

Table S3. List of macrophyte communities of coastal lakes in the Baltic Sea. Asterix denotes marine species

Ecological groups		Community	Type of coastal lakes									
			Brackish	Transitional lakes				Freshwater lakes				
				Ptasi Raj	Resko Przymorskie	Łebsko	Gardno	Kopaní	Liwia Łuża	Wicko Przymorskie	Sarbsko	Jamno
Submerged	Charophytes	<i>Nitellopsis obtusae</i>	5*			1						
		<i>Chara canescens</i> *	5									
		<i>Chara fragilis</i>	2									
		<i>Chara contraria</i>	2									
		<i>Chara aspera</i>					1					
	Elodeides	<i>Myriophyllum spicatum</i>	3	3	1	3	7		3	5	2	
		<i>Potamogeton pectinatus</i>	7	3		1				3	2	
		<i>Potamogeton perfoliatus</i>		3	1	2			2	5	2	
		<i>Ceratophyllum demersum</i>	2			1		1				
		<i>Najas marina</i>				3						
	Nymphaeid es	<i>Potamogeton lucens</i>				1		1	1			
		<i>Potamogeton crispus</i>		1							1	
		<i>Elodea canadensis</i>					1					
	Nymphaeid es	<i>Utricularia vulgaris</i> *						1				
		<i>Nuphar lutea</i>		2	3	3		5	2	1		5
		<i>Nymphaea</i> sp.			2				1			7
		<i>Polygonum amphibium f.natans</i>			2					1		2

		<i>Potamogeton natans</i>					1			2		
		<i>Hydrocharis morsus-ranae</i>				1			2			
		<i>Stratiotes aloides</i>							2			
		<i>Sagittaria sagittifolia</i>	1									
Emerged Helophytes		<i>Phragmites australis</i>	7	7	9	9	8	9	7	9	5	
		<i>Scirpus lacustris</i>		3	2	5	2		3	5	3	7
		<i>Typha angustifolia</i>		8	5	3	5		5	2	3	3
		<i>Glyceria maxima</i>		2	3	5			2	3	7	
		<i>Carex acutiformis</i>		2		2	3	5		2		
		<i>Phalaris arundinacea</i>		3	2	2		3		2	2	3
		<i>Scirpus tabernaemontani</i> *	1		3		2		1	2	1	
		<i>Typha latifolia</i>	1		5	3		2		1	2	1
		<i>Sparganium erectum</i>		2	2	2	1	2	1	3	2	
		<i>Butomus umbellatus</i>		2	3	3		1		2	2	
		<i>Iris pseudacorus</i>		2	1	2	1	2	2		1	1
		<i>Scirpus maritimus</i> *		2	3	2	2	1		1	1	
		<i>Eleocharis palustris</i>			1				1	3		5
		<i>Carex paniculata</i>						1		1		3
		<i>Acorus calamus</i>			2	2				2		
		<i>Carex rostrata</i>									5	
		<i>Thelypteris palustris</i>						3				
		<i>Cicuta virosa</i>			2			2				
		<i>Equisetum fluviatile</i>									2	
		<i>Rumex hydrolapathum</i>							1			

	<i>Comarum palustre</i>									2
	<i>Rorippa amphibia</i>									1
	<i>Carex acuta</i>			3						
	<i>Carex riparia</i>									2
<u>Macrophyte characteristics</u>										
No of communities (S)	8	18	23	19	10	13	13	18	20	17
Biodiversity, Shannon-Wiener index (H')	1.42	0.91	1.64	1.13	1.12	1.07	0.73	2.89	0.47	2.10
Evenness, Pielou Index (J')	0.68	0.31	0.52	0.38	0.49	0.42	0.29	0.60	0.16	0.60
Vegetation coverage (C _{max})	2.5	0.8	1.4	1.2	1.5	1.0	1.5	1.5	1.2	1.5
Share of the phytolittoral area in the total lake area (N,%)	62.5	5.1	23.8	13.7	35.5	13.7	19.9	44.4	13.2	30.4
Colonisation index (Z)	0.70	0.05	0.27	0.14	0.36	0.14	0.32	0.46	0.18	0.36
Share of Charophytes (%)	23.3	0.0	0.0	<0.1	0.0	0.0	0.0	0.0	0.0	0.0
Share of Nymphaeides (%)	0.0	0.3	4.3	1.7	<0.1	12.0	0.6	0.1	0.2	26.1
Share of Emerged (%)	47.5	95.2	88.2	96.5	70.0	87.9	96.1	55.8	98.5	73.9
Share of Submerged (%)	52.5	4.8	1.8	3.5	30.0	12.1	3.9	44.2	1.5	26.1
Submerged / Emerged (%)	1.1	19.8	49.0	<0.1	2.3	7.3	24.6	1.3	<0.1	0.4
Share of marine communities (%)	11.7	0.5	3.0	0.7	0.1	0.5	0.0	0.1	0.3	0.0

*Percentage area coverage: 9>75%; 8=50-75%; 7=25-50%; 6=10-25%; 5=5-10%; 4=2.5-5%; 3=1-2.5%; 2=0.1-1%; 1=<0.1%