

Warwickshire Coventry and Solihull - Biodiversity Impact Assessment Calculator

v. 18.0 07/02/2014
Please fill in both tables:

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

| | |
|--|---------------------------------------|
| Local Planning Authority: | Warwick DC |
| Site name: | Land North of Tamworth Road, Keresley |
| Planning application reference number: | |
| Assessor: | Aspect Ecology (Colin Lee) |
| Date: | 16/06/2014 |

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|--|
| 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 |

| T. Note | code | Phase 1 habitat description | Habitat area (ha) | Habitat distinctiveness | | Habitat condition | | Habitat Biodiversity Value | | | | Comment | | |
|---|------|---|-------------------|-----------------------------|-------|-------------------|-------|---|---------------|---|----------------|---------------------|--|----------------|
| | | | | Distinctiveness | Score | Condition | Score | Habitats to be retained with no change within development | | Habitats to be retained and enhanced within development | | | Habitats to be lost within development | |
| | | | | | | | | A | B | Area (ha) | Existing value | | Area (ha) | Existing value |
| Existing habitats on site Please enter all habitats within the site boundary | | | | | | | | C | A x B x C = D | E | A x B x E = F | G | A x B x G = H | |
| Direct Impacts and retained habitats | | | | | | | | | | | | | | |
| F3 | J11 | Other: Arable | 2.50 | Low | 2 | Poor | 1 | | | | | 2.50 | 5.00 | |
| F2 | J11 | Other: Arable | 3.40 | Low | 2 | Poor | 1 | | | | | 3.40 | 6.80 | |
| F1 | J11 | Other: Arable | 1.70 | Low | 2 | Poor | 1 | | | | | 1.70 | 3.40 | |
| F7 | J11 | Other: Arable | 3.60 | Low | 2 | Poor | 1 | | | | | 3.60 | 7.20 | |
| F5 | J11 | Other: Arable | 1.90 | Low | 2 | Poor | 1 | | | | | 1.90 | 3.80 | |
| F4 | J11 | Other: Arable | 3.10 | Low | 2 | Poor | 1 | | | | | 3.10 | 6.20 | |
| F15 | B6 | Grassland: Poor semi-improved grassland | 3.60 | Medium-Low | 3 | Poor | 1 | | | | | 3.60 | 10.80 | |
| F6 | J11 | Other: Arable | 4.60 | Low | 2 | Poor | 1 | | | | | 4.60 | 9.20 | |
| F13 | B6 | Grassland: Poor semi-improved grassland | 3.60 | Medium-Low | 3 | Poor | 1 | | | | | 3.60 | 10.80 | |
| F12 | B6 | Grassland: Poor semi-improved grassland | 2.30 | Medium-Low | 3 | Poor | 1 | | | | | 2.30 | 6.90 | |
| F14 | B6 | Grassland: Poor semi-improved grassland | 3.45 | Medium-Low | 3 | Poor | 1 | | | | | 3.45 | 10.35 | |
| F9 | B6 | Grassland: Poor semi-improved grassland | 3.30 | Medium-Low | 3 | Poor | 1 | | | | | 3.30 | 9.90 | |
| F10 | B6 | Grassland: Poor semi-improved grassland | 2.10 | Medium-Low | 3 | Poor | 1 | | | | | 2.10 | 6.30 | |
| F11 | A21 | Woodland: Dense continuous scrub | 0.25 | Medium-Low | 3 | Poor | 1 | | | 0.25 | 0.75 | | | |
| F8 | B6 | Grassland: Poor semi-improved grassland | 2.15 | Medium-Low | 3 | Poor | 1 | | | 0.40 | 1.20 | 1.75 | 5.25 | |
| P2 | G1 | Wetland: Standing water | 0.15 | High | 6 | Poor | 1 | | | 0.15 | 0.90 | | | |
| P3 | G1 | Wetland: Standing water | 0.05 | High | 6 | Poor | 1 | | | 0.05 | 0.30 | | | |
| P1 | G1 | Wetland: Standing water | 0.10 | High | 6 | Moderate | 2 | 0.10 | 1.20 | | | | | |
| J12 | | Grassland: Amenity grassland | 0.35 | Low | 2 | Poor | 1 | | | | | 0.35 | 0.70 | |
| Total | | | 42.20 | | | | | 0.10 | 1.20 | 0.65 | 3.15 | 41.25 | 102.60 | |
| | | | | | | | | Site habitat biodiversity value | | | | ΣD + ΣF + ΣH | 106.95 | |
| Indirect Impacts | | | | | | | | Value of loss from indirect impacts | | | | | | |
| Before/after impact | | | | Including off site habitats | | | | K x A x B = Li, Lii | | | | Li - Lii | | |
| Before | | | | K | | | | | | | | | | |
| After | | | | | | | | | | | | | | |
| Before | | | | | | | | | | | | | | |
| After | | | | | | | | | | | | | | |
| Before | | | | | | | | | | | | | | |
| After | | | | | | | | | | | | | | |
| Before | | | | | | | | | | | | | | |
| After | | | | | | | | | | | | | | |
| Total | | | 0.00 | | | | | M | | | | 0.00 | ΣI + ΣJ + ΣM | 102.60 |
| | | | | | | | | Habitat Impact Score (HIS) | | | | 102.60 | | |

