

**Site name: 81 Grove Road****Planning reference number: CLC2023/00103**

| <b>Existing</b>                                 | <b>Habitat Area (ha)</b> | <b>Hedgerow impact (km)</b> | <b>Features</b> | <b>Biodiversity</b> | <b>Hedgerow</b> | <b>Biodiversity</b> |
|---|--------------------------|-----------------------------|-----------------|---------------------|-----------------|---------------------|
| Onsite Biodiversity Impact                      | 0.0442                   | 0.0000                      | 0.00            | 0.1532              | 0.0000          | 0.00                |
| Indirect Biodiversity Impact                    | 0.0000                   | 0.0000                      | 0.00            | 0.0000              | 0.0000          | 0.00                |
| <b>Total habitat / linear features impacted</b> | <b>0.0442</b>            | <b>0.0000</b>               | <b>0.00</b>     | <b>0.1532</b>       | <b>0.0000</b>   | <b>0.00</b>         |
| <b>Retained / Created / Enhanced</b>            |                          |                             |                 |                     |                 |                     |
| Onsite biodiversity retained                    | 0.0618                   | 0.0000                      | 0.00            | 0.1296              | 0.0000          | 0.00                |
| Onsite Creation                                 | 0.0557                   | 0.0000                      | 0.00            | 0.1069              | 0.0000          | 0.00                |
| Biodiversity retained and enhanced              | 0.0127                   | 0.0000                      | 0.00            | 0.0762              | 0.0000          | 0.00                |
| <b>Total biodiversity retained/enhanced</b>     | <b>0.1302</b>            | <b>0.0000</b>               | <b>0.00</b>     | <b>0.3127</b>       | <b>0.0000</b>   | <b>0.00</b>         |
| <b>Trading Down</b>                             | n/a                      | n/a                         | n/a             | 0.0000              | 0.0000          | 0.00                |
| <b>Biodiversity Impact</b>                      | n/a                      | n/a                         | n/a             | <b>0.1595</b>       | <b>0.0000</b>   | <b>0.00</b>         |

| <b>Habitat Impacts</b>          | <b>Loss</b> | <b>Gain</b>  | <b>Impact</b>  | <b>%age losses</b> | <b>Compensatory Unit loss</b> | <b>Indicative Offset (ha)</b> | <b>LBS Offset units</b> | <b>LBS Offset Contribution</b> |
|---------------------------------|-------------|--------------|----------------|--------------------|-------------------------------|-------------------------------|-------------------------|--------------------------------|
| Woodland Habitat                | 0.0000      | 0.1649       | <b>0.1649</b>  |                    |                               |                               |                         |                                |
| Grassland Habitat               | 0.0000      | 0.0000       | <b>0.0000</b>  |                    |                               |                               |                         |                                |
| Wetland Habitat                 | 0.0000      | 0.0087       | <b>0.0087</b>  |                    |                               |                               |                         |                                |
| Other Habitat (incl. Built Env) | 0.0236      | 0.0095       | <b>-0.0141</b> |                    |                               | N/A                           |                         | £0.00                          |
| <b>Total</b>                    | 0.0236      | 0.1831       | <b>0.1595</b>  | 0                  | 0.0000                        | 0.0000                        | 0.0000                  | <b>£0.00</b>                   |
|                                 |             | Trading down | <b>0.0000</b>  |                    |                               |                               |                         |                                |
|                                 |             |              | <b>0.1595</b>  |                    |                               |                               |                         |                                |

The London Borough of Sutton charges a tariff for 'Other' loss at £93,570 per unit

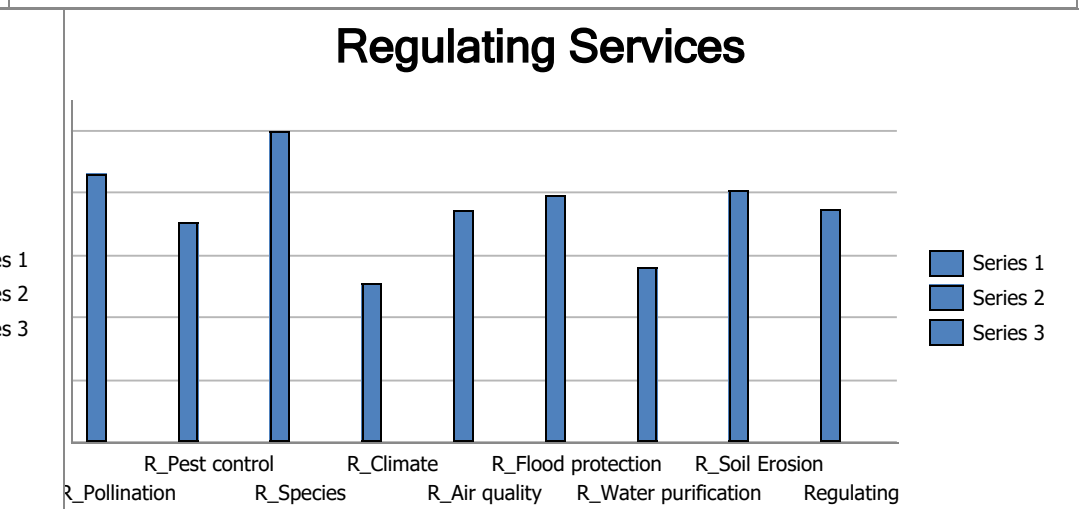
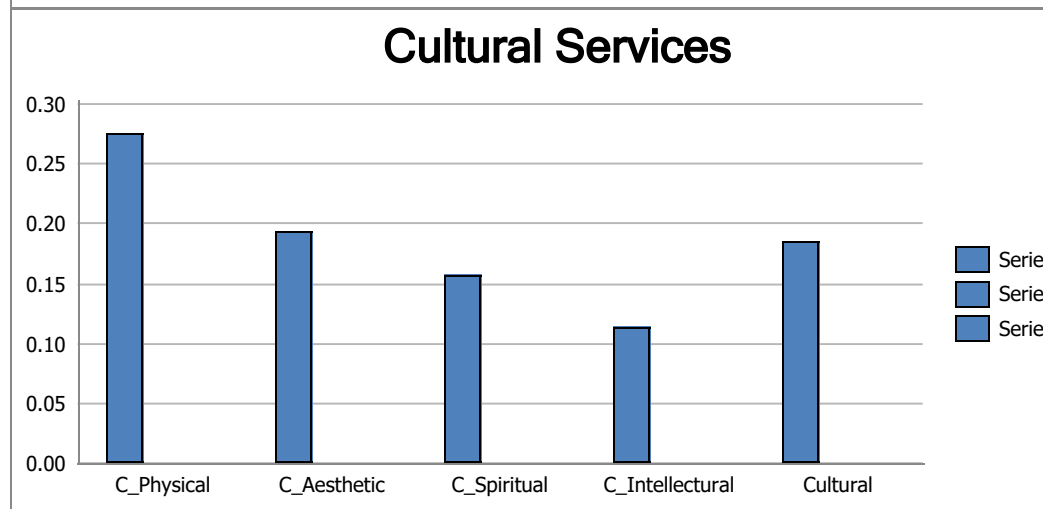
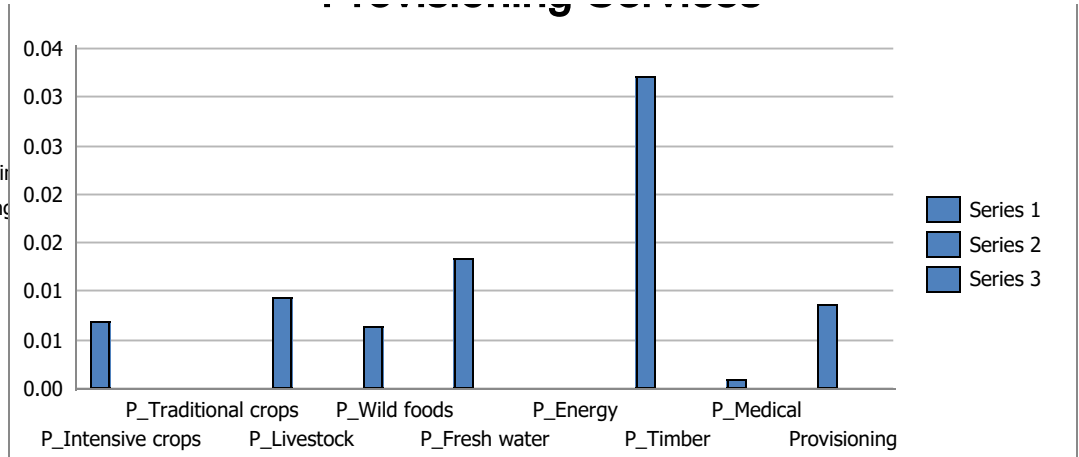
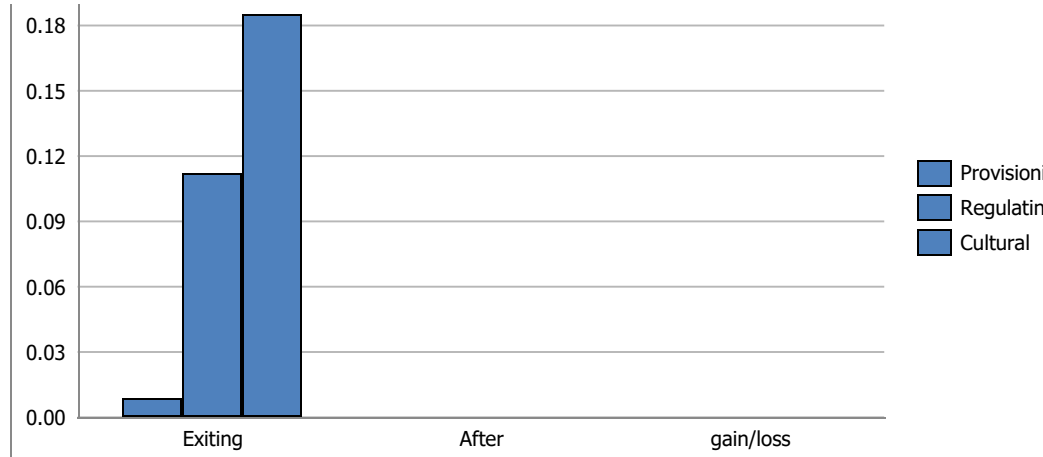
| <b>Hedgerow Impacts</b> | <b>Loss</b> | <b>Gain</b> | <b>Trading down</b> | <b>Impact</b> | <b>Unit loss</b> | <b>Offset (ha)</b> | <b>units</b> | <b>Contribution</b> |
|-------------------------|-------------|-------------|---------------------|---------------|------------------|--------------------|--------------|---------------------|
| Hedgerow                | 0.00        | 0.00        |                     | <b>0.00</b>   |                  |                    |              |                     |

**SUMMARY**

This development will result in 0.1595 Habitat Biodiversity Units gain; 0 Hedgerow Units loss and 0 Connectivity Biodiversity Units loss

**ECOSYSTEM SERVICES ANALYSIS**

|  |                              |
|--|------------------------------|
|  | <b>Provisioning Services</b> |
|--|------------------------------|



For any questions with regard to biodiversity impact and this development please contact the London Borough of Sutton Senior Biodiversity Officer:  
 email: [biodiversity@sutton.gov.uk](mailto:biodiversity@sutton.gov.uk) or telephone 020 8770 4203























































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|--|--------|-------|--------|--|--|--|--|--------|---|----------------------------|-------------|
|  | Before |       |        |  |  |  |  |        |   |                            |             |
|  | After  |       |        |  |  |  |  |        |   |                            |             |
|  |        | Total | 0.0000 |  |  |  |  | 0.0000 | M |                            | HIS = J + M |
|  |        |       |        |  |  |  |  |        |   | Habitat Impact Score (HIS) | 0.0236      |

| T. Note             | Proposed habitats on site<br>(Onsite mitigation) |                             |           | Target habitats distinctiveness   |          | Target habitat condition |       | Time till target condition |       | Difficulty of creation / restoration |  | Habitat biodiversity value |
|---------------------|--|-----------------------------|-----------|---|----------|--------------------------|-------|----------------------------|-------|--------------------------------------|--|----------------------------|
|                     | code   | Phase 1 habitat description | Area (ha) | Distinctiveness   | Score    | Condition                | Score | Time (years)               | Score | Difficulty                           | Score                                    |                            |
| Habitat Creation    |  |                             | N         |   | O        |                          | P     |                            | Q     |                                      | R  | R                          |
| n/a                 | Built Environment: Gardens (lawn and planting)   | 0.0040                      | Low       | 2   | Poor     | 1                        |       | 3 Years                    | 1.1   | Low                                  | 1  | 0.0073                     |
| n/a                 | Built Environment: Buildings/hardstanding        | 0.0213                      | none      | 0   | Poor     | 1                        |       | 3 Years                    | 1.1   | Low                                  | 1  | 0.0000                     |
| n/a                 | Built Environment: Buildings/hardstanding        | 0.0164                      | none      | 0   | Poor     | 1                        |       | 3 Years                    | 1.1   | Low                                  | 1  | 0.0000                     |
| G1                  | Wetland: Standing water                          | 0.0012                      | High      | 6   | Moderate | 2                        |       | 3 Years                    | 1.1   | Medium                               | 1.5                                      | 0.0087                     |
| n/a                 | Other: Living roof - Extensive sedum             | 0.0006                      | Low       | 2   | Moderate | 2                        |       | 3 Years                    | 1.1   | Low                                  | 1  | 0.0022                     |
| A3                  | Woodland: Scattered trees                        | 0.0122                      | Medium    | 4   | Moderate | 2                        |       | 3 Years                    | 1.1   | Low                                  | 1  | 0.0887                     |
| Total               |  |                             | 0.0557    | ERROR - Total area of habitats created must equal total area of habitats lost |          |                          |       |                            |       |                                      |  |                            |
| Habitat Enhancement |  |                             |           |   |          |                          |       |                            |       |                                      |  | ((NxOxP)-S)/Q/R            |
| A3                  | Woodland: Scattered trees                        | 0.0127                      | Medium    | 4   | Good     | 3                        |       | 20 years                   | 2     | Low                                  | 1  | 0.08                       |
| Total               |  |                             | 0.0127    |   |          |                          |       |                            |       |                                      |  |                            |
|                     |  |                             |           |   |          |                          |       |                            |       |                                      | Trading down correction value            | 0.0000                     |
|                     |  |                             |           |   |          |                          |       |                            |       |                                      | <b>Habitat Mitigation Score (HMS)</b>    | <b>0.1831</b>              |
|                     |  |                             |           |   |          |                          |       |                            |       |                                      | HBIS = HMS - HIS                         |                            |
|                     |  |                             |           |   |          |                          |       |                            |       |                                      | <b>Habitat Biodiversity Impact Score</b> | <b>0.1595</b>              |
|                     |  |                             |           |   |          |                          |       |                            |       |                                      | Percentage of biodiversity impact loss   |                            |

|   | Loss   | Gain   | Impact        |
|---|--------|--------|---------------|
| Woodland Habitat                            | 0.0000 | 0.1649 | 0.1649        |
| Grassland Habitat                           | 0.0000 | 0.0000 | 0.0000        |
| Wetland Habitat                             | 0.0000 | 0.0087 | 0.0087        |
| Other Habitat (including Built Environment) | 0.0236 | 0.0095 | -0.0141       |
| <b>Total</b>                                | 0.0236 | 0.1831 | <b>0.1595</b> |
|   |        | down   | 0.0000        |
|   |        |        | <b>0.1595</b> |



































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**Comments and justification for habitat type and condition**

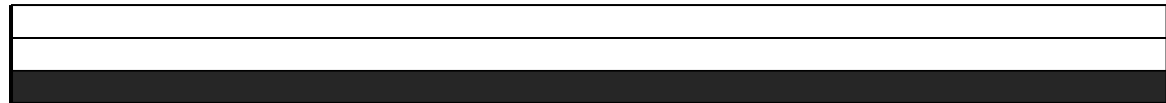
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This section was 'artificial unvegetated, unsealed surface', however this is not an option in the Sut

Individual trees in the garden

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*Comments and justification for habitat type, condition value and temporal risk (in different for 'Habitat Details' default scoring).*

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Gain





















































































































# London Borough of Sutton - Hedge Impact Assessment

| KEY |                    |
|-----|--------------------|
|     | No action required |
|     | Enter value        |
|     | Drop-down menu     |
|     | Calculation        |
|     | Automatic lookup   |
|     | <b>Result</b>      |

This sheet calculates around the site.

