


Biodiversity Impact Assessment Summary

| Site name: | Berry Hill Road, Adderbury |
| :--- | :---: |
| Planning reference number: |  |


| Habitats | Area (ha) | Habitat Biodiversity Value |
| :---: | :---: | :---: |
| Total existing area onsite | 4.00 | 8.69 |
| Habitats negatively impacted by development Habitat Impact Score | 3.25 | 7.19 |
| On site habitat mitigation Habitat <br> Mitigation Score  | 4.00 | 7.50 |
| Habitat Biodiversity Impact Score If -ve further compensation required |  | 0.31 |
| Percentage of biodiversity impact |  |  |
| Linear features | Length (km) | Linear Biodiversity Value |
| Total existing length onsite | 4.10 | 41.00 |
| Linear features negatively impacted by development Linear Impact Score | 0.00 | 0.00 |
| On site linear mitigation Linear  <br> Mitigation Score  | 4.10 | 10.25 |
| Linear Biodiversity Impact Score If -ve further compensation required |  | 10.25 |
| Percentage of linear biodiversity impact |  |  |

For any questions with regard to biodiversity impact and this development please contact Warwickshire County Council Ecological Services:
email: planningecology@warwickshire.gov.uk
tel: 01926418060

If there is an anticipated loss to biodiversity and no further ecological enhancements can be incorporated within the development it may be possible to compensate for this loss through a biodiversity offsetting scheme.

Please contact The Environment Bank for discussions on potential receptor sites in your area:
email: Imartland@environmentbank.com
tel: 01926412772

| Phase 1 Habitat Descriptions | Phase 1 Habitat Codes | Distinctiveness | Difficulty of creation |  | Difficulty of restoration |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Built Environment: Buildings/hardstanding | n/a | none 0 | Low | 1 | Low |  |
| Built Environment: Gardens (lawn and planting) | n/a | Low 1 | Low | 1 | Low | 1 |
| Woodland: Broad-leaved semi-natural woodland | A111 | High 6 | n/a |  | Low | 1 |
| Woodland: Broad-leaved plantation | A112 | Medium 4 | Medium | 1.5 | Low | 1 |
| Woodland: Coniferous semi-natural woodland | A121 | Medium 4 | n/a |  | Low | 1 |
| Woodland: Coniferous plantation | A122 | Low 2 | Medium | 1.5 | Low | 1 |
| Woodland: Mixed semi-natural woodland | A131 | Medium 4 | n/a | - | Low | 1 |
| Woodland: Mixed plantation | A132 | Low 2 | Medium | 1.5 | Low | 1 |
| Woodland: Wet woodland | n/a | High 6 | Medium | 1.5 | Medium | 1.5 |
| Woodland: Dense continuous scrub | A21 | Medium-Low 3 | Low | 1 | Low | 1 |
| Woodland: Scattered scrub | A22 | Medium 4 | Low | 1 | Low | 1 |
| Woodland: Scattered trees | A3 | Medium 4 | Low | 1 | Low | 1 |
| Woodland: Broad-leaved parkland | A31 | High 6 | Medium | 1.5 | Low | 1 |
| Woodland: Coniferous parkland | A32 | Medium 4 | Medium | 1.5 | Low | 1 |
| Woodland: Recently felled woodland | A4 | Low 2 | n/a |  | n/a | - |
| Woodland: Orchard | A5 | High 6 | Low | 1 | Low | 1 |
| Grassland: Unimproved acidic grassland | B11 | High 6 | Medium | 1.5 | Low | 1 |
| Grassland: Semi-improved acidic grassland | B12 | Medium-High 5 | Medium | 1.5 | Low | 1 |
| Grassland: Unimproved neutral grassland | B21 | High 6 | Medium | 1.5 | Low | 1 |
| Grassland: Semi-improved neutral grassland | B22 | Medium 4 | Medium | 1.5 | Low | 1 |
| Grassland: Unimproved calcareous grassland | B31 | High 6 | Medium | 1.5 | Low | 1 |
| Grassland: Semi-improved calcareous grassland | B32 | Medium-High 5 | Medium | 1.5 | Low | 1 |
| Grassland: Poor semi-improved grassland | B6 | Medium-Low 3 | Medium | 1.5 | Low | 1 |
| Grassland: Improved grassland | B4 | Low 2 | n/a |  | Low | 1 |
| Grassland: Marsh / Marshy grassland | B5 | High 6 | High | 3 | Medium | 1.5 |
| Grassland: Dry heath / Acidic grassland mosaic | D5 | High 6 | Medium | 1.5 | Medium | 1.5 |
| Grassland: Set-aside / Arable field margins | J113 | High 6 | Low | 1 | Low | 1 |
| Grassland: Amenity grassland | J12 | Low 2 | Low | 1 | Low | 1 |
| Wetland: Standing water | G1 | High 6 | Medium | 1.5 | Medium | 1.5 |
| Wetland: Running water | G2 | High 6 | Medium | 1.5 | Medium | 1.5 |
| Wetland: Reedbed | n/a | High 6 | low | 1 | low | 1 |
| Wetland: Sphagnum Bog | E11 | High 6 | Very High | 10 | High | 3 |
| Wetland: Acid/neutral flush | E21 | High 6 | High | 3 | Medium | 1.5 |
| Wetland: Basin Mire | E32 | High 6 | High | 3 | Medium | 1.5 |
| Wetland: Swamp | F1 | High 6 | High | 3 | Medium | 1.5 |
| Wetland: Inundation vegetation | F22 | High 6 | Low | 1 | Low | 1 |
| Other: Arable | J11 | Low 2 | n/a |  | n/a | - |
| Other: Continuous bracken | C11 | Low 2 | Low | 1 | Low | 1 |
| Other: Tall ruderal | C31 | Medium-Low 3 | Low | 1 | Low | 1 |
| Other: Non-ruderal | C32 | Medium 4 | Low | 1 | Low | 1 |
| Other: Ephemeral/short perennial | J13 | Low 2 | Low | 1 | Low | 1 |
| Other: Allotments | J112 | Low 2 | Low | 1 | Low | 1 |
| Other: Quarry | 121 | Low 2 | Low | 1 | Low | 1 |
| Other: Spoil | 122 | Low 2 | Low | 1 | Low | 1 |
| Other: Refuse tip | 124 | Low 2 | Low | 1 | Low | 1 |
| Other: Introduced shrub | J14 | Low 2 | Low | 1 | Low | 1 |
| Other: Bare ground | J4 | Low 2 | Low | 1 | Low | 1 |


