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2 Supplemental Materials

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5 Table S1. Carbon ($\delta^{13}\text{C}$, ‰) and nitrogen ($\delta^{15}\text{N}$, ‰) isotopes of dominant zooplankton

6 species used to calculate the NND of species.

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Site	<i>Daphnia</i>		<i>Eodiaptomus</i>		<i>Bosmina</i>		<i>Ceriodaphnia</i>		Cyclopoids	
	$\delta^{13}\text{C}$	$\delta^{15}\text{N}$	$\delta^{13}\text{C}$	$\delta^{15}\text{N}$	$\delta^{13}\text{C}$	$\delta^{15}\text{N}$	$\delta^{13}\text{C}$	$\delta^{15}\text{N}$	$\delta^{13}\text{C}$	$\delta^{15}\text{N}$
1			−27.0	5.6	−24.3	4.0	−28.1	7.9	−27.6	7.2
2			−36.4	3.9	−29.6	5.6	−30.4	5.3	−32.5	4.6
3	−18.4	6.1	−25.1	3.3	−22.3	5.1	−20.5	5.5	−17.5	5.6
4	−25.1	5.6	−23.8	5.4			−30.7	6.7		
5	−36.7	5.4	−29.9	8.7	−31.7	6.2	−30.6	6.2	−25.0	6.0
6	−29.7	6.6	−37.8	7.6	−27.8	8.1	−29.0	5.8	−29.6	6.3
7					−29.5	6.2	−31.4	5.6	−26.5	8.9
8	−31.2	6.3			−24.3	4.1	−29.1	4.5	−29.0	4.6
9					−25.3	5.5	−27.8	4.0	−25.2	5.0
10	−34.7	6.1	−34.6	5.3	−22.7	3.1	−31.8	7.4	−27.5	2.9
11	−30.1	8.5	−28.8	9.3	−29.3	3.6			−26.5	6.6
12			−22.4	8.1	−23.9	5.5			−22.4	5.3
13			−15.6	5.8	−22.1	3.8			−20.7	4.6
14	−38.7	3.6	−36.6	7.4	−36.2	4.6	−38.6	4.7	−34.8	9.1

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Table S2. Environmental factors of the 14 ponds used in this study. Log TP and Chl-a indicate log-transformed total phosphorus and chlorophyll *a* of surface water, respectively.

Sites	pH	Water depth (m)	Log TP ($\mu\text{g L}^{-1}$)	Log Chl-a ($\mu\text{g L}^{-1}$)
1	6.5	4.7	1.5	1.3
2	7.1	5.0	1.1	2.0
3	9.6	3.3	2.0	2.0
4	8.0	6.5	1.9	1.2
5	7.6	2.5	1.1	1.7
6	7.1	5.0	2.7	1.3
7	7.3	2.8	1.2	1.1
8	7.6	2.0	1.2	0.4
9	9.0	1.5	1.4	1.6
10	7.6	7.1	1.1	0.6
11	7.3	4.1	1.7	1.7
12	8.2	3.2	1.3	1.6
13	9.6	3.0	1.2	1.7
14	8.3	2.8	1.2	1.3

23 Table S3 Biomass ($\mu\text{g L}^{-1}$) of dominant zooplankton species. “Fish” indicates presence
 24 (P) or absence (0) of plankton-feeding fish in the pond.
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Site	Fish	<i>Daphnia</i>	<i>Eodiaptomus</i>	<i>Bosmina</i>	<i>Ceriodaphnia</i>	Cyclopoids
1	P	0.0	53.7	36.0	4.3	2.4
2	P	0.0	40.5	16.6	7.4	14.8
3	0	2.3	53.7	15.2	23.2	19.7
4	0	0.6	111.8	0.0	2.3	0.0
5	0	171.8	0.0	38.7	39.7	33.5
6	0	168.3	238.6	351.2	87.9	57.3
7	P	0.1	0.0	84.6	7.5	1.3
8	0	61.9	0.2	1.5	2.5	1.6
9	P	0.0	0.0	2.6	0.1	1.7
10	0	42.6	9.0	9.2	1.6	1.8
11	0	45.3	140.5	12.4	3.2	52.2
12	P	0.0	109.4	0.4	0.0	46.1
13	P	0.0	87.6	0.7	0.0	1.2
14	0	12.3	20.3	141.4	1.9	179.5