## Warwickshire Coventry and Solihull - Biodiversity Impact Assessment Calculator

## v. 17.7: 16/01/2014 Please fill in both tables

| KEY |                    |  |  |  |  |  |  |  |  |  |
|-----|--------------------|--|--|--|--|--|--|--|--|--|
|     | No action required |  |  |  |  |  |  |  |  |  |
|     | Enter value        |  |  |  |  |  |  |  |  |  |
|     | Drop-down menu     |  |  |  |  |  |  |  |  |  |
|     | Calculation        |  |  |  |  |  |  |  |  |  |
|     | Automatic lookup   |  |  |  |  |  |  |  |  |  |
|     | Result             |  |  |  |  |  |  |  |  |  |

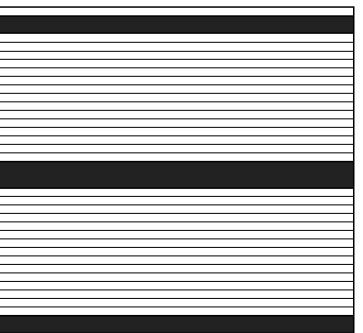
Local Planning Authority: Site name: Planning application reference number: Assessor: Date: Please do not edit the formulae or structure To condense the form for display hide vacant rows, do not delete them If additional rows are required, or to provide feedback on the calculator please contact WCC Ecological Services