| Other: Green roof | n/a | Low\|2 |  | Low |  | Low |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Linear features |  |  |  |  |  |  |  |
| Hedges: Intact hedge | J21 | Medium 4 | 4 | Low | 1 | Low | 1 |
| Hedges: Native species rich intact hedge | J211 | High 6 | 6 | Low | 1 | Low | 1 |
| Hedges: Hedge with trees | J23 | Medium-High 5 | 5 | Low | 1 | Low | 1 |
| Hedges: Native species rich hedge with trees | J231 | High 6 | 6 | Low | 1 | Low | 1 |
| Hedges: Defunct hedge | J22 | Low 2 |  | $\mathrm{n} / \mathrm{a}$ | - | n/a - | - |
| Hedges: Linear scrub | A21 | Medium 4 | 4 | Low | 1 | Low | 1 |
| Hedges: Linear trees | A3 | Medium 4 | 4 | Low | 1 | Low | 1 |
| Hedges: Introduced shrub | J14 | Low 2 | 2 | Low | 1 | Low | 1 |
| Ditches: Standing water | G1 | High 6 | 6 | Medium | 2 | Low | 1 |
| Ditches: Running water | G2 | High 6 | 6 | Medium | 2 | Low | 1 |
| Ditches: Dry ditch | J26 | Low 2 | 2 | Low | 1 | Low | 1 |
| Boundaries: Fence | J24 | None 0 | 0 | Low | 1 | Low | 1 |
| Boundaries: Wall | J25 | Low 2 | 2 | Low | 1 | Low | 1 |
| Boundaries: Dry stone wall | J25 | Medium 4 | 4 | Low | 1 | Low | 1 |
| Other: Inland cliff | 11 | Medium 4 | 4 | Low | 1 | Low | 1 |
| Other: Earth bank | J28 | Low 2 | 2 | Low | 1 | Low | 1 |
| Other: Green wall | n/a | Low 2 |  | Low | 1 | Low |  |


