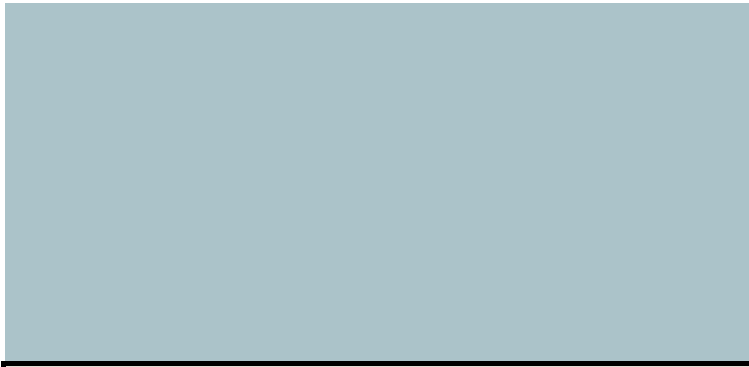
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| Project N           |
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| Condense / Sh       |
| Main M              |
|                     |
| Broad Habitat       |
| Urban               |
| Urban               |
| Heathland and shrub |
| Grassland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

[illegible]

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Name: Roslyn Avenue, Netherton    Map Reference:

A-2 On-Site Habitat Creation

Show Columns

Condense / Show Rows

Menu

Instructions

| Proposed habitat               |
|--------------------------------|
| Developed land; sealed surface |
| Vegetated garden               |
| Mixed scrub                    |
| Other neutral grassland        |
| Modified grassland             |
| Other neutral grassland        |
| Other neutral grassland        |
| Traditional orchards           |

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

| Area habitat summary                                    |  |
|---------------------------------------------------------|--|
| Total Net Unit Change                                   |  |
| Total Net % Change                                      |  |
| Trading Rules Satisfied                                 |  |
| Area Check (excluding individual trees and green walls) |  |

| Area (hectares) | Distinctiveness |       | Condition                |       |
|-----------------|-----------------|-------|--------------------------|-------|
|                 | Distinctiveness | Score | Condition                | Score |
| 1.4718          | V.Low           | 0     | N/A - Other              | 0     |
| 1.0928          | Low             | 2     | Condition Assessment N/A | 1     |
| 0.0428          | Medium          | 4     | Fairly Poor              | 1.5   |
| 0.2513          | Medium          | 4     | Moderate                 | 2     |
| 0.2487          | Low             | 2     | Poor                     | 1     |
| 0.0136          | Medium          | 4     | Moderate                 | 2     |
| 0.1896          | Medium          | 4     | Moderate                 | 2     |
| 0.0528          | High            | 6     | Moderate                 | 2     |

[illegible]

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| Select a unit | Hectares | M² |
|---------------|----------|----|
|               |          |    |

|                   |
|-------------------|
| nary              |
| 0.89              |
| 11.71%            |
| Yes ✓             |
| Area Acceptable ✓ |

| 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                             |
| Location ecologically desirable but not in local strategy  | Medium strategic significance | 1.1                           |
| 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                             |
| Formally identified in local strategy                      | High strategic significance   | 1.15                          |

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Post development/ post intervention habitats

| Standard time to target condition (years) | Habitat created in advance (years) | Delay in starting habitat creation (years) |
|-------------------------------------------|------------------------------------|--------------------------------------------|
| 0                                         |                                    |                                            |
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A 'Fairly' Category

**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     | 0                                      | 1.000                           |
| Standard time to target condition applied     | 1                                      | 0.965                           |
| Standard time to target condition applied     | 3                                      | 0.899                           |
| Standard time to target condition applied     | 5                                      | 0.837                           |
| Standard time to target condition applied     | 1                                      | 0.965                           |
| Standard time to target condition applied     | 5                                      | 0.837                           |
| Standard time to target condition applied     | 5                                      | 0.837                           |
| Standard time to target condition applied     | 20                                     | 0.490                           |

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gory has been used - check evidence to ensure this is appropriate **⚠**

