

**The relationships between structural and functional diversity within and among
macrophyte communities in lakes**

Rafał CHMARA,* Józef SZMEJA, Krzysztof BANAŚ

Department of Plant Ecology, University of Gdańsk, Wita Stwosza 59, 80-308 Gdańsk, Poland

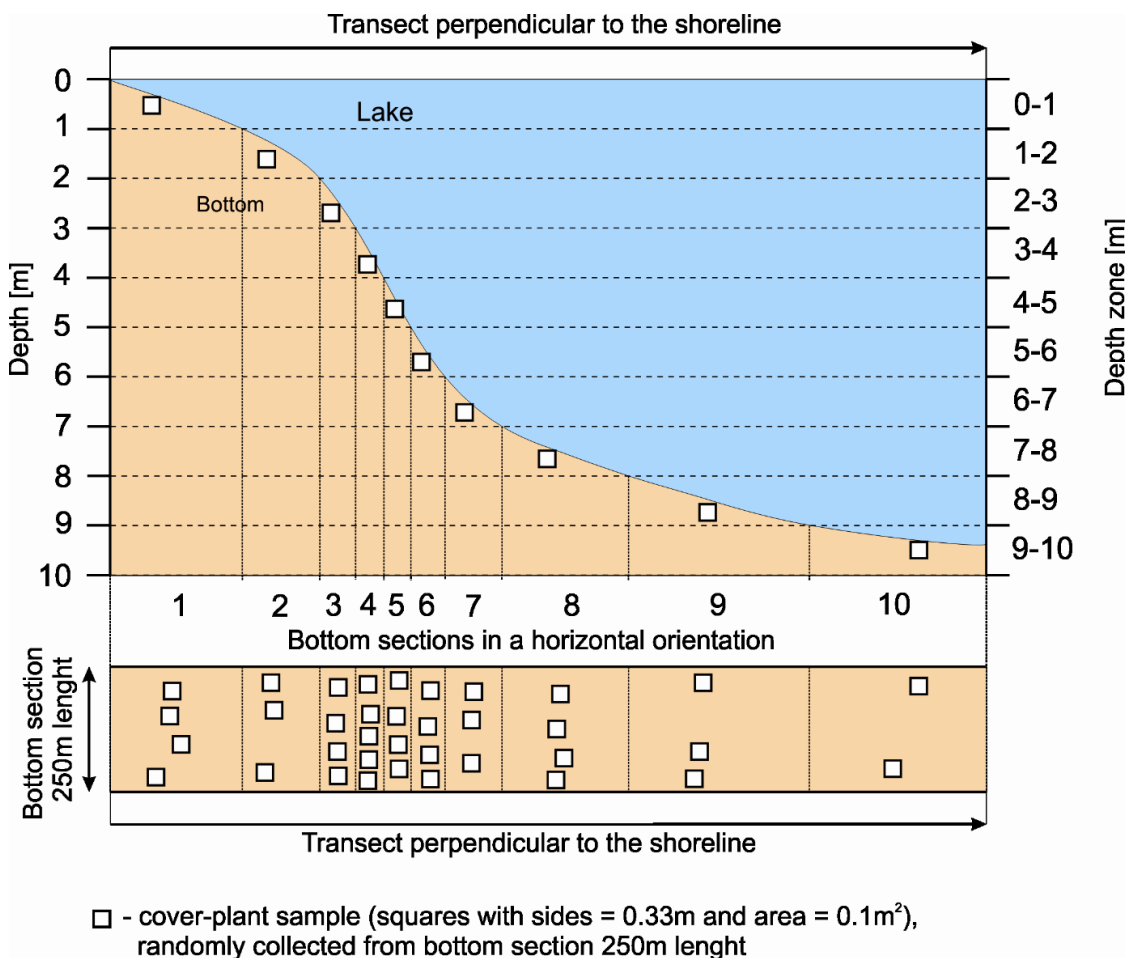
*Corresponding author: rafal.chmara@biol.ug.edu.pl

Supplementary Tab. 1. Characteristics of studied lakes.

No.	Lake name	Area (ha)	Max. depth (m)	Geographical coordinates	Macrophyte communities
1	Bawernica	2.2	5	54.284444, 17.710833	Moss carpet
2	Borowo	16	7	54.539250, 18.264278	
3	Jelenie Duże	17.5	11	54.256250, 17.687944	
4	Kocioł	1.7	7	53.816306, 17.590222	
5	Lej	1.5	7	53.896306, 17.246444	
6	Leśniówek	8.8	7	53.565361, 15.985917	
7	Małe Łowne	3	7	53.802667, 17.458250	
8	Piecki	6	7.5	53.912972, 17.555278	
9	Rąbówka	2.6	18	54.518222, 18.258361	
10	Sosnówek	3.5	11	53.816139, 17.616139	
11	Czarne	8.7	7.5	53.912167, 17.513250	Isoetids with acidophytic mosses
12	Dzierstno	11	5	54.022222, 17.679167	
13	Krasne	31	5	53.867528, 17.281750	
14	Linowskie	16	5.4	53.777694, 17.365250	
15	Moczadło II	3.6	11	53.814194, 17.633583	
16	Modre	3.8	11	54.263500, 17.581611	
17	Palsznik	8.7	14	54.533611, 18.243806	
18	Pomysko	11	9	54.258056, 17.573306	
19	Smołowe	33.5	12.2	54.032861, 17.077389	
20	Sporacz	11.5	7.5	53.778667, 17.430222	
21	Tuszynek	20	6.5	53.742472, 18.496528	
22	Wielkie Gacno	13.5	7	53.793361, 17.559806	
23	Wygoda	11	15	54.526806, 18.243194	
24	Bieszkowickie	9	7.2	54.514722, 18.280028	Isoetids with neutrophytic mosses
25	Głębozko	20.5	29.6	54.190194, 17.556111	
26	Gubisz	13.5	10.2	54.165472, 17.542444	
27	Jeleń	79	33.2	54.200750, 17.526667	
28	Kiedrowickie	102.9	7.1	53.994500, 17.424083	
29	Moczadło I	6.2	14	54.227611, 17.763028	
30	Obrowo Małe	10	11	54.261167, 17.586472	
31	Piasek	42.5	30	54.010944, 17.125333	
32	Salińskie	68.5	8.6	54.683750, 17.927944	
33	Skarszyno	7.5	9.5	54.241306, 17.771417	
34	Śniadowo	129.9	15	53.617111, 16.552611	Neutrophytic vascular plants and charophytes
35	Długie	17.5	8.7	53.977167, 17.268917	
36	Dobrogoszcz	53.3	6.6	54.146278, 18.035944	
37	Łąkie	22.5	23	54.146750, 17.605222	
38	Zakrzewie	12.5	16.5	54.053083, 18.011139	

Supplementary Tab. 2. Plant traits and their subdivision into attributes.

Trait	Attribute
Plant life span	Perennial, evergreen
	Perennial, not evergreen
	Annual
Shoot growth form	Anchored, submerged
	Not anchored, submerged
	Anchored, over water
Leaf distribution along the stem	Leaves along an orthotropic shoot
	Leaves along a plagiotropic shoot
	Rosette
	Semi-rosette
	Floating leaves
Reproduction	Vegetative
	Generative
	Generative and vegetative



Supplementary Fig. 1. Scheme of spatial organization of cover-plant samples in a lake.