Amorim Roca *et al.*, 2021. Has Rotifera richness, abundance, and biomass been underestimated in a tropical watershed basins? Limnetica 40-2, 2021: 295-307

SUPPLEMENTARY INFORMATION

Table S1. List of the Rotifera taxa identified in the CRB, and their abundance, average biomass (± standard deviation), and frequency of occurrence (FO) in the 20 μm and 65 μm mesh nets. The means lengths of the rotifers are also indicated. Bold values indicate the species captured only in the 20 μm mesh net. *Taxa not identified, following Sergers (2007). #Average biomass in the 65 μm mesh net higher than in the 20 μm fraction. *Lista de táxons de Rotifera identificados na BRC e sua abundância, biomassa média (± desvio padrão) e frequência de ocorrência (FO) nas redes de malhas de 20 μm e 65 μm. Os comprimentos médios dos rotíferos também são indicados. Valores em negrito indicam as espécies capturas apenas na rede de malha de 20 μm. * Taxa não identificada, seguindo Sergers (2007). # Biomassa média na malha de 65 μm maior que na fração de 20 μm.*

TAXA	Mean length (µm)	Abundance (Ind/L)		Biomass (µgC Ind·L^{-1})		FO (%)	
		20 µm	65 µm	20 µm	65 µm	20 µm	65 µm
Brachionidae Ehrenberg. 1838							
***Anuraeopsis fissa* Gosse. 1851**	76.3 ± 14.8	0.356 ± 0.261		0.001 ± 0.001		33.33%	0.00%
Brachionus angularis angularis Gosse. 1851	98 ± 16.6	2092 ± 3787	1512 ± 2733	0.020 ± 0.035	0.020 ± 0.034	69.44%	55.56%
Brachionus calyciflorus Pallas. 1766 #	165.7 ± 46.9	1355 ± 3462	1259 ± 3361	0.031 ± 0.054	0.037 ± 0.056	44.44%	36.11%
Brachionus caudatus Barrois & Daday. 1894	120.5 ± 18.3	0.836 ± 1101	0.767 ± 1107	0.012 ± 0.020	0.012 ± 0.020	52.78%	50.00%
**Brachionus caudatus f. majusculus* Ahlstrom 1940	157.3 ± 15.9	1074 ± 1573	1056 ± 1541	0.030 ± 0.045	0.030 ± 0.044	11.11%	8.33%
**Brachionus caudatus f. vulgatus* Ahlstrom 1940	106.4 ± 12.5	0.216 ± 0.281	0.209 ± 0.256	0.003 ± 0.005	0.003 ± 0.005	33.33%	19.44%
Brachionus falcatus Zacharias. 1898	117.5 ± 16.1	0.689 ± 1074	0.683 ± 1028	0.009 ± 0.013	0.009 ± 0.013	44.44%	38.89%
Brachionus havanaensis Rousselet. 1991	111.3 ± 17.6	0.439 ± 0.404	0.347 ± 0.304	0.005 ± 0.004	0.005 ± 0.004	30.56%	22.22%
**Brachionus patullus patullus* Müller. 1786	110 ± 35.8	0.067 ± 0.053	0.067 ± 0.053	0.002 ± 0.001	0.002 ± 0.001	36.11%	33.33%
Brachionus plicatilis plicatilis Müller. 1786	177.1 ± 19.9	0.144 ± 0.164	0.122 ± 0.181	0.006 ± 0.007	0.006 ± 0.009	19.44%	13.89%
Brachionus quadridentatus quadridentatus Hermann. 1783 #	157.2 ± 38.5	0.196 ± 0.150	0.193 ± 0.151	0.008 ± 0.008	0.009 ± 0.009	52.78%	50.00%
**Brachionus urceolaris nilsoni* (Ahlstrom. 1940) #	165 ± 39.8	0.375 ± 0.020	0.167	0.016	0.008	8.33%	2.78%
Brachionus urceolaris urceolaris Müller. 1773 #	210.3 ± 49.6	5522 ± 12038	4685 ± 10961	0.358 ± 0.829	0.423 ± 0.910	19.44%	13.89%
Keratella americana Carlin. 1943	91.5 ± 13.8	0.923 ± 2622	0.035 ± 0.010	0.002 ± 0.004	<0.001 ± <0.001	47.22%	5.56%
***Keratella cochlearis* (Gosse. 1851)**	100 ± 0	0.028		<0.001		5.56%	0.00%
Keratella tropica (Apstein. 1907)	99.4 ± 9.1	0.200 ± 0.294	0.104 ± 0.057	0.001 ± 0.001	<0.001 ± <0.001	50.00%	16.67%
Platyias quadricornis (Ehrenberg. 1832)	170.7 ± 39.5	0.066 ± 0.029	0.066 ± 0.029	0.004 ± 0.004	0.004 ± 0.004	30.56%	27.78%

