# Reptilewatch JE – Level 2 survey form 20

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| Volunteer Working Agreement form submitted? |  |  | Survey training attended? |  |

### Contact details

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| --- | --- | --- | --- | --- |
| Name |  | Email |  | |
| Tel |  | Can we contact you if necessary? | | **Yes** / **No** |

**Guidance note Please use this form in the field to collect your data.**

Please register your survey site on the JBC website [**https://jerseybiodiversitycentre.org.je/activities**](https://jerseybiodiversitycentre.org.je/activities)as a ReptilewatchJE –Level 2 activity. Once your site has been registered, you can then add details of all survey visits directly into the JBC website using the information recorded in the field on the forms below and on any site maps you find helpful.

### Site details

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| --- | --- | --- | --- |
| Site name |  | Site grid reference |  |
| Site location*(address or description)* |  | | |
|  | | Post code |

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| Have you completed a Landowner Survey Consent Form? | **Y** / **N** | *(delete as appropriate)* |

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| **Site assessment** | | |  | **Patch size**  Estimated patch size of reptile habitat at your survey site  (*tick* ***one*** *only*) | <1 ha |  |
| Habitat connectivityWhich of the following best describes reptile habitat at your survey site? (*tick one only*) | Completely isolated from other areas |  |  | 1‒5 ha |  |
| Isolated by sub-optimal habitat |  |  | 6‒10 ha |  |
| Linked by corridors of good habitat |  |  | 11‒50 ha |  |
| Part of a larger area of good habitat |  |  | >50 ha |  |

**Survey route table** (refer to *survey handbook*)

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| Was permission refused for any areas? | **Yes** / **No** | How many artificial refugia did you lay out? |  |

**Describe the sections of your survey route.** (*See handbook*)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Section number** | **Section Details** | **No. refugia** | **Section Habitat Type** | **Habitat code** | **Approx. Length** (m) e.g. *recorded via google maps* |
| *Example* | *Track from interpretation panel walking past scrub and bramble to the sluice gate* | *1-3* | *Dense scrub* | *h3* | *150* |
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| How to survey your site  * Before carrying out surveys, visit the site during the day to assess the habitat and any risks. * Plan a walking survey route that encompasses suitable areas of the site and lay out 10‒20 artificial refugia (sheets of roofing material) along it. Try to spread them evenly and away from public disturbance. If you can, record the refugia locations with a GPS and note them down. You may also wish to mark them on a printed map and number them for reference. * Divide your route in to sections based on changes in habitat type (see Reptilewatch habitat classification at the end of the form). Fill in the survey route section table (*see handbook*). * Visit your site **six times**\*if possible **between March and October** in suitable weather, aiming for three visits between April and June and two between mid-August and mid-October. *(\*You can make more than six visits)* * Record the survey conditions. * Spend **1‒2 hours**\* surveying, walking at a steady pace along your survey route, visually searching and checking the refugia for reptiles. Keep note of which refugia you have checked and do not re-visit areas in the same survey. *(\*If your site is very small then less time may be appropriate)* * Record what you see, noting down if the animal was found under or on top of a refugium, or not. * Record which route section each individual was seen in and if you can, note the precise location with coordinates or by using a refugia ID if applicable. * **Take photos**, especially if you are not sure of what you have seen. * Fill in the form below and **record your results** online (<http://jerseybiodiversitycentre.org.je/>), or send your form to: Reptilewatch, Natural Environment, Growth Housing and Environment, Howard Davis Farm, Trinity, JE3 5JP. |

**Refugia list** (Use this table to keep track of your refugia and whether they have been checked on each survey)

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| **Refugium ID** | **Material** | **Section number** | **Visit number** (tick if refugium checked on visit) | | | | | | **Notes** |
| **1** | **2** | **3** | **4** | **5** | **6** |
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**Survey conditions**

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| **Visit no.:** | | | | | **Average wind speed**  (0‒6,*circle* ***one*** *option*). | | **Code** | **Specifications on land** | | | | | | | |  | **Rain**  (0‒3,*circle* ***one*** *option*).  **0 = none 1 = yesterday**  **2 = earlier today**  **3 = during survey** | | |  | |
| **Date:** | | | | | **0 1 2 3 4 5 6** | Smoke rises vertically Slight smoke drift Wind felt on face and leaves rustle Leaves & twigs in constant motion Raises dust and small branches move Small trees in leaf begin to sway Large branches move & trees sway | | | | | | | |
| **Start time** *(24h)***:** | | | | |
| **End time** *(24h)***:** | | | | |
| **Time spent surveying** (mins)**:** | | | | |
| **Air temperature** *(oC)***:** | | | | |
| **Cloud cover** *(%)***:** | | | | |
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| **Survey effort** | No. artificial refugia checked | | | | | | |  | | | No. pre-existing refugia checked | | | | | | | |  | |
| **Supplementary species** *(which other species are you surveying for?)* | | | | | | | | | | | | | |  | | | | | | |
| **Small mammals** | | Yes / No | | **Cockroaches** | | Yes / No | | | **Beetles** | | | | Yes / No | | **Butterflies & moths** | | | Yes / No | | |

