

Supplementary Materials: Is Recovery of Large-Bodied Zooplankton after Nutrient Loading Reduction Hampered by Climate Warming? A Long-Term Study of Shallow Hypertrophic Lake Søbygaard, Denmark

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Table S1. Zooplankton taxa identified within the groups of Rotifera, Cladocera and Copepoda in Lake Søbygaard from 1990 to 2012.

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Table S1. Cont.

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Table S2. Statistics of the GLMMs based on Markov chain Monte Carlo method for the temporal trend of *Bosmina* spp and *Daphnia* spp. Estimate value, standard error (SE), p-value (p_{pscl}), and log-likelihood are reported.

		Estimate	SE	p_{pscl}	log-likelihood
<i>Bosmina</i> spp. (all period)	intercept	5.8940	0.0087	<0.001	−84,730
	time	0.0021	<0.0001	<0.001	
<i>Bosmina</i> spp. (spring–summer)	intercept				−42,120
	time	5.3712	0.0111	<0.001	
		0.0112	0.0001	<0.001	
<i>Daphnia</i> spp. (all period)	intercept	4.7002	0.0196	<0.001	−8548
	time	−0.0029	0.0001	<0.001	
<i>Daphnia</i> spp. (spring–summer)	intercept	4.5332	0.0226	<0.001	−4868
	time	−0.0037	0.0002	<0.001	

Table S3. Statistics of the GLMMs based on Markov chain Monte Carlo method for the temporal trend in variables shown in Figure 8. The mean of the posterior distribution (post mean), lower and upper 95% credible interval (l-95% CI and u-95% CI), the MCMC p-value (p_{MCMC}) and deviance information criterion (DIC) are reported.

		post. mean	l-95%CI	u-95%CI	p_{MCMC}	DIC
Nauplii (all period)	intercept	3.6866	2.9233	4.2672	<0.001	1656
	time	0.0041	0.0020	0.0062	<0.001	
Nauplii (spring–summer)	intercept	4.3669	3.9306	4.8515	<0.001	1086
	time	0.0082	0.0034	0.0134	0.004	
Cyclopoidae (all period)	intercept	4.1463	3.3090	4.8897	<0.001	1742
	time	0.0034	0.0013	0.0054	0.002	
Cyclopoidae (spring–summer)	intercept	4.8933	4.5059	5.2548	<0.001	1154
	time	0.0084	0.0040	0.0129	0.002	
Chl-<i>a</i> (all period)	intercept	5.0539	4.6952	5.4902	<0.001	2010
	time	−0.0047	−0.00573	−0.0036	<0.001	
Chl-<i>a</i> (spring–summer)	intercept	5.2966	5.1081	5.5024	<0.001	1006
	time	−0.0071	−0.0095	−0.0045	<0.001	
TN (all period)	intercept	5.7090	5.5532	5.8772	<0.001	2214
	time	−0.0034	−0.0040	−0.0029	<0.001	
TN (spring–summer)	intercept	5.5101	5.4234	5.5995	<0.001	1167
	time	−0.0060	−0.0070	−0.0047	<0.001	
TP (all period)	intercept	3.5338	3.1804	3.8991	<0.001	1651
	time	−0.0024	−0.0031	−0.0017	<0.001	
TP (spring–summer)	intercept	3.96292	3.5949	4.3063	<0.001	967
	time	−0.00477	−0.0065	−0.0023	<0.001	