| Distinctiveness |  |
| :---: | :---: |
| High | 6 |
| Medium-High | 5 |
| Medium | 4 |
| Medium-Low |  |
| Low | 2 |
| none | 0 |
| Condition |  |
| Good | 3 |
| Moderate |  |
| Poor |  |
| Time |  |
| 5 years | 1.2 |
| 10 years | 1.4 |
| 15 years | 1.7 |
| 20 years |  |
| 25 years | 2.4 |
| 30 years | 2.8 |
| $32+$ years | 3 |
| Difificuly |  |
| Very high | 10 |
| High |  |
| Medium | 1.5 |
| Low |  |
| n/a |  |



Proposed Site

| Proposed habitat creation | Area of habitat creation | Distinctiveness | High distinctiveness proposed biodiversity value | Medium-High distinctiveness proposed biodiversity value | Medium distinctiveness proposed biodiversity value | Medium-Low distinctiveness proposed biodiversity value |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Woodland: Broad-leaved plantation | 0.23 | Medium | 0.00 | 0.00 | 0.44 | 0.00 |
| Woodland: Scattered scrub | 0.15 | Medium | 0.00 | 0.00 | 1.29 | 0.00 |
| Built Environment: Buildings/hardstanding | 1.65 | none | 0.00 | 0.00 | 0.00 | 0.00 |
| Built Environment: Gardens (lawn and planting) | 0.28 | Low | 0.00 | 0.00 | 0.00 | 0.00 |
| Other: Bare ground | 0.06 | Low | 0.00 | 0.00 | 0.00 | 0.00 |
| Wetland: Standing water | 0.13 | High | 0.74 | 0.00 | 0.00 | 0.00 |
| Grassland: Amenity grassland | 0.75 | Low | 0.00 | 0.00 | 0.00 | 0.00 |
| $\square-$ | - |  | 0.00 | 0.00 | 0.00 | 0.00 |
| - | - |  | 0.00 | 0.00 | 0.00 | 0.00 |
| - | - |  | 0.00 | 0.00 | 0.00 | 0.00 |
| - | - |  | 0.00 | 0.00 | 0.00 | 0.00 |
| - | - |  | 0.00 | 0.00 | 0.00 | 0.00 |
| - | - |  | 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 habitat enhancement | Area | Distinctiveness | High | Medium-High | Medium | Medium-Low |
| Grassland: Semi-improved neutral grassland | 0.75 | Medium | 0.00 | 0.00 | 3.21 | 0.00 |
| $\square$ - | - |  | 0.00 | 0.00 | 0.00 | 0.00 |
| - | - |  | 0.00 | 0.00 | 0.00 | 0.00 |
| - | - |  | 0.00 | 0.00 | 0.00 | 0.00 |
| - | - |  | 0.00 | 0.00 | 0.00 | 0.00 |
| - | - |  | 0.00 | 0.00 | 0.00 | 0.00 |
| - | - |  | 0.00 | 0.00 | 0.00 | 0.00 |
| - | - |  | 0.00 | 0.00 | 0.00 | 0.00 |
| - | - |  | 0.00 | 0.00 | 0.00 | 0.00 |
| - | - |  | 0.00 | 0.00 | 0.00 | 0.00 |
| - | - |  | 0.00 | 0.00 | 0.00 | 0.00 |
| - | - |  | 0.00 | 0.00 | 0.00 | 0.00 |
| - | - |  | 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 | 4.00 |  | 0.74 | 0.00 | 4.94 | 0.00 |


| Trading Down Correction | High | Medium-High | Medium | Medium-Low |
| :---: | :---: | :---: | :---: | :---: |
| Value of existing habitat loss per distinctiveness | 0.00 | 0.00 | 1.12 | 0.21 |
| Value of created habitats per distinctiveness | 0.74 | 0.00 | 4.94 | 0.00 |
| Would this result in trading down habitats? | Never | No | No | No |
| If no, value each distinctiveness still requiring compensation | 0 | 0 | 0 | 0 |
| Surplus gain to be carried over to compensate loss of lower habitats (rolls over) | 0.74 | 0.74 | 4.56 | 4.35 |
| Trading down correction value | n/a | 0 | 0 | 0 |

This calculator assess whether there is any down trading in habitats value. E.g. loss of high distinctiveness habitat cannot be compensated for by surpluss medium mitigation. It ca value which enters into the primary calculator to take this into account. Such that the full level of high habitat loss compensation is required. However if additional medium gain is g value of the high loss, this surplus is still be taken into account with on site gain.