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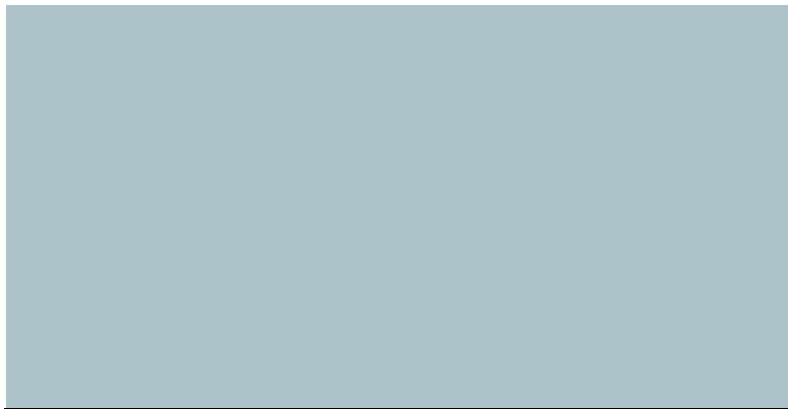
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| Habitat units delivered | Cor                                                                                                                                                                                                                                                               |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | User comments                                                                                                                                                                                                                                                     |
| 0.00                    | Roads, footpaths, buildings etc.                                                                                                                                                                                                                                  |
| 2.11                    | Front and rear gardens. *This figure is lower than on the Landscape Plan figures, due to the woodland overhang.                                                                                                                                                   |
| 0.25                    | Scrub as part of northern buffer [Expected condition Fairly Poor*; failing condition criteria: B, E. Partially fails criterion D as only part of the scrub (east end) would pass. Hence why condition of 'Fairly Poor' has been used instead of Poor or Moderate] |
| 1.68                    | EM10 Tussocky grassland. *This figure is lower than on the Landscape Plan figures, due to the woodland overhang. [Expected condition Moderate; failing condition criteria: F]                                                                                     |
| 0.48                    | EG22 - Strong lawn mixture. 'Childrens play space with amenity area'. [Expected condition Poor; failing condition criteria: A, B, D]                                                                                                                              |
| 0.09                    | EL1 - Flowering mixture. [Expected condition Moderate; failing condition criteria: B, F]                                                                                                                                                                          |
| 1.27                    | EM3 - Special general purpose meadow mixture. [Expected condition Moderate; failing condition criteria: B, F]                                                                                                                                                     |
| 0.36                    | Traditional Orchards are identified within 'Kirklees BAP - Habitats of Principal Importance'. Grassland mix - EL1. [Expected condition Moderate; failing condition criteria: A, B, F]                                                                             |

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**Project Name**

**F**

Condense / Show C

Main Menu

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Address: Roslyn Avenue, Netherton Map Reference:

### B-1 On-Site Hedge Baseline

## Columns

Condense / Show Rows

## Instructions

### Existing hedgerow habitats

[illegible]

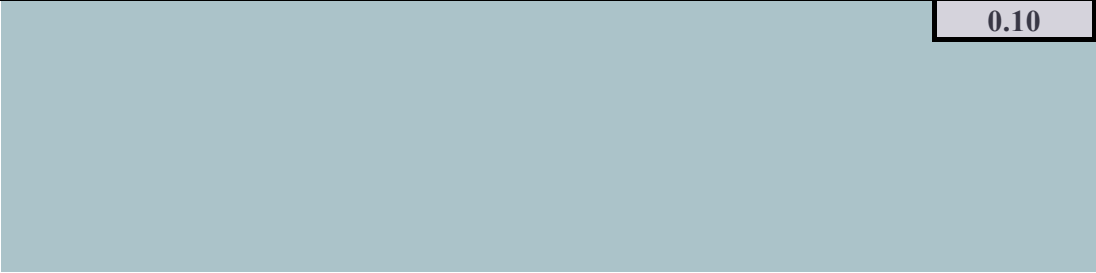
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## Hedgerov

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| <b>Total Net Unit Change</b> |
|------------------------------|

| Total Net % Change |       |
|--------------------|-------|
| 2019               | 10.0% |
| 2020               | 10.0% |
| 2021               | 10.0% |
| 2022               | 10.0% |
| 2023               | 10.0% |
| 2024               | 10.0% |
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| 2098               | 10.0% |
| 2099               | 10.0% |
| 2100               | 10.0% |

## Trading Rules Satisfied

[illegible]

