

Supplementary material

Long-term dynamics of the zooplankton community during large salinity fluctuations in a coastal lagoon

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Table S1. Taxonomic composition, percentage of occurrence and maximum density of zooplankton taxa recorded in Garça Lagoon from February 2002 to March 2008

Taxa	Occurrence (%)	Maximum density (individuals m ⁻³)
Rotifera		
<i>Beauchampiella eudactylota</i> Gosse, 1886	0.01	60
<i>Brachionus caudatus</i> Barrois & Daday, 1894	0.17	572 000
<i>Brachionus havanaensis</i> Rousselet, 1911	0.01	10
<i>Brachionus plicatilis</i> Müller, 1786	0.89	4 617 333
<i>Brachionus quadridentatus</i> Hermann, 1783	0.01	80
<i>Brachionus</i> sp.	0.04	265 200
<i>Brachionus zahniseri</i> Ahlstrom, 1934	0.01	30
<i>Cephalodella</i> sp.	0.01	130
<i>Colurella</i> sp.	0.04	10
<i>Filinia longiseta</i> (Ehrenberg, 1834)	0.10	45 000
<i>Hexarthra mira</i> (Hudson, 1871)	0.33	234 500
<i>Keratella americana</i> Carlin, 1943	0.01	20
<i>Keratella cochlearis</i> (Gosse, 1851)	0.01	100
<i>Keratella lenzi</i> Hauer, 1953	0.04	20
<i>Keratella</i> sp.	0.01	1000
<i>Keratella tropica</i> Apstein, 1907	0.06	120
<i>Keratella valga</i> (Ehrenberg, 1834)	0.03	10
<i>Lecane bulla</i> Gosse, 1851	0.13	1940
<i>Lecane closterocerca</i> Schmarda, 1859	0.01	40
<i>Lecane furcata</i> (Murray, 1913)	0.01	190
<i>Lecane grandis</i> (Murray, 1913)	0.16	80
<i>Lecane hamata</i> (Stokes, 1896)	0.01	360
<i>Lecane hastata</i> (Murray, 1913)	0.01	10
<i>Lecane leontina</i> (Turner, 1892)	0.01	40
<i>Lecane lunaris</i> (Ehrenberg, 1832)	0.07	320
<i>Lecane obtusa</i> (Murray, 1913)	0.09	300
<i>Lecane pyriformis</i> (Daday, 1905)	0.01	20
<i>Lecane rythida</i> Harring & Myers 1926	0.01	2180
<i>Lecane scutata</i> Harring & Myers 1926	0.07	30
<i>Lecane signifera</i> (Jennings, 1896)	0.04	40
<i>Lecane</i> sp. 1	0.01	500
<i>Lecane</i> sp. 2	0.01	330
<i>Lecane</i> sp. 3	0.01	30
<i>Lecane stenroosi</i> (Meissner, 1908)	0.04	10
<i>Lecane stichaea</i> Harring, 1913	0.07	40
<i>Lecane undulata</i> Hauer, 1938	0.01	10
<i>Lepadella patella</i> (Müller, 1773)	0.10	3000
<i>Monommata</i> sp.	0.01	20
<i>Notommata</i> sp.	0.17	36 400
<i>Platyas quadricornis</i> Ehrenberg 1832	0.01	60
<i>Polyarthra dolichoptera</i> Idelson, 1925	0.14	320
<i>Synchaeta</i> sp.	0.03	30
<i>Trichocerca bicristata</i> (Gosse, 1887)	0.03	10
<i>Trichocerca pusilla</i> (Jennings, 1903)	0.04	6000
<i>Trichocerca</i> sp.	0.06	20
Cladocera		
<i>Acroperus tupinamba</i> Sinev & Elmoor-Loureiro, 2010	0.01	250
<i>Anthalona verrucosa</i> Sars, 1901	0.01	30
<i>Bosmina hagemanni</i> Stingelin, 1904	0.01	10
<i>Bosminopsis deitersi</i> Richard, 1895	0.10	20
<i>Ceriodaphnia cornuta</i> Sars, 1886	0.01	10
<i>Ceriodaphnia laticaudata</i> P. E. Müller, 1867	0.01	160
<i>Ceriodaphnia reticulata</i> (Jurine, 1820)	0.01	20
<i>Diaphanosoma birgei</i> Korinek, 1981	0.07	59 000
<i>Euryalona brasiliensis</i> Brehm & Thomsen, 1936	0.01	20

