

Bubanja et al. Assessing the influence of environmental parameters on aquatic plants of ponds in the hinterland of Long Beach in Montenegro. Limnetica 35(2): 385-396 (2016)

SUPPLEMENTARY INFORMATION

Table S1. Measured values of water physicochemical parameters in the analysed ponds. *Valores de los parámetros físico-químicos del agua en las lagunas analizadas*

Pond	Time of sampling	pH	Salinity (%)	Conductivity ($\mu\text{S}/\text{cm}$)	Total hardness (mg/l)	Carbonate hardness (mg/l)	Ca^{2+} (mg/l)	Mg^{2+} (mg/l)	NO_3^- (mg/l)	SO_4^{2-} (mg/l)	Water temperature (°C)	Distance from the sea(m)	Area (m^2)
L1	March	7.6	5.60	8860	78.2	1400	184.0	228.4	1.35	0.0	13.0	152.5	10973.5
	August	8.0	27.80	39200	301.7	5400	1334.4	987.9	2.43	0.0			
L2	March	8.0	0.27	376	10.1	180	65.6	13.1	0.14	5.7	12.0	265.2	588.2
	August	7.4	0.40	562	11.2	200	47.2	19.9	0.07	28.4			
L3	March	8.0	0.28	400	12.2	218	68.8	11.2	0.00	11.9	12.0	264.5	883.6
	August	7.3	0.36	511	16.1	287.6	69.4	27.7	0.16	8.85			
L4	March	7.8	0.27	388	12.2	218	74.4	10.2	0.22	1.8	13.0	314.1	19190.3
	August	7.2	0.33	477	15.9	283.9	68.3	27.5	0.22	6.3			
L5	March	7.8	0.27	383	12.5	224	86.4	1.9	0.00	9.9	15.0	440.1	30758.8
	August	7.5	0.35	490	16.1	288.7	60.5	33.4	0.60	6.4			
L6	March	8.0	0.27	387	12.2	219	73.6	8.5	0.08	2.2	13.5	516.6	35539.8
	August	7.3	0.32	455	14.7	262.9	52.6	31.9	0.93	5.1			
L7	March	8.2	0.28	400	13	232	70.4	13.6	0.31	2.1	14.7	341.0	4707.9
	August												

L8	March	8.2	0.22	311	9.5	170	57.6	6.3	0.00	7.4	16.0	628.1	34218.7
	August	7.3	0.35	489	14.5	258.8	60.5	26.1	0.71	13.5			
L9	March	8.1	0.40	556	20.9	374	86.4	38.4	0.72	4.3	13.0	1148.4	385.8
	August	7.3	0.35	495	15.7	281.9	56.3	34.3	0.62	29.9			
L10	March	8.0	0.32	463	15.3	274	68.8	24.8	0.00	5.0	14.5	550.3	4263.4
	August	7.6	0.27	394	13.3	237.7	43.2	26.2	0.43	6.1			
L11	March	7.7	3.00	5030	63.7	1140	228.0	138.5	1.02	0.0	17.0	405.0	1941.0
	August	7.8	1.00	2200	48.4	866	262.4	51	1.36	82.8			
L12	March	8.0	0.9.	1824	35.2	630	172.0	48.6	1.81	15.2	21.0	1097.5	18804.0
	August												
L13	March	8.5	0.19	348	15.1	270	57.6	30.6	0.19	10.6	16.0	2051.9	3687.9
	August	7.3	0.15	360	12	215.4	49.3	22.4	0.42	9.3			
L14	March	8.0	0.20	429	15.6	280	62.4	30.0	0.14	5.2	17.0	2113.2	8604.2
	August	7.9	0.15	393	11.8	210	43.8	24.5	0.38	7.4			
L15	March	8.2	0.19	424	14.9	267	72.0	21.1	0.00	7.8	17.0	2806.6	6859.7
	August	7.4	0.15	376	11.8	211.2	47.7	22.4	0.78	10.1			
L16	March	8.1	0.14	378	10.7	192	72.0	2.9	0.29	10.8	17.0	2392.9	24841.8
	August	7.7	0.15	398	12.1	216	45.9	24.6	1.40	11.8			
L17	March	8.1	0.50	1793	33.5	620	170.0	45.6	1.73	15.0	20.0	2748.8	1351.7
	August												
L18	March	7.4	0.18	524	14.6	261	59.2	27.7	0.95	4.9	13.0	1223.0	34840.6
	August	8.2	0.17	591	13.8	246.3	37.3	37.2	1.22	11.7			
L19	March	7.55	0.15	437	12.3	219	51.2	22.4	0.52	3.3	16.0	1072.0	4640.5
	August	8.2	0.20	554	16.2	290.1	43.4	44.2	1.02	30.4			

Table S2.