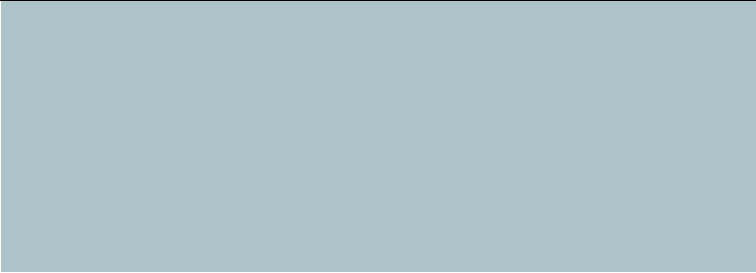
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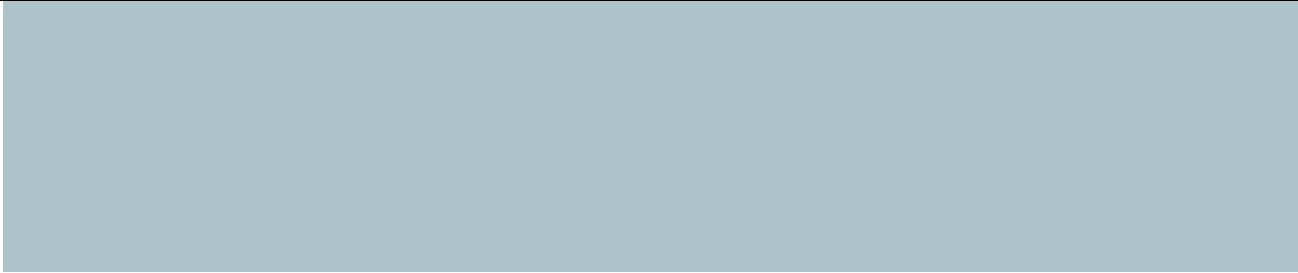
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## **Comments**

