

Supplementary material

Cave lithology influencing EPT (Ephemeroptera, Plecoptera, Trichoptera) assemblages and habitat structure in south-eastern Brazil

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Table S1. List of the caves included in the study and their locations

Cave	Lithology	Extension (m)	Municipality	Coordinates
Loca D'água de Baixo Cave	Limestone	150	Pains	20°25'25.21"S, 45°41'33.39"W
Curiós Cave	Limestone	300	Doresópolis	20°18'11.98"S, 45°54'49.23"W
Meio Cave	Limestone	200	Cordisburgo	19°10'20.57"S, 44°18'42.56"W
Toca Cave	Quartzite	583	Carrancas	21°28'24.27"S, 44°40'3.01"W
Mandembe Cave	Quartzite	244	Luminárias	21°32'38.27"S, 44°47'57.03"W
Serra Grande Cave	Quartzite	229	Luminárias	21°33'33.29"S, 44°49'10.01"W

Table S2. List of the genera found in this study and their abundances

Taxon	Limestone		Quartzite				Total abundance
	Loca D'água de Baixo Cave	Curiós Cave	Meio Cave	Toca Cave	Mandembe Cave	Serra Grande Cave	
Ephemeroptera							292
Baetidae							
<i>Americabaetis</i> spp.	11	23	0	0	0	0	34
<i>Apobaetis</i> spp.	12	3	0	0	0	0	15
<i>Aturbina</i> spp.	4	0	0	0	0	0	4
<i>Cloeodes</i> spp.	0	0	0	0	3	5	8
<i>Cryptonympha</i> spp.	5	0	0	0	0	0	5
<i>Waltzophius</i> spp.	0	3	0	0	1	0	4
<i>Zelus</i> spp.	3	0	0	0	1	2	6
Caenidae							
<i>Brasilocaenis</i> spp.	1	0	0	0	0	0	1
<i>Caenis</i> spp.	13	0	0	0	0	0	13
Leptohyphidae							
<i>Leptohyphes</i> spp.	2	0	23	0	0	0	25
<i>Traverhyphes</i> spp.	110	0	33	0	0	0	143
<i>Tricoryphodes</i> spp.	3	0	0	0	0	0	3
Leptophlebiidae							
<i>Askola</i> spp.	0	0	0	0	0	1	1
<i>Farrodes</i> spp.	0	0	104	0	0	0	104
<i>Hagenulopsis</i> spp.	1	63	0	0	0	2	66
<i>Miroculis</i> spp.	0	0	0	0	1	0	1
<i>Thraulodes</i> spp.	0	0	8	0	0	0	8
Plecoptera							6
Gripopterygydae							
<i>Tupiperla</i> spp.	0	0	0	0	1	0	1
Perlidae							
<i>Anacroneuria</i> spp.	0	0	0	2	0	0	2
<i>Kempnyia</i> spp.	0	0	2	0	0	0	2
<i>Macrogynoplax</i> spp.	0	0	0	0	0	1	1
Trichoptera							58
Calamoceratidae							
<i>Phylloicus</i> spp.	0	0	0	1	0	1	2
Helicopsychidae							
<i>Helichopsyche</i> spp.	0	0	0	0	2	0	2
Hydrobiosidae							
<i>Atopsyche</i> spp.	0	0	0	0	2	0	2
Hydropsychidae							
<i>Anacroneuria</i> spp.	0	0	0	1	0	0	1

