

## ECO - Summary Report Template

### Please read the following before completing the report:

- This report template is to be used by “Suitably Qualified Ecologist’s” providing reports which address issues within Ecology 1, 2, 3 and 4. It is a mandatory requirement that this document is completed in a Code for Sustainable Homes submission of evidence.
  - The appointed, licensed Code Assessor is to pass this document to the appointed ecologist who conducted/ will conduct the ecology work.
  - The appointed ecologist is to complete all sections of this report and return it completed with all relevant documentation in the Appendix to the assessor.
  - An ecologist may have been appointed to carry out ecological site surveys and to produce an ecology report without being aware that a Code assessment has been, or is to be conducted. In this instance, the ecologist should fill in the relevant details required for the Code in this report template.
  - The assessor is to use this report in conjunction with the latest version of the relevant Code Guidance and information provided by the developer / client, to carry out the assessment for the Ecology Category issues stated above.
  - There are 6 sections (sections A - F) in this document.
  - Section A1 requires contact details for the ecologist and developer / client; section A2 requires the development details.
  - Section B1 determines whether the appointed ecologist is ‘suitably qualified’ (under the requirements of the Code); and if not, section B2 determines whether the report has been verified by an ecologist who is ‘suitably qualified’.
  - Section C determines whether the findings of the report have been based on data collected from site surveys conducted at appropriate times of the year to determine whether different species are evident.  
(Note: If ‘No’ is recorded for either Section B or C then the contents of the ecology report cannot be used to determine compliance with the Code requirements).
  - Section D provides the assessor with the necessary information to base the assessment on for the various Ecology credits.
  - Section E provides details of the documentation / information to be included within the appendix of this guidance.
- Section F requires the signature of the appointed ecologist who has completed this document.

## Code for Sustainable Homes - Technical Guidance Issue

This template is for use with the following technical guidance issue(s):

- November 2010
- November 2010 Addendum (2014) England
- November 2010 Addendum (2014) Wales

## Section A1

### Contact Details:

### Ecologist's Details

|                           |  |
|---------------------------|--|
| Company Name:             | SLR Consulting Ltd   |
| Company Address:          | 83 Victoria Street, London SW1H 0HW  |
| Contact Name:             | Rachel Holmes  |
| Contact Telephone Number: | 0203 691 5810  |
| Ecology Report Reference: | 418-02629-00002-Gloucester Avenue, Camden, London: Preliminary Ecological Appraisal Report |

## Section A2

### Contact Details:

### Development details

|   |   |
|---|---|
| STROMA Certification Site Reference Number: |   |
| Client/Developer Reference Number:          |   |
| Development Name:                           | 44-44A Gloucester Avenue                  |
| Development Address:                        | 44-44A Gloucester Avenue, London, NW1 8LD |

## Section B - To be completed by the Ecologist

### Part 1: Suitably Qualified Ecologist's Qualifications

|    |   |   |
|----|---|---|
| 1. | Do you hold a degree (or equivalent qualification, e.g. N/SVQ level 5) in ecology or related subject?   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
|    | If Yes please provide details:<br><b>Rachel Holmes holds the following relevant qualifications;</b><br><b>BSc (Hons) Environmental Biology</b><br><b>MSc Environmental and Resource Assessment</b><br><b>PhD Applied Ecology</b>  |   |
| 2. | Are you a practising ecologist with a minimum of 3 years relevant experience within the last 5 years?   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
|    | Relevant experience must clearly demonstrate a practical understanding of factors affecting ecology in relation to construction and the built environment and will include acting in an advisory capacity to provide recommendations for ecological protection, enhancement and mitigation measures, e.g. ecological impact assessments.  |   |
|    | If Yes please provide details;<br><b>Rachel Holmes has worked as Ecological Consultant since 2005.</b>  |   |
| 3. | Are you bound by a professional code of conduct and subject to peer review?*  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
|    | A full member of one of the following organisations will be deemed suitable: Chartered Institution of Water and Environmental Management (CIWEM); Institute of Ecology and Environmental Management (IEEM); Institute of Environmental Management and Assessment (IEMA); Landscape Institute (LI).  |   |
|    | If Yes please provide details:<br><b>Rachel Holmes is a full member of CIEEM and a Chartered Environmentalist.</b>  |   |
|    | *Peer review is defined as the process employed by a professional body to demonstrate that potential or current full members maintain a standard of knowledge and experience required to ensure compliance with a code of conduct and professional ethics.  |   |
| 4. | If the answer to any question in Section B Part 1 is 'No' then the ecologist writing the report does not meet the requirements of a Suitably Qualified Ecologist under the Code.<br><br>The ecology report therefore cannot be used in the Code assessment unless it is verified by a 'Suitably Qualified Ecologist'. If this is the case, proceed to Section B Part 2.<br><br>If the ecologist does meet the requirements of a Suitably Qualified Ecologist, proceed to Section C. |   |

