

Field Protocol for mapping Running Water Macrophytes

(Macrophyte- & Phytobenthos-evaluation according to EC-WFD 2005; gray fields are optional)

<p>Name of water body <input style="width: 90%;" type="text"/></p> <p>Sampling site <input style="width: 90%;" type="text"/></p> <p>Location of sampling site <input style="width: 90%; height: 20px;" type="text"/></p> <p>Nearby town/village <input style="width: 60%;" type="text"/> Editor <input style="width: 60%;" type="text"/></p> <p>Sampling Site No. <input style="width: 60%;" type="text"/> Reprot No. <input style="width: 60%;" type="text"/></p> <p>Easting <input style="width: 60%;" type="text"/> Northing <input style="width: 60%;" type="text"/></p> <p>Topo. Map No. <input style="width: 60%;" type="text"/> Recording date <input style="width: 60%;" type="text"/></p>	<p>Length of section <input style="width: 60%;" type="text"/> m Mean width <input style="width: 60%;" type="text"/> m</p> <p>Mean depth <input type="checkbox"/> I 0-30 cm <input type="checkbox"/> II 30-100 cm <input type="checkbox"/> III >100 cm</p> <p>Water level <input type="checkbox"/> dry <input type="checkbox"/> low <input type="checkbox"/> medium <input type="checkbox"/> high</p> <p>Can sampling be carried out over the entire width of the running water? yes <input type="checkbox"/> no <input type="checkbox"/></p> <p>Turbidity <input type="checkbox"/> no turbidity, clear <input type="checkbox"/> Medium turbidity <input type="checkbox"/> Strong turbidity</p> <p>Bottom visible? <input type="checkbox"/> yes <input type="checkbox"/> no</p> <p>Film-/Photo-No. <input style="width: 90%; height: 20px;" type="text"/></p>
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Velocity of flow according to **BLfW** (1995)

<input type="checkbox"/> I	not visible	almost still, eddy
<input type="checkbox"/> II	barely visible	current very weak, but visible
<input type="checkbox"/> III	slowly running	current visible, water surface smooth
<input type="checkbox"/> IV	rapidly running	current with moderate turbulence
<input type="checkbox"/> V	rapid	turbulently running
<input type="checkbox"/> VI	torrential	very turbulent, loud brawl

Shading according to Wörlein (1992)

<input type="checkbox"/> 1	completely sunny	sunny from sunrise to sunset
<input type="checkbox"/> 2	sunny	in full sun most of the time between sunrise and sunset, but always during the warmest hours of the day
<input type="checkbox"/> 3	partly overcast	mostly in the sun, but in the shade during the warmest hours of the day
<input type="checkbox"/> 4	half shaded	in the shade for more than half of the day and always at noon
<input type="checkbox"/> 5	completely shaded	completely shaded by trees

Plant cover Covering large areas mosaic Water Colouration Odour

<p>Substratum</p> <table border="0" style="width: 100%;"> <tr> <th style="width: 15%;">Percentage</th> <th style="width: 65%;">Substratum</th> <th style="width: 20%;">Cover</th> </tr> <tr> <td><input type="checkbox"/> %</td> <td>Mud</td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> %</td> <td>Clay/loam (<0,063 mm)</td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> %</td> <td>Sand (0,063-2,0 mm)</td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> %</td> <td>Fine/med. gravel (2,0-6,3/6,3-20mm)</td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> %</td> <td>Coarse gravel (20-63 mm)</td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> %</td> <td>Stones (63-200 mm)</td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> %</td> <td>Boulders (> 200 mm)</td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> %</td> <td>organic/peat</td> <td><input type="checkbox"/></td> </tr> </table>	Percentage	Substratum	Cover	<input type="checkbox"/> %	Mud	<input type="checkbox"/>	<input type="checkbox"/> %	Clay/loam (<0,063 mm)	<input type="checkbox"/>	<input type="checkbox"/> %	Sand (0,063-2,0 mm)	<input type="checkbox"/>	<input type="checkbox"/> %	Fine/med. gravel (2,0-6,3/6,3-20mm)	<input type="checkbox"/>	<input type="checkbox"/> %	Coarse gravel (20-63 mm)	<input type="checkbox"/>	<input type="checkbox"/> %	Stones (63-200 mm)	<input type="checkbox"/>	<input type="checkbox"/> %	Boulders (> 200 mm)	<input type="checkbox"/>	<input type="checkbox"/> %	organic/peat	<input type="checkbox"/>	<p>Embankment/Foreign substrata</p> <table border="0" style="width: 100%;"> <tr> <th style="width: 15%;">Distance</th> <th style="width: 65%;">Substratum</th> <th style="width: 20%;">near natural</th> </tr> <tr> <td><input type="checkbox"/> m</td> <td>Enforcement of river bed</td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> m</td> <td>Modific. in transverse dir.</td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> m</td> <td>Embankment</td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> m</td> <td>Outlets</td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> m</td> <td>Pipes</td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> m</td> <td>Waste/(construction)debris</td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> m</td> <td></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> m</td> <td></td> <td><input type="checkbox"/></td> </tr> </table>	Distance	Substratum	near natural	<input type="checkbox"/> m	Enforcement of river bed	<input type="checkbox"/>	<input type="checkbox"/> m	Modific. in transverse dir.	<input type="checkbox"/>	<input type="checkbox"/> m	Embankment	<input type="checkbox"/>	<input type="checkbox"/> m	Outlets	<input type="checkbox"/>	<input type="checkbox"/> m	Pipes	<input type="checkbox"/>	<input type="checkbox"/> m	Waste/(construction)debris	<input type="checkbox"/>	<input type="checkbox"/> m		<input type="checkbox"/>	<input type="checkbox"/> m		<input type="checkbox"/>
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