

Supplementary material

Environmental factors structuring the assemblage of aquatic insects in an epigean and hypogean stretch of a Neotropical karst stream

V. M. Martins^{A,B} and R. L. Ferreira^A

^ACentro de Estudos em Biologia Subterrânea, Departamento de Ecologia e Conservação, Universidade Federal de Lavras, Campus Universitário, 3037, CEP 37200-000, Lavras, MG, Brazil.

^BCorresponding author. Email: vanessa.belbelita@gmail.com

Table S1. Abundance of aquatic insects collected in Lapa Grande State Park in the epigean and hypogean environment (Boqueirão da Nascente cave)

Order	Family	Species	Epigean	Entrance	Hypogean
Coleoptera	Dytiscidae	<i>Pachydrus</i> sp.	6	0	4
	Elmidae	<i>Heterelmis</i> sp.	16	0	7
	Elmidae	<i>Hexacylloepus</i> sp.	94	0	10
	Elmidae	<i>Macrelmis</i> sp.	1	1	0
	Elmidae	<i>Microcyloepus</i> sp.	0	0	2
	Elmidae	<i>Xenelmis</i> sp.	18	0	3
Diptera	Ceratopogonidae	<i>Ceratopogonidae</i> sp.	378	0	40
	Chaoboridae	<i>Ablabesmyia</i> sp.	33	0	1
	Chironomidae	<i>Aedokritus</i> sp.	6	0	0
	Chironomidae	<i>Apedium</i> sp.	1	0	0
	Chironomidae	<i>Caladomyia</i> sp.	145	0	0
	Chironomidae	<i>Chaoboridae</i> sp.1	0	0	1
	Chironomidae	<i>Chironomidae</i> sp.1	1	0	3
	Chironomidae	<i>Chironomidae</i> sp.2	1	0	0
	Chironomidae	<i>Chironomus</i> sp.	11	0	0
	Chironomidae	<i>Coelotanypus</i> sp.	7	0	0
	Chironomidae	<i>Constempellina</i> sp.	1	0	0
	Chironomidae	<i>Corynoneura</i> sp.	2	0	4
	Chironomidae	<i>Cricotopus</i> sp.	2	1	0
	Chironomidae	<i>Cryptochironomus</i> sp.	1	0	0
	Chironomidae	<i>Denopelopia</i> sp.	1	0	0
	Chironomidae	<i>Djalmabatista</i> sp.	43	0	8
	Chironomidae	<i>Dricrotendipes</i> sp.	0	0	1
	Chironomidae	<i>Endotribelus</i> sp.	3	0	0
	Chironomidae	<i>Fissimentum</i> sp.	2	0	0
	Chironomidae	<i>Fittkauimyia</i> sp.	1	0	0
	Chironomidae	<i>Labrundinia</i> sp.	17	0	0
	Chironomidae	<i>Larsia</i> sp.	9	0	1
	Chironomidae	<i>Lauterboniella</i> sp.	74	0	0
	Chironomidae	<i>Microchironomus</i> sp.	2	0	0
	Chironomidae	<i>Nanocladius</i> sp.	2	0	0
	Chironomidae	<i>Nilothauma</i> sp.	4	0	0
	Chironomidae	<i>Parachironomus</i> sp.	41	0	0
	Chironomidae	<i>Paracladius</i> sp.	14	1	0
	Chironomidae	<i>Parakiefferiella</i> sp.	24	0	0
	Chironomidae	<i>Paralauterboniella</i> sp.	3	0	0
	Chironomidae	<i>Parapentaneura</i> sp.	3	0	0
	Chironomidae	<i>Pararchironomus</i> sp.	12	0	0