### Part 2: Report Verification

|    |  |
|----|--|
| 5. | If the appointed ecologist does not meet the requirements of a Suitably Qualified Ecologist, the report must be verified by an individual who does meet these requirements. Otherwise the ecology report cannot be used in the Code assessment.  |
| 6. | The individual verifying the report must provide written confirmation that they comply with the definition of a Suitably Qualified Ecologist as detailed above in Section B Part 1.  |
| 7. | The individual verifying the report must confirm in writing they have read and reviewed the report and found it to: <ul style="list-style-type: none"> <li>○ Represent sound industry practice</li> <li>○ Report and recommend correctly, truthfully, and objectively</li> <li>○ Be appropriate given the local site conditions and scope of works proposed</li> <li>○ Avoid invalid, biased, and exaggerated statements.</li> </ul> |
| 8. | Written confirmation from the third party verifier on all the points detailed under 6 and 7 above must be included in the Appendix to this report (see Section E).   |

## Section C - To be completed by the Ecologist

### Part 3: Site Survey

|     |  |   |                             |       |      |  |        |      |  |
|-----|--|---|-----------------------------|-------|------|--|--------|------|--|
| 9.  | Have the findings of the ecology report been based on data collected from a site survey(s)?  | Yes <input checked="" type="checkbox"/>   | No <input type="checkbox"/> |       |      |  |        |      |  |
|     | If Yes please provide details to confirm this (e.g. date(s) and scope of site survey(s)):<br><b>A Preliminary Ecological Appraisal was undertaken on 20<sup>th</sup> January 2015. All habitats were mapped and assessed for their potential to support protected species. A desk study was also undertaken to collate the details of rare, notable and legally protected species and conservation sites within 1km.</b> |   |                             |       |      |  |        |      |  |
| 10. | On what date will initial site preparation works commence?   | <table><tr><td>Day</td><td>Month</td><td>Year</td></tr><tr><td></td><td>Summer</td><td>2017</td></tr></table> | Day                         | Month | Year |  | Summer | 2017 |  |
| Day | Month  | Year  |                             |       |      |  |        |      |  |
|     | Summer   | 2017  |                             |       |      |  |        |      |  |
| 11. | If 'No' has been answered to Question 1 of Section C the ecology report cannot be used to determine compliance with the requirements of the relevant Code credits.   |   |                             |       |      |  |        |      |  |
|     | If the site survey was carried out after initial site preparation works commenced, the ecology report cannot be used to determine compliance with the requirements of the relevant Code credits.   |   |                             |       |      |  |        |      |  |
|     | The contents of the ecology report must be representative of the site's existing ecology immediately prior to the commencement of initial site preparation works.  |   |                             |       |      |  |        |      |  |

## Section D - To be completed by the Ecologist

### Part 4: ECO 1 - Ecological Value of Site

|     |   |                              |  |
|-----|---|------------------------------|--|
| 12. | Is the construction zone of low or insignificant ecological value?<br><br><b>The site is generally considered to be of low ecological value; however, the buildings provide some potential to support roosting bats. Further surveys will confirm the status of the site. If bats do not roost on the site then this credit can be awarded.</b> | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
|     | The construction zone includes any land used for buildings, hard standing, landscaping, site access and any other land where construction work is carried out (or land being disturbed in any way), plus a 3 metre boundary in either direction around these areas. It also includes any areas used for temporary site storage and buildings.   |                              |  |
| 13. | If yes, is there any land outside the construction zone but inside the development site of ecological value?  | Yes <input type="checkbox"/> | No <input type="checkbox"/>            |
|     | If Yes to point 13, please provide details:   |                              |  |
| 14. | If yes, is it possible for all areas / features of ecological value to remain undisturbed by the construction works?  | Yes <input type="checkbox"/> | No <input type="checkbox"/>            |

