

Table S1. Environmental characteristics of the 15 studied ponds. The table includes pond identity, human-impact type (Anthr, anthropogenic; N-anthr, non-anthropogenic), pond origin (artif-artificial or glac- glacial), trophic category, surface area (ha), maximum depth (m), shading intensity, percentage cover of macrophytes, modified trophic state index (mTSI), and fish occurrence (presence = 1, absence = 0), TRP (Total Reactive Phosphorus), DIN (Dissolved Inorganic Nitrogen), chla-chlorophyll a concentration.

pond number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
human-impact type	N-anthr	N-anthr	Anthr	N-anthr	Anthr	N-anthr	N-anthr	Anthr	Anthr	N-anthr	Anthr	N-anthr	Anthr	Anthr	Anthr
Origin	artif	artif	artif	glac	glac	glac	glac	artif	artif	artif	glac	glac	artif	glac	artif
Trophy type	O	E	E	M	E	M	E	M	E	E	M	M	E	E	E
Size ha	1.19	0.1461	0.89	0.27	0.1	0.12	0.14	0.59	1.17	0.39	1.48	1.13	2.49	0.47	0.39
Depth m	4.5	0.6	3	0.6	0.5	0.5	1.5	1.7	1.5	1.3	2.5	1.4	2	1	0.5
Shadow	1	4	1	5	4	5	4	4	1	3	3	3	2	2	2
%macroph	10	40	10	30	60	30	80	20	90	50	20	80	10	5	0
mTSI	22	55	57	47	60	42	59	45	54	61	47	42	60	63	63
Fish	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1
Temp °C	20.1	23.7	19.4	25.6	25.0	23.0	17.8	19.8	15.0	15.7	25.5	17.9	16.7	19.5	19.1
pH	9.57	9.21	8.41	7.93	7.69	8.05	8.37	8.74	9.01	8.24	8.5	8.42	8.39	8.98	8.58
cond	573	1087	1318	652	1054	699	990	463	634	745	716	1185	940	1158	665
SDV m	4.0	2.2	1.4	0.6	0.5	0.2	1.5	1.4	1.5	0.8	0.7	1.4	1.6	0.9	0.5
O ₂ %	106.9	170.7	102.9	82.0	61.0	102.0	110.6	120.0	108.0	97.0	142.0	76.2	76.1	99.6	111.4
TRP µg P L ⁻¹	3	82	67	19.4	26.4	9	39	13	30	78	6.2	14	49	50	48
DIN mg N L ⁻¹	0.699	1.394	0.890	1.745	3.666	0.770	0.795	0.53	0.673	0.451	1.922	0.353	1.251	0.811	0.929
NH ₄ mg N L ⁻¹	0.026	0.102	0.482	1.027	1.081	0.303	0.793	0.528	0.36	0.448	1.253	0.352	0.923	0.805	0.923
NO ₃ mg N L ⁻¹	0.646	1.266	0.407	0.708	2.568	0.447	0.001	0.001	0.31	0.003	0.646	0.001	0.306	0.001	0.001
NO ₂ mg N L ⁻¹	0.026	0.263	0	0.01	0.016	0.02	0.002	0.002	0.003	0	0.022988	0.001	0.022	0.006	0.006
Chla µg L ⁻¹	0.5	3.64	7.06	5.08	45.68	6.4	20.13	6.51	10.8	11.54	26.38	2.96	20.13	37.89	37