

Supplementary Tab. S2. List of copepod species found in temporary habitats.

() = number of samples found in each habitat type; habitat type: C = canal, P = pond, PS = peat swamp, RF = rice field, S = swamp; rainfall levels: H = high rainfall, L = low rainfall, M = moderate rainfall.

No.	Species list	Occurrence sites (see Fig. 1 and Tab. S1 for a list of the sampled habitats)	Habitat types	Rainfall levels
	Order Calanoida			
	Family Diaptomidae Baird, 1850			
1	<i>Allodiaptomus raoi</i> Kiefer, 1936	38	RF ⁽¹⁾	M
2	<i>Dentodiaptomus javanus</i> (Grochmalicki, 1915)	21, 24, 38, 44, 48, 57, 58	C ⁽¹⁾ , P ⁽¹⁾ , RF ⁽²⁾ , S ⁽³⁾	M
3	<i>Eodiaptomus draconisignivomi</i> Brehm, 1952	19, 27, 60, 61	P ⁽²⁾ , PS ⁽²⁾	H, M
4	<i>E. phuphanensis</i> Sanoamuang, 2001	29, 37, 39	P ⁽¹⁾ , RF ⁽²⁾	M
5	<i>E. sanoamuangae</i> Ranga Reddy & Dumont, 1998	39	RF ⁽¹⁾	M
6	<i>Heliodiaptomus elegans</i> Kiefer, 1935	19, 20, 21, 22, 27, 30	C ⁽¹⁾ , P ⁽²⁾ , RF ⁽²⁾ , S ⁽¹⁾	M
7	<i>Mongolodiaptomus botulifer</i> (Kiefer, 1974)	4, 5, 6, 7, 9, 10, 12, 14, 19, 27, 30, 31, 34, 37, 39, 43, 44, 47, 49, 54, 56, 60, 61, 64, 66, 67, 68, 69, 81, 84, 86	C ⁽⁵⁾ , P ⁽⁵⁾ , PS ⁽⁶⁾ , RF ⁽⁴⁾ , S ⁽¹¹⁾	H, L, M
8	<i>M. calcarus</i> (Shen & Tai, 1965)	3, 9, 14, 28, 38, 40, 49	P ⁽²⁾ , RF ⁽²⁾ , S ⁽³⁾	L, M
9	<i>M. dumonti</i> Sanoamuang, 2001	3, 7, 9, 14, 38, 40, 45, 49, 58	P ⁽²⁾ , RF ⁽³⁾ , S ⁽⁵⁾	L, M
10	<i>M. malaindosinensis</i> (Lai & Fernando, 1978)	4, 14, 16, 18, 19, 23, 25, 26, 27, 28, 34, 39, 43, 44, 45, 46, 47, 49, 51, 52, 54, 56, 60, 61	C ⁽²⁾ , P ⁽⁸⁾ , PS ⁽²⁾ , RF ⁽²⁾ , S ⁽¹⁰⁾	H, L, M
11	<i>M. rarus</i> (Ranga Reddy, Sanoamuang & Dumont, 1998)	24	P ⁽¹⁾	M
12	<i>M. uenoi</i> (Kikuchi K., 1936)	27	P ⁽¹⁾	M
13	<i>M. pectinidactylus</i> (Shen & Tai, 1964)	20	RF ⁽¹⁾	M
14	<i>Neodiaptomus laii</i> Kiefer, 1974	21, 36, 38, 45, 57, 58	RF ⁽³⁾ , S ⁽³⁾	M
15	<i>N. yangtsekiangensis</i> Mashiko, 1951	21, 26, 27, 47, 51, 52, 53, 54, 56, 58, 60, 61, 68, 69	P ⁽²⁾ , PS ⁽²⁾ , RF ⁽³⁾ , S ⁽⁷⁾	H, M
16	<i>Phyllodiaptomus (Phyllodiaptomus) christineae</i> Dumont, Ranga Reddy & Sanoamuang, 1996	39	RF ⁽¹⁾	M
17	<i>P. (Ctenodiaptomus) praedictus praedictus</i> Dumont & Ranga Reddy, 1994	4, 15, 83	C ⁽¹⁾ , P ⁽¹⁾ , S ⁽¹⁾	L, M
18	<i>P. (Phyllodiaptomus) roietensis</i> Sanoamuang & Watiroyram, 2020	39, 40, 62, 63, 65, 66, 67	PS ⁽⁵⁾ , RF ⁽²⁾	L, M
19	<i>P. (Ctenodiaptomus) surinensis</i> Sanoamuang & Yindee, 2001	37, 39, 48, 49	RF ⁽²⁾ , S ⁽²⁾	M
20	<i>Tropodiaptomus longiprocessus</i> Saetang & Maiphae, 2023	71, 72	S ⁽²⁾	M

