

Table S1. Environmental characteristics of the four sampling sites in Lake Kirkilai (Lithuania)

Parameter	Depth			
	1 m	3 m	4 m	5 m
Temperature, °C	22.60	19.60	15.70	12.50
pH	8.03	7.17	7.01	6.22
Conductivity, $\mu\text{S cm}^{-1}$	1468	1959	2270	2340
Salinity	0.70	1.00	1.10	1.20
O ₂ , mg L ⁻¹	6.27	0.98	0.00	0.00
N _{TOTAL} , mg L ⁻¹	1.38	1.48	1.64	2.38
NO ₃ , mg N L ⁻¹	0.62	<0.01	<0.01	<0.01
NH ₄ , mg N L ⁻¹	0.16	0.08	0.43	1.03
P _{TOTAL} , mg L ⁻¹	0.02	0.02	0.03	0.06
PO ₄ , mg P L ⁻¹	<0.001	0.001	0.010	0.026
N:P	31	33	25	18