

Supplementary material

Effects of small changes in riparian forest complexity on aquatic insect bioindicators in Brazilian subtropical streams

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Table S1. Environmental description of streams sampled in five streams (A to E in order of riparian forest complexity) within two sampled areas (Lagoa do Peri Municipal Park and Permanent Protection Area of Ratoles) on Santa Catarina Island, southern Brazil

	PERI					RAT				
	A	B	C	D	E	A	B	C	D	E
Water variables										
Temperature (°C)	21.08	20.20	20.62	19.92	21.18	20.37	20.75	22.60	22.72	20.77
Velocity (m s ⁻¹)	0.16	0.19	0.22	0.19	0.21	0.19	0.14	0.14	0.21	0.27
Conductivity (µS)	72.95	50.25	51.38	50.57	74.38	53.80	79.82	74.47	67.67	75.02
Depth (m)	0.12	0.12	0.15	0.12	0.07	0.17	0.08	0.10	0.12	0.17
DO (mg L ⁻¹)	9.21	9.10	9.33	9.37	8.40	8.40	7.87	8.45	8.87	8.82
Sand (%)	16.67	5.00	20.00	11.67	16.67	91.00	66.67	16.67	6.67	31.67
Gravel (%)	25.00	28.33	30.00	13.33	30.00	1.00	15.00	40.00	16.67	10.33
Boulders (%)	61.67	66.67	50.00	75.00	53.33	0.00	18.33	43.33	10.00	40.00
Silt (%)	0.00	0.00	0.00	0.00	0.00	8.33	0.00	0.00	0.00	0.00
OM (g)	3.95	12.03	15.92	18.97	11.51	8.14	4.35	8.70	13.73	9.45
Phaeopigments (µg L ⁻¹)	2.19	2.80	2.46	1.97	1.06	0.15	1.13	1.84	0.77	0.65
Chlorophyll- <i>a</i> (µg L ⁻¹)	94.34	95.53	89.00	68.83	46.87	2.06	24.92	143.59	39.75	41.53
Riparian forest variables										
Tree basal (cm)	184.71	93.92	47.85	99.62	52.07	150.43	75.50	94.69	102.32	72.28
Tree size (m)	40.65	38.99	33.81	31.13	9.95	51.12	27.99	29.62	16.62	17.58
Tree top (m)	5.44	5.13	5.31	4.96	4.50	5.69	5.25	4.06	4.88	4.83
Tree dist. (cm)	2.00	2.30	2.33	2.49	2.24	2.36	2.40	2.14	2.40	2.48
Shrub basal (cm)	7.77	3.34	3.98	2.65	3.79	5.81	12.26	3.31	4.26	4.45
Shrub size (m)	0.42	0.16	0.26	0.12	0.21	0.51	1.01	0.34	0.25	0.26
Canopy cover (%)	97.50	91.25	88.13	91.25	91.25	91.25	88.13	73.75	79.38	91.25
Litter (%)	85.00	88.13	79.38	73.75	88.13	91.25	91.25	94.38	91.25	73.75
Green cover (%)	43.75	37.50	31.88	26.25	50.00	26.25	20.63	56.25	37.50	26.25
Uncovered soil (%)	15.00	11.88	20.63	26.25	11.88	8.75	8.75	5.63	8.75	26.25
Litter height (cm)	2.93	3.51	2.74	3.08	2.27	2.31	2.02	2.85	2.88	2.51
Litter biomass (g)	3.43	3.22	2.90	2.66	2.77	2.45	1.49	2.43	2.20	1.92