Taxa	Occurrence (%)	Maximum density (individuals m ⁻³)
<i>Leberis davidi</i> Richard, 1895	0.06	50
<i>Macrothrix elegans</i> Kotov, 2004	0.03	200
<i>Moina micrura</i> Kurz, 1874	0.09	80
<i>Moinodaphnia macleayi</i> King, 1853	0.01	460
<i>Scapholeberis armata</i> Herrick & Turner, 1895	0.01	90
Non-identified Chydoridae sp. 1	0.01	10
Non-identified Chydoridae sp. 2	0.01	30
Non-identified Chydoridae sp. 3	0.01	10
Copepoda		
<i>Acartia lilljeborgi</i> Giesbrecht, 1889	0.06	1600
<i>Halicyclops thermophilus</i> Kiefer, 1929	0.04	480
<i>Oithona hebes</i> Giesbrecht, 1891	0.31	24 067
Non-identified Calanoida	0.14	90
<i>Microcyclops ceibaensis</i> (Marsh, 1919)	0.57	16 800
Non-identified Cyclopoida sp. 2	0.04	140
Non-identified Cyclopoida sp. 3	0.04	150
Non-identified Cyclopoida sp. 4	0.03	30
Other taxon		
<i>Artemia</i> sp.	0.07	6668

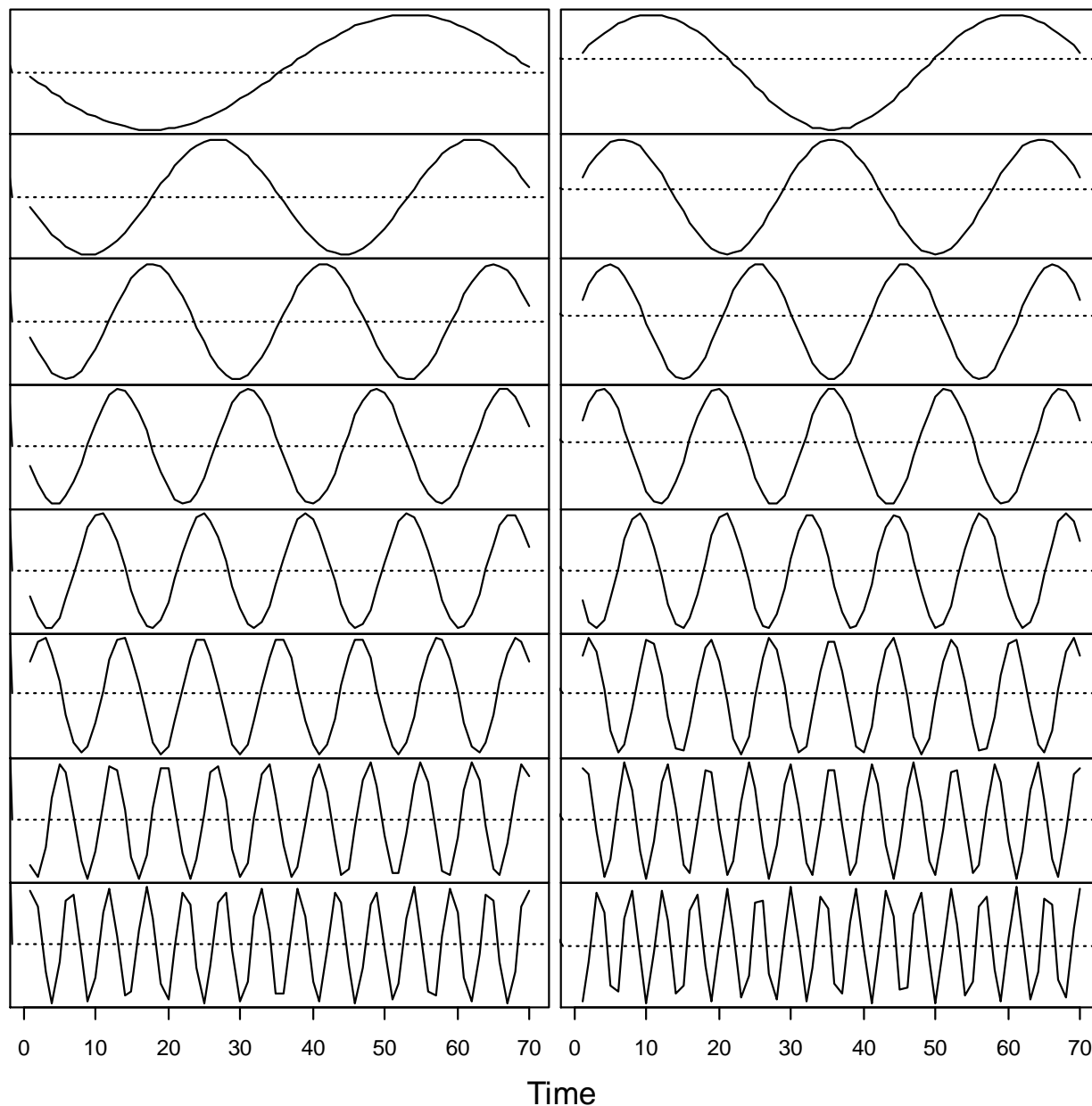


Fig. S1. Selected temporal filters (or PCNM eigenvectors) for a time series with 70 equispaced points. The dotted lines indicate zero on the y -axis.