**Table S5.** Forward selection of variables in the redundancy analyses. Variables are ordered according to decreasing significance. SeTem = sediment temperature, DisFo = distance to the forest, Win = winter, Sum = summer, DisCh = distance to the channels, WaLe = Water level, Dep = depth, Aut = autumn.

<table>
<thead>
<tr>
<th>Variables</th>
<th>Total species</th>
<th></th>
<th>Variables</th>
<th>Red list species</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>SeTem</td>
<td>10.3</td>
<td>0.001*</td>
<td>SeTem</td>
<td>4.5</td>
<td>0.001*</td>
</tr>
<tr>
<td>DisFo</td>
<td>9.5</td>
<td>0.001*</td>
<td>Win</td>
<td>3.5</td>
<td>0.001*</td>
</tr>
<tr>
<td>Win</td>
<td>7.0</td>
<td>0.001*</td>
<td>DisFo</td>
<td>3.3</td>
<td>0.001*</td>
</tr>
<tr>
<td>Rain</td>
<td>6.3</td>
<td>0.001*</td>
<td>Sum</td>
<td>2.3</td>
<td>0.002</td>
</tr>
<tr>
<td>Sum</td>
<td>5.4</td>
<td>0.001*</td>
<td>WaLe</td>
<td>2.2</td>
<td>0.005</td>
</tr>
<tr>
<td>DisCh</td>
<td>4.9</td>
<td>0.001*</td>
<td>Dep</td>
<td>2.1</td>
<td>0.007</td>
</tr>
<tr>
<td>Spring</td>
<td>4.1</td>
<td>0.001*</td>
<td>Spr</td>
<td>2.0</td>
<td>0.009</td>
</tr>
<tr>
<td>WaLe</td>
<td>3.1</td>
<td>0.001*</td>
<td>DisCh</td>
<td>2.0</td>
<td>0.009</td>
</tr>
<tr>
<td>Dep</td>
<td>3.0</td>
<td>0.001*</td>
<td>Rain</td>
<td>1.8</td>
<td>0.015</td>
</tr>
<tr>
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<td>2.0</td>
<td>0.005</td>
<td>Aut</td>
<td>1.7</td>
<td>0.017</td>
</tr>
</tbody>
</table>

Significance: * ≤ 0.001