|         |   | Result  | -            | Date:           |                         |                  | 1                 |                            |                           | 1            | please contact  | WUU ECOlogic     | al Services                           | J       |
|---------|---|---|--------------|-----------------|-------------------------|------------------|-------------------|----------------------------|---------------------------|--------------|-----------------|------------------|---------------------------------------|---------|
|         |   | nesuit  | 1            |                 |                         |                  |                   | Habitat Biodiversity Value |                           |              |                 |                  |                                       | 1       |
| j       | 1   |   |              |                 |                         | 1                |                   | Habitats to h              | e retained with           |              |                 | 1                |                                       | 4       |
|         | Existing habitats on site<br>Please enter all habitats within the site boundary |   |              | Habitat disti   | Habitat distinctiveness |                  | Habitat condition |                            | no change within          |              | enhanced within |                  | to be <u>lost</u> within<br>relopment |         |
| -       |   | Please enter <u>an</u> habitats within the site boundary      |              |                 |                         |                  |                   | devel                      | lopment                   | develo       | opment          | dev              | elopment                              |         |
|         |   |   | Habitat area |                 | _                       |                  |                   |                            |                           |              |                 |                  |                                       | Comment |
| T. Note | code  | Phase 1 habitat description                                   | (ha)         | Distinctiveness |                         | Condition        | Score             | Area (ha)                  | Existing value            | Area (ha)    | Existing value  | Area (ha)        | Existing value                        |         |
|         |   | Direct Impacts and retained habitats                          |              |                 | A                       |                  | В                 | С                          | $A \times B \times C = D$ | E            | A x B x E = F   |                  | A x B x G = H                         |         |
|         | C31   | Other: Tall ruderal   | 0.08         | Low             | 2                       | Poor             | 1                 |                            |                           | 0.04         |                 | 0.08             | 0.15                                  |         |
|         | A22   | Woodland: Scattered scrub                                     | 0.05         | Medium          | 4                       | Poor             | 1                 |                            |                           | 0.04         | 0.16            | 0.01             | 0.04                                  |         |
|         | J11<br>A111   | Other: Arable<br>Woodland: Broad-leaved semi-natural woodland | 6.54<br>0.18 | Low<br>High     | 2                       | Poor<br>Moderate | 1 2               |                            |                           | 1.59<br>0.18 | 3.18<br>2.16    | 4.95             | 9.90                                  |         |
|         | ATT   | woodiand: Broad-leaved semi-natural woodiand                  | 0.10         | High            | 0                       | Moderate         | 2                 |                            |                           | 0.16         | 2.10            |                  |                                       |         |
|         |   |   |              |                 |                         |                  |                   |                            |                           |              |                 |                  |                                       |         |
|         |   |   |              |                 |                         |                  |                   |                            |                           |              |                 |                  |                                       |         |
|         |   |   |              |                 |                         |                  |                   |                            |                           |              |                 |                  |                                       |         |
|         |   |   |              |                 |                         |                  |                   |                            |                           |              |                 |                  |                                       |         |
|         |   |   |              |                 |                         |                  |                   |                            |                           |              |                 |                  |                                       |         |
|         |   |   |              |                 |                         |                  |                   |                            |                           |              |                 |                  |                                       |         |
|         |   |   |              |                 |                         |                  |                   |                            |                           |              |                 |                  |                                       |         |
|         |   |   |              |                 |                         |                  |                   |                            |                           |              |                 |                  |                                       |         |
|         |   |   |              |                 |                         |                  |                   |                            |                           |              |                 |                  |                                       |         |
|         |   |   |              |                 |                         |                  |                   |                            |                           |              |                 |                  |                                       |         |
|         |   |   |              |                 |                         |                  |                   |                            |                           |              |                 |                  |                                       |         |
|         |   |   |              |                 |                         |                  |                   |                            |                           |              |                 |                  |                                       |         |
|         |   |   |              |                 |                         |                  |                   |                            |                           |              |                 |                  |                                       |         |
|         |   |   |              |                 |                         |                  |                   |                            |                           |              |                 |                  |                                       |         |
|         |   |   |              |                 |                         |                  |                   |                            |                           |              |                 |                  |                                       |         |
|         |   |   |              |                 |                         |                  |                   |                            |                           |              |                 |                  |                                       |         |
|         |   |   |              |                 |                         |                  |                   |                            |                           |              |                 |                  |                                       |         |
|         |   |   |              |                 |                         |                  |                   |                            |                           |              |                 |                  |                                       |         |
|         |   |   |              |                 |                         |                  |                   |                            |                           |              |                 |                  |                                       |         |
|         |   |   |              |                 |                         |                  |                   |                            |                           |              |                 |                  |                                       |         |
|         |   |   |              |                 |                         |                  |                   |                            |                           |              |                 |                  |                                       |         |
|         |   |   |              |                 |                         |                  |                   |                            |                           |              |                 |                  |                                       |         |
|         |   |   |              |                 |                         |                  |                   |                            |                           |              |                 |                  |                                       |         |
|         |   |   |              |                 |                         |                  |                   |                            |                           |              |                 |                  |                                       |         |
|         |   | Total   | 6.8          | 5               |                         |                  | Tota              | 0.0                        | 0.00                      | 1.81         | 5.50            | 5.04             | 10.09                                 |         |
|         |   | i ota   | 0.0          | <u>.</u>        |                         |                  | 1018              | 0.00                       | 0.00                      | 1.01         | 0.00            | 0.04             | ΣD + ΣF + ΣH                          |         |
|         |   |   |              |                 |                         |                  |                   |                            |                           |              | Site habitat bi | odiversity value | 15.59                                 |         |
|         |   | Indirect Impacts  |              |                 |                         |                  |                   | Value of loss              | from indirect imp         | acts         |                 |                  | 10.00                                 |         |
| Bef     | ore/after   | Including off site habitats                                   |              |                 |                         |                  |                   | K x A x B                  |                           |              |                 |                  |                                       |         |
|         | impact  |   | к            |                 |                         |                  |                   | = Li, Lii                  | Li - Lii                  |              |                 |                  |                                       |         |
|         |   | Grassland: Semi-improved neutral grassland                    | 6.08         | Medium          | 4                       | Moderate         | 2                 | 48.64                      | 24.32                     |              |                 |                  |                                       |         |
|         | After   |   |              |                 |                         | Poor             | 1                 | 24.32                      |                           |              |                 |                  |                                       |         |
|         | Before  |   |              |                 |                         |                  |                   |                            |                           |              |                 |                  |                                       |         |
|         | After   |   |              |                 |                         |                  |                   |                            |                           |              |                 |                  |                                       |         |
|         | Before  |   |              |                 |                         |                  |                   |                            |                           |              |                 |                  |                                       |         |
|         | After   |   |              |                 |                         |                  |                   |                            |                           |              |                 |                  |                                       |         |
|         | Before  |   |              |                 |                         |                  |                   |                            |                           |              |                 |                  |                                       |         |
|         | After   |   |              |                 |                         |                  |                   |                            |                           |              |                 |                  |                                       |         |
|         | Before  |   |              |                 |                         |                  |                   |                            |                           |              |                 |                  |                                       |         |
|         | After   |   |              |                 |                         |                  |                   |                            |                           |              |                 |                  |                                       |         |
|         |   | Total   | 6.0          | 8               |                         |                  |                   | Ν                          | 1 24.32                   |              |                 |                  | HIS = J + M                           |         |
|         |   |   |              |                 |                         |                  |                   |                            |                           |              | Habitat Impa    | ct Score (HIS)   | 34.41                                 |         |