These units are or Connectivity I

| Existing Hedgerow features on site          |        |                              |             | Hedgerow distinctiveness |
|---|--------|------------------------------|-------------|--------------------------|
| T. Note                                     | code   | Hedgerow habitat description | length (km) | Distinctiveness          |
| <b>Direct Impacts and retained features</b> |        |                              |             |                          |
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|   |        |                              |             |                          |
| Total                                       |        |                              | 0.000       |                          |
| <b>Indirect Negative Impacts</b>            |        |                              |             |                          |
|   |        |                              | K           |                          |
|   | Before |                              |             |                          |
|   | After  |                              |             |                          |
|   | Before |                              |             |                          |
|   | After  |                              |             |                          |
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|   | After  |                              |             |                          |
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|   | After  |                              |             |                          |
|   | Before |                              |             |                          |
|   | After  |                              |             |                          |
| Total                                       |        |                              | 0.000       |                          |

| Proposed hedge features on site (Onsite mitigation) |      |                             |      | Target hedge distinctiveness |
|---|------|-----------------------------|------|------------------------------|
| T. Note   | code | Phase 1 habitat description | (km) | Distinctiveness              |
| <b>Hedgerow Creation</b>                            |      |                             |      | N                            |
|   |      |                             |      |                              |
|   |      |                             |      |                              |
|   |      |                             |      |                              |





































# Impact Calculator

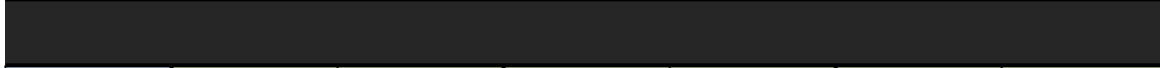
Quantifies the impacts to hedges and lines of trees in and

are not transferrable as compensation for either the Habitat Impact Assessment scores.

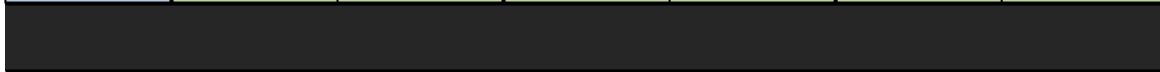
| Impactiveness | <a href="#">Hedgerow condition assessments (Tab</a> |    |    |    |    |    |
|---------------|---|----|----|----|----|----|
| Score         | A1  | A2 | B1 | B2 | C1 | C2 |
| A             |   |    |    |    |    |    |
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| Hedge<br>Impactiveness | <a href="#">Hedgerow condition assessments (Tab</a> |    |    |    |    |    |
|------------------------|---|----|----|----|----|----|
| Score                  | A1  | A2 | B1 | B2 | C1 | C2 |
| O                      |   |    |    |    |    |    |
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Please fill in both tables

Please do not edit the formulae in the cells that are vacant  
 If additional rows are required or to provide feedback on the form please contact biodiversity@

| 8)           |    |       | Hedgerow features to be retained with no change within development |        | Hedgerow Biodiversity Val<br>Hedgerow features to be retained and enhanced within development |               |
|--------------|----|-------|--|--------|---|---------------|
|              |    |       | Length (km)  | value  | Length (km)   | value         |
| D1           | D2 | Score | C  | D      | E   | A x B x E = F |
|              |    |       |  |        |   |               |
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| Totals       |    |       | 0.000  | 0.0000 | 0.000   | 0.0000        |
| Site Hedge B |    |       |  |        |   |               |
|              |    |       | Value of loss from indirect impacts<br>= Li, Lii                   |        | Li - Lii  |               |
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| Hedge Impa   |    |       |  |        |   |               |

| 8) |    |       | Time till target condition |       | Difficulty<br>rest |
|----|----|-------|----------------------------|-------|--------------------|
|    |    |       | Time (years)               | Score | Difficulty         |
| D1 | D2 | Score | Q                          |       |                    |
|    |    |       |                            |       |                    |
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**Habitat trading down correction calculator**

**Existing Site**

| Existing habitat                               | habitat | Distinctiveness | distinctiveness habitat loss |
|--|---------|-----------------|------------------------------|
| Direct impacts                                 |         |                 |                              |
| Built Environment: Buildings/hardstanding      | 0.0181  | none            | 0.00                         |
| Built Environment: Buildings/hardstanding      | 0.0060  | none            | 0.00                         |
| Built Environment: Buildings/hardstanding      | 0.0070  | none            | 0.00                         |
| Other: Introduced shrub                        | 0.0002  | Low             | 0.00                         |
| Other: Introduced shrub                        | 0.0006  | Low             | 0.00                         |
| Built Environment: Gardens (lawn and planting) | 0.0068  | Low             | 0.00                         |
| Built Environment: Gardens (lawn and planting) | 0.0042  | Low             | 0.00                         |
| Wetland: Standing water                        | 0.0000  | High            | 0.0000                       |
| Woodland: Scattered trees                      | 0.0013  | Medium          | 0.00                         |
| 0.0000   |         |                 | 0.00                         |
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| Indirect impacts                               |         |                 |                              |
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| 0.0000   | 0.0000  |                 | 0.00                         |
| 0.0000   | 0.0000  |                 | 0.00                         |
| TOTAL  |         | 0.0442          | 0.0000                       |

**Proposed Site**

| Proposed habitat creation                 | habitat | Distinctiveness | distinctiveness proposed |
|---|---------|-----------------|--------------------------|
|   | 0.0040  | Low             | 0.00                     |
| Built Environment: Buildings/hardstanding | 0.0213  | none            | 0.00                     |
| Built Environment: Buildings/hardstanding | 0.0164  | none            | 0.00                     |
| Wetland: Standing water                   | 0.0012  | High            | 0.0087                   |
| Other: Living roof - Extensive sedum      | 0.0006  | Low             | 0.00                     |
| Woodland: Scattered trees                 | 0.0122  | Medium          | 0.00                     |
| 0.0000                                    | 0.0000  |                 | 0.00                     |
| 0.0000                                    | 0.0000  |                 | 0.00                     |
| 0.0000                                    | 0.0000  |                 | 0.00                     |
| 0.0000                                    | 0.0000  |                 | 0.00                     |
| 0.0000                                    | 0.0000  |                 | 0.00                     |
| 0.0000                                    | 0.0000  |                 | 0.00                     |
| 0.0000                                    | 0.0000  |                 | 0.00                     |
| 0.0000                                    | 0.0000  |                 | 0.00                     |
| 0.0000                                    | 0.0000  |                 | 0.00                     |
| 0.0000                                    | 0.0000  |                 | 0.00                     |
| 0.0000                                    | 0.0000  |                 | 0.00                     |
| Proposed habitat enhancement              | Area    | Distinctiveness | High                     |
| Woodland: Scattered trees                 | 0.0127  | Medium          | 0.00                     |
| 0.0000                                    | 0.0000  |                 | 0.00                     |
| 0.0000                                    | 0.0000  |                 | 0.00                     |
| 0.0000                                    | 0.0000  |                 | 0.00                     |
| 0.0000                                    | 0.0000  |                 | 0.00                     |
| 0.0000                                    | 0.0000  |                 | 0.00                     |
| 0.0000                                    | 0.0000  |                 | 0.00                     |
| 0.0000                                    | 0.0000  |                 | 0.00                     |
| 0.0000                                    | 0.0000  |                 | 0.00                     |
| 0.0000                                    | 0.0000  |                 | 0.00                     |
| 0.0000                                    | 0.0000  |                 | 0.00                     |
| 0.0000                                    | 0.0000  |                 | 0.00                     |
| 0.0000                                    | 0.0000  |                 | 0.00                     |
| 0.0000                                    | 0.0000  |                 | 0.00                     |
| 0.0000                                    | 0.0000  |                 | 0.00                     |
| 0.0000                                    | 0.0000  |                 | 0.00                     |
| TOTAL                                     | 0.0684  |                 | 0.0087                   |

**Trading Down Correction**

|  |        |
|--|--------|
| Value of existing habitat loss per distinctiveness                             | High   |
|  | 0.0000 |
| Value of created habitats per distinctiveness                                  | 0.0087 |
| Would this result in trading down habitats?                                    | Never  |
| If no, value each distinctiveness still requiring compensation                 | 0      |
| plus gain to be carried over to compensate loss of lower habitats (rolls over) | 0.0087 |
| Trading down correction value  | n/a    |

This calculator assess whether there is any down trading in habitats value. E.g. loss of high distinctiveness calculates a correction gain value which enters into the primary calculator to take this into account. So additional medium gain is generated above the value of the high loss, this surplus is still be taken

**CAUTION** - Destruction of habitats of high distinctiveness, e.g. lowland meadow or ancient woodland the mitigation hierarchy been followed, can impact to these habitats be avoided?

Any unavoidable loss of habitats of high distinctiveness must be replaced like-for like.















































































|               |
|---------------|
| Total         |
| <b>0.0000</b> |

















































































|                               |        |                 |
|-------------------------------|--------|-----------------|
| -                             | 0.00   |                 |
| -                             | 0.00   |                 |
| -                             | 0.00   |                 |
| -                             | 0.00   |                 |
| -                             | 0.00   |                 |
| -                             | 0.00   |                 |
| -                             | 0.00   |                 |
| -                             | 0.00   |                 |
| -                             | 0.00   |                 |
| -                             | 0.00   |                 |
| Proposed hedgerow enhancement | Length | Distinctiveness |
| -                             | 0.00   |                 |
| -                             | 0.00   |                 |
| -                             | 0.00   |                 |
| -                             | 0.00   |                 |
| -                             | 0.00   |                 |
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| -                             | 0.00   |                 |
| -                             | 0.00   |                 |
| -                             | 0.00   |                 |
| -                             | 0.00   |                 |
| -                             | 0.00   |                 |
| TOTAL                         | 0.00   |                 |

#### **Hedgerow trading down correction**

|   |
|---|
| Value of existing habitat loss per distinctiveness                                |
| Value of created habitats per distinctiveness                                     |
| Would this result in trading down habitats?                                       |
| If no, value each distinctiveness still requiring compensation                    |
| Surplus gain to be carried over to compensate loss of lower habitats (rolls over) |
| Trading down correction value   |

This calculator assesses whether there is any down trading in Hedgerow habitats. E.g. loss correction value which enters into the primary calculator to take this into account. Such surplus generated above the value of the high loss, this surplus is still taken into account with

CAUTION - Destruction of each habitat of medium distinctiveness and above should be n







































|       |             |        |            |       |
|-------|-------------|--------|------------|-------|
| 0.000 | 0.00        | 0.00   | 0.00       | 0.00  |
| 0.000 | 0.00        | 0.00   | 0.00       | 0.00  |
| 0.000 | 0.00        | 0.00   | 0.00       | 0.00  |
| 0.000 | 0.00        | 0.00   | 0.00       | 0.00  |
| 0.000 | 0.00        | 0.00   | 0.00       | 0.00  |
| 0.000 | 0.00        | 0.00   | 0.00       | 0.00  |
| 0.000 | 0.00        | 0.00   | 0.00       | 0.00  |
| 0.000 | 0.00        | 0.00   | 0.00       | 0.00  |
| 0.000 | 0.00        | 0.00   | 0.00       | 0.00  |
| High  | Medium-High | Medium | Medium-Low | Low   |
| 0.00  | 0.00        | 0.00   | 0.00       | 0.00  |
| 0.00  | 0.00        | 0.00   | 0.00       | 0.00  |
| 0.00  | 0.00        | 0.00   | 0.00       | 0.00  |
| 0.00  | 0.00        | 0.00   | 0.00       | 0.00  |
| 0.00  | 0.00        | 0.00   | 0.00       | 0.00  |
| 0.00  | 0.00        | 0.00   | 0.00       | 0.00  |
| 0.00  | 0.00        | 0.00   | 0.00       | 0.00  |
| 0.00  | 0.00        | 0.00   | 0.00       | 0.00  |
| 0.00  | 0.00        | 0.00   | 0.00       | 0.00  |
| 0.00  | 0.00        | 0.00   | 0.00       | 0.00  |
| 0.00  | 0.00        | 0.00   | 0.00       | 0.00  |
| 0.00  | 0.00        | 0.00   | 0.00       | 0.00  |
| 0.00  | 0.00        | 0.00   | 0.00       | 0.00  |
| 0.00  | 0.00        | 0.00   | 0.00       | 0.00  |
| 0.00  | 0.00        | 0.00   | 0.00       | 0.00  |
| 0.00  | 0.00        | 0.00   | 0.00       | 0.00  |
| 0.00  | 0.00        | 0.00   | 0.00       | 0.00  |
| 0.00  | 0.00        | 0.00   | 0.00       | 0.00  |
| 0.00  | 0.00        | 0.00   | 0.00       | 0.00  |
| 0.00  | 0.00        | 0.00   | 0.00       | 0.00  |
| 0.000 | 0.000       | 0.000  | 0.000      | 0.000 |

|       |             |        |            |       |
|-------|-------------|--------|------------|-------|
| High  | Medium-High | Medium | Medium-Low | Low   |
| 0.000 | 0.000       | 0.000  | 0.000      | 0.000 |
| 0.000 | 0.000       | 0.000  | 0.000      | 0.000 |
| Never | No          | No     | No         | No    |
| 0     | 0           | 0      | 0          | 0.000 |
| 0     | 0           | 0      | 0          | n/a   |
| n/a   | 0           | 0      | 0          | 0     |

of high distinctiveness habitat and surplus creation of medium or low habitats. It calculates a at the full level of high habitat loss compensation is required. However if additional medium gain is on site gain.