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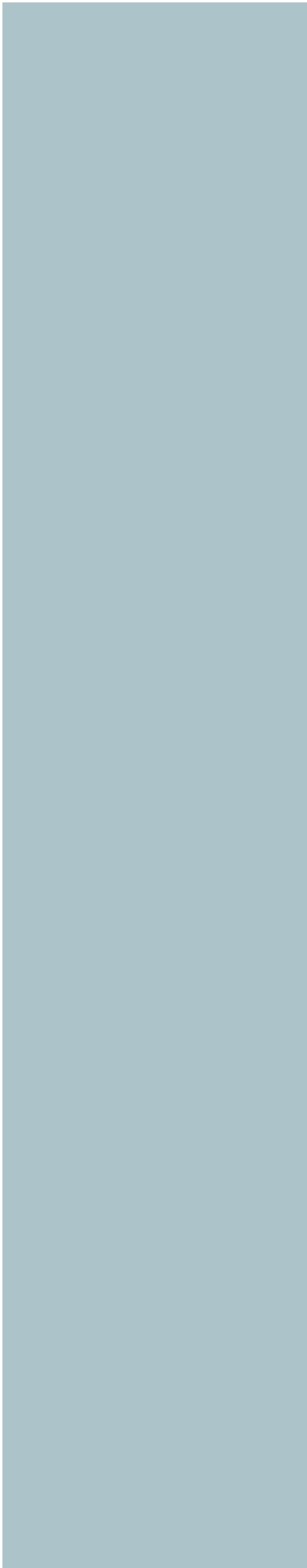
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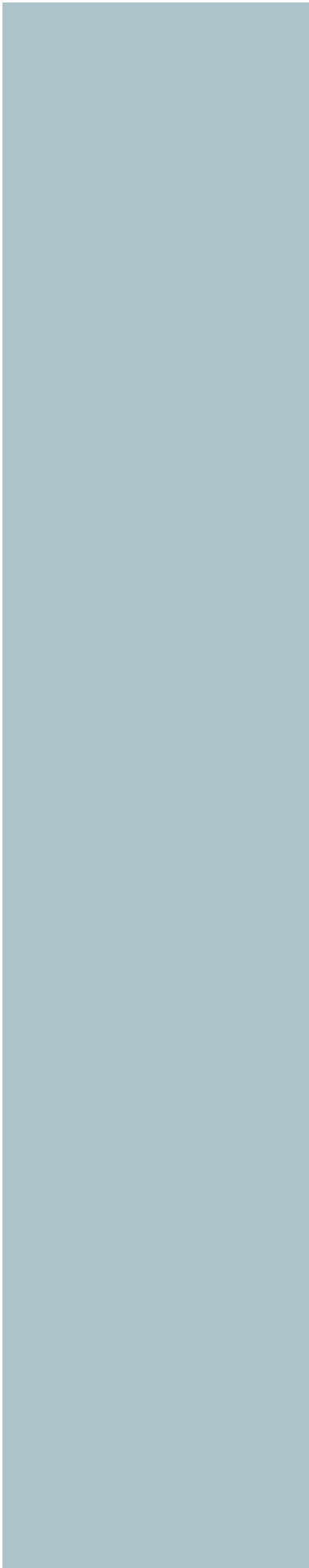
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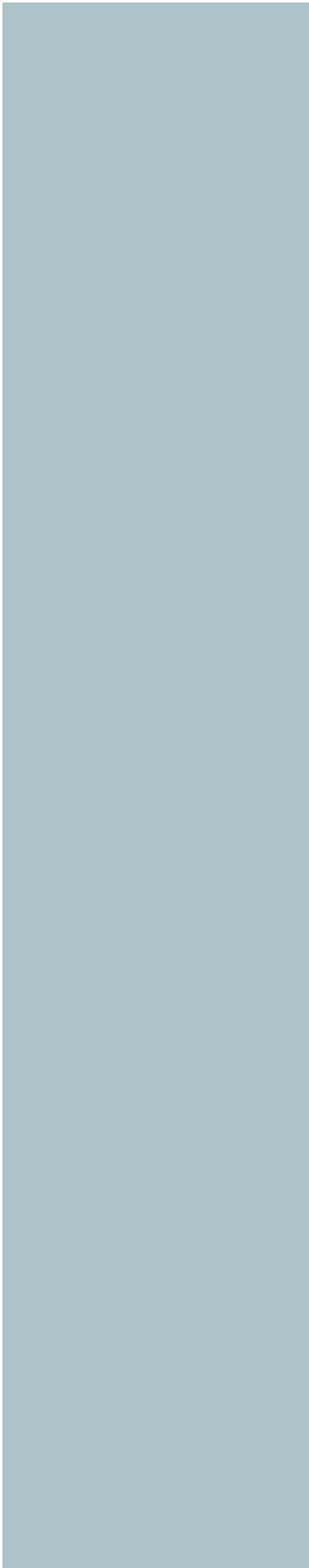
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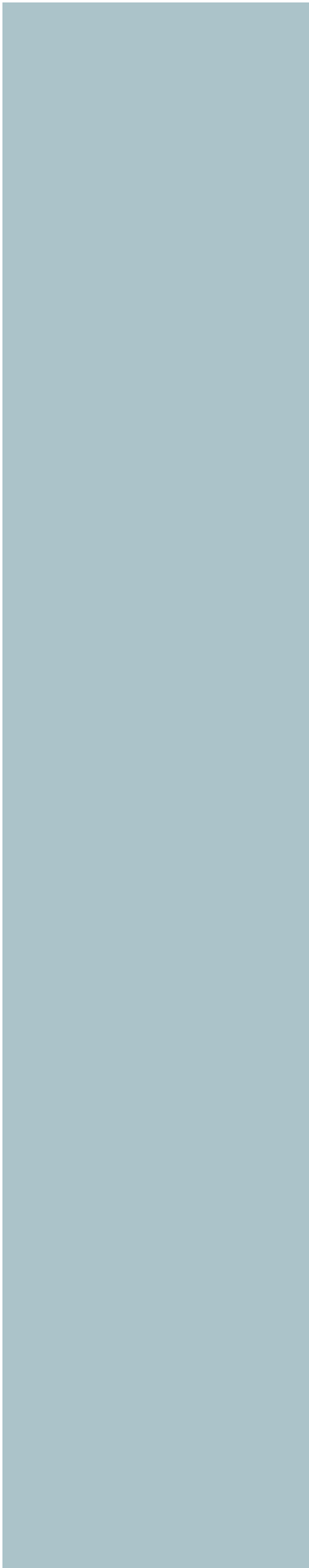
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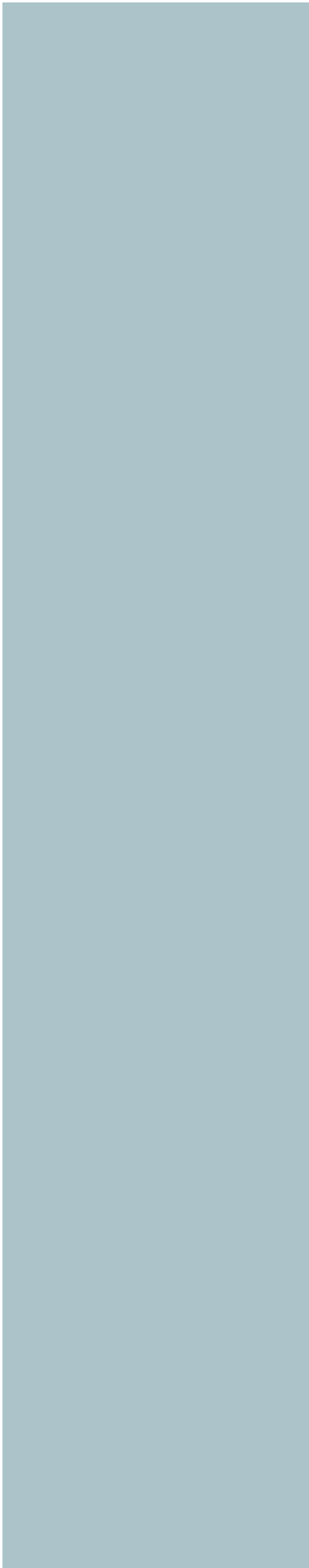
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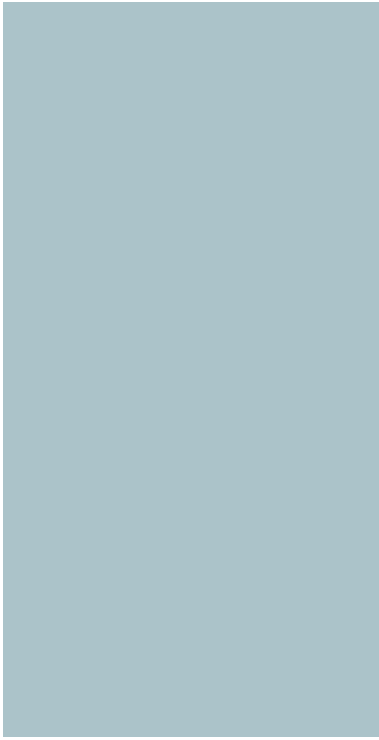