## Habitat Impact Score (HIS) 34.41

| Proposed habitats on site<br>(Onsite mitigation) |      | Target habitats distinctiveness                |                     | Target habitat condition |                    | Time till target condition |                  | Difficulty of creation /<br>restoration |              | Habitat |                    |                   |                        |         |
|--|------|--|---------------------|--------------------------|--------------------|----------------------------|------------------|---|--------------|---------|--------------------|-------------------|------------------------|---------|
| T Note   | code | Phase 1 habitat description                    | Area (ha)           | Distinctiveness          | Score              | Condition                  | Score            |   | Time (years) | Score   |                    | Score             | biodiversity value     | Comment |
| 1.11010  |      | Habitat Creation                               | N                   |                          | 0                  |                            | Р                |   |              | Q       |                    | R                 | (N x O x P)<br>/ Q / R |         |
|  | n/a  | Built Environment: Buildings/hardstanding      | 3.23                | none                     | 0                  | Poor                       | 1                |   | 5 years      | 1.2     | Low                | 1                 | 0.00                   |         |
|  |      | Built Environment: Gardens (lawn and planting) | 1.39                | Low                      | 2                  | Moderate                   | 2                |   | 5 years      | 1.2     | Low                | 1                 | 4.63                   |         |
|  | J12  | Grassland: Amenity grassland                   | 0.39                | Low                      | 2                  | Poor                       | 1                |   | 5 years      | 1.2     | Low                | 1                 | 0.65                   |         |
|  |      |  |                     |                          |                    |                            |                  |   |              |         |                    |                   |                        |         |
|  |      |  |                     |                          |                    |                            |                  |   |              |         |                    |                   |                        |         |
|  |      |  |                     |                          |                    |                            |                  |   |              |         |                    |                   |                        |         |
|  |      |  |                     |                          |                    |                            |                  |   |              |         |                    |                   |                        |         |
|  |      |  |                     |                          |                    |                            |                  |   |              |         |                    |                   |                        |         |
|  |      |  |                     |                          |                    |                            |                  |   |              |         |                    |                   |                        |         |
|  |      |  |                     |                          | _                  |                            |                  |   |              |         |                    |                   |                        |         |
|  |      |  | _                   |                          |                    |                            |                  |   |              |         |                    |                   |                        |         |
|  |      |  |                     |                          | -                  |                            |                  |   |              |         | -                  |                   |                        |         |
|  |      |  |                     |                          |                    |                            |                  |   |              |         |                    |                   |                        |         |
|  |      |  |                     |                          | +                  |                            |                  |   |              |         |                    |                   |                        |         |
|  |      | Tota   | al 5.0°             | EPROR Total a            | area of hobitate a | rooted must equal          | total area of ha | hitata loot                             |              |         |                    |                   |                        |         |
|  |      | Habitat Enhancement                            | 5.0                 | ERROR - TUIdi a          |                    | sieateu must equal         |                  | Existing value                          |              |         |                    |                   | ((N x O x P) - S)      |         |
|  |      |  |                     |                          |                    |                            |                  | S (= F)                                 |              |         |                    |                   | /Q/R                   |         |
|  | Δ22  | Woodland: Scattered scrub                      | 0.04                | Medium                   | 4                  | Moderate                   | 2                | 0.16                                    | 5 years      | 1.2     | Low                | 1                 | 0.13                   |         |
|  | A111 | Woodland: Broad-leaved semi-natural woodland   | 0.18                | High                     | 6                  | Good                       | 3                | 2.16                                    | 10 years     | 1.4     | Low                | 1                 | 0.77                   |         |
|  | B22  | Grassland: Semi-improved neutral grassland     | 1.59                | Medium                   | 4                  | Moderate                   | 2                | 3.18                                    | 10 years     | 1.4     | Low                | 1                 | 6.81                   |         |
|  |      |  |                     |                          |                    |                            |                  |   |              |         |                    |                   |                        |         |
|  |      |  |                     |                          |                    |                            |                  |   |              |         |                    |                   |                        |         |
|  |      |  |                     |                          |                    |                            |                  |   |              |         |                    |                   |                        |         |
|  |      |  |                     |                          |                    |                            |                  |   |              |         |                    |                   |                        |         |
|  |      |  |                     |                          |                    |                            |                  |   |              |         |                    |                   |                        |         |
|  |      |  |                     |                          |                    |                            |                  |   |              |         |                    |                   |                        |         |
|  |      |  |                     |                          |                    |                            |                  |   |              |         |                    |                   |                        |         |
|  |      |  |                     |                          |                    |                            |                  |   |              |         |                    |                   |                        |         |
|  |      |  |                     |                          |                    |                            |                  |   |              |         |                    |                   |                        |         |
|  |      |  |                     |                          |                    |                            |                  |   |              |         |                    |                   |                        |         |
|  |      |  |                     |                          |                    |                            |                  |   |              |         |                    |                   |                        |         |
|  |      |  |                     |                          |                    |                            |                  |   |              |         |                    |                   |                        |         |
|  |      | Tota   | al 1.8 <sup>.</sup> | 1                        |                    |                            |                  |   |              |         | Trading down       | correction value  | 0.00                   |         |
|  |      |  |                     |                          |                    |                            |                  |   |              | -       | labitat Mitigation | on Score (HMS)    |                        |         |
|  |      |  |                     |                          |                    |                            |                  |   |              |         |                    |                   | HBIS = HMS - HIS       |         |
|  |      |  |                     |                          |                    |                            |                  |   |              |         |                    | y Impact Score    |                        | Loss    |
|  |      |  |                     |                          |                    |                            |                  |   |              | Percer  | ntage of biodive   | rsity impact loss | 62.21                  |         |





| No action required |                      |
|--------------------|----------------------|
| Action required    |                      |
| Drop-down menu     |                      |
| Calculation        |                      |
| Automatic lookup   |                      |
| Overall Result     | Loss to biodiversity |
|                    | Gain to biodiversity |