mitigated for with creation/restoration of a similar habitat. Trading up of habitat type is encouraged.







































|              |
|--------------|
| Total        |
| <b>0.000</b> |

















































































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|-------|--|--|------|-------|--|--|------|
| Total |  |  | 0.00 | Total |  |  | 0.00 |
|-------|--|--|------|-------|--|--|------|

|              |        | Indirect Negative Impacts | K |  |  |  |  | Value of loss<br>= Li, Lii |
|--------------|--------|---------------------------|---|--|--|--|--|----------------------------|
| Before/After | Impact |                           |   |  |  |  |  |                            |
|              | Before |                           |   |  |  |  |  |                            |
|              | After  |                           |   |  |  |  |  |                            |
|              | Before |                           |   |  |  |  |  |                            |
|              | After  |                           |   |  |  |  |  |                            |
|              | Before |                           |   |  |  |  |  |                            |
|              | After  |                           |   |  |  |  |  |                            |
|              | Before |                           |   |  |  |  |  |                            |
|              | After  |                           |   |  |  |  |  |                            |

|       |  |  |      |
|-------|--|--|------|
| Total |  |  | 0.00 |
|-------|--|--|------|

| Proposed linear features on site<br>(Onsite mitigation) |      |                                 |             | Target Connectivity<br>distinctiveness |       | Target Connectivity<br>condition |       |             |
|---|------|---------------------------------|-------------|--|-------|----------------------------------|-------|-------------|
| T. Note   | code | Phase 1 habitat description     | (km)        | Distinctiveness                        | Score | Condition                        | Score |             |
|   |      | <b>Connectivity Creation</b>    | N           |  | O     |                                  | P     |             |
|   |      |                                 |             |  |       |                                  |       |             |
|   |      |                                 |             |  |       |                                  |       |             |
|   |      |                                 |             |  |       |                                  |       |             |
|   |      |                                 |             |  |       |                                  |       |             |
|   |      |                                 |             |  |       |                                  |       |             |
|   |      |                                 |             |  |       |                                  |       |             |
|   |      |                                 |             |  |       |                                  |       |             |
|   |      |                                 |             |  |       |                                  |       |             |
|   |      |                                 |             |  |       |                                  |       |             |
|   |      |                                 |             |  |       |                                  |       |             |
|   |      |                                 |             |  |       |                                  |       |             |
|   |      |                                 |             |  |       |                                  |       |             |
|   |      |                                 |             |  |       |                                  |       |             |
|   |      |                                 |             |  |       |                                  |       |             |
|   |      |                                 |             |  |       |                                  |       |             |
|   |      |                                 |             |  |       |                                  |       |             |
|   |      |                                 |             |  |       |                                  |       |             |
|   |      | <b>Total</b>                    | <b>0.00</b> |  |       |                                  |       |             |
|   |      | <b>Connectivity Enhancement</b> |             |  |       |                                  |       | value S ( = |
|   |      |                                 |             |  |       |                                  |       |             |
|   |      |                                 |             |  |       |                                  |       |             |
|   |      |                                 |             |  |       |                                  |       |             |
|   |      |                                 |             |  |       |                                  |       |             |
|   |      |                                 |             |  |       |                                  |       |             |
|   |      |                                 |             |  |       |                                  |       |             |
|   |      |                                 |             |  |       |                                  |       |             |
|   |      |                                 |             |  |       |                                  |       |             |
|   |      |                                 |             |  |       |                                  |       |             |
|   |      |                                 |             |  |       |                                  |       |             |
|   |      |                                 |             |  |       |                                  |       |             |
|   |      |                                 |             |  |       |                                  |       |             |
|   |      |                                 |             |  |       |                                  |       |             |
|   |      |                                 |             |  |       |                                  |       |             |
|   |      |                                 |             |  |       |                                  |       |             |
|   |      |                                 |             |  |       |                                  |       |             |
|   |      | <b>Total</b>                    | <b>0.00</b> |  |       |                                  |       |             |

























































|                                 |                                      |      |      |                            |
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|                                 |                                      |      |      |                            |
|                                 |                                      |      |      |                            |
|                                 |                                      |      |      |                            |
|                                 |                                      |      |      |                            |
| 0.00                            | 0.00                                 | 0.00 | 0.00 | 0.00                       |
|                                 |                                      |      |      | $\sum D + \sum F + \sum H$ |
|                                 | Site Connectivity Biodiversity Value |      |      | 0.00                       |
| from indirect impacts           |                                      |      |      |                            |
| Li - Lii                        |                                      |      |      |                            |
|                                 |                                      |      |      |                            |
|                                 |                                      |      |      |                            |
|                                 |                                      |      |      |                            |
|                                 |                                      |      |      |                            |
|                                 |                                      |      |      |                            |
|                                 |                                      |      |      |                            |
| 0.00                            | M                                    |      |      | CIS = J + M                |
| Connectivity Impact Score (CIS) |                                      |      |      | 0.00                       |

| Time till target condition |                               | Difficulty of creation / restoration |       | Connectivity biodiversity value |
|----------------------------|-------------------------------|--------------------------------------|-------|---------------------------------|
| Time (years)               | Score                         | Difficulty                           | Score |                                 |
|                            | Q                             |                                      | R     | P) / Q / R                      |
|                            |                               |                                      |       |                                 |
|                            |                               |                                      |       |                                 |
|                            |                               |                                      |       |                                 |
|                            |                               |                                      |       |                                 |
|                            |                               |                                      |       |                                 |
|                            |                               |                                      |       |                                 |
|                            |                               |                                      |       |                                 |
|                            |                               |                                      |       |                                 |
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|                            |                               |                                      |       |                                 |
|                            |                               |                                      |       |                                 |
|                            |                               |                                      |       |                                 |
|                            |                               |                                      |       |                                 |
|                            |                               |                                      |       | ((N x U x P) - S) / Q / R       |
|                            |                               |                                      |       |                                 |
|                            |                               |                                      |       |                                 |
|                            |                               |                                      |       |                                 |
|                            |                               |                                      |       |                                 |
|                            |                               |                                      |       |                                 |
|                            |                               |                                      |       |                                 |
|                            |                               |                                      |       |                                 |
|                            |                               |                                      |       |                                 |
|                            |                               |                                      |       |                                 |
|                            |                               |                                      |       |                                 |
|                            |                               |                                      |       |                                 |
|                            | Trading down correction value |                                      |       | 0.00                            |

|   |                         |
|---|-------------------------|
| <b>Connectivity Mitigation Score (CMS)</b>    | <b>0.00</b>             |
|   | $\frac{CBI - CMI}{CIS}$ |
| <b>Connectivity Biodiversity Impact Score</b> | <b>0.00</b>             |
| Percentage of linear impact loss              |                         |















































































































































































**Linear trading down correc**

**Existing Site**

| Existing linear features | length of loss (km) | Distinctiveness | distinctiveness linear loss |
|--------------------------|---------------------|-----------------|-----------------------------|
| Direct impacts           |                     |                 |                             |
| -                        |                     |                 | 0.00                        |
| -                        |                     |                 | 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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| -                        |                     |                 | 0.00                        |
| -                        |                     |                 | 0.00                        |
| -                        |                     |                 | 0.00                        |
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| -                        |                     |                 | 0.00                        |
| -                        |                     |                 | 0.00                        |
| -                        |                     |                 | 0.00                        |
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| -                        |                     |                 | 0.00                        |
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| -                        |                     |                 | 0.00                        |
| -                        |                     |                 | 0.00                        |
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| -                        |                     |                 | 0.00                        |
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| -                        |                     |                 | 0.00                        |
| -                        |                     |                 | 0.00                        |
| -                        |                     |                 | 0.00                        |
| -                        |                     |                 | 0.00                        |
| -                        |                     |                 | 0.00                        |
| Indirect impacts         |                     |                 |                             |
| -                        | -                   |                 | 0.00                        |
| -                        | -                   |                 | 0.00                        |
| -                        | -                   |                 | 0.00                        |
| -                        | -                   |                 | 0.00                        |
| -                        | -                   |                 | 0.00                        |
| <b>TOTAL</b>             | <b>0.00</b>         |                 | <b>0.00</b>                 |

**Proposed Site**

| Proposed linear creation    | Of feature | Distinctiveness | distinctiveness proposed linear |
|-----------------------------|------------|-----------------|---------------------------------|
| -                           | 0.00       |                 | 0.00                            |
| -                           | 0.00       |                 | 0.00                            |
| -                           | 0.00       |                 | 0.00                            |
| -                           | 0.00       |                 | 0.00                            |
| -                           | 0.00       |                 | 0.00                            |
| -                           | 0.00       |                 | 0.00                            |
| -                           | 0.00       |                 | 0.00                            |
| -                           | 0.00       |                 | 0.00                            |
| -                           | 0.00       |                 | 0.00                            |
| -                           | 0.00       |                 | 0.00                            |
| -                           | 0.00       |                 | 0.00                            |
| -                           | 0.00       |                 | 0.00                            |
| -                           | 0.00       |                 | 0.00                            |
| -                           | 0.00       |                 | 0.00                            |
| -                           | 0.00       |                 | 0.00                            |
| -                           | 0.00       |                 | 0.00                            |
| -                           | 0.00       |                 | 0.00                            |
| Proposed linear enhancement | Length     | Distinctiveness | High                            |
| -                           | 0.00       |                 | 0.00                            |
| -                           | 0.00       |                 | 0.00                            |
| -                           | 0.00       |                 | 0.00                            |
| -                           | 0.00       |                 | 0.00                            |
| -                           | 0.00       |                 | 0.00                            |
| -                           | 0.00       |                 | 0.00                            |
| -                           | 0.00       |                 | 0.00                            |
| -                           | 0.00       |                 | 0.00                            |
| -                           | 0.00       |                 | 0.00                            |
| -                           | 0.00       |                 | 0.00                            |
| -                           | 0.00       |                 | 0.00                            |
| -                           | 0.00       |                 | 0.00                            |
| -                           | 0.00       |                 | 0.00                            |
| -                           | 0.00       |                 | 0.00                            |
| -                           | 0.00       |                 | 0.00                            |
| TOTAL                       | 0.00       |                 | 0.00                            |

**Linear trading down correction**

| Value of existing habitat loss per distinctiveness                           | High  |
|--|-------|
| Value of existing habitat loss per distinctiveness                           | 0.00  |
| Value of created habitats per distinctiveness                                | 0.00  |
| Would this result in trading down habitats?                                  | Never |
| If no, value each distinctiveness still requiring compensation               | 0     |
| is gain to be carried over to compensate loss of lower habitats (rolls over) | 0     |
| Trading down correction value  | n/a   |

This calculator assess whether there is any down trading in linear habitats. E.g. loss of high di calculates a correction gain value which enters into the primary calculator to take this into account. additional medium gain is generated above the value of the high loss, this surplus is still be tal

CAUTION - Destruction of each habitat of medium distinctiveness and above should be mitiga encouraged.







































| distinctiveness proposed linear | distinctiveness proposed linear | distinctiveness proposed linear | distinctiveness proposed linear |
|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| 0.00                            | 0.00                            | 0.00                            | 0.00                            |
| 0.00                            | 0.00                            | 0.00                            | 0.00                            |
| 0.00                            | 0.00                            | 0.00                            | 0.00                            |
| 0.00                            | 0.00                            | 0.00                            | 0.00                            |
| 0.00                            | 0.00                            | 0.00                            | 0.00                            |
| 0.00                            | 0.00                            | 0.00                            | 0.00                            |
| 0.00                            | 0.00                            | 0.00                            | 0.00                            |
| 0.00                            | 0.00                            | 0.00                            | 0.00                            |
| 0.00                            | 0.00                            | 0.00                            | 0.00                            |
| 0.00                            | 0.00                            | 0.00                            | 0.00                            |
| 0.00                            | 0.00                            | 0.00                            | 0.00                            |
| 0.00                            | 0.00                            | 0.00                            | 0.00                            |
| 0.00                            | 0.00                            | 0.00                            | 0.00                            |
| 0.00                            | 0.00                            | 0.00                            | 0.00                            |
| 0.00                            | 0.00                            | 0.00                            | 0.00                            |
| 0.00                            | 0.00                            | 0.00                            | 0.00                            |
| Medium-High                     | Medium                          | Medium-Low                      | Low                             |
| 0.00                            | 0.00                            | 0.00                            | 0.00                            |
| 0.00                            | 0.00                            | 0.00                            | 0.00                            |
| 0.00                            | 0.00                            | 0.00                            | 0.00                            |
| 0.00                            | 0.00                            | 0.00                            | 0.00                            |
| 0.00                            | 0.00                            | 0.00                            | 0.00                            |
| 0.00                            | 0.00                            | 0.00                            | 0.00                            |
| 0.00                            | 0.00                            | 0.00                            | 0.00                            |
| 0.00                            | 0.00                            | 0.00                            | 0.00                            |
| 0.00                            | 0.00                            | 0.00                            | 0.00                            |
| 0.00                            | 0.00                            | 0.00                            | 0.00                            |
| 0.00                            | 0.00                            | 0.00                            | 0.00                            |
| 0.00                            | 0.00                            | 0.00                            | 0.00                            |
| 0.00                            | 0.00                            | 0.00                            | 0.00                            |
| 0.00                            | 0.00                            | 0.00                            | 0.00                            |
| 0.00                            | 0.00                            | 0.00                            | 0.00                            |
| 0.00                            | 0.00                            | 0.00                            | 0.00                            |
| 0.00                            | 0.00                            | 0.00                            | 0.00                            |

| Medium-High | Medium | Medium-Low | Low  |             |
|-------------|--------|------------|------|-------------|
| 0.00        | 0.00   | 0.00       | 0.00 |             |
| 0.00        | 0.00   | 0.00       | 0.00 |             |
| No          | No     | No         | No   |             |
| 0           | 0      | 0          | 0.00 |             |
| 0           | 0      | 0          | n/a  | Total       |
| 0           | 0      | 0          | 0    | <b>0.00</b> |

distinctiveness habitat and surplus creation of medium or low habitats. It is such that the full level of high habitat loss compensation is required. However if taken into account with on site gain.

traded for with creation/restoration of a similar habitat. Trading up of habitat type is























































































