Taxon	Limestone				Quartzite		Total abundance
	Loca D'água de Baixo Cave	Curiós Cave	Meio Cave	Toca Cave	Mandembe Cave	Serra Grande Cave	
<i>Leptonema</i> spp.	0	0	10	3	0	0	13
<i>Macrostemum</i> spp.	0	0	0	0	1	0	1
<i>Smicridea</i> spp.	0	1	3	1	0	0	5
Hydroptilidae							
<i>Alisotrichia</i> spp.	0	0	0	0	5	0	5
<i>Neotrichia</i> spp.	0	0	0	0	9	5	14
Leptoceridae							
<i>Nectopsyche</i> spp.	0	0	0	0	1	0	1
<i>Oecetis</i> spp.	0	0	0	0	0	3	3
Odontoceridae							
<i>Barypenthus</i> spp.	0	0	0	0	1	0	1
<i>Marilia</i> spp.	1	0	0	0	0	0	1
Philopotamidae							
<i>Chimarra</i> spp.	0	0	2	0	0	0	2
Polycentropodidae							
<i>Cyrnellus</i> spp.	0	2	0	0	0	0	2
<i>Polycentropus</i> spp.	0	0	0	1	0	2	3
Total abundance	166	95	185	9	28	22	505
Total richness	6	6	8	6	12	9	37

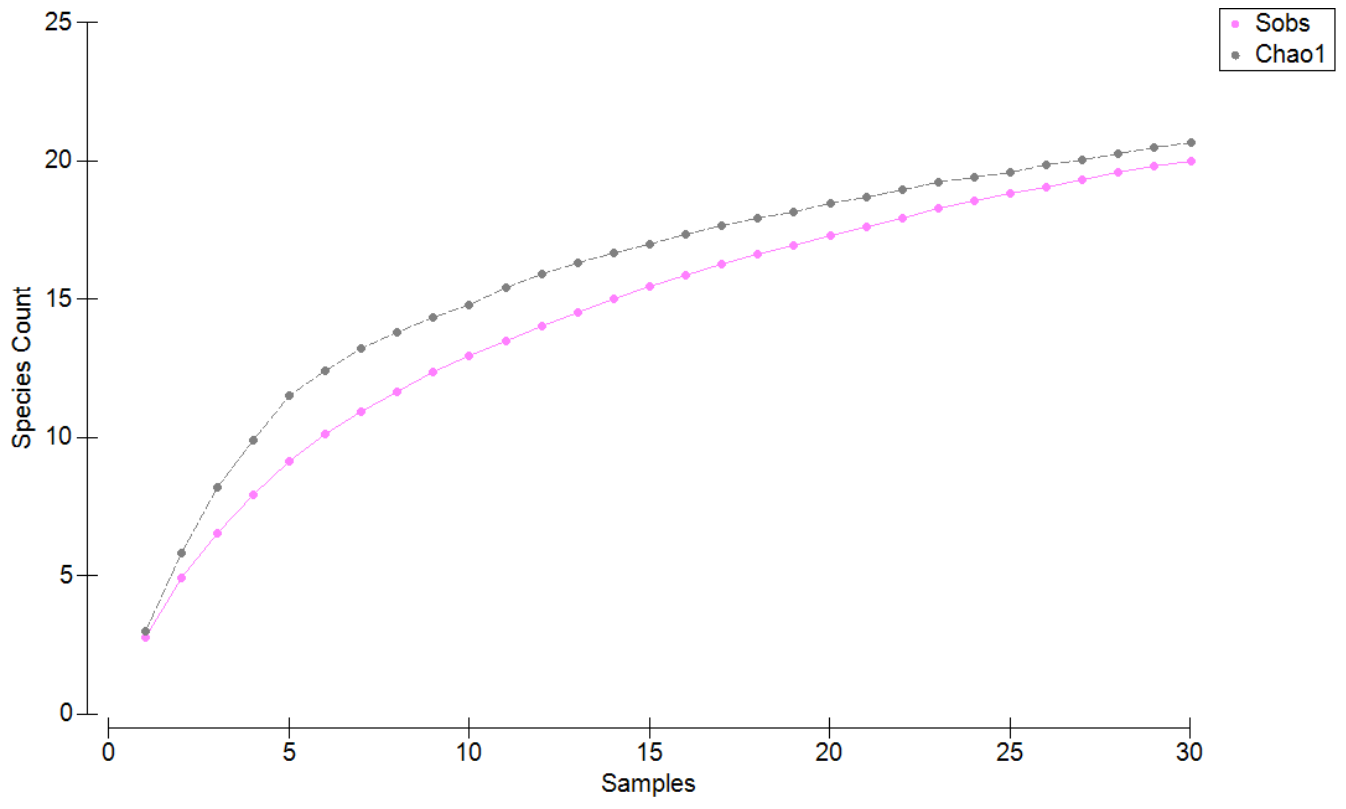


Fig. S1. Accumulation curve for limestone caves, showing observed species richness (pink) and Chao1 diversity estimator (grey).

