**Pondwatch 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 |  | Phone |  |
| Email |  |

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

Once you have completed the first visit and recorded the details of the pond, please register the pond on the JBC website [**https://jerseybiodiversitycentre.org.je/activities**](https://jerseybiodiversitycentre.org.je/activities)as a PondwatchJE –Level 2 activity. Please remember, you will need to update the pond information later in the season (April –May) when the **aquatic vegetation and surrounding habitat assessments** are performed.

Once a pond has been registered, you can then add details of all visits to that pond directly into the JBC website using the information recorded on the forms below.

### Pond details

|  |  |  |  |
| --- | --- | --- | --- |
| Pond name  |  | Pond grid reference |  |
| Pond location*(address or description)* |  |
|  | Post code |
|  |  |  |  |  |
| Have you completed a Landowner Survey Consent Form? |  | **Yes** |  | **No** | *(tick as appropriate)* |
|  |  |  |  |  |  |
| **Type of pond** (**tick** one) |  |  | **Pond construction** (**tick** one) |
| **🞏** Formal garden pond | **🞏** Farm pond | **🞏** Natural pond |  | **🞏** Liner | **🞏** Concrete |
| **🞏** Wild garden pond | **🞏** School pond | **🞏** Reservoir |  | **🞏** Preformed plastic | **🞏** Clay |
| **🞏** Fish pond | **🞏** Golf course pond |  |  | **🞏** Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

**Pond habitat suitability assessment (HSI)** (for further guidance refer to your Pondwatch JE level 2 survey handbook)

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| **Pond area** (m2) when water is at its highest level.*Look for where wetland vegetation (e.g. rushes) stops.* |  |
| **Number of years in ten pond dries up**. **Never** dries; **Rarely** dries: no more than two years in any ten-year period, or only in drought; **Sometimes** dries: dries between three years in ten to most years; **Dries annually**. Estimate or ask landowner. (*Choose* ***one*** *option*) |  |
| **Water quality**. **Bad** = clearly polluted, only pollution-tolerant invertebrates, no submerged plants; **Poor** = low invertebrate diversity, few submerged plants; **Moderate** = moderate invertebrate diversity; **Good** = abundant and diverse invertebrate community. (*Choose* ***one*** *option*) |  |
| **% perimeter shaded**. Percentageperimeter shaded (to at least 1 m from shore). Estimate. |  |
| **Waterfowl impact**. **Major** = severe impact of waterfowl i.e. little or no evidence of submerged plants, water turbid, pond banks showing patches where vegetation removed, evidence of provisioning waterfowl; **Minor** = waterfowl present, but little indication of impact on pond vegetation, pond still supports submerged plants and banks are not denuded of vegetation; **None** = no evidence of waterfowl impact (moorhens may be present). (*Choose* ***one*** *option*) |  |
| **Fish presence**. **Major** = dense populations of fish known to be present; **Minor** = small numbers of crucian carp, goldfish or stickleback known to be present; **Possible** = no evidence of fish, but local conditions suggest that they may be present; **Absent** = no records of fish stocking and no fish revealed during survey(s). (*Choose* ***one*** *option*) |  |
| **Number of ponds**. Number of pondswithin 1 km not separated by barriers to dispersal. Check with Natural Environment or use a map (e.g. Google Maps satellite) to estimate. (***Optional***) |  |
| **Terrestrial habitat**. **None** = clearly no suitable habitat within immediate pond locale; **Poor** = habitat with poor structure that offers limited opportunities for foraging and shelter (e.g. amenity grassland); **Moderate** = offers opportunities for foraging and shelter, but may not be extensive; **Good** = extensive habitat that offers good opportunities for foraging and shelter completely surrounds pond e.g. rough grassland, scrub or woodland. (*Choose* ***one*** *option*) |  |
| **Aquatic vegetation**. Percentage of pond surface occupied by aquatic vegetation **(March‒May).** Estimate. |  |

**Surrounding habitat assessment**

**This part of the survey** should be completed on one of your **April or May** visits.

**Tick** up to **three** of the **most dominant** habitat types falling within 0‒5 m and 0‒100 m of the pond edge (assume the pond edge to mean where the water level is when it is at its highest).