**What did you see?** (continue on another page if needed)

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| **Air temperature** *(oC)***:** | | | | |
| **Cloud cover** *(%)***:** | | | | |
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| **Survey effort** | No. artificial refugia checked | | | | | | |  | | | No. pre-existing refugia checked | | | | | | | |  | | |
| **Supplementary species** *(which other species are you surveying for?)* | | | | | | | | | | | | | |  | | | | | | | |
| **Small mammals** | | Yes / No | | **Cockroaches** | | Yes / No | | | **Beetles** | | | | Yes / No | | **Butterflies & moths** | | | Yes / No | | | |

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**Survey conditions**

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**Survey conditions**

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| **Time spent surveying** (mins)**:** | | | | |
| **Air temperature** *(oC)***:** | | | | |
| **Cloud cover** *(%)***:** | | | | |
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| **Survey effort** | No. artificial refugia checked | | | | | | |  | | | No. pre-existing refugia checked | | | | | | | |  | | | |
| **Supplementary species** *(which other species are you surveying for?)* | | | | | | | | | | | | | |  | | | | | | | | |
| **Small mammals** | | Yes / No | | **Cockroaches** | | Yes / No | | | **Beetles** | | | | Yes / No | | **Butterflies & moths** | | | Yes / No | | | | |

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**Survey conditions**

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| **Air temperature** *(oC)***:** | | | | |
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| **Survey effort** | No. artificial refugia checked | | | | | | |  | | | No. pre-existing refugia checked | | | | | | | |  | | |
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**Survey conditions**

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| **Time** (24h) | **Species** | **Lifestage** | **Sex** | **Qty.** | **Certainty**  **C**=certain **U**=uncertain | **Position**  **O**=in open **U**=under ref.  **T**=on ref. | **Location** | |
| **Route section no.** | **Refugium ID** if applicable |
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**Reptilewatch JE uses 17 habitat classes to define terrestrial and freshwater habitats (Table 1), as described in Level 3 of the UK Habitat Classification Scheme (UK Habitat Classification Working Group, 2018)**

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| **Lev. 1** | **Level 2** | **Level 3** | **Descriptions** |
| Terrestrial | Grassland | **g1**: Acid grassland | *Dominated by grasses and herbs on lime- deficient soils. Range of types from sandy soils in lowlands, to closed pasture on red brown soil, to damp grassland and peat. Includes bracken* |
| **g3**: Neutral grassland | *Grasses, herbs on neutral soils, (e.g. dry hay meadows, pastures and a range of grasslands which are periodically inundated with water or permanently moist).* |
| **g4**: Modified grassland | *Typically managed as pasture or regularly mown for agriculture or recreation. This is an agricultural improved or semi improved grassland. Often dominated by rye-grass and white clover.* |
| Woodland and forest | **w1**: Broadleaved mixed and yew woodland | *Ancient or recent woodland dominated by trees (more than 5 m high) >25% canopy cover. Can include native and non-native broadleaved species* |
| **w2**: Coniferous woodland | *Ancient or recent woodland dominated by trees (more than 5 m high) >20% canopy cover. Can include native and non-native coniferous species* |
| Heathland and shrub | **h1**: Dwarf shrub heath | *>25% cover of heath family or dwarf gorse (e.g. heather, gorse)* |
| **h2**: Hedgerows | *Hedgerows* |
| **h3**: Dense scrub | *Patches of scrub <5m tall covering at least 90% of area. (e.g. coastal scrub, scrub, bramble, blackthorn, hawthorn)* |
| Wetland | **f1**: Bog | *Boggy or wetland areas (peat bogs).* |
| **f2**: Fen marsh and swamp | *Waterlogged lowland habitat. Fed by groundwater or slow moving rain water. Small sedge, herbs, grasses, rushes and fen-sedge.* |
| Cropland | **c1**: Arable and horticulture | *Arable cropland including orchards, nurseries, commercial vegetable plots, freshly ploughed land, rotational set-aside and fallow* |
| Urban | **u1**: Built-up areas and gardens | *Farm buildings, caravan parks, industrial estates, retail parks, derelict ground, allotments, most gardens, roadside verges* |
| Sparsely vegetated land | **s1**: Inland rock | *Natural and artificial exposed rock surfaces, inland cliffs, caves, screes and limestone pavements, quarries and quarry waste tips.* |
| **s2**: Supralittoral Rock | *Region of rocky shore including cliffs immediately above the highest water level.* |
| **s3**: Supralittoral Sediment | *Region of shore immediately above the highest water level. Includes single, sand dunes and beaches* |
| Freshwater | Rivers and lakes | **r1**: Standing open water and canals | *Lakes, reservoirs, canals, ponds and gravel pits* |
| **r2**: Rivers and streams | *River and streams from bank top to bank top* |

Table 1: Habitat classifications for Reptilewatch JE, adapted from the UK Habitat Classification (UK Habitat Classification Working Group, 2018). Level 3 classifications should be used for Level 2 and 3 reptile surveys.