

Supplementary Materials: Spatial and Temporal Dynamics of Potentially Toxic Cyanobacteria in the Riverine Region of a Temperate Estuarine System Altered by Weirs

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Table S1. Cell abundance (mean \pm SD, cell mL⁻¹) of the cyanobacteria species observed during sampling (n = 12). Potentially toxic species are marked by (*).

Species	YA	YB	YC	YD
* <i>Dolichospermum sp.</i>	55 \pm 137	210 \pm 647	155 \pm 289	916 \pm 2169
<i>Dolichospermum spiroides</i>	-	-	11 \pm 38	37 \pm 88
<i>Aphanizomenon sp.</i>	-	-	-	1 \pm 2
* <i>Aphanocapsa sp.</i>	562 \pm 1096	695 \pm 1025	1164 \pm 2372	411 \pm 883
<i>Aphanothece sp.</i>	116 \pm 487	185 \pm 419	-	-
<i>Chroococcus cohaerens</i>	-	293 \pm 1013	-	57 \pm 197
<i>Chroococcus minimus</i>	19 \pm 80	186 \pm 644	-	-
<i>Chroococcus minutus</i>	-	26 \pm 90	79 \pm 272	1 \pm 2
<i>Chroococcus sp.</i>	117 \pm 491	24 \pm 81	95 \pm 240	42 \pm 100
<i>Chroococcus turgidus</i>	68 \pm 173	28 \pm 95	-	-
<i>Coelosphaerium naegelianum</i>	92 \pm 231	15 \pm 38	315 \pm 1060	31 \pm 106
<i>Merismopedia glauca</i>	-	245 \pm 822	-	-
<i>Merismopedia minima</i>	10480 \pm 26296	22127 \pm 56685	626 \pm 922	458 \pm 1259
<i>Merismopedia sp.</i>	9 \pm 38	25 \pm 85	-	-
* <i>Microcystis aeruginosa</i>	-	320 \pm 751	234 \pm 810	455 \pm 1576
* <i>Microcystis flos-aquae</i>	195 \pm 819	-	4417 \pm 14132	681 \pm 1973
* <i>Microcystis sp.</i>	187 \pm 787	141 \pm 272	6007 \pm 18898	5365 \pm 1293
<i>Microcystis viridis</i>	-	-	-	-
<i>Microcystis wesenbergii</i>	-	693 \pm 1814	55 \pm 154	422 \pm 932
<i>Myxosarcina sp.</i>	6 \pm 26	7 \pm 23	-	-
<i>Oscillatoria lemmermannii</i>	-	113 \pm 389	1 \pm 2	-
<i>Oscillatoria limosa</i>	223 \pm 791	30 \pm 90	-	-
<i>Oscillatoria mougeotii</i>	4 \pm 17	-	8 \pm 28	146 \pm 342
* <i>Oscillatoria sp.</i>	470 \pm 531	162 \pm 311	512 \pm 1464	792 \pm 1431
<i>Phormidium mucicola</i>	332 \pm 821	362 \pm 1203	269 \pm 725	755 \pm 1919
* <i>Phormidium sp.</i>	1356 \pm 991	3064 \pm 5510	442 \pm 427	637 \pm 1121
<i>Raphidiopsis mediterranea var. grandis</i>	34 \pm 141	27 \pm 94	33 \pm 91	37 \pm 70
<i>Spirulina sp.</i>	32 \pm 99	61 \pm 158	-	-

Table S2. Kruskal-Wallis test of the variation of potentially toxic cyanobacterial abundance among the seasons. Monthly data were grouped into four seasons.

	Test score
Chi-square	7.815
df	3
Asymp. Sig.	*0.0103

* P < 0.05.