| Phase 1 Habitat Type                        | Phase 1 Habitat Codes | Distinctiveness |   | Difficulty of creation |     | Preset Time to Target Condition (Moderate) | Preset Time to Target Condition (Good) | Difficulty of restoration |     | Preset Time to Target Condition (Moderate) | Preset Time to Target Condition (Good) | UK Priority Habitat /Habitat of Principal Importance |
|---|-----------------------|-----------------|---|------------------------|-----|--|--|---------------------------|-----|--|--|--|
| Built Environment: Buildings/hardstanding   | n/a                   | none            | 0 | Low                    | 1   | n/a  | n/a                                    | Low                       | 1   | n/a  | n/a                                    | Not a priority habitat                               |
| Built Environment: Gardens (lawn and        | n/a                   | Low             | 2 | Low                    | 1   | 3 years                                    | 5 years                                | Low                       | 1   | n/a  | n/a                                    | Not a priority habitat                               |
| Woodland: Broad-leaved semi-natural         | A111                  | High            | 6 | n/a                    | -   | n/a  | n/a                                    | Low                       | 1   | 10   | W_in_P                                 | Lowland mixed  |
| Woodland: Broad-leaved plantation           | A112                  | Medium          | 4 | Medium                 | 1.5 | 27 years                                   | 32+ years                              | Low                       | 1   | 10   | W_in_P                                 | Not a priority habitat                               |
| Woodland: Coniferous semi-natural           | A121                  | Medium          | 4 | n/a                    | -   | n/a  | n/a                                    | Low                       | 1   | n/a  | n/a                                    | Native pine  |
| Woodland: Coniferous plantation             | A122                  | Low             | 2 | Medium                 | 1.5 | 25   | n/a                                    | Low                       | 1   | n/a  | n/a                                    | Not a priority habitat                               |
| Woodland: Mixed semi-natural woodland       | A131                  | Medium          | 4 | n/a                    | -   | n/a  | n/a                                    | Low                       | 1   | W_in_P                                     | W_in_P                                 | Lowland mixed  |
| Woodland: Mixed plantation                  | A132                  | Low             | 2 | Medium                 | 1.5 | 25   | 32+ years                              | Low                       | 1   | W_in_P                                     | W_in_P                                 | Not a priority habitat                               |
| Woodland: Wet woodland                      | n/a                   | High            | 6 | Medium                 | 1.5 | 15 years                                   | 32+ years                              | Medium                    | 1.5 | W_in_P                                     | W_in_P                                 | Wet woodland   |
| Woodland: Dense continuous scrub            | A21                   | Medium-Low      | 3 | Low                    | 1   | 10 years                                   | 15 years                               | Low                       | 1   | W_in_P                                     | W_in_P                                 | Not a priority habitat                               |
| Woodland: Scattered scrub                   | A22                   | Medium          | 4 | Low                    | 1   | 10 years                                   | 15 years                               | Low                       | 1   | W_in_P                                     | W_in_P                                 | Not a priority habitat                               |
| Woodland: Scattered trees                   | A3                    | Medium          | 4 | Low                    | 1   | 27 years                                   | n/a                                    | Low                       | 1   | W_in_P                                     | W_in_P                                 | Not a priority habitat                               |
| Woodland: Broad-leaved parkland             | A31                   | High            | 6 | Medium                 | 1.5 | n/a  | n/a                                    | Low                       | 1   | W_in_P                                     | W_in_P                                 | Wood-pasture and                                     |
| Woodland: Coniferous parkland               | A32                   | Medium          | 4 | Medium                 | 1.5 | n/a  | n/a                                    | Low                       | 1   | W_in_P                                     | W_in_P                                 | Not a priority habitat                               |
| Woodland: Recently felled woodland          | A4                    | High            | 6 | Low                    | 1   | n/a  | n/a                                    | Low                       | 1   | n/a  | n/a                                    | n/a  |
| Woodland: Orchard                           | A5                    | High            | 6 | Low                    | 1   | 10   | 32+ years                              | Low                       | 1   | W_in_P                                     | W_in_P                                 | Traditional orchard                                  |
| Grassland: Unimproved acidic grassland      | B11                   | High            | 6 | High                   | 3   | 20 years                                   | 32+ years                              | High                      | 3   | 15 years                                   | 32+ years                              | Lowland dry acid                                     |
| Grassland: Semi-improved acidic grassland   | B12                   | Medium-High     | 5 | Medium                 | 1.5 | 15 years                                   | 20 years                               | Low                       | 1   | 10 years                                   | 15 years                               | Lowland dry acid                                     |
| Grassland: Unimproved neutral grassland     | B21                   | High            | 6 | High                   | 3   | 9 years                                    | 15 years                               | Medium                    | 1.5 | 10   | 15                                     | Lowland meadow                                       |
| Grassland: Semi-improved neutral grassland  | B22                   | Medium          | 4 | Low                    | 1   | 10 years                                   | 15 years                               | Low                       | 1   | 10   | W_in_P                                 | Lowland meadow                                       |
| Grassland: Unimproved calcareous            | B31                   | High            | 6 | High                   | 3   | 20   | 32+ years                              | High                      | 3   | 15   | 25                                     | Lowland calcareous                                   |
| Grassland: Semi-improved calcareous         | B32                   | Medium-High     | 5 | Medium                 | 1.5 | 15 years                                   | 25                                     | Medium                    | 1.5 | 10   | 15                                     | Lowland calcareous                                   |
| Grassland: Poor semi-improved grassland     | B6                    | Medium-Low      | 3 | Medium                 | 1.5 | 5 years                                    | 10 years                               | Low                       | 1   | n/a  | n/a                                    | Not a priority habitat                               |
| Grassland: Improved grassland               | B4                    | Low             | 2 | n/a                    | -   | 3 years                                    | n/a                                    | Low                       | 1   | n/a  | n/a                                    | Not a priority habitat                               |
| Grassland: Marsh / Marshy grassland         | B5                    | High            | 6 | High                   | 3   | 10 years                                   | W_in_P                                 | Medium                    | 1.5 | W_in_P                                     | W_in_P                                 | Coastal and  |
| Grassland: Dry heath / Acidic grassland     | D5                    | High            | 6 | High                   | 3   | 20 years                                   | 32+ years                              | Medium                    | 1.5 | 10 years                                   | 25 years                               | Lowland heathland                                    |
| Grassland: Set-aside / Arable field margins | J113                  | High            | 6 | Low                    | 1   | 3 years                                    | n/a                                    | Low                       | 1   | W_in_P                                     | W_in_P                                 | Arable field margins                                 |
| Grassland: Amenity grassland                | J12                   | Low             | 2 | Low                    | 1   | 3 years                                    | n/a                                    | Low                       | 1   | n/a  | n/a                                    | Not a priority habitat                               |
| Wetland: Standing water                     | G1                    | High            | 6 | Medium                 | 1.5 | 3 years                                    | 5                                      | Low                       | 1   | 3  | 5                                      | Ponds  |
| Wetland: Running water                      | G2                    | High            | 6 | Medium                 | 1.5 | 15 years                                   | W_in_P                                 | Medium                    | 1.5 | W_in_P                                     | W_in_P                                 | Rivers & streams                                     |
| Wetland: Reedbed                            | F1                    | High            | 6 | Medium                 | 1.5 | 10 years                                   | 15 years                               | Medium                    | 1.5 | 10 years                                   | 15 years                               | Reedbeds   |
| Wetland: Swamp                              | F1                    | High            | 6 | Medium                 | 1.5 | 5 years                                    | 10 years                               | Medium                    | 1.5 | 15   | W_in_P                                 | Lowland fens   |
| Wetland: Marginal vegetation                | F21                   | High            | 6 | Low                    | 1   | 3 years                                    | 5 years                                | Low                       | 1   | 3 years                                    | 5 years                                |  |
| Wetland: Inundation vegetation              | F22                   | High            | 6 | Low                    | 1   | 3 years                                    | 5 years                                | Low                       | 1   | 3 years                                    | 5 years                                | Not a priority habitat                               |
| Other: Arable                               | J11                   | Low             | 2 | n/a                    | -   | n/a  | n/a                                    | n/a                       | -   | n/a  | n/a                                    | Not a priority habitat                               |
| Other: Continuous bracken                   | C11                   | Low             | 2 | Low                    | 1   | n/a  | n/a                                    | Low                       | 1   | n/a  | n/a                                    | Not a priority habitat                               |
| Other: Tall ruderal                         | C31                   | Medium-Low      | 3 | Low                    | 1   | n/a  | n/a                                    | Low                       | 1   | n/a  | n/a                                    | Not a priority habitat                               |
| Other: Non-ruderal                          | C32                   | Medium          | 4 | Low                    | 5   | 10   | W_in_P                                 | Low                       | 1   | W_in_P                                     | W_in_P                                 | Not a priority habitat                               |
| Other: Ephemeral/short perennial            | J13                   | Low             | 2 | Low                    | 1   | n/a  | n/a                                    | Low                       | 1   | n/a  | n/a                                    | Not a priority habitat                               |
| Other: Allotments                           | J112                  | Low             | 2 | Low                    | 1   | n/a  | n/a                                    | Low                       | 1   | n/a  | n/a                                    | Not a priority habitat                               |
| Other: Quarry                               | I21                   | Low             | 2 | Low                    | 1   | n/a  | n/a                                    | Low                       | 1   | n/a  | n/a                                    | Not a priority habitat                               |
| Other: Spoil                                | I22                   | Low             | 2 | Low                    | 1   | n/a  | n/a                                    | Low                       | 1   | n/a  | n/a                                    | Not a priority habitat                               |
| Other: Refuse tip                           | I24                   | Low             | 2 | Low                    | 1   | n/a  | n/a                                    | Low                       | 1   | n/a  | n/a                                    | Not a priority habitat                               |

|  |      |             |   |        |   |         |           |     |   |        |        |                        |
|--|------|-------------|---|--------|---|---------|-----------|-----|---|--------|--------|------------------------|
| Other: Introduced shrub                      | J14  | Low         | 2 | Low    | 1 | n/a     | n/a       | Low | 1 | n/a    | n/a    | Not a priority habitat |
| Other: Bare ground                           | J4   | Low         | 2 | Low    | 1 | n/a     | n/a       | Low | 1 | n/a    | n/a    | Not a priority habitat |
| Other: Vertical face (correction factor)     | n/a  | none        | 0 | Low    | 1 | W_in_P  | W_in_P    | Low | 1 | W_in_P | W_in_P |                        |
| Other: Living Wall                           | n/a  | Low         | 2 | Low    | 1 | 3 years | 5 years   | Low | 1 | W_in_P | W_in_P |                        |
| Other: Living roof - Extensive sedum         | n/a  | Low         | 2 | Low    | 1 | 3 years | 5 years   | Low | 1 | W_in_P | W_in_P |                        |
| Other: Living roof - Extensive hybrid sedum  | n/a  | Medium low  | 3 | Low    | 1 | 3 years | 5 years   | Low | 1 | W_in_P | W_in_P |                        |
| Other: Living roof - Extensive biodiverse    | n/a  | Medium      | 4 | Low    | 1 | 5 years | 10 years  | Low | 1 | W_in_P | W_in_P |                        |
| Other: Living roof - Intensive               | n/a  | Low         | 2 | Low    | 1 | 3 years | 5 years   | Low | 1 | W_in_P | W_in_P |                        |
| Other: Living roof - Semi-intensive          | n/a  | Medium-Low  | 3 | Low    | 1 | 3 years | 5 years   | Low | 1 | W_in_P | W_in_P |                        |
| Other: Bioswale / Rain Garden / SuDS         | n/a  | Medium-low  | 3 | Low    | 1 | 3 years | 5 years   | Low | 1 |        |        | n/a                    |
| Linear features                              |      |             |   |        |   |         |           |     |   |        |        |                        |
| Hedges: Intact hedge                         | J21  | Medium      | 4 | Low    | 1 | 3       | 5         | Low | 1 | W_in_P | W_in_P |                        |
| Hedges: Native species rich intact hedge     | J24  | Medium high | 5 | Low    | 1 | 10      | 15        | Low | 1 | W_in_P | W_in_P |                        |
| Hedges: Hedge with trees                     | J23  | Medium-High | 5 | Low    | 1 | 20      | 32+ years | Low | 1 | W_in_P | W_in_P |                        |
| Hedges: Native species rich hedge with trees | J231 | High        | 6 | Low    | 1 | 20      | 32+ years | Low | 1 | W_in_P | W_in_P |                        |
| Hedges: Defunct hedge                        | J22  | Low         | 2 | n/a    | - | n/a     | n/a       | n/a | - | n/a    | n/a    |                        |
| Hedges: Linear scrub                         | A21  | Medium      | 4 | Low    | 1 | 10      | 15        | Low | 1 | W_in_P | W_in_P |                        |
| Hedges: Linear trees                         | A3   | Medium      | 4 | Low    | 1 | 20      | 32+years  | Low | 1 | W_in_P | W_in_P |                        |
| Hedges: Introduced shrub                     | J14  | Low         | 2 | Low    | 1 | 3       | 5         | Low | 1 | W_in_P | W_in_P |                        |
| Ditches: Standing water                      | G1   | High        | 6 | Medium | 2 | 3       | 5         | Low | 1 | W_in_P | W_in_P |                        |
| Ditches: Running water                       | G2   | High        | 6 | Medium | 2 | 3       | 5         | Low | 1 | W_in_P | W_in_P |                        |
| Ditches: Dry ditch                           | J26  | Low         | 2 | Low    | 1 | 3       | 5         | Low | 1 | W_in_P | W_in_P |                        |
| Boundaries: Fence                            | J24  | None        | 0 | Low    | 1 | 3       | n/a       | Low | 1 | W_in_P | W_in_P |                        |
| Boundaries: Wall                             | J25  | Low         | 2 | Low    | 1 | 3       | n/a       | Low | 1 | W_in_P | W_in_P |                        |
| Boundaries: Dry stone wall                   | J25  | Medium      | 4 | Low    | 1 | 5       | n/a       | Low | 1 | W_in_P | W_in_P |                        |
| Other: Inland cliff                          | I1   | Medium      | 4 | Low    | 1 | W_in_P  | W_in_P    | Low | 1 | W_in_P | W_in_P |                        |
| Other: Earth bank                            | J28  | Low         | 2 | Low    | 1 | W_in_P  | W_in_P    | Low | 1 | W_in_P | W_in_P |                        |

| Habitats for creation                       | Habitats for restoration                    |
|---|---|
| Phase 1 Habitat Descriptions                | Phase 1 Habitat                             |
| Built Environment: Buildings/hardstanding   | Woodland: Broad-leaved semi-natural         |
| Built Environment: Gardens (lawn and        | Woodland: Broad-leaved plantation           |
| Woodland: Broad-leaved plantation           | Woodland: Coniferous semi-natural           |
| Woodland: Coniferous plantation             | Woodland: Coniferous plantation             |
| Woodland: Mixed plantation                  | Woodland: Mixed semi-natural woodland       |
| Woodland: Wet woodland                      | Woodland: Mixed plantation                  |
| Woodland: Dense continuous scrub            | Woodland: Wet woodland                      |
| Woodland: Scattered scrub                   | Woodland: Dense continuous scrub            |
| Woodland: Scattered trees                   | Woodland: Scattered scrub                   |
| Woodland: Coniferous parkland               | Woodland: Scattered trees                   |
| Woodland: Orchard                           | Woodland: Broad-leaved parkland             |
| Grassland: Semi-improved acidic grassland   | Woodland: Coniferous parkland               |
| Grassland: Semi-improved neutral grassland  | Woodland: Orchard                           |
| Grassland: Semi-improved calcareous         | Grassland: Unimproved acidic grassland      |
| Grassland: Marsh / Marshy grassland         | Grassland: Semi-improved acidic grassland   |
| Grassland: Dry heath / Acidic grassland     | Grassland: Unimproved neutral grassland     |
| Grassland: Set-aside / Arable field margins | Grassland: Semi-improved neutral grassland  |
| Grassland: Amenity grassland                | Grassland: Unimproved calcareous            |
| Wetland: Standing water                     | Grassland: Semi-improved calcareous         |
| Wetland: Running water                      | Grassland: Marsh / Marshy grassland         |
| Wetland: Reedbed                            | Grassland: Dry heath / Acidic grassland     |
| Wetland: Sphagnum Bog                       | Grassland: Set-aside / Arable field margins |
| Wetland: Acid/neutral flush                 | Wetland: Standing water                     |
| Wetland: Basin Mire                         | Wetland: Running water                      |
| Wetland: Swamp                              | Wetland: Reedbed                            |
| Wetland: Inundation vegetation              | Wetland: Sphagnum Bog                       |
| Other: Continuous bracken                   | Wetland:                                    |

| Distinctiveness |   |
|-----------------|---|
| High            | 6 |
| Medium-High     | 5 |
| Medium          | 4 |
| Medium-Low      | 3 |
| Low             | 2 |
| none            | 0 |

| Condition |   |
|-----------|---|
| Good      | 3 |
| Moderate  | 2 |
| Poor      | 1 |

| Time      |     |
|-----------|-----|
| 3 years   | 1.1 |
| 5 years   | 1.2 |
| 10 years  | 1.4 |
| 15 years  | 1.7 |
| 20 years  | 2   |
| 25 years  | 2.4 |
| 27 years  | 2.6 |
| 30 years  | 2.8 |
| 32+ years | 3   |

| Difficulty |
|------------|
| Very high  |
| High       |
| Medium     |
| Low        |
| n/a        |