List of aquatic plants that are recorded in the analysed ponds (SUB – submerged plants, FLO – floating plants, HEL – helophytes)

Lista de plantas acuáticas que se registraron en las lagunas analizadas (SUB - plantas sumergidas, FLO - plantas flotantes, HEL - helófitos)

<i>Equisetum ramosissimum</i>	HEL	+		+																		
<i>Euphorbia palustris</i>	HEL			+												+						
<i>Fimbristylis bisumbellata</i>	HEL			+															+			
<i>Gratiola officinalis</i>	HEL	+	+	+	+	+	+	+	+							+	+					+
<i>Hydrocotyle vulgaris</i>	HEL																					+
<i>Iris pseudacorus</i>	HEL						+			+	+					+			+	+	+	+
<i>Juncus acutus</i>	HEL	+		+	+	+	+	+	+						+	+		+		+	+	+
<i>Juncus anceps</i>	HEL				+	+	+								+				+	+	+	
<i>Juncus articulatus</i>	HEL			+	+	+	+			+	+	+	+	+	+	+	+				+	+
<i>Juncus bufonius</i>	HEL			+	+	+				+	+	+	+		+	+						
<i>Juncus capitatus</i>	HEL															+						
<i>Juncus gerrardi</i>	HEL			+	+	+	+			+					+							
<i>Juncus maritimus</i>	HEL	+	+	+	+	+	+	+							+	+		+		+	+	+
<i>Juncus pygmaeus</i>	HEL														+							+
<i>Leucojum aestivum</i>	HEL									+					+							+
<i>Lippia nodiflora</i>	HEL																	+	+			
<i>Ludwigia palustris</i>	HEL																					+
<i>Lythrum salicaria</i>	HEL	+	+	+	+	+	+	+	+						+	+						
<i>Mentha aquatica</i>	HEL							+	+	+	+					+	+	+				+
<i>Myriophyllum spicatum</i>	SUB								+		+				+	+	+	+	+	+	+	
<i>Najas marina</i>	SUB																					
<i>Najas minor</i>	SUB																					
<i>Nymphaea alba</i>	FLO								+		+				+	+	+	+	+	+	+	+
<i>Oenanthe aquatica</i>	HEL							+	+	+	+	+				+	+				+	+
<i>Oenanthe fistulosa</i>	HEL		+																			+
<i>Oenanthe silaifolia</i>	HEL									+												
<i>Oenanthe pimpinelloides</i>	HEL			+																		
<i>Paspalum paspaloides</i>	HEL																	+				
<i>Phragmites australis</i>	HEL	+	+	+	+	+	+	+	+	+	+	+		+		+	+	+	+	+	+	+

<i>Polygonum lapathifolium</i>	HEL									+	+
<i>Polygonum salicifolium</i>	HEL							+	+	+	+
<i>Potamogeton crispus</i>	SUB							+			+
<i>Potamogeton nodosus</i>	FLO	+	+	+	+	+	+	+	+	+	+
<i>Potamogeton perfoliatus</i>	SUB	+									+
<i>Potamogeton pusillus</i>	SUB						+	+	+	+	+
<i>Pulicaria vulgaris</i>	HEL					+					
<i>Ranunculus flammula</i>	HEL				+	+					
<i>Ranunculus marginatus</i>	HEL	+	+			+	+	+	+	+	
<i>Ranunculus trichophyllus</i>	SUB				+	+		+	+	+	+
<i>Rumex hydrolapathum</i>	HEL	+		+							
<i>Sagittaria sagittifolia</i>	HEL								+		
<i>Samolus valerandi</i>	HEL		+		+			+			
<i>Schoenoplectus lacustris</i>	HEL							+	+	+	+
<i>Scirpus maritimus</i> ssp. <i>maritimus</i>	HEL	+		+		+	+	+	+	+	+
<i>Scirpus setaceus</i>	HEL						+				+
<i>Scutellaria galericulata</i>	HEL								+		+
<i>Sparganium erectum</i>	HEL							+	+		+
<i>Stachys palustris</i>	HEL				+						
<i>Typha angustifolia</i>	HEL	+	+		+	+	+	+	+	+	+
<i>Utricularia vulgaris</i>	SUB	+	+		+	+	+		+	+	
<i>Vallisneria spiralis</i>	SUB	+	+		+	+	+				
<i>Veronica anagallis-aquatica</i>	HEL	+	+		+	+	+	+	+	+	+
<i>Zannichellia palustris</i>	SUB							+			+