### Part 5: ECO 2 - Ecological Enhancement

|     |  |   |                             |
|-----|--|---|-----------------------------|
| 15. | Has the developer / client required you to provide advice and recommendations for enhancing site ecology?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 16. | If Yes, please provide below, a brief statement outlining all of your <b>KEY</b> recommendations*:<br><ul style="list-style-type: none"><li><b>Plant at least two native tree species within the landscaped areas;</b></li><li><b>Erect three bat boxes and two bird boxes at suitable locations on the buildings. Including boxes</b></li></ul> |   |                             |

|     |  |
|-----|--|
|     | specifically designed for house sparrow <i>Passer domesticus</i> and swift <i>Apus apus</i> (the bat boxes are in addition to any mitigation that maybe required should bat roosts be found during the bat survey).  |
|     | <b>AND</b>   |
| 15. | <p>If Yes, please provide below, a brief statement outlining all of your <b>ADDITIONAL</b> recommendations*.</p> <ul style="list-style-type: none"> <li><b>Incorporate an area of living roof into the scheme to provide habitats for invertebrates and birds. The establishment of native plants in this area could provide a new area of a Local Biodiversity Action Plan habitat and contribute to local biodiversity targets.</b></li> <li><b>Incorporate a water feature into the scheme to provide a source of freshwater for birds to drink and bathe.</b></li> <li><b>Incorporate a green wall within the site comprising native species of climbing plants such as ivy <i>Hedera helix</i> and honeysuckle <i>Lonicera</i> sp.</b></li> <li><b>Incorporate an area of at least 2m x 2m of native, berry-producing shrubs within the landscaped areas, such as holly <i>Ilex aquifolium</i>, spindleberry <i>Euonymus europaeus</i> and guelder rose <i>Viburnum opulus</i>.</b></li> <li><b>Adopt good horticultural practice on the site using organic pesticides only.</b></li> </ul> |
| 16. | <p>* The client / developer will be required to adopt / implement <b>all KEY</b> recommendations and <b>30% of ADDITIONAL</b> recommendations.<br/> <b>All key recommendations will be adopted.</b></p> <p><b>100m2 of living roof will be created supporting native acid grassland plants (quaking grass (<i>Briza media</i>), crested dog's-tail (<i>Cynosurus cristatus</i>), sheep's fescue (<i>Festuca ovina</i>), red fescue (<i>Festuca rubra</i>), smaller cat's-tail (<i>Phleum bertolonii</i>) golden oat-grass (<i>Trisetum flavescens</i>), yarrow (<i>Achillea millefolium</i>), lesser knapweed (<i>Centurea nigra</i>), birdsfoot trefoil (<i>Lotus corniculatus</i>), and selfheal (<i>Prunella vulgaris</i>)) to create a Local Biodiversity Action Plan habitat.</b></p> <p><b>The planting will be managed using organic methods only. Therefore two of the additional criteria will be met.</b></p>  |

#### Part 6: ECO 3 - Protection of Ecological Features

|     |   |  |
|-----|---|--|
| 17. | <p>ECO 3 addresses the protection of all existing features / areas of ecological value on the site and boundary area. If a feature of ecological value is to be removed as part of the development works, e.g. site clearance, then this credit cannot be achieved.</p> <p>If you have deemed the whole development site to be of poor ecological value then there will be no features of ecological value to protect. If the construction zone is of low ecological value but the wider site is not, give protection measures here.</p> <p>If there is an area(s) or feature(s) of low or insignificant ecological value you wish to advise be retained and enhanced / improved, e.g. a species-poor hedgerow to a species-rich hedgerow, then full details of this advice should be entered as a recommendation under Eco 2 Ecological Enhancement.</p> |  |
| 18. | <p>Are there any existing features/ areas of ecological value on the site or at the boundary of the site?</p> <p>If Yes, please provide below a brief statement outlining the advice/ recommendations given for protecting all existing features and areas of ecological value:<br/> <b>Further bat surveys should be undertaken to confirm whether bats roost in the buildings on the site. If they do not then this credit can be awarded.</b></p>  | <p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> |

|     |   |   |
|-----|---|---|
| 19. | Are any ecological features to be relocated on the site?  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
|     | If Yes, please provide below a brief statement outlining the reasons for relocation and recommendations for protecting the ecological features: |   |