|                                      |             |
|--------------------------------------|-------------|
| Other: Tall ruderal                  | Wetland:    |
| Other: Non-ruderal                   | Wetland:    |
| Other: Ephemeral/short perennial     | Wetland:    |
| Other: Allotments                    | Other:      |
| Other: Quarry                        | Other: Tall |
| Other: Spoil                         | Other:      |
| Other: Refuse tip                    | Other:      |
| Other: Introduced shrub              | Other:      |
| Other: Bare ground                   | Other:      |
| Other: Living Wall                   | Other:      |
| Other: Living roof - Extensive       | Other:      |
| Other: Living roof - Semi-intensive  | Other:      |
| Other: Living roof - Intensive       | Other:      |
| Other: Bioswale / Rain Garden / SuDS | Other:      |
|                                      | Other:      |

| Linear                                       | Linear    |
|--|-----------|
| Hedges: Intact hedge                         | Hedges:   |
| Hedges: Native species rich intact hedge     | Hedges:   |
| Hedges: Hedge with trees                     | Hedges:   |
| Hedges: Native species rich hedge with trees | Hedges:   |
| Hedges: Linear scrub                         | Hedges:   |
| Hedges: Linear trees                         | Hedges:   |
| Hedges: Introduced shrub                     | Ditches:  |
| Ditches: Standing water                      | Ditches:  |
| Ditches: Running water                       | Ditches:  |
| Ditches: Dry ditch                           | Boundarie |
| Boundaries: Fence                            | Other:    |
| Boundaries: Wall                             | Other:    |
| Boundaries: Dry stone wall                   | Other:    |
| Other: Inland cliff                          |           |
| Other: Earth bank                            |           |
| Other: Green wall                            |           |

| LBAP Priority Habitat  | NVC        | Habitat Definition   | Notes  | Condition Assessment  |
|------------------------|------------|--|--|---|
| Not a priority         |            |  |  | Classify as poor condition  |
| Not a priority         |            |  | Standard border / garden planting. Condition   | Classify as poor condition (but see   |
| Woodland               | W8,W10,    | Include all stands which do not obviously originate from   |  | Use FEP T08 condition assessment  |
| Not a priority         | Some forms | Obviously planted woodland with no more than 10% of the  | Add native woodland grass and wildflower   | Use T08 even though this habitat does   |
| n/a                    | W13, W18   |  | This woodland type is not found in Sutton  | Use T08 even though this habitat does   |
| Not a priority         | Some forms | Obviously planted woodland with no more than 10% of the  |  | Classify as poor condition  |
| Woodland               |            | Woods that do not obviously originate from planting (see   |  | Use FEP T08 condition assessment  |
| Not a priority         |            | Obviously planted with 10-90% of either broadleaved or   |  | Use T08 even though this habitat does   |
| Woodland               | W1 - W7    | Wet woodlands are found on poorly drained or seasonally wet  | Wet woodland is very scarce in Sutton and is   | Use FEP T08 condition assessment  |
| Not a priority habitat | W21-24     | A block of scrub is dominated by the shrub species less than five metres tall. It may have a few scattered trees but there will be no recognisable canopy. To be dense or continuous, the scrub cover must be thirty percent or more. This includes stands of bramble, dog rose and gorse ( <i>Ulex europaeus</i> ) and also stands of mature hawthorn ( <i>Crataegus monogyna</i> ), blackthorn ( <i>Prunus spinosa</i> ) or grey willow ( <i>Salix cinerea</i> ) even if they are greater than 5m tall. (NCC, 1990). | Scrub is often part of mosaic with other habitats. Its conservation value can be variable, and is often seen as of low value due to low botanical species diversity. However, it can be of high value in its own right as well as providing suitable habitat for some of the borough's important species of invertebrates, mammals and birds. Successional blackthorn scrub is of particular value for the brown hairstreak butterfly. | Use condition assessment V05 for scrub, even if the scrub does not meet the FEP definition of high environmental value scrub. |
| Not a priority         | W21-24     | As above but scrub cover is less than thirty percent.  | Scattered scrub occurs in association with   | Use condition assessment V05 for scrub,   |
| Not a priority         |            | Habitat that is neither woodland or scrub, but have trees  | The area calculation should be the whole land  | No FEP condition assessment. See next   |
| Old parkland & n/a     | Range of   | This category is for Wood Pasture and Parkland Priority  | This habitat is typical of large estates with a  | Use FEP T03 condition assessment  |
| n/a                    |            | Parklands with introduced exotic trees such as cedar ( <i>Cedrus</i>   |  |   |
| n/a                    |            | Felled woodland and scrub areas  | Penalise woodland clearance ahead of a   | Classify as at least moderate condition,  |
| Orchards               | Range of   | This category is for Traditional Orchards Priority   | Traditional orchards are not known in Sutton.  | Use FEP T15 or PTES (Peoples Trust for  |
| Acid grassland         | U1-U4      | Lowland acid grassland typically occurs on nutrient poor, free-  | Lowland acid grasslands are very rare in   | Use FEP G05 condition assessment  |
| Acid Grassland         | U1-U4      | Improvement reduces the acid character of the grassland and  | See above  | Use FEP G05 condition assessment  |
| Neutral                | MG4, MG5,  | Unimproved neutral grasslands are found on neutral clays and   | True unimproved grassland is not known from  | Use FEP G06 condition assessment  |
| Neutral                | MG1, MG6,  | Semi-improved neutral grasslands have been subject to some   | Species-rich semi-improved grassland is more   | Use FEP G06 condition assessment  |
| Calcareous             | CG2 - CG4  | Calcareous grassland supports a range of plant communities   | Calcareous grassland is very rare in Sutton  | Use FEP G04 condition assessment  |
| Calcareous             | CG2 - CG5  | Semi-improved calcareous grasslands that have been   | Many sites on the chalk in Sutton are often  | Use FEP G04 condition assessment  |
| Not a priority         | Some       | This consists of semi-improved grassland which is more   |  | Classify as poor condition  |
| Not a priority         | MG6a, MG7  | Improved grasslands are dominated by a limited range of  |  | Classify as poor condition  |
|                        | MG8-10,    | This is a diffuse category covering certain <i>Molinia</i> grasslands,   | Unlikely within Sutton   | Use FEP G07 condition assessment  |
| Lowland                |            | This represents a common mixture of dry heath and acid   | Heathland is very rare in Sutton and must be   | Use FEP M03 & G05   |
| Arable field           |            | Arable field margins are herbaceous strips or blocks around  |  | Use FEP species features, including   |
| Not a priority         | Various    | This comprises intensively managed and regularly mown  | The creation of a 'flowering lawn'   | Classify as poor condition (unless a high   |
| Ponds                  |            | Standing water includes lakes, reservoirs, pools, flooded  | Can rapidly achieve moderate and good  | Use FEP W07 condition assessment  |
| Rivers & Reedbeds      |            | Running water comprises rivers and streams (but not canals, Reed beds are wetlands dominated by, but not necessarily   | The habitat quality of watercourses in Sutton Reed beds are not common or extensive in   | No FEP condition assessment. See next Use FEP W08 condition assessment  |
| Fen & swamp            |            | Swamp contains tall emergent vegetation typical of the   | The Phase 1 category includes reedbed (see   | Use FEP W04 condition assessment  |
|                        |            | Narrow strips of emergent vegetation on the banks of   | Apply Swamp to widths of marginal vegetation   | Use FEP W04 condition assessment  |
| Fen & swamp            | MG11,      | Inundation vegetation covers areas that are periodically   |  |   |
| Not a priority         |            | This includes arable cropland, horticultural land (for example   |  | Classify as poor condition  |
| Not a priority         | W25        | Areas dominated by <i>Pteridium aquilinum</i> (NCC, 1990).   | Highly unlikely in Sutton, due to the high and   | Bracken should be classed as poor   |
| Not a priority         | OV24-27    | This category comprises stands of tall perennial or biennial   |  | Classify as poor condition, unless it   |
| Not a priority         |            | Non-wooded stands of species such as <i>Oreopteris</i>   |  | Classify as poor condition  |
| Not a priority         |            | Short, patchy plant associations typical of derelict urban sites,  |  | Classify as poor condition  |
| Allotments             |            | All allotments included  |  | Classify as poor condition  |
| Quarries &             |            | Excavations such as gravel, sand or chalk pits and stone   |  | Classify as poor condition  |
| Not a priority         |            | Includes abandoned industrial areas and tips of waste material   |  | Classify as poor condition  |
| Not a priority         |            | Rubbish tips, worked landfill sites  |  | Classify as poor condition  |



|                |     |  |   |   |
|----------------|-----|--|---|---|
| Not a priority |     | This is vegetation dominated by shrub species that are not     |   | Classify as poor condition              |
| Not a priority |     |  |   |   |
|                |     | Mainly composed of ivy (Hedera) species, in which, case low    | Evergreen climbing species are likely to make |   |
|                |     | Lightweight 'green roof' with shallow substrate and sedum      |   |   |
|                |     | As above but with additional wildflower plugs to increase      |   |   |
|                |     | Can be 'green', brown' or blue'. Must have low nutrient        | Addition of microtopography, dead wood, water | Bespoke. Will depend on seeding and     |
|                |     | Typical 'sky garden' / 'sky park' with lawns / amenity         |   | Will refer back to the planting plan to |
|                |     | Typically deeper substrates that extensive biodiverse but      | May evolve away from initial creation, due to |   |
| n/a            | n/a | Creation of features for the temporary storage / movement of   |   | To attain moderate condition, needs to  |
|                |     | Considered as a non-native and / or ornamental (box, laurel    |   |   |
|                |     | Typical native hedgerow species,depending on substrate.        |   |   |
|                |     | As for species rich hedgerow, with native standards, including |   |   |
|                |     | As for dense continuous or scattered scrub, whichever is most  |   |   |
|                |     | As per general landscaping                                     |   |   |
|                |     |  |   |   |
|                |     |  |   |   |
|                |     |  |   |   |
|                |     |  |   |   |
|                |     |  |   |   |
|                |     |  |   |   |
|                |     |  |   |   |

|     |
|-----|
| 10  |
| 3   |
| 1.5 |
| 1   |
| 0   |



### Habitat creation/restoration timescales

Default poor condition in 3 years

Planted native woodlands will be about 120 years old before they can be

It is likely to take more than 100 years before the planted

n/a

n/a

It is likely to take more than 100 years before the planted

Scrub of high conservation value contains a range of shrub species (at least 3, unless it is dense blackthorn) with mixed age structure, has a complex vertical and horizontal structure i.e. variation in physical structure, age range and spacing, has many clearings and glades giving a high boundary/area ratio, a well developed edge with ungrazed tall herbs, and supports a range of rare/local invertebrates. Scrub typically matures in 15 years (RSPB), so it should be possible to create good quality scrub in 15 years with suitable management e.g. rotational cutting that achieves the above conditions.

Scrub of high conservation value contains a range of shrub species (at

The ecological value of scattered trees will depend on the tree species

Timescales for restoration will depend on reasons for current condition and

Creation and restoration as for broad-leaved plantation

The PTES condition assessment has 3 condition categories: excellent

Unimproved grasslands cannot be recreated, at least not on timescales

A review of agri-environment schemes (5 sites) found it is possible to

Studies give timescale trajectories of many decades for the recreation of

Evidence from agri-environment schemes (Wilson et al - see attached

Studies suggest timescale trajectories of 60-100 years for the restoration

A review of agri-environment schemes (Wilson et al) found it is possible to

n/a

n/a

A review of agri-environment schemes (by Wilson et al - see attached

As for acid grassland, plus time for calcifugous shrubs to go through their

Can be created in 1 season if well prepared but requires a risk factor of 3

Can be created in 1 season if well prepared but requires a risk factor of 3

Ponds colonise rapidly with plants, invertebrates and amphibians and can

Good quality watercourses will have a diversity of natural channel features

Newly created reed bed can establish very rapidly i.e. within a few

Swamp can develop rapidly and is often of less value to specific species

Marginal vegetation can develop rapidly and is often of less value to

Inundation vegetation requires specific hydrological regimes for creation

0-5 years. Apply a default 3 years

Default poor condition in 3 years

Ferns should establish in around 5-10 years

Default poor condition in 3 years

n/a

n/a

n/a







|        |  |        |  |               |               |
|--------|--|--------|--|---------------|---------------|
| 0.0000 |  | 0.0000 |  |               |               |
|        |  |        |  | <b>0.0000</b> | <b>0.0000</b> |

| Enhancement               | Distinctiveness | Area   | Value  | High          | High          |
|---------------------------|-----------------|--------|--------|---------------|---------------|
| Woodland: Scattered trees | Medium          | 0.0127 | 0.0762 |               |               |
| 0.0000                    |                 | 0.0000 |        |               |               |
| 0.0000                    |                 | 0.0000 |        |               |               |
| 0.0000                    |                 | 0.0000 |        |               |               |
| 0.0000                    |                 | 0.0000 |        |               |               |
| 0.0000                    |                 | 0.0000 |        |               |               |
| 0.0000                    |                 | 0.0000 |        |               |               |
| 0.0000                    |                 | 0.0000 |        |               |               |
| 0.0000                    |                 | 0.0000 |        |               |               |
| 0.0000                    |                 | 0.0000 |        |               |               |
| 0.0000                    |                 | 0.0000 |        |               |               |
| 0.0000                    |                 | 0.0000 |        |               |               |
| 0.0000                    |                 | 0.0000 |        |               |               |
| 0.0000                    |                 | 0.0000 |        |               |               |
| 0.0000                    |                 | 0.0000 |        |               |               |
|                           |                 |        |        | <b>0.0000</b> | <b>0.0000</b> |

|                     | Loss   | Gain   |         | % |        |
|---------------------|--------|--------|---------|---|--------|
| Offset Requirements | 0.0236 | 0.1831 | 0.1595  |   | 0      |
| Woodland            | 0.0000 | 0.1649 | 0.1649  |   | 1.0339 |
| Grassland           | 0.0000 | 0.0000 | 0.0000  |   | 0.0000 |
| Wetland             | 0.0000 | 0.0087 | 0.0087  |   | 0.0545 |
| Other               | 0.0016 | 0.0022 | 0.0006  |   | 0.0038 |
| Built Environment   | 0.0220 | 0.0073 | -0.0147 |   |        |





|               |               |               |               |               |               |               |               |               |               |               |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|               |               |               |               |               |               |               |               |               |               |               |
| <b>0.0887</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0087</b> | <b>0.0000</b> |

| Woodland      |               |               | Grassland     |               |               |               |               |               |               |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Medium        | Low           | Low           | High          | High          | Medium        | Low           | Low           | High          | High          |
| 0.0762        |               |               |               |               |               |               |               |               |               |
|               |               |               |               |               |               |               |               |               |               |
|               |               |               |               |               |               |               |               |               |               |
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|               |               |               |               |               |               |               |               |               |               |
|               |               |               |               |               |               |               |               |               |               |
| <b>0.0762</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