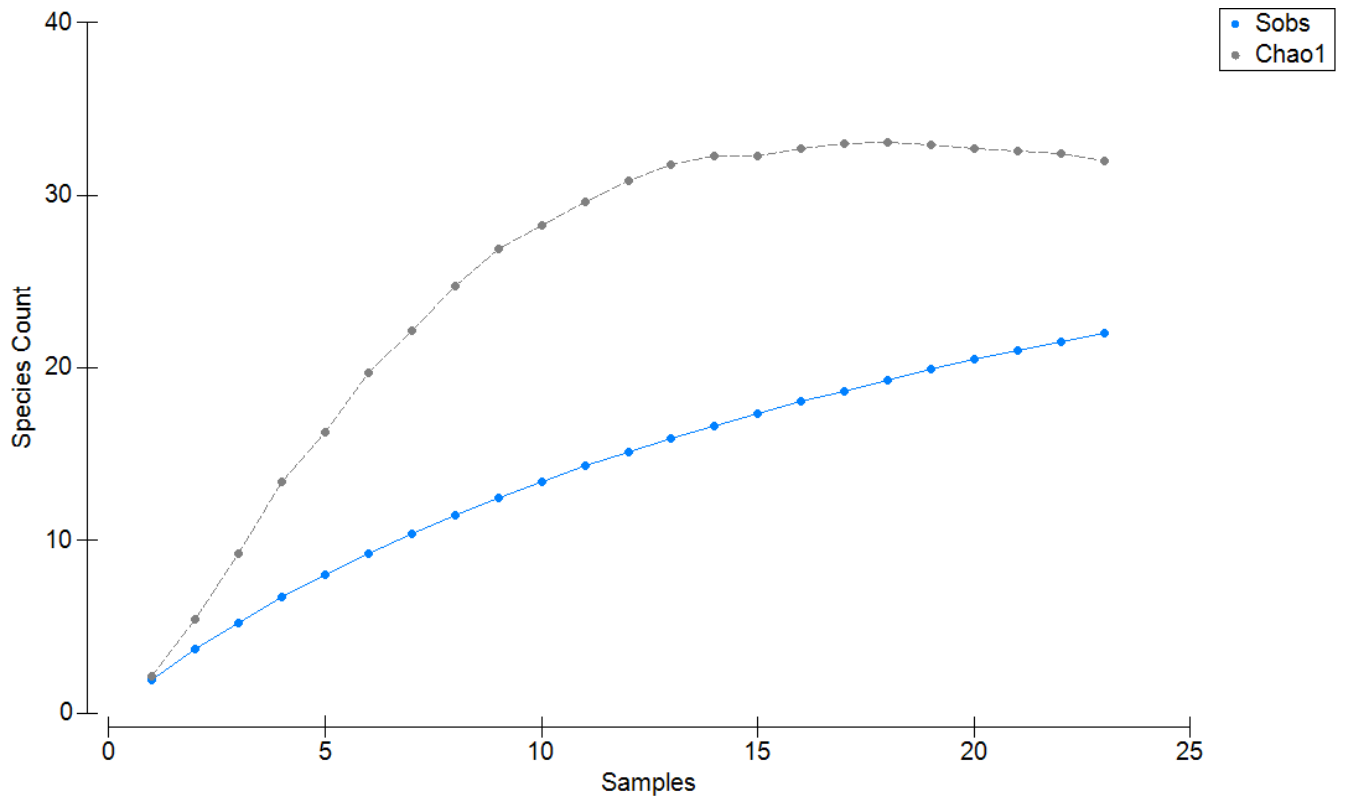


Fig. S2. Accumulation curve for quartzitic caves, showing observed species richness (blue) and Chao1 diversity estimator (grey).