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| 0‒5m | 0‒100m | **Habitat** and *definition* |
|  |  | **Acid grassland**; *Vegetation dominated by grasses and herbs on a range of lime -deficient soils such as sands and gravels.* |
|  |  | **Neutral grassland**; *Vegetation dominated by grasses and herbs on neutral soils (e.g. dry hay meadows, pastures and a range of grasslands which are periodically inundated with water or permanently moist).* |
|  |  | **Modified grassland**; *Fast-growing grasses on fertile, neutral soils. Often dominated by rye-grass and white clover. Typically managed as pasture or regularly mown for agriculture or recreation.* |
|  |  | **Broadleaved mixed and yew woodland**; *Broadleaved and yew trees > 5 m high when mature with distinct canopy, where these trees exceed 20% of tree cover.* |
|  |  | **Coniferous woodland**; *Coniferous trees (except yew) > 5 m high when mature with distinct canopy, where these trees exceed 80% of tree cover.* |
|  |  | **Dwarf shrub heath**; *> 25% of plant species are from heath family.* |
|  |  | **Hedgerows**; *Boundary line of shrubs that at one time were continuous.* |
|  |  | **Dense scrub**; *Patches of shrubs < 5 m high with continuous (> 90%) cover.* |
|  |  | **Bog**; *Rain fed inundated / waterlogged habitats where peat has formed in the past.* |
|  |  | **Fen marsh and swamp**; *Inundated / waterlogged habitats where water is supplied by ground water or slow-moving rainwater flows through and peat does not form.* |
|  |  | **Arable and horticulture**; *Arable cropland (incl. orchards), commercial horticultural land, freshly-ploughed land, annual leys, rotational set-aside and fallow.* |
|  |  | **Built-up areas and gardens**; *Urban and rural settlements, man-made built structures, waste and derelict ground, urban parkland and urban transport infrastructure (e.g. roads).* |
|  |  | **Inland rock**; *Natural and artificial exposed rock surfaces (e.g. inland cliffs, caves, screes, quarries).* |
|  |  | **Supralittoral rock**; *Region of rocky shore including cliffs and slopes immediately above the highest water level in the ‘splash zone’.* |
|  |  | **Supralittoral sediment**; *Region of shore immediately above the highest water level in the ‘splash zone’.* |
|  |  | **Standing open water and canals**; *Natural systems (e.g. lakes and pools), as well as man-made waters (e.g. reservoirs, canals, ponds, gravel pits).* |
|  |  | **Rivers and streams**; *Rivers and streams from bank top to bank top, or extent of mean annual flood.* |



Please provide photos of the pond and its general environment.

Photos can be uploaded to the JBC website when registering your pond. Photos from specific visits can also be added when you submit your results.

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| How to survey the pond* Before carrying out any surveys, make a visit to your pond during the day to assess the habitat and any risks. Fill out the habitat assessment sections.
* Visit your pond **five times**\* **between January and May**. *(\*You can make more than five visits)*
* Record the survey conditions.
* Spend **30‒60 minutes**\* surveying using visual, netting or torching methods**,** noting any amphibians that you see.

*(\*If your pond is very small then less time may be appropriate)* * **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/>activities), or send it to: Pondwatch, Natural Environment, Growth Housing and Environment, Howard Davis Farm, Trinity, JE3 5JP.
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**Survey conditions**

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| --- | --- | --- |
| **Visit no.:** | **Date:** | **Water clarity**; (*Circle* ***one*** *option*).Good / Intermediate / Turbid |
| **🕖 Start time** *(24h)***:** | **🕖 End time** *(24h)***:** |
| **Air temperature** (℃): |  | **Rain**;(*Circle* ***one*** *option*).None / Yesterday / Earliertoday / During survey |
| **Bright moonlight:** |  | **Yes** |  | **No** |
| **Wind disturbing water:** |  | **Yes** |  | **No** | **% shoreline surveyed:** |  |
| **Water temperature** (℃): |  |  |  |  |  |  |
| **Supplementary species** *(which other species are you surveying for?)* |  |
| **Invasive Non-Native (INN) plants** |  | **Dragonflies and damselflies** |  |

 *(Please tick those that apply)*

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| **What method(s) did you use?** | **Visual** |  |  | **Net** |  | **% shoreline netted:** |  | **Torch** |  |

**What did you see?** \*For tadpoles and spawn, write down a range (e.g. <10, 10‒20 etc.). Continue on separate page.

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| **Species** | **Lifestage** | **Sex** | **Quantity\*** | **Certainty**(C=certain, U=uncertain) |
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**Invasive non-native plants** *(tick as appropriate)*

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| Water fern (*Azolla filiculoides*) |  | Parrot’s feather (*Myriophyllum aquaticum*) |  |
| New Zealand pigmyweed (*Crassula helmsii*) |  | Canadian pondweed (*Elodea canadensis*) |  |

