

Field Protocol Macrophytes and benthic Diatoms in Lakes

Shore and shallow water Areas

(Assessment of macrophytes & phytobenthos according to EG-WFD 2003; grey fields are optional)

Name of water body

Transect-/Section-No. Editor

Sampling site No. Report Nr.

Easting (Shore) Northing (Shore)

Easting (Vegetation limit) Northing

Top. Map No. Date

Position, description of transect

Exposition (direction) Transect width m

Film-/Photo No. Clarity m

Water level low medium high

Diatoms sampled? yes no

If yes: type of substrate sampled

Mapping method (please check)

Mapping by divers (entire littoral of lake)

Mapping by divers (transects)

Transect mapping with rake/grab sampler

(cross out what is not applicable)

Vegetation of the shore (please check)

	Edge (0-5 m)	Surr. Area (5-20 m)
Forest	<input type="checkbox"/>	<input type="checkbox"/>
Shrubs (edge vegetation)	<input type="checkbox"/>	<input type="checkbox"/>
Shrubs/individual shrubs or trees	<input type="checkbox"/>	<input type="checkbox"/>
Reed/sedge communities	<input type="checkbox"/>	<input type="checkbox"/>
Tall herb community	<input type="checkbox"/>	<input type="checkbox"/>
Meadows/pastures (extensive)	<input type="checkbox"/>	<input type="checkbox"/>
Meadows/pastures (intensive)	<input type="checkbox"/>	<input type="checkbox"/>
Farmland/gardens	<input type="checkbox"/>	<input type="checkbox"/>
Lawns/parking areas	<input type="checkbox"/>	<input type="checkbox"/>
Pioneer veg./trampling veg./fallow	<input type="checkbox"/>	<input type="checkbox"/>
Vegetation free	<input type="checkbox"/>	<input type="checkbox"/>

Land use along shore (please check)

	Edge (0-5 m)	Surr. Area (5-20 m)
Industrial areas/shipyard	<input type="checkbox"/>	<input type="checkbox"/>
Haven, pontoons	<input type="checkbox"/>	<input type="checkbox"/>
Meadow used for boat storage	<input type="checkbox"/>	<input type="checkbox"/>
Street/parking/bike-/ped. Trail	<input type="checkbox"/>	<input type="checkbox"/>
High density housing	<input type="checkbox"/>	<input type="checkbox"/>
Low density housing	<input type="checkbox"/>	<input type="checkbox"/>
Park/camping/open air bath	<input type="checkbox"/>	<input type="checkbox"/>
Resting/bathing area, fire place	<input type="checkbox"/>	<input type="checkbox"/>
Agriculture	<input type="checkbox"/>	<input type="checkbox"/>

Type of Shoreline (please check)

Bluff, bank, wall (landward)

Flat shore (landward)

Transect within a bay ja nein

Shore modifications (please check)

Stones/Boulders

Concrete/stone walls

Wood

Steel

Characterist. (x: indiv. Occ. xx: accumul. xxx: frequent)

Driftwood/accumul. of dead wood on land	<input type="checkbox"/>
Garbage, debris, contamination	<input type="checkbox"/>
Inflow (ditch, brook, river)	<input type="checkbox"/>
Alluvial fan	<input type="checkbox"/>
Discharger (drainage, pipes)	<input type="checkbox"/>
Pontoons/bathing area	<input type="checkbox"/>
Bow nets, nets	<input type="checkbox"/>

Shading according to WÖRLEIN (1992)

1 completely sunny Sunny from sunrise to sunset
in full sun most of the time between sunrise and sunset, but always during the warmest hours of the day

2 sunny

3 partly overcast mostly in the sun, but in the shade during the warmest hours of the day

4 half shaded in the shade for more than half of the day and always at noon

5 shaded completely shaded by trees

Other

