Before you start: Describe the pond

1. Date of survey ____________________________
2. Time of survey ____________________________

3. Who are you doing the Water Survey with today?
   - Primary school
   - Secondary school
   - Friends or family
   - College / university
   - Youth group
   - Adult volunteer group
   - Other

4. Have you been pond dipping before you did the OPAL survey? [ ] yes [ ] no

5. How would you describe the weather today?
   - ☀️
   - ☁️
   - 🌩
   - 🍃

6. What is the name of the pond? ____________________________

7. Record the location of your site (postcode / OS grid reference / GPS reading).
   Further help is available on the OPAL website if you are unsure of the exact location.

8. Which of these describes the area immediately around the lake or pond? Tick any which apply.
   - Urban
   - Garden
   - Park
   - School
   - Farmland
   - Grassland
   - Wood or forest
   - Heath or moorland

9. What does the edge of the pond mainly look like? Tick one box only.
   - Concrete / paving stone
   - Long grass
   - Mown grass
   - Trees
   - Bare ground

10. Can you see any of the following signs of pollution? Tick any which apply.
    - Industrial chimneys
    - Rubbish
    - Discharge pipes
    - Foam on water surface
    - Road within 20m
    - Algal bloom

Activity 1: How clear is the the water?

11. How many OPAL logos could you see when you looked into the bottle?
    - 0
    - 1
    - 2
    - 3
    - 4
    - 5
    - 6
    - 7
    - 8
    - 9
    - 10
    If you answered ‘other’ describe the colour:

12. If the water appeared coloured, what colour was it? [ ] brown [ ] green [ ] other

Activity 2: Is the water acid or alkaline?

13. When you used the dip strip, what was the pH of the water?
    - 4.0
    - 4.5
    - 5.0
    - 5.5
    - 6.0
    - 6.5
    - 7.0
    - 7.5
    - 8.0
    - 8.5
    - 9.0
    If you answered ‘other’ describe the colour:
Activity 3: How healthy is the pond?

14. Record the different types of animals you have found. You can use the Freshwater Invertebrate Identification Guide to help. Use your results to calculate the Pond Health Score.

<table>
<thead>
<tr>
<th>Type of pond animal</th>
<th>Quality index</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cased caddisfly larvae</td>
<td>Score 10 if you found cased caddisfly larvae</td>
<td></td>
</tr>
<tr>
<td>Dragonfly larvae</td>
<td>Score 10 if you found dragonfly larvae</td>
<td></td>
</tr>
<tr>
<td>Alderfly larvae</td>
<td>Score 10 if you found alderfly larvae</td>
<td></td>
</tr>
<tr>
<td>Damselfly larvae</td>
<td>Score 10 if you found damselfly larvae</td>
<td></td>
</tr>
<tr>
<td>Caseless caddisfly larvae</td>
<td>Score 10 if you found caseless caddisfly larvae</td>
<td></td>
</tr>
<tr>
<td>Mayfly/stonefly larvae</td>
<td>Score 5 if you found mayfly/stonefly larvae</td>
<td></td>
</tr>
<tr>
<td>Water beetles and/or larvae</td>
<td>Score 5 if you found water beetles</td>
<td></td>
</tr>
<tr>
<td>Water bugs</td>
<td>Score 5 if you found water bugs</td>
<td></td>
</tr>
<tr>
<td>Pond skaters</td>
<td>Score 5 if you found pond skaters</td>
<td></td>
</tr>
<tr>
<td>Water shrimps</td>
<td>Score 5 if you found water shrimps</td>
<td></td>
</tr>
<tr>
<td>Water snails</td>
<td>Score 1 if you found water snails</td>
<td></td>
</tr>
<tr>
<td>Water slaters</td>
<td>Score 1 if you found water slaters</td>
<td></td>
</tr>
<tr>
<td>Worm-like animals</td>
<td>Score 1 if you found worm-like animals</td>
<td></td>
</tr>
</tbody>
</table>

Total Pond Health Score =

Example: Suppose you found some dragonfly larvae, alderfly larvae, adult beetles and water snails.

<table>
<thead>
<tr>
<th>Type of pond animal</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dragonfly larvae</td>
<td>10</td>
</tr>
<tr>
<td>Alderfly larvae</td>
<td>10</td>
</tr>
<tr>
<td>Water beetles</td>
<td>5</td>
</tr>
<tr>
<td>Water snails</td>
<td>1</td>
</tr>
</tbody>
</table>

Total score = 26