0.0244  
0.0000  
0.0013  
0.0001



|               |               |               |               |               |               |               |               |               |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|               |               |               |               |               |               |               |               |               |
| <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0022</b> |

|               |               |               |
|---------------|---------------|---------------|
|               |               |               |
| <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

| Wetland       |               |               | Other         |               |               |               |               |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Medium        | Low           | Low           | High          | -High         | Medium        | -Low          | Low           |
|               |               |               |               |               |               |               |               |
|               |               |               |               |               |               |               |               |
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|               |               |               |               |               |               |               |               |
| <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

| Built Environm |               |               |
|----------------|---------------|---------------|
| High           | -High         | Medium        |
|                |               |               |
|                |               |               |
|                |               |               |
|                |               |               |
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|                |               |               |
|                |               |               |
| <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> |



|               |               |
|---------------|---------------|
|               |               |
| <b>0.0000</b> | <b>0.0073</b> |

|               |               |
|---------------|---------------|
| ment          |               |
| -Low          | Low           |
|               |               |
|               |               |
|               |               |
|               |               |
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|               |               |
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|               |               |
|               |               |
|               |               |
|               |               |
| <b>0.0000</b> | <b>0.0000</b> |



|  |   |   |      |      |      |      |      |      |      |      |      |
|--|---|---|------|------|------|------|------|------|------|------|------|
|  | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  |   |   |      | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Creation                                      | Distinctiveness | Area | Value | P_Intensi | P_Traditi | P_Livest | P_Wild fc | P_Fresh | P_Energy | P_Timbe |
|---|-----------------|------|-------|-----------|-----------|----------|-----------|---------|----------|---------|
| n/a Built Environment: Gardens (lawn and pla  | Low             | 0.00 | 0.01  | 0.00      | 0.00      | 0.00     | 0.00      | 0.00    | 0.00     | 0.00    |
| n/a Built Environment: Buildings/hardstanding | none            | 0.02 | 0.00  | 0.00      | 0.00      | 0.00     | 0.00      | 0.00    | 0.00     | 0.00    |
| n/a Built Environment: Buildings/hardstanding | none            | 0.02 | 0.00  | 0.00      | 0.00      | 0.00     | 0.00      | 0.00    | 0.00     | 0.00    |
| G1 Wetland: Standing water                    | High            | 0.00 | 0.01  | 0.00      | 0.00      | 0.00     | 0.00      | 0.01    | 0.00     | 0.00    |
| n/a Other: Living roof - Extensive sedum      | Low             | 0.00 | 0.00  | #N/A      | #N/A      | #N/A     | #N/A      | #N/A    | #N/A     | #N/A    |
| A3 Woodland: Scattered trees                  | Medium          | 0.01 | 0.09  | 0.01      | 0.00      | 0.01     | 0.00      | 0.01    | 0.00     | 0.03    |
| -   |                 | 0.00 |       | 0.00      | 0.00      | 0.00     | 0.00      | 0.00    | 0.00     | 0.00    |
| -   |                 | 0.00 |       | 0.00      | 0.00      | 0.00     | 0.00      | 0.00    | 0.00     | 0.00    |
| -   |                 | 0.00 |       | 0.00      | 0.00      | 0.00     | 0.00      | 0.00    | 0.00     | 0.00    |
| -   |                 | 0.00 |       | 0.00      | 0.00      | 0.00     | 0.00      | 0.00    | 0.00     | 0.00    |
| -   |                 | 0.00 |       | 0.00      | 0.00      | 0.00     | 0.00      | 0.00    | 0.00     | 0.00    |
| -   |                 | 0.00 |       | 0.00      | 0.00      | 0.00     | 0.00      | 0.00    | 0.00     | 0.00    |
| -   |                 | 0.00 |       | 0.00      | 0.00      | 0.00     | 0.00      | 0.00    | 0.00     | 0.00    |
| -   |                 | 0.00 |       | 0.00      | 0.00      | 0.00     | 0.00      | 0.00    | 0.00     | 0.00    |
| -   |                 | 0.00 |       | 0.00      | 0.00      | 0.00     | 0.00      | 0.00    | 0.00     | 0.00    |
| -   |                 | 0.00 |       | 0.00      | 0.00      | 0.00     | 0.00      | 0.00    | 0.00     | 0.00    |
| -   |                 | 0.00 |       | 0.00      | 0.00      | 0.00     | 0.00      | 0.00    | 0.00     | 0.00    |
| -   |                 | 0.00 |       | 0.00      | 0.00      | 0.00     | 0.00      | 0.00    | 0.00     | 0.00    |
|   |                 |      |       | #N/A      | #N/A      | #N/A     | #N/A      | #N/A    | #N/A     | #N/A    |

| Enhancement                  | Distinctiveness | Value |      | P_Intensi | P_Traditi | P_Livest | P_Wild fc | P_Fresh | P_Energy | P_Timbe |
|------------------------------|-----------------|-------|------|-----------|-----------|----------|-----------|---------|----------|---------|
| A3 Woodland: Scattered trees | Medium          | 0.01  | 0.08 | 0.01      | 0.00      | 0.01     | 0.00      | 0.01    | 0.00     | 0.03    |
| 0                            |                 | 0.00  |      | 0.00      | 0.00      | 0.00     | 0.00      | 0.00    | 0.00     | 0.00    |
| 0                            |                 | 0.00  |      | 0.00      | 0.00      | 0.00     | 0.00      | 0.00    | 0.00     | 0.00    |
| 0                            |                 | 0.00  |      | 0.00      | 0.00      | 0.00     | 0.00      | 0.00    | 0.00     | 0.00    |
| 0                            |                 | 0.00  |      | 0.00      | 0.00      | 0.00     | 0.00      | 0.00    | 0.00     | 0.00    |
| 0                            |                 | 0.00  |      | 0.00      | 0.00      | 0.00     | 0.00      | 0.00    | 0.00     | 0.00    |
| 0                            |                 | 0.00  |      | 0.00      | 0.00      | 0.00     | 0.00      | 0.00    | 0.00     | 0.00    |
| 0                            |                 | 0.00  |      | 0.00      | 0.00      | 0.00     | 0.00      | 0.00    | 0.00     | 0.00    |
| 0                            |                 | 0.00  |      | 0.00      | 0.00      | 0.00     | 0.00      | 0.00    | 0.00     | 0.00    |
| 0                            |                 | 0.00  |      | 0.00      | 0.00      | 0.00     | 0.00      | 0.00    | 0.00     | 0.00    |
| 0                            |                 | 0.00  |      | 0.00      | 0.00      | 0.00     | 0.00      | 0.00    | 0.00     | 0.00    |
| 0                            |                 | 0.00  |      | 0.00      | 0.00      | 0.00     | 0.00      | 0.00    | 0.00     | 0.00    |
| 0                            |                 | 0.00  |      | 0.00      | 0.00      | 0.00     | 0.00      | 0.00    | 0.00     | 0.00    |
| 0                            |                 | 0.00  |      | 0.00      | 0.00      | 0.00     | 0.00      | 0.00    | 0.00     | 0.00    |
| 0                            |                 | 0.00  |      | 0.00      | 0.00      | 0.00     | 0.00      | 0.00    | 0.00     | 0.00    |
| 0                            |                 | 0.00  |      | 0.00      | 0.00      | 0.00     | 0.00      | 0.00    | 0.00     | 0.00    |
|                              |                 |       |      | 0.01      | 0.00      | 0.01     | 0.00      | 0.01    | 0.00     | 0.03    |

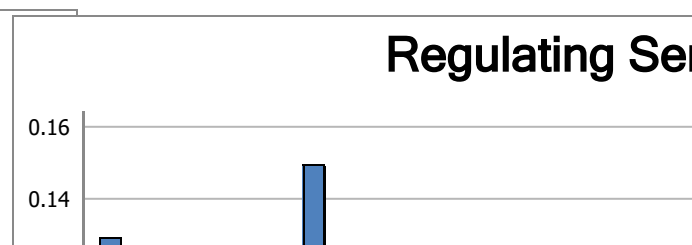


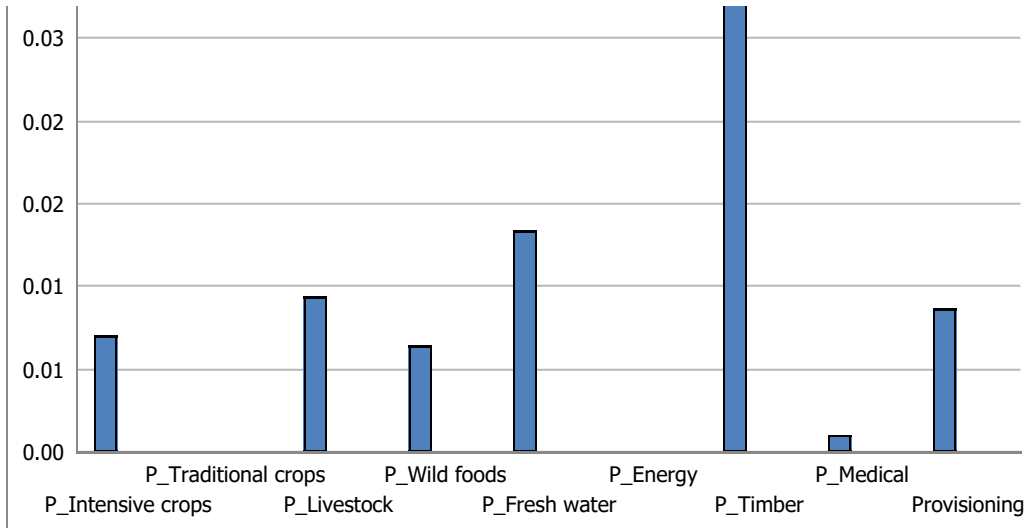


### Provisioning Services

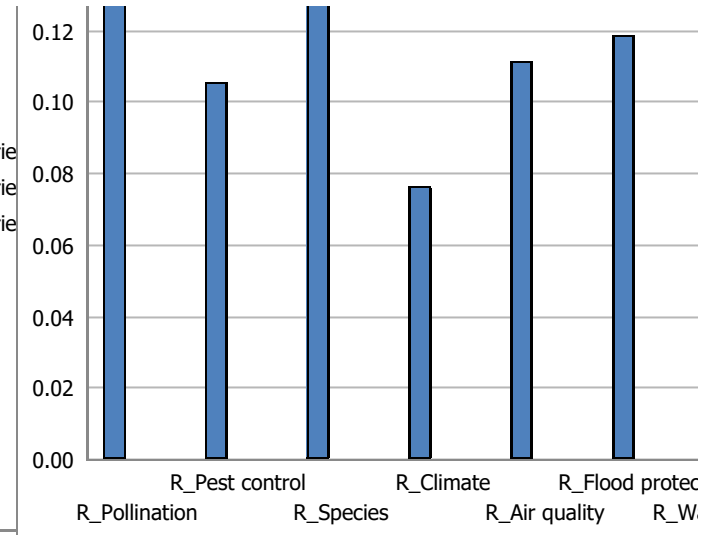


### Regulating Services





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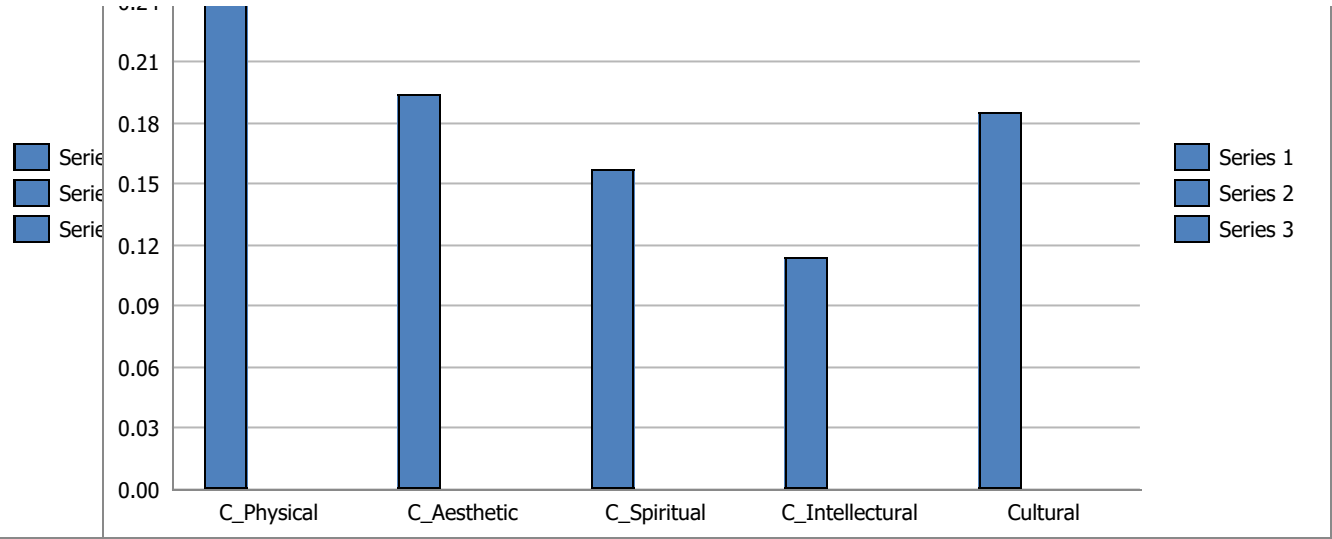
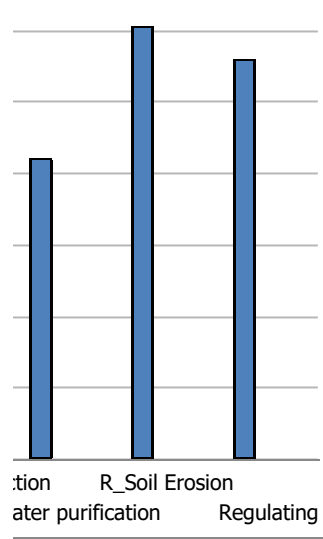




Services

### Regulating Services









|      |      |      |             |
|------|------|------|-------------|
| 0.00 | 0.00 | 0.00 | <b>0.00</b> |
| 0.00 | 0.00 | 0.00 | 0.00        |

| C_Aesthetic | C_Spiritual | C_Intellectu | <b>Cultural</b> |
|-------------|-------------|--------------|-----------------|
| 0.01        | 0.01        | 0.00         | <b>0.01</b>     |
| 0.00        | 0.00        | 0.00         | <b>0.00</b>     |
| 0.00        | 0.00        | 0.00         | <b>0.00</b>     |
| 0.01        | 0.01        | 0.00         | <b>0.01</b>     |
| #N/A        | #N/A        | #N/A         | <b>#N/A</b>     |
| 0.04        | 0.04        | 0.03         | <b>0.04</b>     |
| 0.00        | 0.00        | 0.00         | <b>0.00</b>     |
| 0.00        | 0.00        | 0.00         | <b>0.00</b>     |
| 0.00        | 0.00        | 0.00         | <b>0.00</b>     |
| 0.00        | 0.00        | 0.00         | <b>0.00</b>     |
| 0.00        | 0.00        | 0.00         | <b>0.00</b>     |
| 0.00        | 0.00        | 0.00         | <b>0.00</b>     |
| 0.00        | 0.00        | 0.00         | <b>0.00</b>     |
| 0.00        | 0.00        | 0.00         | <b>0.00</b>     |
| 0.00        | 0.00        | 0.00         | <b>0.00</b>     |
| 0.00        | 0.00        | 0.00         | <b>0.00</b>     |
| #N/A        | #N/A        | #N/A         | <b>#N/A</b>     |

| C_Aesthetic | C_Spiritual | C_Intellectu | <b>Cultural</b> |
|-------------|-------------|--------------|-----------------|
| 0.04        | 0.04        | 0.03         | <b>0.04</b>     |
| 0.00        | 0.00        | 0.00         | <b>0.00</b>     |
| 0.00        | 0.00        | 0.00         | <b>0.00</b>     |
| 0.00        | 0.00        | 0.00         | <b>0.00</b>     |
| 0.00        | 0.00        | 0.00         | <b>0.00</b>     |
| 0.00        | 0.00        | 0.00         | <b>0.00</b>     |
| 0.00        | 0.00        | 0.00         | <b>0.00</b>     |
| 0.00        | 0.00        | 0.00         | <b>0.00</b>     |
| 0.00        | 0.00        | 0.00         | <b>0.00</b>     |
| 0.00        | 0.00        | 0.00         | <b>0.00</b>     |
| 0.00        | 0.00        | 0.00         | <b>0.00</b>     |
| 0.00        | 0.00        | 0.00         | <b>0.00</b>     |
| 0.00        | 0.00        | 0.00         | <b>0.00</b>     |
| 0.00        | 0.00        | 0.00         | <b>0.00</b>     |
| 0.04        | 0.04        | 0.03         | 0.04            |