### Text  Description automatically generated with medium confidenceSupplementary information

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| When did you first see spawn in this pond this year?  |  |

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| Do migrating toads get run over on nearby roads? |  | *(tick as appropriate)* |

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| Have you seen a grass snake in the pond? |  |  |

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| Have you carried out water quality tests at this pond? |  |  |

**Survey conditions**

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| **Date:** | **Visit no.:** | Start time *(24h)*: |  | End: |  | **Air temp** (℃): |
| **Bright moonlight:** | Yes / No | **Water clarity:** good / intermediate / turbid | **Water temp**(℃): |
| **Wind disturbing water:** | Yes / No | **Rain:** none / yesterday / earliertoday / during survey | **Shoreline surveyed: %** |
| **Supplementary species**  | **Invasive Non-Native (INN) plants** |  | **Dragonflies and damselflies** |  |

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| **What method(s) did you use?** | **Visual** |  |  | **Net** |  | **% shoreline netted:** |  | **Torch** |  |

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| **What did you see? Species** | **Lifestage** | **Sex** | **Quantity\*** | **Certainty**(C=certain, U=uncertain) |
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| **Invasive non-native plants** | Water fern |  | Parrot’s feather  |  |
| *(tick as appropriate)* | New Zealand pigmyweed |  | Canadian pondweed  |  |

**Survey conditions**

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| --- | --- | --- | --- | --- | --- | --- |
| **Visit no.:** | **Date:** | Start time *(24h)*: |  | End: |  | **Air temp** (℃): |
| **Bright moonlight:** | Yes / No | **Water clarity:** good / intermediate / turbid | **Water temp**(℃): |
| **Wind disturbing water:** | Yes / No | **Rain:** none / yesterday / earliertoday / during survey | **Shoreline surveyed: %** |
| **Supplementary species**  | **Invasive Non-Native (INN) plants** |  | **Dragonflies and damselflies** |  |

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| **What method(s) did you use?** | **Visual** |  |  | **Net** |  | **% shoreline netted:** |  | **Torch** |  |

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| **What did you see? Species** | **Lifestage** | **Sex** | **Quantity\*** | **Certainty**(C=certain, U=uncertain) |
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| **Invasive non-native plants** | Water fern |  | Parrot’s feather  |  |
| *(tick as appropriate)* | New Zealand pigmyweed |  | Canadian pondweed  |  |

**Survey conditions**

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| --- | --- | --- | --- | --- | --- | --- |
| **Date:** | **Visit no.:** | Start time *(24h)*: |  | End: |  | **Air temp** (℃): |
| **Bright moonlight:** | Yes / No | **Water clarity:** good / intermediate / turbid | **Water temp**(℃): |
| **Wind disturbing water:** | Yes / No | **Rain:** none / yesterday / earliertoday / during survey | **Shoreline surveyed: %** |
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| **What method(s) did you use?** | **Visual** |  |  | **Net** |  | **% shoreline netted:** |  | **Torch** |  |

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| **What did you see? Species** | **Lifestage** | **Sex** | **Quantity\*** | **Certainty**(C=certain, U=uncertain) |
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| **Invasive non-native plants** | Water fern |  | Parrot’s feather  |  |
| *(tick as appropriate)* | New Zealand pigmyweed |  | Canadian pondweed  |  |

**Survey conditions**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Visit no.:** | **Date:** | Start time *(24h)*: |  | End: |  | **Air temp** (℃): |
| **Bright moonlight:** | Yes / No | **Water clarity:** good / intermediate / turbid | **Water temp**(℃): |
| **Wind disturbing water:** | Yes / No | **Rain:** none / yesterday / earliertoday / during survey | **Shoreline surveyed: %** |
| **Supplementary species**  | **Invasive Non-Native (INN) plants** |  | **Dragonflies and damselflies** |  |

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| **What method(s) did you use?** | **Visual** |  |  | **Net** |  | **% shoreline netted:** |  | **Torch** |  |

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| **What did you see? Species** | **Lifestage** | **Sex** | **Quantity\*** | **Certainty**(C=certain, U=uncertain) |
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| **Invasive non-native plants** | Water fern |  | Parrot’s feather  |  |
| *(tick as appropriate)* | New Zealand pigmyweed |  | Canadian pondweed  |  |

**Please remember to complete the pond information after performing the aquatic vegetation and surrounding habitat assessments in (April-May). Thank you.**