Project Name

E

Condense / Show

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**Address:** Roslyn Avenue, Netherton      **Map Reference:**

### B-2 On-Site Hedge Creation

## Columns

Condense / Show Rows

hu

## Instructions

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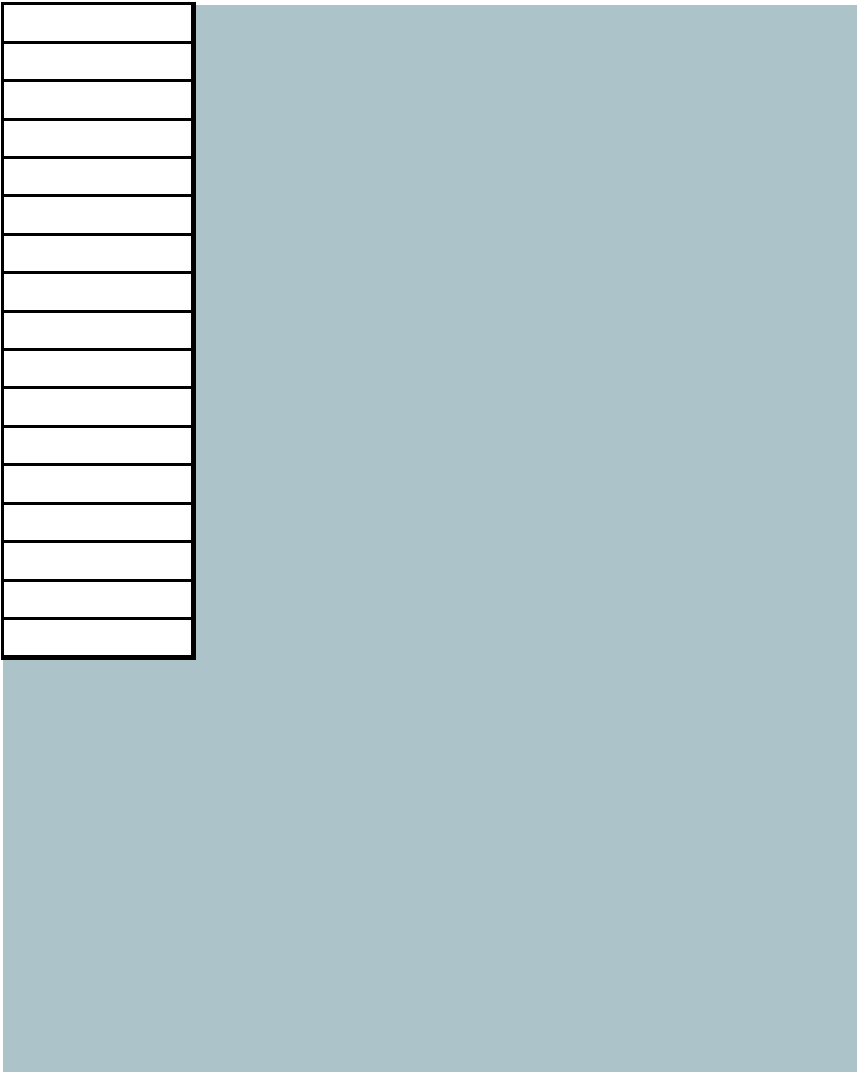
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# The Biodiversity Metric 4.0 - Calculator

## Technical Data

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# Calculation Tool

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Multipliers

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data

Phase 1 - metric  
habitat translation tool