- J112 Other: Allotments
- J113 Grassland: Set-aside / Arable field margins
- J12 Grassland: Amenity grassland
- J13 Other: Ephemeral/short perennial
- J14 Other: Introduced shrub
- J4 Other: Bare ground
- URB Built Environment: Buildings/hardstanding
- B51 Wetland: Reedbed
- n/a Built Environment: Gardens (lawn and planting)
- n/a Other: Vertical face (correction factor)
- n/a Other: Living Wall
- n/a Other: Living roof - Extensive
- n/a Other: Living roof - Semi-intensive
- n/a Other: Living roof - Intensive
- n/a Other: Living roof - Brown
- n/a Other: Living roof - Mosaic

| C_Aesthetic | C_Spiritual | C_Intellectu | <b>Cultural</b> |
|-------------|-------------|--------------|-----------------|
| 0.19        | 0.16        | 0.11         | 0.19            |
| #N/A        | #N/A        | #N/A         | #N/A            |
| #N/A        | #N/A        | #N/A         | #N/A            |





INFERENCE

|  | G <sup>1</sup> | G <sup>2</sup> | G <sup>3</sup> | G <sup>4</sup> | R <sup>1</sup> |
|--|----------------|----------------|----------------|----------------|----------------|
| Median Stakeholder value   | 5              | 5              | 5              | 4.5            | 5              |
| Median Stakeholder value   | 4.5            | 4              | 3              | 3              | 3.5            |
| Set to mean of Semi-natural BL (A111) & coniferous plantation (A122)   | 3              | 2.5            | 1.5            | 3              | 2              |
| Median Stakeholder value   | 2              | 2              | 2              | 3              | 4.5            |
| Set to average (A111 + A121)   | 4.5            | 4.4            | 4.1            | 4.1            | 4.3            |
| Set to average (A112 + A122)   | 3.8            | 3.3            | 2.3            | 3              | 2.8            |
| Median Stakeholder value   | 2              | 2              | 2              | 3              | 4.5            |
| Set to A22   | 2              | 2              | 2              | 3              | 4.5            |
| Set to J12 for cultural; average (J12 + A112) for others (J12 = amenity; A112 = broadleaf plantation)        | 3.8            | 3              | 3              | 2.5            | 1              |
| same as A31  | 3.8            | 3              | 3              | 2.5            | 1              |
| Set to J12 for cultural; average (J12 + A122) for others (J12 = amenity; A122 = Conifer plantation)          | 2.8            | 1.8            | 1.3            | 1.8            | 1              |
| Set to J4 (bare ground) with reduced habitat (3-->1) and soil-related variables set to those of A132 (mixed) | 1              | 1              | 0              | 0.5            | 1              |
| Set to A112 with modified food provision (A112 = BL plantation)  | 4.5            | 4              | 3              | 3              | 3.5            |
| CT Added   | 5              | 4              | 2              | 2              | 2.5            |
| Median Stakeholder value   | 3.5            | 4.5            | 3              | 4              | 5              |
| Set to B11   | 3.5            | 4.5            | 3              | 4              | 5              |
| Median Stakeholder value   | 4              | 4              | 3              | 4              | 5              |
| Set to B21   | 4              | 4              | 3              | 4              | 5              |
| Median Stakeholder value   | 3.5            | 4.5            | 3              | 4              | 5              |
| Set to B31   | 3.5            | 4.5            | 3              | 4              | 5              |
| Median Stakeholder value   | 1              | 1              | 1              | 1              | 1              |
| Median Stakeholder value   | 3              | 4              | 3              | 4              | 5              |
| Set to mean of B4 and B22 (IG and Neutral grassland)   | 2.5            | 2.5            | 2              | 2.5            | 3              |
| Set to C31   | 1.5            | 2              | 1.5            | 2.5            | 5              |
| Median Stakeholder value   | 1.5            | 2              | 1.5            | 2.5            | 5              |
| Set to C31   | 1.5            | 2              | 1.5            | 2.5            | 5              |
| Median Stakeholder value   | 3              | 4.5            | 4              | 4              | 5              |
| Set to B5 with some expert modification (Pam) to reflect differences   | 2              | 4              | 3              | 4              | 4              |
| Set to B5 with some expert modification (Pam) to reflect differences   | 2              | 4              | 3              | 4              | 4              |
| Set to B5 with some expert modification (Pam) to reflect differences   | 2              | 4              | 3              | 4              | 4              |
| Set to B5 with some expert modification (Pam) to reflect differences   | 2              | 4              | 3              | 4              | 4              |
| Set to B5 with some expert modification (Pam) to reflect differences   | 2              | 4              | 3              | 4              | 4              |
| Median Stakeholder value   | 4              | 5              | 5              | 4              | 2.5            |
| Set to G1 (sthanding water)  | 4              | 5              | 5              | 4              | 2.5            |
| Set to J4 (bare ground)  | 1              | 1              | 0              | 0.5            | 1              |
| Set to J4 (bare ground)  | 1              | 1              | 0              | 0.5            | 1              |
| Set to J4 (bare ground)  | 1              | 1              | 0              | 0.5            | 1              |
| Median Stakeholder value   | 1              | 1              | 0.5            | 1              | 1              |

|   |     |   |     |     |     |
|---|-----|---|-----|-----|-----|
| Set to J12 (amenity) with increased food provision, reduced arable and more intellectual /spiritual interacti | 2   | 1 | 2   | 2   | 1   |
| CT Added  | 1   | 1 | 1   | 1   | 5   |
| Median Stakeholder value  | 2.5 | 1 | 1   | 0.5 | 1   |
| set to C31 (tall ruderal)   | 1.5 | 2 | 1.5 | 2.5 | 5   |
| set to C31 (tall ruderal)   | 1.5 | 2 | 1.5 | 2.5 | 5   |
| Median Stakeholder value  | 0   | 0 | 0   | 0   | 0   |
| Median Stakeholder value  | 0   | 0 | 0   | 0   | 0   |
| Set to B5 - WCC set   | 3   | 4 | 3   | 4   | 5   |
| - WCC set   | 3   | 2 | 1.5 | 1   | 1.5 |
| - WCC set   |     |   |     |     |     |
| same as garden - WCC set  | 3   | 2 | 1.5 | 1   | 1.5 |
| same as garden - WCC set  | 3   | 2 | 1.5 | 1   | 1.5 |
| same as garden - WCC set  | 3   | 2 | 1.5 | 1   | 1.5 |
| same as garden - WCC set  | 3   | 2 | 1.5 | 1   | 1.5 |
| same as garden WCC set  | 3   | 2 | 1.5 | 1   | 1.5 |
| same as garden - WCC set  | 3   | 2 | 1.5 | 1   | 1.5 |









| $R_i$ | $R_i$ | $R_i$ | $R_i$ | $R_i$ | $R_i$ | $R_i$ | $R_i$ | $q_i$ | $q_i$ | $q_i$ | $q_i$ | $q_i$ | $q_i$ | $q_i$ | $q_i$ |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 4     | 5     | 5     | 5     | 4.5   | 4     | 5     | 0     | 0     | 0.5   | 0     | 1     | 0     | 4     | 0     |       |
| 3     | 3.5   | 4     | 4     | 4     | 4     | 4     | 0     | 1     | 0     | 0.5   | 1     | 0     | 4.5   | 0     |       |
| 2     | 2     | 2.5   | 3     | 3     | 2.5   | 3.5   | 0     | 0     | 0.5   | 0.5   | 0.5   | 4     | 5     | 0     |       |
| 3.5   | 4     | 4     | 3     | 3     | 3     | 3     | 0     | 0     | 2.5   | 0     | 0     | 3     | 2     | 0.5   |       |
| 3.5   | 4.3   | 4.4   | 4.5   | 4.1   | 3.6   | 4.6   | 0     | 0     | 0.5   | 0.1   | 0.9   | 1     | 4.3   | 0     |       |
| 2.5   | 2.8   | 3.3   | 3.5   | 3.5   | 3.3   | 3.8   | 0     | 0.5   | 0.3   | 0.5   | 0.8   | 2     | 4.8   | 0     |       |
| 3.5   | 4     | 4     | 3     | 3     | 3     | 3     | 0     | 0     | 2.5   | 0     | 0     | 3     | 2     | 0.5   |       |
| 3.5   | 4     | 4     | 3     | 3     | 3     | 3     | 0     | 0     | 2.5   | 0     | 0     | 3     | 2     | 0.5   |       |
| 2     | 2.3   | 2.5   | 2.5   | 3     | 3     | 3.3   | 0     | 0.5   | 0.5   | 0.3   | 0.5   | 0     | 2.3   | 0     |       |
| 2     | 2.3   | 2.5   | 2.5   | 3     | 3     | 3.3   | 0     | 0.5   | 0.5   | 0.3   | 0.5   | 0     | 2.3   | 0     |       |
| 1.5   | 1.5   | 1.8   | 2     | 2.5   | 2.3   | 3     | 0     | 0     | 0.8   | 0.3   | 0.3   | 2     | 2.5   | 0     |       |
| 1     | 1     | 0     | 0     | 1     | 3.3   | 0     | 0     | 0     | 0     | 0     | 0.8   | 0     | 0     | 0     |       |
| 3     | 3.5   | 4     | 4     | 4     | 4     | 4     | 0     | 3     | 0     | 0.5   | 1     | 0     | 4.5   | 0     |       |
| 2.5   | 5     | 5     | 4     | 5     | 5     | 5     | 0     | 2     | 1     | 1     | 2     | 3     | 2     | 1     |       |
| 4     | 5     | 3     | 3     | 3     | 3     | 4     | 0     | 0     | 3     | 0.5   | 0     | 0     | 0     | 0.5   |       |
| 4     | 5     | 3     | 3     | 3     | 3     | 4     | 0     | 0     | 3     | 0.5   | 0     | 0     | 0     | 0.5   |       |
| 4     | 5     | 3     | 3     | 3     | 3     | 4     | 0     | 0     | 3     | 0.5   | 0     | 0     | 0     | 0     |       |
| 4     | 5     | 3     | 3     | 3     | 3     | 4     | 0     | 0     | 3     | 0.5   | 0     | 0     | 0     | 0     |       |
| 4     | 5     | 3     | 3     | 3     | 2.5   | 4     | 0     | 0     | 3     | 0.5   | 0     | 0     | 0     | 0     |       |
| 4     | 5     | 3     | 3     | 3     | 2.5   | 4     | 0     | 0     | 3     | 0.5   | 0     | 0     | 0     | 0     |       |
| 1     | 1     | 1     | 1     | 2     | 1.5   | 2.5   | 1.5   | 0     | 5     | 0     | 0     | 0     | 0     | 0     |       |
| 3.5   | 5     | 3     | 3     | 4     | 4     | 4     | 0     | 0     | 3.5   | 0.5   | 1     | 0     | 0     | 0.5   |       |
| 2.5   | 3     | 2     | 2     | 2.5   | 2.3   | 3.3   | 0.8   | 0     | 4     | 0.3   | 0     | 0     | 0     | 0     |       |
| 4     | 4     | 3     | 2.5   | 2     | 2.5   | 3     | 0     | 0     | 1.5   | 0.5   | 0.5   | 0     | 0     | 0.5   |       |
| 4     | 4     | 3     | 2.5   | 2     | 2.5   | 3     | 0     | 0     | 1.5   | 0.5   | 0.5   | 0     | 0     | 0.5   |       |
| 4     | 4     | 3     | 2.5   | 2     | 2.5   | 3     | 0     | 0     | 1.5   | 0.5   | 0.5   | 0     | 0     | 0.5   |       |
| 3.5   | 5     | 3.5   | 3     | 3     | 3     | 3.5   | 0     | 0     | 2.5   | 0.5   | 0     | 0     | 0     | 0.5   |       |
| 3.5   | 5     | 3.5   | 3     | 4     | 4     | 4     | 0     | 0     | 1.5   | 0.5   | 1.5   | 0     | 0     | 0.5   |       |
| 3.5   | 5     | 3.5   | 3     | 4     | 4     | 4     | 0     | 0     | 1.5   | 0.5   | 1     | 0     | 0     | 0.5   |       |
| 3.5   | 5     | 3.5   | 3     | 4     | 4     | 4     | 0     | 0     | 1.5   | 0.5   | 1.5   | 0     | 0     | 0.5   |       |
| 3.5   | 5     | 3.5   | 3     | 4     | 4     | 4     | 0     | 0     | 1.5   | 0.5   | 1.5   | 0     | 0     | 0.5   |       |
| 3.5   | 5     | 3.5   | 3     | 4     | 4     | 4     | 0     | 0     | 1.5   | 0.5   | 1     | 0     | 0     | 0.5   |       |
| 2     | 5     | 2.5   | 2     | 2.5   | 3.5   | 0.5   | 0     | 0     | 1     | 1.5   | 5     | 0     | 0     | 0.5   |       |
| 2     | 5     | 2.5   | 2     | 2.5   | 3.5   | 0.5   | 0     | 0     | 1     | 1.5   | 5     | 0     | 0     | 0.5   |       |
| 1     | 3     | 0     | 0     | 1     | 1     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |       |
| 1     | 3     | 0     | 0     | 1     | 1     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |       |
| 1     | 3     | 0     | 0     | 1     | 1     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |       |
| 1     | 0.5   | 1.5   | 1     | 1     | 1     | 1     | 5     | 4     | 1     | 0     | 0     | 0     | 0     | 1     |       |

|     |     |     |     |   |     |     |   |   |     |     |     |   |   |     |
|-----|-----|-----|-----|---|-----|-----|---|---|-----|-----|-----|---|---|-----|
| 1   | 1   | 1   | 1   | 2 | 2   | 2.5 | 0 | 4 | 0   | 0   | 0   | 0 | 0 | 0   |
| 5   | 4   | 4   | 2.5 | 3 | 4   | 4   | 0 | 1 | 1   | 1   | 0   | 1 | 0 | 0   |
| 1   | 1   | 1   | 1   | 2 | 2   | 2.5 | 0 | 0 | 1   | 0   | 0   | 0 | 0 | 0   |
| 4   | 4   | 3   | 2.5 | 2 | 2.5 | 3   | 0 | 0 | 1.5 | 0.5 | 0.5 | 0 | 0 | 0.5 |
| 4   | 4   | 3   | 2.5 | 2 | 2.5 | 3   | 0 | 0 | 1.5 | 0.5 | 0.5 | 0 | 0 | 0.5 |
| 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   |
| 3.5 | 5   | 3   | 3   | 4 | 4   | 4   | 0 | 0 | 3.5 | 0.5 | 1   | 0 | 0 | 0.5 |
| 1   | 1.5 | 0.5 | 1   | 1 | 0.5 | 1   | 0 | 0 | 0   | 0   | 0   | 0 | 0 | 0   |
| 1   | 1.5 | 0.5 | 1   | 1 | 0.5 | 1   | 0 | 0 | 0   | 0   | 0   | 0 | 0 | 0   |
| 1   | 1.5 | 0.5 | 1   | 1 | 0.5 | 1   | 0 | 0 | 0   | 0   | 0   | 0 | 0 | 0   |
| 1   | 1.5 | 0.5 | 1   | 1 | 0.5 | 1   | 0 | 0 | 0   | 0   | 0   | 0 | 0 | 0   |
| 1   | 1.5 | 0.5 | 1   | 1 | 0.5 | 1   | 0 | 0 | 0   | 0   | 0   | 0 | 0 | 0   |