CAUTION - Destruction of habitats of high distinctiveness, e.g. lowland meadow or ancient woodland, may be against local policy. Has 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.

| Linear trading down correction calculator |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Existing linear features |  | length of loss (km) | Distinctiveness | High distinctiveness linear loss biodiversity value | Medium-High distinctiveness linear loss biodiversity value | Medium distinctiveness linear loss biodiversity value | Medium-Low distinctiveness linear loss biodiversity value | Low distinctiveness linear loss biodiversity value |
| Direct impacts |  |  |  |  |  |  |  |  |
| Hedges: Hedge with trees |  |  | Medium-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 | 0.00 | 0.00 | 0.00 | 0.00 |
|  | - |  |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  | - |  |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  | - |  |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  | - |  |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  | - |  |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  | - |  |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  | - |  |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  | - |  |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  | - |  |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  | - |  |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  | - |  |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  | - |  |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  | - |  |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  | - |  |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  | - |  |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  | - |  |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  | - |  |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  | - |  |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  | - |  |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  | - |  |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  | - |  |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  | - |  |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|  | - |  |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Indirect 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 | 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 | 0.00 | 0.00 | 0.00 | 0.00 |


| Proposed Site |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Proposed linear creation | Length of feature (km) | Distinctiveness | High distinctiveness proposed linear biodiversity value | Medium-High distinctiveness proposed linear biodiversity value | Medium distinctiveness proposed linear biodiversity value | Medium-Low distinctiveness proposed linear biodiversity value | Low distinctiveness proposed linear biodiversity value |
| - | 0.00 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| - | 0.00 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| - | 0.00 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| - | 0.00 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| - | 0.00 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| - | 0.00 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| - | 0.00 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| - | 0.00 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| - | 0.00 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| - | 0.00 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| - | 0.00 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| - | 0.00 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| - | 0.00 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| - | 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 | Medium-High | Medium | Medium-Low | Low |
| Hedges: Hedge with trees | 4.10 | Medium-High | 0.00 | 10.25 | 0.00 | 0.00 | 0.00 |
| - - | 0.00 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| - | 0.00 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| - | 0.00 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| - | 0.00 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| - | 0.00 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| - | 0.00 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| - | 0.00 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| - | 0.00 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| - | 0.00 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| - | 0.00 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| - | 0.00 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| - | 0.00 |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| - | 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 | 4.10 |  | 0.00 | 10.25 | 0.00 | 0.00 | 0.00 |
|  |  |  |  |  |  |  |  |
| Linear trading down correction |  |  | High | Medium-High | Medium | Medium-Low | Low |
| Value of existing habitat loss per distinctiveness |  |  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Value of created habitats per distinctiveness |  |  | 0.00 | 10.25 | 0.00 | 0.00 | 0.00 |
| Would this result in trading down habitats? |  |  | Never | No | No | No | No |
| If no, value each distinctiveness still requiring compensation |  |  | 0 | 0 | 0 | 0 | 0.00 |
|  |  |  | 0 | 10.25 | 10.25 | 10.25 | n/a |
| Surplus gain to be carried over to compensate loss of lower habitats (rolls over) <br> Trading down correction value |  |  | n/a | 0 | 0 | 0 | 0 |

This calculator assess whether there is any down trading in linear habitats. E.g. loss of high distinctiveness habitat and surplus creation of medium or low habitats. It calculates a correction value which enters into the primary calculator to take this into account. Such that the full level of high habitat loss compensation is required. However if additional medium gain is generated above the value of the high oss, this surplus is still be taken into account with on site gain.

[^0]\[

$$
\begin{gathered}
\hline \text { Total } \\
\hline 0.00 \\
\hline
\end{gathered}
$$
\]


[^0]:    CAUTION - Destruction of each habitat of medium distinctiveness and above should be mitigated for with creation/restoration of a similar habitat. Trading up of habitat type is encouraged.

