WORLD OF THE POND DATA SHEET

Name: ____________________________________________________________________________ Date: __________________________

Air temperature: ___________ Water temperature: ___________ Weather: ________________________________
(Examples: cloudy, clear, rainy, windy, humid, snowy)

Sample Site:

<table>
<thead>
<tr>
<th>Aquatic Macroinvertebrate Species</th>
<th>Pollution sensitivity</th>
<th>Check if observed</th>
<th>Record pollution sensitivity # here</th>
<th>Aquatic Macroinvertebrate Species</th>
<th>Pollution sensitivity</th>
<th>Check if observed</th>
<th>Record pollution sensitivity # here</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stonefly nymph</td>
<td>9</td>
<td></td>
<td></td>
<td>Crawling water beetle</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mayfly nymph</td>
<td>8</td>
<td></td>
<td></td>
<td>Water strider</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Caddisfly larva</td>
<td>7</td>
<td></td>
<td></td>
<td>Giant water bug</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water scorpion</td>
<td>7</td>
<td></td>
<td></td>
<td>Water boatman</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water mite</td>
<td>7</td>
<td></td>
<td></td>
<td>Crayfish</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dragonfly nymph</td>
<td>6</td>
<td></td>
<td></td>
<td>Mosquito larva</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Damselfly nymph</td>
<td>6</td>
<td></td>
<td></td>
<td>Flatworm (planaria)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freshwater snail</td>
<td>5</td>
<td></td>
<td></td>
<td>Water spider</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Backswimmer</td>
<td>5</td>
<td></td>
<td></td>
<td>Aquatic worm</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freshwater clam</td>
<td>5</td>
<td></td>
<td></td>
<td>Leech</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scud (side-swimmer)</td>
<td>5</td>
<td></td>
<td></td>
<td>Other:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water sowbug (isopod)</td>
<td>5</td>
<td></td>
<td></td>
<td>Other:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diving water beetle</td>
<td>5</td>
<td></td>
<td></td>
<td>Other:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Whirligig beetle</td>
<td>5</td>
<td></td>
<td></td>
<td>Other:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Totals</td>
<td></td>
<td></td>
<td></td>
<td>Totals</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GRAND TOTALS</td>
<td></td>
<td></td>
<td>(add totals columns)</td>
<td>Species Total</td>
<td></td>
<td></td>
<td>Pollution Index</td>
</tr>
</tbody>
</table>

(name and date filled in, table with sample site and pollution sensitivity ratings for various aquatic macroinvertebrate species, including stonefly nymph, mayfly nymph, caddisfly larva, water scorpion, water mite, dragonfly nymph, damselfly nymph, freshwater snail, backswimmer, freshwater clam, scud (side-swimmer), water sowbug (isopod), diving water beetle, whirligig beetle, with totals and grand totals calculated)
<table>
<thead>
<tr>
<th>Species Total</th>
<th>How Healthy is Your Site's Environment?</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 4</td>
<td>This site is a very poor environment for aquatic macroinvertebrates</td>
</tr>
<tr>
<td>5 - 9</td>
<td>This site provides an environment that only a few different types of aquatic macroinvertebrates can live in</td>
</tr>
<tr>
<td>10 - 14</td>
<td>This site provides a moderately healthy environment for many aquatic macroinvertebrates</td>
</tr>
<tr>
<td>15 - 24+</td>
<td>This site provides a fairly healthy environment for many aquatic macroinvertebrates to live in</td>
</tr>
</tbody>
</table>

**POLLUTION INDEX**

<table>
<thead>
<tr>
<th>Index</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-20</td>
<td>Poor</td>
</tr>
<tr>
<td>21 - 30</td>
<td>Fair</td>
</tr>
<tr>
<td>31 - 40</td>
<td>Good</td>
</tr>
<tr>
<td>41 - 50</td>
<td>Very Good</td>
</tr>
<tr>
<td>51+</td>
<td>Excellent</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Other Plant &amp; Animal Species Observed</th>
<th>Pond</th>
<th>Marsh</th>
<th>Other Plant &amp; Animal Species Observed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cattail</td>
<td></td>
<td></td>
<td>Great blue heron</td>
</tr>
<tr>
<td>Water lily</td>
<td></td>
<td></td>
<td>Green heron</td>
</tr>
<tr>
<td>Duckweed</td>
<td></td>
<td></td>
<td>Mallard duck</td>
</tr>
<tr>
<td>Algae</td>
<td></td>
<td></td>
<td>Canada goose</td>
</tr>
<tr>
<td>Purple loosestrife</td>
<td></td>
<td></td>
<td>Muskrat</td>
</tr>
<tr>
<td>Common reed (<em>Phragmites</em>)</td>
<td></td>
<td></td>
<td>White-tailed deer</td>
</tr>
<tr>
<td>Water snake</td>
<td></td>
<td></td>
<td>Dragonfly</td>
</tr>
<tr>
<td>Leopard frog</td>
<td></td>
<td></td>
<td>Damselfly</td>
</tr>
<tr>
<td>Bullfrog</td>
<td></td>
<td></td>
<td>Fish</td>
</tr>
<tr>
<td>Green frog</td>
<td></td>
<td></td>
<td>Other:</td>
</tr>
</tbody>
</table>