### Part 7: ECO 4 - Change in Ecological Vale of Site

| 20.                        | Are you able to provide the following information for before and after construction: habitat types and an estimate of the number of floral species present per habitat type (based on appropriate censusing techniques and confirmed planting regimes)?   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |               |  |                                    |                  |   |   |              |     |    |                            |      |   |  |  |  |  |  |  |
|----------------------------|---|---|---------------|--|------------------------------------|------------------|---|---|--------------|-----|----|----------------------------|------|---|--|--|--|--|--|--|
|                            | If Yes, please provide the following information:   |   |               |  |                                    |                  |   |   |              |     |    |                            |      |   |  |  |  |  |  |  |
| 21.                        | A brief description below of the landscape and habitats surrounding the development site: <b>The site comprised five buildings around a courtyard. The site is in an urban location of high density housing in London.</b>  |   |               |  |                                    |                  |   |   |              |     |    |                            |      |   |  |  |  |  |  |  |
| 22.                        | Provide details of the site <b>before</b> development in the table below:   |   |               |  |                                    |                  |   |   |              |     |    |                            |      |   |  |  |  |  |  |  |
|                            | <table border="1"> <thead> <tr> <th>Habitat Type*</th> <th>Area of Habitat Type (m<sup>2</sup>)</th> <th>Number of Species per Habitat Type</th> </tr> </thead> <tbody> <tr> <td>Introduced shrub</td> <td>1</td> <td>1</td> </tr> <tr> <td>Tall ruderal</td> <td>4</td> <td>2</td> </tr> <tr> <td>Buildings and hardstanding</td> <td>2025</td> <td>0</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table> |   | Habitat Type* | Area of Habitat Type (m <sup>2</sup> ) | Number of Species per Habitat Type | Introduced shrub | 1 | 1 | Tall ruderal | 4   | 2  | Buildings and hardstanding | 2025 | 0 |  |  |  |  |  |  |
| Habitat Type*              | Area of Habitat Type (m <sup>2</sup> )  | Number of Species per Habitat Type                                  |               |  |                                    |                  |   |   |              |     |    |                            |      |   |  |  |  |  |  |  |
| Introduced shrub           | 1   | 1   |               |  |                                    |                  |   |   |              |     |    |                            |      |   |  |  |  |  |  |  |
| Tall ruderal               | 4   | 2   |               |  |                                    |                  |   |   |              |     |    |                            |      |   |  |  |  |  |  |  |
| Buildings and hardstanding | 2025  | 0   |               |  |                                    |                  |   |   |              |     |    |                            |      |   |  |  |  |  |  |  |
|                            |   |   |               |  |                                    |                  |   |   |              |     |    |                            |      |   |  |  |  |  |  |  |
|                            |   |   |               |  |                                    |                  |   |   |              |     |    |                            |      |   |  |  |  |  |  |  |
| 23.                        | Provide details of the site <b>after</b> development in the table below:  |   |               |  |                                    |                  |   |   |              |     |    |                            |      |   |  |  |  |  |  |  |
|                            | <table border="1"> <thead> <tr> <th>Habitat Type*</th> <th>Area of Habitat Type (m<sup>2</sup>)</th> <th>Number of Species per Habitat Type</th> </tr> </thead> <tbody> <tr> <td>Trees</td> <td>2</td> <td>1</td> </tr> <tr> <td>Living roof</td> <td>100</td> <td>10</td> </tr> <tr> <td>Buildings and hardstanding</td> <td>1928</td> <td>0</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>          |   | Habitat Type* | Area of Habitat Type (m <sup>2</sup> ) | Number of Species per Habitat Type | Trees            | 2 | 1 | Living roof  | 100 | 10 | Buildings and hardstanding | 1928 | 0 |  |  |  |  |  |  |
| Habitat Type*              | Area of Habitat Type (m <sup>2</sup> )  | Number of Species per Habitat Type                                  |               |  |                                    |                  |   |   |              |     |    |                            |      |   |  |  |  |  |  |  |
| Trees                      | 2   | 1   |               |  |                                    |                  |   |   |              |     |    |                            |      |   |  |  |  |  |  |  |
| Living roof                | 100   | 10  |               |  |                                    |                  |   |   |              |     |    |                            |      |   |  |  |  |  |  |  |
| Buildings and hardstanding | 1928  | 0   |               |  |                                    |                  |   |   |              |     |    |                            |      |   |  |  |  |  |  |  |
|                            |   |   |               |  |                                    |                  |   |   |              |     |    |                            |      |   |  |  |  |  |  |  |
|                            |   |   |               |  |                                    |                  |   |   |              |     |    |                            |      |   |  |  |  |  |  |  |
| 24.                        | <p>* Habitat types will include natural areas, e.g. various grasslands and woodlands; as well as areas of the built environment, e.g. buildings, hard landscaping. The area of each habitat type when added together must always equal the total area of the development site.</p> <p>The total site area must be the same both before and after development.</p>   |   |               |  |                                    |                  |   |   |              |     |    |                            |      |   |  |  |  |  |  |  |
| 25.                        | Has your client / developer requested that you carry out the calculation for Eco 4 Change in Ecological Value of Site? The calculation must be carried out in line with the methodology provided in the most current version of the Code.   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |               |  |                                    |                  |   |   |              |     |    |                            |      |   |  |  |  |  |  |  |
|                            | If Yes, please complete the following 3 tables:   |   |               |  |                                    |                  |   |   |              |     |    |                            |      |   |  |  |  |  |  |  |