Order	Family	Species	Epigean	Entrance	Hypogean	
Diptera (<i>cont.</i>)	Chironomidae	<i>Paratanytarsus</i> sp.	10	3	0	
	Chironomidae	<i>Pentaneura</i> sp.	10	0	0	
	Chironomidae	<i>Phaenopsectra</i> sp.	1	0	0	
	Chironomidae	<i>Polipediis</i> sp.	2	0	0	
	Chironomidae	<i>Polypedilum</i> sp.	34	0	1	
	Chironomidae	<i>Procladius</i> sp.	18	1	0	
	Chironomidae	<i>Pseudochironomus</i> sp.	3	0	0	
	Chironomidae	<i>Riethia</i> sp.	12	0	0	
	Chironomidae	<i>Saetheria</i> sp.	3	0	0	
	Chironomidae	<i>Stempellinela</i> sp.	5	0	0	
	Chironomidae	<i>Stenochironomus</i> sp.	69	0	1	
	Chironomidae	<i>Tanypus</i> sp.	5	0	0	
	Chironomidae	<i>Tanytarsus</i> sp.	58	0	4	
	Chironomidae	<i>Thienemannimyia</i> sp.	5	1	0	
	Chironomidae	<i>Ubatubaneura</i> sp.	2	0	0	
	Chironomidae	<i>Xestochironomus</i> sp.	13	0	2	
	Chironomidae	<i>Zavreliella</i> sp.	3	0	0	
	Chironomidae	<i>Zavrelimyia</i> sp.	1	0	0	
	Empididae	<i>Empididae</i> sp.	2	0	0	
	Ephemeroptera	Baetidae	<i>Baetidae</i> sp.	2	0	0
Baetidae		<i>Callibaetis</i> sp.	7	0	0	
Baetidae		<i>Callibaetoides</i> sp.	12	0	0	
Baetidae		<i>Paracleodes</i> sp.	8	0	0	
Baetidae		<i>Waltzoyphius</i> sp.	2	0	1	
Caenidae		<i>Brasilocaenis</i> sp.	9	0	0	
Caenidae		<i>Caenis</i> sp.	12	0	0	
Leptohyphidae		<i>Hagenulopsis</i> sp.	1	0	0	
Leptohyphidae		<i>Leptohyphidae</i> sp.	1	0	0	
Leptohyphidae		<i>Traverhyphes</i> sp.	17	0	1	
Leptohyphidae		<i>Tricorythodes</i> sp.	0	0	1	
Leptophlebiidae		<i>Leptophlebiidae</i> sp.	1	0	0	
Leptophlebiidae		<i>Miroculus</i> sp.	3	0	0	
Leptophlebiidae		<i>Ulmeritoides</i> sp.	5	0	0	
Hemiptera		Corixidae	<i>Tenagobia</i> sp.	1	0	0
	Naucoridae	<i>Limnocoris</i> sp.	4	0	0	
	Notonectidae	<i>Notonecta</i> sp.	1	0	0	
	Pleidae	<i>Neoplea</i> sp.	17	0	1	
	Veliidae	<i>Microvelia</i> sp.	0	0	1	
	Veliidae	<i>Rhagovelia</i> sp.	1	0	0	
Megaloptera	Corydalidae	<i>Chloronia</i> sp.	2	0	0	
	Corydalidae	<i>Corydalidae</i> sp.	5	0	0	
	Sialidae	<i>Protosialis</i> sp.	8	0	0	
Odonata	Corduliidae	<i>Navixcrdulia</i> sp.	1	0	2	
	Coenagrionidae	<i>Argia</i> sp.	23	0	0	
	Dicteriadidae	<i>Heliocaris</i> sp.	1	0	0	
	Gomphidae	<i>Archaeogomphus</i> sp.	2	0	0	
	Gomphidae	<i>Desmogomphus</i> sp.	1	0	0	
	Gomphidae	<i>Gomphoides</i> sp.	4	0	0	
	Gomphidae	<i>Peruviogomphus</i> sp.	1	0	0	
	Gomphidae	<i>Phyllocycla</i> sp.	1	0	0	
	Gomphidae	<i>Phyllogomphoides</i> sp.	9	0	0	
	Gomphidae	<i>Phyllogomphus</i> sp.	4	0	0	
	Gomphidae	<i>Zonophora</i> sp.	1	0	0	
	Libellulidae	<i>Brechmorhoga</i> sp.	2	0	0	
	Libellulidae	<i>Erythrodiplax</i> sp.	1	0	0	
	Libellulidae	<i>Libellula</i> sp.	2	0	0	
	Libellulidae	<i>Orthemis</i> sp.	2	0	0	
	Perilestidae	<i>Perilestes</i> sp.	12	0	0	
	Trichoptera					

Order	Family	Species	Epigean	Entrance	Hypogean
	Calamoceratidae	<i>Phylloicus</i> sp.	8	0	0
	Ecnomidae	<i>Austrotinodes</i> sp.	6	0	0
	Hydropsychidae	<i>Macronema</i> sp.	9	0	0
	Leptoceridae	<i>Triplectides</i> sp.	1	0	0
	Philopotamidae	<i>Chimarra</i> sp.	1	0	0
	Polycentropodidae	<i>Polycentropus</i> sp.	11	0	0
Total			1457	8	100