

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	Kopań	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							
		<i>Potamogeton lucens</i>			1			1	1			
		<i>Potamogeton crispus</i>		1							1	
		<i>Elodea canadensis</i>				1						
		<i>Utricularia vulgaris</i> *					1					
	Nymphaeids	<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>Comarum palustre</i>								2
		<i>Rorippa amphibia</i>							1	
		<i>Carex acuta</i>		3						
		<i>Carex riparia</i>								2
<b>Macrophyte characteristics</b>										
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 <sub>max</sub> )	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 Nympheides (%)	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%