### Species Before Development

|     |           |                                     |   |              |   |                        |
|-----|-----------|-------------------------------------|---|--------------|---|------------------------|
| 26. |           |                                     |   |              |   |                        |
|     | 1         | 2                                   | 3 | 4            | 5 | 6                      |
|     | Plot Type | Area of Plot Type (m <sup>2</sup> ) |   | Species No.* |   | Species x Area (2 x 4) |

|  |      |   |             |   |       |
|--|------|---|-------------|---|-------|
| Introduced shrub                           | 1    | X | 1           | = | 1     |
| Tall ruderal                               | 4    | X | 2           | = | 8     |
| Buildings and hardstanding                 | 2025 | X | 0           | = | 0     |
|  |      | X |             | = |       |
|  |      | X |             | = |       |
|  |      | X |             | = |       |
| (A) Total Site Area =                      | 2030 |   | (B) Total = |   | 9     |
| (C) Species Before Development (B) / (A) = |      |   |             |   | 0.004 |

### Species After Development

|   |                            |                                     |   |              |   |                        |
|---|----------------------------|-------------------------------------|---|--------------|---|------------------------|
| 27.                                       | 1                          | 2                                   | 3 | 4            | 5 | 6                      |
|   | Plot Type                  | Area of Plot Type (m <sup>2</sup> ) |   | Species No.* |   | Species x Area (2 x 4) |
|   | Trees                      | 2                                   | X | 1            | = | 2                      |
|   | Living roof                | 100                                 | X | 10           | = | 1000                   |
|   | Buildings and hardstanding | 1928                                | X | 0            | = | 0                      |
|   |                            |                                     | X |              | = |                        |
|   |                            |                                     | X |              | = |                        |
|   | (A) Total Site Area =      | 2030                                |   | (B) Total =  |   | 1002                   |
| (C) Species After Development (B) / (A) = |                            |                                     |   |              |   | 0.493                  |

### Species Change

|     |                                      |   |                                       |   |                      |
|-----|--------------------------------------|---|---------------------------------------|---|----------------------|
| 28. | 1                                    | 2 | 3                                     | 4 | 5                    |
|     | (C) Species <b>After</b> Development |   | (C) Species <b>Before</b> Development |   | Species Change (1-3) |
|     | 0.493                                | - | 0.004                                 | = | 0.489                |

## Section D - To be completed by the Ecologist

### Part 8: Appendix

29.


The required documentation to be included within the appendix of this guidance document will include: the ecology report; written confirmation from the verifier of the ecology report (where necessary); and any supplementary documentation, e.g. ecologist's curriculum vitae; maps, plans, drawings, letters / emails of correspondence, etc.

Please include these details along with the appropriate reference to each document in the following table:

| Document                 | Reference   |
|--------------------------|---|
| Baseline ecology report  | 44-44A Gloucester Avenue, Camden, London<br>Preliminary Ecological Appraisal Report<br>SLR Ref: 418-02629-00002 |
| SQE CV                   | Dr Rachel Holmes Curriculum Vitae   |
| Plan of living roof area | Drawing 173_GA_Roof Rev A   |

## Section E - To be completed by the Ecologist

### Part 9: Confirmation

|     |  |  |
|-----|--|--|
| 30. | I confirm that the information provided in this document is truthful and accurate at the time of completion. |  |
|     | <b>Name of Ecologist:</b>  | Rachel Holmes  |
|     | <b>Signature of Ecologist:</b>   |  |
|     | <b>Date:</b>   | 06/02/2016   |