Table S1. Continuation

TAXA	Mean length (µm)	Abundance (Ind/L)		Biomass (µgC Ind·L^{-1})		FO (%)	
		20 µm	65 µm	20 µm	65 µm	20 µm	65 µm
EuchlanidaeEhrenberg. 1838							
Dipleuchlanis propatula (Gosse. 1886)	156 ± 27	0.069 ± 0.028	0.069 ± 0.028	0.002 ± <0.001	0.002 ± <0.001	13.89%	11.11%
Euclanis arenosa Myers. 1936	140 ± 5.3	0.056 ± 0.042	0.052 ± 0.034	0.001 ± <0.001	0.001 ± <0.001	27.78%	19.44%
Euclanis dilatata Ehrenberg. 1832	147.1 ± 4.9	0.028	0.028	<0.001 ± <0.001	<0.001 ± <0.001	11.11%	8.33%
Filiniidae Harring & Myers. 1926							
Filinia longiseta (Ehrenberg. 1834)	145.7 ± 23	0.097 ± 0.053	0.097 ± 0.053	0.002 ± 0.001	0.002 ± 0.001	13.89%	11.11%
**Filinia longiseta var. passa* Ehrenberg. 1834	156 ± 38.5	0.167 ± 0.157	0.167 ± 0.157	0.02 ± 0.024	0.020 ± 0.024	8.33%	5.56%
Filinia opoliensis (Zacharias. 1898)	182.7 ± 24.6	0.263 ± 0.276	0.251 ± 0.231	0.007 ± 0.008	0.007 ± 0.008	30.56%	19.44%
Filinia terminalis (Plate. 1886) #	131.1 ± 31.4	2.002 ± 3219	1.444 ± 1889	0.057 ± 0.1	0.059 ± 0.098	52.78%	38.89%
Hexarthridae Bartos. 1959							
Hexarthra fennica (Levander. 1892)	140 ± 51.9	0.123 ± 0.091	0.119 ± 0.098	0.003 ± 0.002	0.003 ± 0.003	36.11%	30.56%
Hexarthra intermedia brasiliensis Hauer. 1953	118 ± 23.9	0.056	0.056	0.001 ± 0.001	<0.001	13.89%	2.78%
Hexarthra mira (Hudson. 1871)	90 ± 0	0.056	0.056		<0.001	5.56%	2.78%
Lecanidae Remane. 1933							
**Lecane aquila* Harring & Myers. 1926	116.3 ± 30.1	0.129 ± 0.112	0.102 ± 0.057	0.001 ± 0.001	0.001 ± <0.001	33.33%	16.67%
Lecane arcuata (Bryce. 1981)	83.3 ± 23.4	0.111 ± 0.118	0.028	<0.001 ± <0.001	<0.001	8.33%	2.78%
***Lecane braumi* Koste. 1988**	100 ± 0	0.028		<0.001		5.56%	0.00%
Lecane bulla bulla (Gosse. 1851) #	122.3 ± 13	0.561 ± 1402	0.559 ± 1430	0.003 ± 0.001	0.004 ± 0.009	88.89%	80.56%

Table S1. Continuation

TAXA	Mean length (µm)	Abundance (Ind/L)		Biomass (µgC Ind·L^{-1})		FO (%)	
		20 µm	65 µm	20 µm	65 µm	20 µm	65 µm
Lecanidae Remane. 1933							
Lecane closterocerca (Schmarda. 1859)	90.6 ± 21.3	0.055 ± 0.025	0.050 ± 0.030	<0.001 ± <0.001	<0.001 ± <0.001	33.33%	19.44%
Lecane cornuta (Müller. 1786)	90 ± 18.7	0.125 ± 0.053	0.083 ± 0.039	0.001 ± <0.001	0.001 ± <0.001	13.89%	5.56%
Lecane curvicornis (Murray. 1913)	115.5 ± 12.2	0.123 ± 0.187	0.123 ± 0.187	0.001 ± 0.002	0.001 ± 0.002	25.00%	22.22%
Lecane furcata (Murray. 1913)	78.2 ± 21.8	0.097 ± 0.098	0.079 ± 0.051	<0.001 ± <0.001	<0.001	19.44%	5.56%
***Lecane hamata* (Stokes. 1896)**	92.2 ± 30.7	0.157 ± 0.125		0.001 ± 0.001		11.11%	0.00%
Lecane hastata (Murray. 1913)	120 ± 0	0.056	0.056	<0.001	<0.001	5.56%	2.78%
Lecane hornemanni (Ehrenberg. 1834)	91 ± 24.2	0.097 ± 0.098	0.083 ± 0.056	<0.001 ± 0.001	<0.001 ± 0.001	16.67%	5.56%
***Lecane imbricata* Carlin. 1939**	86.7 ± 5.2	0.056 ± 0.028		<0.001 ± <0.001		11.11%	0.00%
Lecane leontina (Turner. 1892)	160 ± 30.3	0.082 ± 0.090	0.077 ± 0.087	0.001 ± 0.002	0.001 ± 0.002	36.11%	30.56%
***Lecane ludwigii* (Eckstein. 1883)**	118.8 ± 15.5	0.120 ± 0.080		<0.001 ± <0.001		11.11%	0.00%
Lecane luna (Müller. 1776)	110 ± 35.6	0.153 ± 0.183	0.146 ± 0.236	0.001 ± 0.001	0.001 ± 0.002	19.44%	11.11%
Lecane lunaris (Ehrenberg. 1832) #	99 ± 25	0.203 ± 0.198	0.137 ± 0.180	0.001 ± 0.001	0.002 ± 0.002	38.89%	8.33%
**Lecane lunaris f. constricta* (Murray 1913) #	105 ± 21.2	0.056	0.056	<0.001	<0.001	5.56%	2.78%
Lecane minuta Segers. 1994	70 ± 0	0.028	0.028	<0.001	<0.001	5.56%	2.78%
Lecane monostyla (Daday. 1897)	70 ± 0	0.028	0.028	<0.001	<0.001	5.56%	2.78%
***Lecane nana* (Murray. 1913)**	70 ± 0	0.046 ± 0.016		<0.001 ± <0.001		11.11%	0.00%
Lecane niothis Harring & Myers. 1926	124 ± 23	0.238	0.238	0.002	0.002	5.56%	2.78%
Lecane papuana (Murray. 1913)	72.2 ± 10	0.485 ± 0.821	0.200 ± 0.266	0.001 ± 0.001	<0.001 ± <0.001	33.33%	13.89%
Lecane punctata (Murray.1913)	72.9 ± 4.6	0.179 ± 0.246	0.085 ± 0.081	<0.001 ± <0.001	<0.001 ± <0.001	16.67%	5.56%
***Lecane pyriformis* (Daday. 1905)**	68.3 ± 9.8	0.074 ± 0.032		<0.001 ± <0.001		11.11%	0.00%

