

Table S2. Differences in phytoplankton and zooplankton community descriptors between anthropogenically influenced (Anthr) and less anthropogenically influenced (N-anthr) ponds, and their relationships with trophic state (mTSI). Values are presented as median (min–max). Differences between pond categories were tested using two-sided Mann–Whitney U tests; relationships with mTSI were assessed using Spearman rank correlations.

Parameter	Median (min–max)		M-W test		Spearman	
	Anthr	N-anthr	U	p	ρ with mTSI	p
Zooplankton						
N Rot	14.5 (7–31)	35 (16–55)	6.0	0.01	-0.53	0.04
N Cla	5 (1–16)	12 (4–16)	17.0	0.22	-0.49	0.07
N Cop	2 (0–7)	5 (1–6)	16.5	0.20	-0.43	0.11
N zoopl	22.5 (10–54)	49 (30–61)	5.5	0.01	-0.60	0.02
n Rot	1,715 (19.62–42,700)	463 (18–2,125)	39.0	0.23	0.48	0.07
n Cla	51.83 (1–359)	80.67 (14.5–476)	25.0	0.78	0.01	0.98
n Cop	5 (0–47)	9.5 (3–195)	18.0	0.27	-0.40	0.14
n zoopl	1,906 (85.46–42,700)	864 (35.5–2,177.3)	38.0	0.28	0.57	0.03
Sh Rot	1.422 (0.008–2.648)	2.558 (0.866–2.89)	11.0	0.05	-0.42	0.12
Sh Cla	1.093 (0–1.799)	1.657 (0.645–2.5)	16.0	0.19	-0.41	0.13
Sh Cop	0.597 (0–1.685)	1.099 (0–1.733)	16.5	0.20	-0.44	0.10
Ev Rot	0.516 (0.004–0.978)	0.693 (0.312–1)	19.0	0.34	-0.39	0.15
Ev Cla	0.674 (0–0.863)	0.646 (0.36–0.971)	26.0	0.87	-0.05	0.87
Ev Cop	0.732 (0–1)	0.758 (0–1)	24.0	0.68	-0.38	0.16
%eutr Rot	34.63 (0–99.92)	11.11 (0–67.4)	41.5	0.13	0.46	0.09
%eutr Cla	72.93 (23.08–100)	47.06 (3.929–86.36)	41.0	0.15	0.54	0.04
%eutr Cop	27.02 (0–100)	32.5 (2.5–100)	25.0	0.77	-0.29	0.29
%Rot	87.28 (22.96–99.97)	67.63 (40.28–97.6)	35.0	0.46	0.40	0.14
%Cla	12.51 (0.015–64.88)	23.74 (2.235–55.09)	22.0	0.54	-0.36	0.19
%Cop	0.212 (0–19.99)	5.109 (0.168–13.13)	14.0	0.12	-0.54	0.04
Rot/Cru	65.94 (0.298–3,341.8)	2.089 (0.674–40.61)	35.0	0.46	0.40	0.14
Phytoplankton						
n CYA	197,000 (0.003–13,400,000)	40,000 (1–118,000)	40.0	0.19	0.32	0.24
n CHAR	13,900 (0–52,200)	667.3 (4–18,000)	37.0	0.34	0.14	0.63
n CHL	506,000 (43,000–15,500,000)	57,000 (6,000–799,000)	42.0	0.12	0.45	0.09
n EUGL	269,000 (9,334–2,950,000)	13,100 (0–52,200)	49.0	0.01	0.77	0.00
n BAC	246,000 (45,000–3,410,000)	104,000 (12,000–511,000)	42.0	0.12	0.66	0.01
n CRYP	248,000 (24,500–7,150,000)	174,000 (6,000–1,010,000)	35.0	0.46	-0.24	0.38
n BIG	0 (0–0)	0 (0–40.78)	24.0	0.35	0.25	0.37
n CHRY	116,000 (0–3,240,000)	0 (0–243,000)	40.0	0.17	0.35	0.20
n HAP	214,000 (0–6,480,000)	0 (0–486,000)	39.0	0.21	0.36	0.19
n DINO	27,100 (0–1,620,000)	24,000 (0–114,000)	33.0	0.60	0.27	0.34
n OCHR	0 (0–13,100)	1 (0–54,000)	18.5	0.28	0.03	0.91
N CYA	4.5 (1–12)	5 (1–12)	22.5	0.56	-0.22	0.44
N CHAR	2 (0–6)	4 (1–7)	11.0	0.05	-0.72	0.00
N CHL	18.5 (8–38)	16 (6–21)	36.0	0.38	0.08	0.77
N EUGL	6 (4–14)	1 (0–4)	54.0	0.00	0.47	0.08
N BAC	10 (4–18)	14 (5–30)	19.0	0.32	-0.11	0.70
N CRYP	4.5 (1–7)	3 (2–5)	37.0	0.32	-0.24	0.39
N BIG	0 (0–0)	0 (0–1)	24.0	0.35	0.25	0.37

