

## Supplementary material

### Effect of key water quality variables on macroinvertebrate and fish communities within naturally acidic wallum streams

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**Table S1. List of macroinvertebrate taxa found with average (calculated as April + September) number of specimens recorded for each site**

Taxa in lower case indicate family identification. Asterisks indicate some specimens were too small to

ID past order

	Mid-pH cluster						Low-pH cluster					
	W1	W2	W3	S1	S2	S3	A1	A2	A3	F1	F2	F3
NEMATODA	3	6	0	0	1	1	1	0	4	1	1	0
NEMERTEA	0	0	0	0	0	3	0	0	0	0	0	0
OLIGOCHAETA	11	28	26	12	11	36	35	13	9	22	9	12
HIRUDINEA	0	0	1	0	0	0	0	0	0	0	0	0
HYDRA	0	0	0	0	0	0	0	0	0	1	0	0
ACARINA	24	9	14	13	3	1	2	20	1	5	24	7
DECAPODA												
Atyidae	62	8	24	57	4	20	0	0	0	0	1	0
Palaemonidae	0	1	5	0	0	0	0	0	0	0	0	0
Parastacidae	0	0	0	0	0	0	7	2	1	2	5	2
COLLEMBOLA	0	0	0	0	1	0	0	1	1	0	1	0
PLECOPTERA												
Gripopterygidae	0	0	0	3	0	1	28	1	6	0	0	0
EPHEMEROPTERA												
Baetidae	0	0	0	1	0	45	0	3	0	0	1	1
Caenidae	0	0	0	68	0	1	0	0	0	0	0	2
Leptophlebiidae	13	13	6	4	1	5	18	0	3	0	0	0
ODONATA*	2	0	0	5	3	3	0	5	0	0	0	0
Austrocorduliidae	2	0	0	0	0	0	0	0	0	0	0	0
Coenagrionidae	0	0	0	0	0	0	0	0	0	0	1	1
Gomphidae	24	9	6	0	0	0	0	0	0	0	0	0
Hypolestidae	0	0	0	0	0	0	1	0	0	0	0	0
Isostictidae	2	0	0	0	0	0	0	0	0	0	2	0
Libellulidae	11	1	3	3	2	5	0	3	0	1	3	2
Macromiidae	1	0	0	3	0	0	0	1	0	1	2	1
Oxygastridae	0	0	0	0	0	0	0	1	0	0	0	0
Synthemistidae	0	0	0	0	0	0	0	0	0	2	0	0
Telephlebiidae	0	0	0	0	0	0	2	0	0	0	0	0
Corixidae	0	0	95	0	0	0	3	6	1	0	1	0

	Mid-pH cluster						Low-pH cluster					
	W1	W2	W3	S1	S2	S3	A1	A2	A3	F1	F2	F3
<b>HEMIPTERA</b>												
Gerridae	0	0	0	0	0	0	0	2	0	0	0	5
Nepidae	0	0	0	0	0	0	0	0	0	0	1	0
Notonectidae	0	0	0	1	0	0	0	5	0	0	7	6
Veliidae	0	0	1	0	0	0	0	1	1	0	2	1
<b>MEGALOPTERA</b>												
Corydalidae	0	0	0	0	0	0	1	0	0	0	0	0
Sialidae	0	0	0	0	0	0	0	0	1	0	0	0
<b>DIPTERA</b>												
Aphroteniinae	22	5	1	1	76	4	23	1	5	0	0	0
Ceratopogonidae	17	50	15	6	9	6	13	2	11	2	3	1
Chaoboridae	0	0	1	0	0	0	0	0	0	0	2	1
Chironominae	363	968	298	131	201	167	371	30	222	80	38	93
Culicidae	0	0	0	1	0	0	0	0	0	0	0	1
Dixidae	0	0	0	1	0	0	0	0	0	0	0	0
Dolichopodidae	2	0	0	0	0	0	0	0	0	1	1	0
Empididae	5	0	0	3	0	0	0	0	0	0	0	0
Orthoclaudiinae	21	2	7	293	5	241	38	15	35	1	1	2
Simuliidae	0	5	15	38	0	8	81	0	37	0	0	1
Tanypodinae	67	130	51	31	11	20	83	13	40	4	8	1
Tipulidae	0	0	0	0	0	0	2	0	0	1	0	0
<b>PYRALIDAE</b>												
Pyralidae	0	0	0	0	1	8	1	0	0	1	1	1
<b>TRICHOPTERA</b>												
Atriplectididae	0	5	0	0	0	0	0	0	0	0	0	0
Calocidae	0	0	3	0	0	0	0	0	0	0	0	0
Ecnomidae	13	4	0	3	1	8	8	1	16	0	0	0
Helicophidae	0	0	0	3	0	0	0	0	0	0	0	0
Helicopsychidae	0	0	1	0	0	0	0	0	0	0	0	0
Hydrobiosidae	0	0	0	3	0	0	0	0	0	0	0	0
Hydropsychidae	3	1	8	18	0	6	0	0	0	0	0	0
Hydroptilidae	2	6	0	1	1	1	10	4	7	0	0	0
Leptoceridae	45	60	56	29	16	12	26	4	13	0	3	1
Odontoceridae	0	0	1	0	0	0	0	0	0	0	0	0
Polycentropodidae	0	0	0	3	0	0	0	0	0	0	0	0
Tasimiidae	0	0	0	0	0	0	0	0	0	0	0	1
<b>COLEOPTERA</b>												
Dytiscidae	2	0	0	3	0	0	0	3	0	0	9	5
Elmidae	33	10	16	1	0	0	0	0	0	0	0	0
Hydraenidae	2	0	2	3	1	0	0	0	0	0	0	1
Hydrophilidae	0	0	3	3	2	0	0	0	0	0	0	0
Hygrobiiidae	1	0	0	0	0	0	0	1	0	0	0	0
Psephenidae	2	0	0	0	0	0	2	0	0	0	1	0
Scirtidae	0	1	0	8	1	0	35	6	25	0	0	1