| Pro | Res | Cur | P > |
|-----|-----|-----|-----|
| 1.1 | 4.7 | 4.9 | 0.2 |
| 1.3 | 3.8 | 3.6 | 0.3 |
| 1.2 | 2.6 | 2.5 | 0.2 |
| 0.9 | 3.5 | 2.3 | 0.8 |
| 1.1 | 4.2 | 4.3 | 0.2 |
| 1.3 | 3.2 | 3.1 | 0.3 |
| 0.9 | 3.5 | 2.3 | 0.8 |
| 0.9 | 3.5 | 2.3 | 0.8 |
| 0.8 | 2.4 | 3.1 | 0.3 |
| 0.8 | 2.4 | 3.1 | 0.3 |
| 0.7 | 1.9 | 1.9 | 0.3 |
| 0.2 | 0.9 | 0.6 | 0   |
| 1.7 | 3.8 | 3.6 | 1   |
| 1.4 | 4.3 | 3.3 | 0   |
| 0.6 | 3.8 | 3.8 | 1   |
| 0.6 | 3.8 | 3.8 | 1   |
| 0.6 | 3.8 | 3.8 | 1   |
| 0.6 | 3.8 | 3.8 | 1   |
| 0.6 | 3.7 | 3.8 | 1   |
| 0.6 | 3.7 | 3.8 | 1   |
| 1.3 | 1.4 | 1   | 2.2 |
| 0.9 | 3.9 | 3.5 | 1.2 |
| 1   | 2.6 | 2.4 | 1.6 |
| 0.4 | 3.3 | 1.9 | 0.5 |
| 0.4 | 3.3 | 1.9 | 0.5 |
| 0.4 | 3.3 | 1.9 | 0.5 |
| 0.5 | 3.7 | 3.9 | 0.8 |
| 0.6 | 3.9 | 3.3 | 0.5 |
| 0.5 | 3.9 | 3.3 | 0.5 |
| 0.6 | 3.9 | 3.3 | 0.5 |
| 0.6 | 3.9 | 3.3 | 0.5 |
| 0.5 | 3.9 | 3.3 | 0.5 |
| 1.2 | 2.6 | 4.5 | 0.3 |
| 1.2 | 2.6 | 4.5 | 0.3 |
| 0   | 0.9 | 0.6 | 0   |
| 0   | 0.9 | 0.6 | 0   |
| 0   | 0.9 | 0.6 | 0   |
| 2   | 1   | 0.9 | 3.3 |











Index Link 3.61% 1.75224  
 Insurance Fund 10.00%  
 Management Cost 20.00%

Woodland

| Biodiversity Impact Score | Primary habitat required in offset | Target habitat distinctiveness |       | Target ha condition |
|---------------------------|------------------------------------|--------------------------------|-------|---------------------|
|                           |                                    | Distinctiveness                | Score | Condition           |
| 0.0000                    | Woodland: Broad-leaved plantation  | Medium                         | 4     | Moderate            |

Grassland

| Biodiversity Impact Score | Primary habitat required in offset         | Target habitat distinctiveness |       | Target ha condition |
|---------------------------|--|--------------------------------|-------|---------------------|
|                           |  | Distinctiveness                | Score | Condition           |
| 0.0000                    | Grassland: Semi-improved neutral grassland | Medium                         | 4     | Moderate            |

| Biodiversity Impact Score | Primary habitat required in offset            | Target habitat distinctiveness |       | Target ha condition |
|---------------------------|---|--------------------------------|-------|---------------------|
|                           |   | Distinctiveness                | Score | Condition           |
|                           | Grassland: Semi-improved calcareous grassland | Medium high                    | 5     | Moderate            |

Wetland

| Biodiversity Impact Score | Primary habitat required in offset   | Target habitat distinctiveness |       | Target ha condition |
|---------------------------|--------------------------------------|--------------------------------|-------|---------------------|
|                           |                                      | Distinctiveness                | Score | Condition           |
| 0.0000                    | Wetland: Standing Water (lined pond) | High                           | 6     | Good                |

| Biodiversity Impact Score | Primary habitat required in offset | Target habitat distinctiveness | Target ha condition |
|---------------------------|------------------------------------|--------------------------------|---------------------|
|---------------------------|------------------------------------|--------------------------------|---------------------|

|        |  | ness | Score | Condition |
|--------|--|------|-------|-----------|
| 0.0000 | Wetland: Standing Water (unlined pond) | High | 6     | Good      |

| Biodiversity Impact Score | Primary habitat required in offset                | Habitat distinctiveness |       | Target ha |
|---------------------------|---|-------------------------|-------|-----------|
|                           |   | ness                    | Score | conditi   |
| 0.0000                    | Wetland: Running Water (River / stream restoratio | High                    | 6     | Good      |

Hedgerow

| Biodiversity Impact Score | Primary habitat required in offset   | Target habitat distinctiveness |       | Target ha |
|---------------------------|--------------------------------------|--------------------------------|-------|-----------|
|                           |                                      | ness                           | Score | conditi   |
| 0.00                      | Native species rich hedge with trees | High                           | 6     | Moderate  |

Biodiversity Accounting costs: <https://tinyurl.com/BNG-costs>

| Habitat<br>ion | Time till target<br>condition |         | Difficulty of<br>creation |            | Strategic<br>area | Hectares<br>of habitat<br>required |
|----------------|-------------------------------|---------|---------------------------|------------|-------------------|------------------------------------|
|                | Score                         | (years) | Score                     | Difficulty |                   |                                    |
|                |                               |         |                           |            |                   |                                    |
| 2              | 27                            | 2.6     | Low                       | 1          | 1                 | 0.0000                             |

| Provider<br>Agreement<br>Set-up costs |
|---------------------------------------|
| H                                     |
| £7,000                                |
| £0                                    |

| Habitat<br>ion | Time till target<br>condition |         | Difficulty of<br>creation |            | Strategic<br>area | Hectares<br>of habitat<br>required |
|----------------|-------------------------------|---------|---------------------------|------------|-------------------|------------------------------------|
|                | Score                         | (years) | Score                     | Difficulty |                   |                                    |
|                |                               |         |                           |            |                   |                                    |
| 2              | 10                            | 1.4     | Low                       | 1          | 1                 | 0.0000                             |

| Provider<br>Agreement<br>Set-up costs |
|---------------------------------------|
| H                                     |
| £7,000                                |
| £0                                    |

| Habitat<br>ion | Time till target<br>condition |                 | Difficulty of<br>creation |            | Strategic<br>area | Hectares<br>of habitat<br>required |
|----------------|-------------------------------|-----------------|---------------------------|------------|-------------------|------------------------------------|
|                | Score                         | Time<br>(years) | Score                     | Difficulty |                   |                                    |
|                |                               |                 |                           |            |                   |                                    |
| 2              | 15                            | 1.7             | Medium                    | 1.5        | 1                 | 0.0000                             |

| Provider<br>Agreement<br>Set-up costs |
|---------------------------------------|
| H                                     |
| £7,000                                |
| £0                                    |

| Habitat<br>ion | Time till target<br>condition |         | Difficulty of<br>creation |            | Strategic<br>area | Hectares<br>of habitat<br>required |
|----------------|-------------------------------|---------|---------------------------|------------|-------------------|------------------------------------|
|                | Score                         | (years) | Score                     | Difficulty |                   |                                    |
|                |                               |         |                           |            |                   |                                    |
| 3              | 5                             | 1.2     | Medium                    | 1.5        | 2                 | 0.0000                             |

| Provider<br>Agreement<br>Set-up costs |
|---------------------------------------|
| J                                     |
| £7,000                                |
| £0                                    |

| Habitat<br>ion | Time till target<br>condition | Difficulty of<br>creation | Strategic<br>area | of habitat |
|----------------|-------------------------------|---------------------------|-------------------|------------|
|----------------|-------------------------------|---------------------------|-------------------|------------|

| Agreement |
|-----------|
|-----------|

| Score | (years) | Score | Difficulty | Score |   |        |
|-------|---------|-------|------------|-------|---|--------|
| 3     | 5       | 1.2   | Medium     | 1     | 1 | 0.0000 |

|        |
|--------|
| J      |
| £7,000 |
| £0     |

| Score | (years) | Score | Difficulty | Score | Strategic area | habitat |
|-------|---------|-------|------------|-------|----------------|---------|
| 3     | 3       | 1.1   | Medium     | 1.5   | 1              | 0.00    |

|           |
|-----------|
| Agreement |
| J         |
| £7,000    |
| £0        |

| Score | (years) | Score | Difficulty | Score | Strategic Area | Km of habitat required |
|-------|---------|-------|------------|-------|----------------|------------------------|
| 2     | 20      | 2     | Low        | 1     | 1              | 0.00                   |

|                                 |
|---------------------------------|
| Provider Agreement Set-up costs |
| H                               |
| £7,000                          |
| £0                              |

| Average Woodland creation cost per ha | Woodland maintenance cost per ha for 30 years | 30 yrs Maintenance Cost plus inflation | Estimated cost of offset | Insurance Contribution (index linked) |
|---------------------------------------|---|--|--------------------------|---------------------------------------|
| I                                     | £2513.33 = J                                  | J x 1.75 = K                           | H + I + K = L            | M                                     |
| £49,488                               | £75,400                                       | 3.61%                                  |                          | 10%                                   |
| £0.00                                 | £0.00   | £0.00                                  | £0.00                    | £0.00                                 |
|                                       |   |  |                          | Cost per ha of                        |

| Average Meadow creation cost per ha | Meadow maintenance cost per ha for 30 years | 30 yrs Maintenance Cost plus inflation | Estimated cost of offset | Insurance Contribution (index linked) |
|-------------------------------------|---|--|--------------------------|---------------------------------------|
| I                                   | £2340 x 30 = J                              | J x 1.75 = K                           | H + I + K = L            | M                                     |
| £34,715                             | £70,200                                     | 3.61%                                  |                          | 10%                                   |
| £0.00                               | £0.00                                       | £0.00                                  | £0.00                    | £0.00                                 |
|                                     |   |  |                          | Cost per ha of                        |

| Average Meadow creation cost per ha | Meadow maintenance cost per ha for 30 years | 30 yrs Maintenance Cost plus inflation | Estimated cost of offset | Insurance Contribution (index linked) |
|-------------------------------------|---|--|--------------------------|---------------------------------------|
| I                                   | £2340 x 30 = J                              | J x 1.75 = K                           | H + I + K = L            | M                                     |
| £34,862                             | £70,200                                     | 3.61%                                  |                          | 10%                                   |
| £0.00                               | £0.00                                       | £0.00                                  | £0.00                    | £0.00                                 |
|                                     |   |  |                          | Cost per ha of                        |

| Average lined pond creation cost per ha | Pond maintenance cost per ha for 30 years | 30 yrs Maintenance Cost plus inflation at | Estimated cost of offset | Insurance Contribution (index linked) |
|---|---|---|--------------------------|---------------------------------------|
| K                                       | £5263.33 x 30 = L                         | L x 1.75 = M                              | I + J + L = N            | O                                     |
| £262,877                                | £157,900                                  | 3.61%                                     |                          | 10%                                   |
| £0.00                                   | £0.00                                     | £0.00                                     | £0.00                    | £0.00                                 |
|   |   |   |                          | Cost per ha of                        |

| lined pond creation cost | maintenance cost | Cost plus inflation | Estimated cost of offset | Contribution |
|--------------------------|------------------|---------------------|--------------------------|--------------|
|--------------------------|------------------|---------------------|--------------------------|--------------|



| K        | $\pounds 5263.33 \times 30 = L$ | $L \times 1.75 = M$ | $I + J + L = N$ | O              |
|----------|---------------------------------|---------------------|-----------------|----------------|
| £124,429 | £157,900                        | 3.61%               |                 | 10%            |
| £0.00    | £0.00                           | £0.00               | <b>£0.00</b>    | £0.00          |
|          |                                 |                     |                 | Cost per ha of |

| restoration | cost per km for 30           | Cost plus inflation | Estimated cost of offset | Contribution   |
|-------------|------------------------------|---------------------|--------------------------|----------------|
| K           | $\pounds 2000 \times 30 = L$ | $L \times 1.75 = M$ | $I + J + L = N$          | O              |
| £530,000    | £60,000                      | 3.61%               |                          | 10%            |
| £0.00       | £0.00                        | £0.00               | <b>£0.00</b>             | £0.00          |
|             |                              |                     |                          | Cost per km of |

| Average Hedgerow creation cost per km | Hedgerow maintenance cost per km for 30 years | 30 yrs Maintenance Cost plus inflation at | Estimated cost of offset | Insurance Contribution (index linked) |
|---------------------------------------|---|---|--------------------------|---------------------------------------|
| I                                     | $\pounds 7270 \times 30 = J$                  | $J \times 1.75 = K$                       | $H + I + K = L$          | M                                     |
| £9,400                                | £218,100                                      | 3.61%                                     |                          | 10%                                   |
| £0.00                                 | £0.00   | £0.00                                     | <b>£0.00</b>             | £0.00                                 |
|                                       |   |   |                          | Cost per ha of                        |

| Management Cost<br>(index linked) | Total Cost of Offset Contribution |
|-----------------------------------|-----------------------------------|
| N                                 | L + M + N                         |
| 20%                               |                                   |
| £0.00                             | <b>£0.00</b>                      |
| f habitat created                 | £0.00                             |
| Cost per unit                     | £0.00                             |

| Management Cost<br>(index linked) | Total Cost of Offset Contribution |
|-----------------------------------|-----------------------------------|
| N                                 | L + M + N                         |
| 20%                               |                                   |
| £0.00                             | <b>£0.00</b>                      |
| f habitat created                 | £0.00                             |
| Cost per unit                     | £0.00                             |

| Management Cost<br>(index linked) | Total Cost of Offset Contribution |
|-----------------------------------|-----------------------------------|
| N                                 | L + M + N                         |
| 20%                               |                                   |
| £0.00                             | <b>£0.00</b>                      |
| f habitat created                 | £0.00                             |
| Cost per unit                     | £0.00                             |

| Management Cost<br>(index linked) | Total Cost of Offset Contribution |
|-----------------------------------|-----------------------------------|
| P                                 | N + O + P                         |
| 20%                               |                                   |
| £0.00                             | <b>£0.00</b>                      |
| f habitat created                 | £0.00                             |
| Cost per unit                     | £0.00                             |

|      |        |
|------|--------|
| Cost | Offset |
|------|--------|

| P                 | N + O + P    |
|-------------------|--------------|
| 20%               |              |
| £0.00             | <b>£0.00</b> |
| f habitat created | £0.00        |
| Cost per unit     | £0.00        |

| Cost              | Offset       |
|-------------------|--------------|
| P                 | N + O + P    |
| 20%               |              |
| £0.00             | <b>£0.00</b> |
| f habitat created | £0.00        |
| Cost per unit     | £0.00        |

| Management Cost<br>(index linked) | Total Cost of Offset Contribution |
|-----------------------------------|-----------------------------------|
| N                                 | L + M + N                         |
| 20%                               |                                   |
| £0.00                             | <b>£0.00</b>                      |
| f habitat created                 | £0.00                             |
| Cost per unit                     | £0.00                             |