N CHRY	1.5 (0–10)	0 (0–5)	35.5	0.40	0.24	0.39
N HAPT	0 (0–1)	0 (0–1)	27.0	0.94	0.07	0.80
N DINO	2 (0–5)	2 (0–4)	25.5	0.81	-0.21	0.46
N OCHR	0 (0–4)	1 (0–2)	19.5	0.32	-0.06	0.83
N phyto	51.5 (38–77)	51 (32–72)	33.5	0.56	0.00	1.00
Sh CYA	0.295 (0–1.099)	1.275 (0–1.427)	14.5	0.13	-0.15	0.59
Ev CYA	0.188 (0–1)	0.599 (0–1)	19.0	0.32	0.01	0.98
Sh CHAR	0.365 (0–0.693)	0.451 (0–1.609)	17.5	0.24	-0.38	0.16
Ev CHAR	0.263 (0–1)	0.325 (0–1)	22.5	0.56	-0.35	0.20
Sh CHL	1.978 (0.243–2.665)	1.749 (0.637–2.274)	32.0	0.69	0.13	0.65
Ev CHL	0.711 (0.117–0.868)	0.666 (0.306–0.866)	29.0	0.96	0.26	0.35
Sh EUGL	1.116 (0.257–1.669)	0 (0–0.87)	50.0	0.01	0.48	0.07
Ev EUGL	0.608 (0.186–0.821)	0 (0–1)	42.0	0.11	0.45	0.09
Sh BAC	1.264 (0.637–1.954)	1.904 (0.502–2.643)	19.0	0.34	0.06	0.82
Ev BAC	0.55 (0.29–0.79)	0.767 (0.312–0.854)	21.0	0.46	0.13	0.65
Sh CRYP	1.029 (0–1.519)	1.043 (0–1.504)	31.5	0.73	-0.17	0.55
Ev CRYP	0.838 (0–1)	0.815 (0–1)	26.5	0.91	0.25	0.36
Sh CHRY	0.041 (0–1.907)	0 (0–1.239)	31.0	0.75	0.14	0.61
Ev CHRY	0.06 (0–0.828)	0 (0–1)	30.0	0.85	0.10	0.73
Sh DINO	0 (0–1.196)	0.004 (0–1.085)	24.5	0.72	-0.28	0.30
Ev DINO	0 (0–0.743)	0.006 (0–0.927)	22.5	0.55	-0.35	0.20
Sh OCHR	0 (0–1.386)	0 (0–0.158)	31.0	0.68	0.02	0.94
Ev OCHR	0 (0–1)	0 (0–0.229)	31.0	0.68	0.02	0.94

Abbreviations: N. species richness; n. abundance; Sh. Shannon diversity; Ev. Pielou evenness; Rot. Rotifera; Cla. Cladocera; Cop. Copepoda; %eutr. proportion of eutrophic species; Cru. crustaceans; CYA. Cyanobacteria; CHL. Chlorophyta; CHAR. Charophyta; CHRY. Chrysophyta; BAC. Bacillariophyta; CRYP. Cryptophyta; HAPT. Haptophyta; BIG. Bigyra; DINO. Dinophyta; OCHR. Ochrophyta; EUGL. Euglenozoa.