| T. Note | Proposed habitats on site (Onsite mitigation) | | Target habitats distinctiveness | | Target habitat condition | | Existing value S (= F) | Time till target condition | | Difficulty of creation / restoration | | Habitat biodiversity value (N x O x P) / Q / R | Comment | |
|-----------|--|---|---------------------------------|-----------------|--------------------------|-----------|---------------------------|----------------------------|--------------|--------------------------------------|------------|---|--|---|
| | code | Phase 1 habitat descriptor | Area (ha) | Distinctiveness | Score | Condition | | Score | Time (years) | Score | Difficulty | | | |
| | | | | | | | | | | | Q | | | R |
| | Habitat Creation | | | | | | | | | | | | | |
| | | | N | | | O | | | | | | P | | |
| | n/a | Built Environment: Buildings/hardstanding | 5.20 | none | 0 | Poor | 1 | 5 years | 1.2 | Low | 1 | 0.00 | Based on 30%curtilage being building | |
| | n/a | Built Environment: Gardens (lawn and planting) | 16.30 | Low | 2 | Poor | 1 | 5 years | 1.2 | Low | 1 | 27.17 | Based on 30% curtilage being building | |
| | B22 | Grassland: Semi-improved neutral grassland | 4.35 | Medium | 4 | Moderate | 2 | 10 years | 1.4 | Medium | 1.5 | 16.57 | | |
| | J12 | Grassland: Amenity grassland | 2.00 | Low | 2 | Poor | 1 | 5 years | 1.2 | Low | 1 | 3.33 | | |
| | G1 | Wetland: Standing water | 0.80 | High | 6 | Moderate | 2 | 10 years | 1.4 | Medium | 1.5 | 4.57 | | |
| spine ro | n/a | Built Environment: Buildings/hardstanding | 1.90 | none | 0 | Poor | 1 | 5 years | 1.2 | Low | 1 | 0.00 | | |
| infrastru | n/a | Built Environment: Buildings/hardstanding | 1.40 | none | 0 | Poor | 1 | 5 years | 1.2 | Low | 1 | 0.00 | | |
| primary | n/a | Built Environment: Buildings/hardstanding | 0.65 | none | 0 | Poor | 1 | 5 years | 1.2 | Low | 1 | 0.00 | | |
| primary | n/a | Built Environment: Gardens (lawn and planting) | 0.65 | Low | 2 | Poor | 1 | 5 years | 1.2 | Low | 1 | 1.08 | | |
| part of d | A31 | Woodland: Broad-leaved parkland / Scattered trees | 2.00 | High | 6 | Moderate | 2 | 15 years | 1.7 | Medium | 1.5 | 9.41 | estimate tbd within detailed design | |
| | B22 | Grassland: Semi-improved neutral grassland | 1.90 | Medium | 4 | Moderate | 2 | 5 years | 1.2 | Medium | 1.5 | 8.44 | flood drainage areas along WC1 | |
| local cen | n/a | Built Environment: Buildings/hardstanding | 1.00 | none | 0 | Poor | 1 | 5 years | 1.2 | Low | 1 | 0.00 | estimate tbd within detailed design | |
| | J112 | Other: Allotments | 0.10 | Low | 2 | Poor | 1 | 5 years | 1.2 | Low | 1 | 0.17 | | |
| | | Total | 41.25 | | | | | | | | | | | |
| | Habitat Enhancement | | | | | | | | | | | | | |
| P2 | G1 | Wetland: Standing water | 0.15 | High | 6 | Moderate | 2 | 5 years | 1.2 | Medium | 1.5 | 0.50 | | |
| P3 | G1 | Wetland: Standing water | 0.05 | High | 6 | Moderate | 2 | 5 years | 1.2 | Medium | 1.5 | 0.17 | | |
| F8 | A21 | Woodland: Dense continuous scrub | 0.25 | Medium-Low | 3 | Moderate | 2 | 5 years | 1.2 | Low | 1 | 0.63 | | |
| | B6 | Grassland: Poor semi-improved grassland | 0.40 | Medium-Low | 3 | Moderate | 2 | 5 years | 1.2 | Low | 1 | 1.00 | Area in W of F8 retained, protected and enhanced due to previously highlighted remnant MG4 grassland within LWS information. | |
| | | Total | 0.85 | | | | | | | | | | | |
| | | | | | | | | | | | | | Trading down correction value | |
| | | | | | | | | | | | | | 0 | |
| | | | | | | | | | | | | | Habitat Mitigation Score (HMS) | |
| | | | | | | | | | | | | | 73.04 | |
| | | | | | | | | | | | | | Habitat Biodiversity Impact Score | |
| | | | | | | | | | | | | | -29.56 Loss | |
| | | | | | | | | | | | | | Percentage of biodiversity impact loss | |
| | | | | | | | | | | | | | 28.81 | |

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