Table S1. Continuation

TAXA	Mean length (µm)	Abundance (Ind/L)		Biomass (µgC Ind·L^{-1})		FO (%)	
		20 µm	65 µm	20 µm	65 µm	20 µm	65 µm
Lecanidae Remane. 1933							
Lecane quadridentata (Ehrenberg. 1830)	140 ± 8.2	0.046 ± 0.016	0.028	<0.001 ± <0.001	<0.001	11.11%	2.78%
***Lecane subtilis* Harring & Myers. 1926**	90 ± 0	0.056		<0.001 ± <0.001		8.33%	0.00%
Lecane thalera (Harring & Myers. 1926)	138.9 ± 12	0.417	0.417	0.003	0.003	5.56%	2.78%
Lepadellidae Harring. 1913							
Colurella obtusa obtusa (Gosse. 1856)	93.7 ± 18.4	0.413 ± 1148	0.045 ± 0.013	0.003 ± 0.008	<0.001 ± <0.001	36.11%	11.11%
Colurella salina Althaus. 1957	132.5 ± 38.5	0.050 ± 0.023	0.028	<0.001 ± <0.001	<0.001	16.67%	2.78%
Lepadella patella patella (Müller. 1786)	86 ± 14.2	0.137 ± 0.137	0.076 ± 0.062	<0.001 ± <0.001	<0.001 ± <0.001	52.78%	11.11%
***Squatinella mutica* (Ehrenberg. 1832)**	108.6 ± 7.7	0.148 ± 0.080		0.001 ± <0.001		11.11%	0.00%
Notommatidae Hudson & Gosse. 1886							
***Cephalodella gibba* (Ehrenberg. 1830)**	113.3 ± 25.8	0.167 ± 0.079		0.001 ± <0.001		8.33%	0.00%
***Monommata actices* Myers. 1930**	90 ± 0	0.028		<0.001		5.56%	0.00%
Synchaetidae Hudson & Gosse. 1886							
Polyarthra dolichoptera Idelson. 1925	92 ± 17.3	5.298 ± 6.890	0.316 ± 0.396	0.047 ± 0.060	0.005 ± 0.006	83.33%	22.22%
Testudinellidae Harring. 1913							
**Testudinella dendradena* de Beauchamp. 1955	161.3 ± 12.6	0.172 ± 0.269	0.171 ± 0.269	0.002 ± 0.002	0.002 ± 0.002	58.33%	55.56%
Trichocercidae Harring. 1913							
***Trichocerca bicristata* (Gosse. 1887)**	180 ± 0	0.028		0.001		5.56%	0.00%
***Trichocerca elongata* (Gosse. 1886)**	150 ± 0	0.056		0.001		8.33%	0.00%
***Trichocerca fusiforme* Gosse.1886**	100 ± 0	0.028		<0.001		5.56%	0.00%
Trichocerca pusilla (Jennings. 1903)	90.4 ± 10.5	0.594 ± 0.504	0.076 ± 0.051	<0.001 ± <0.001	<0.001 ± <0.001	66.67%	13.89%
Trichocerca similis grandis Hauer. 1965	143.6 ± 13.6	0.100 ± 0.131	0.042 ± 0.020	0.001 ± 0.001	<0.001 ± <0.001	16.67%	5.56%
Trichocerca similis similis (Wierzejski. 1893)	126.3 ± 9.6	0.287 ± 0.239	0.269 ± 0.236	0.004 ± 0.004	0.004 ± 0.003	11.11%	8.33%
***Trichocerca tenuidens* (Hauer. 1931)**	155 ± 21.2	0.028		<0.001 ± <0.001		8.33%	0.00%