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21	<i>T. megahyaline</i> Saetang, Sanoamuang & Maiphae, 2021	20, 21	RF ⁽²⁾	M
22	<i>T. oryzanus</i> Kiefer, 1937	38, 49, 57, 58	RF ⁽¹⁾ , S ⁽³⁾	M
23	<i>T. pedecrassum</i> Saetang & Maiphae, 2023	1, 3	S ⁽²⁾	L
24	<i>T. sirindhornae</i> Saetang & Maiphae, 2025	20, 37, 39, 88, 89	RF ⁽³⁾ , S ⁽²⁾	L, M
25	<i>T. vicinus</i> (Kiefer, 1930)	34, 35, 36, 42, 45, 46, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 60, 61, 63, 67, 68	C ⁽¹⁾ , PS ⁽⁴⁾ , RF ⁽²⁾ , S ⁽¹⁵⁾	H, M
26	<i>Tropodiptomus</i> sp.1	27	P ⁽¹⁾	M
27	<i>Vietodiptomus blachei</i> (Brehm, 1951)	38	RF ⁽¹⁾	M
28	Unknown 1	37, 45, 48, 49, 62	PS ⁽¹⁾ , RF ⁽²⁾ , S ⁽²⁾	M
	Family Pseudodiptomidae Sars G.O., 1902			
29	<i>Pseudodiptomus dauglishi</i> Sewell, 1932	79, 80, 81	C ⁽³⁾	L, M
	Family Cyclopidae Rafinesque, 1815			
30	<i>Cryptocyclops</i> sp.1	15, 22, 29, 30, 37, 43, 46, 51, 57, 58, 59, 60, 63, 64, 67	C ⁽²⁾ , P ⁽³⁾ , PS ⁽⁴⁾ , RF ⁽¹⁾ , S ⁽⁶⁾	H, M
31	<i>Cryptocyclops</i> sp.2	22, 25, 46, 51, 59, 60, 63, 64, 65	P ⁽¹⁾ , PS ⁽⁴⁾ , S ⁽⁴⁾	H, M
32	<i>Cryptocyclops</i> sp.3	2, 3, 12, 15, 19, 35, 46, 50, 54, 60, 63, 67, 86	P ⁽³⁾ , PS ⁽⁴⁾ , S ⁽⁶⁾	H, L, M
33	<i>Ectocyclops phaleratus</i> (Koch, 1838)	22, 34, 36, 46, 51, 52, 59, 63, 64	PS ⁽²⁾ , S ⁽⁷⁾	H, M
34	<i>E. rubescens</i> Brady, 1904	1, 2, 3, 7, 12, 15, 22, 23, 27, 30, 34, 35, 36, 37, 46, 48, 50, 51, 55, 59, 60, 61, 64, 65, 71, 75, 78, 87, 88, 89	C ⁽¹⁾ , P ⁽³⁾ , PS ⁽⁴⁾ , RF ⁽¹⁾ , S ⁽²¹⁾	H, L, M
35	<i>Eucyclops (Denticyclops) euacanthus cognatus</i> Kiefer, 1929	80	C ⁽¹⁾	L
36	<i>E. (Eucyclops) serrulatus serrulatus</i> (Fischer, 1851)	3, 8, 12, 19, 22, 32, 48, 51, 60, 61, 62, 72, 86	C ⁽¹⁾ , P ⁽²⁾ , PS ⁽⁴⁾ , S ⁽⁶⁾	H, L, M
37	<i>Macrocyclops neuter</i> Kiefer, 1931	35, 51	S ⁽²⁾	M
38	<i>Mesocyclops affinis</i> van de Velde, 1987	3, 5, 6, 8, 9, 12, 18, 19, 21, 23, 25, 26, 28, 30, 31, 32, 33, 34, 35, 36, 37, 38, 44, 46, 48, 49, 50, 51, 52, 54, 55, 56, 57, 58, 59, 60, 61, 63, 64, 65, 66, 67, 78, 84, 85, 86, 87, 88, 89	C ⁽⁵⁾ , P ⁽⁷⁾ , PS ⁽⁹⁾ , RF ⁽³⁾ , S ⁽²⁵⁾	H, L, M
39	<i>M. aspericornis</i> (Daday, 1906)	1, 3, 8, 12, 13, 18, 22, 26, 29, 38, 39, 41, 45, 46, 47, 48,	C ⁽¹⁾ , P ⁽⁷⁾ , PS ⁽³⁾ , RF ⁽³⁾ , S ⁽¹¹⁾	H, L, M

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		54, 56, 57, 58, 60, 61, 82, 84, 85		
40	<i>M. (Mesocyclops) ferjemurami</i> Holynska & Nam, 2000	1, 3, 13, 49, 54, 55, 56, 57, 58	P ⁽¹⁾ , S ⁽⁸⁾	L, M
41	<i>M. francisci</i> Holynska, 2000	63, 65	PS ⁽²⁾	M
42	<i>M. microlasius</i> Kiefer, 1981	1, 5, 6	S ⁽³⁾	L, M
43	<i>M. ogunnus</i> Onabamiro, 1957	15, 21, 22, 30, 31, 40, 46, 50, 51, 52, 53, 54, 56, 60, 63, 65, 67, 68, 69, 83, 84	C ⁽³⁾ , P ⁽²⁾ , PS ⁽⁴⁾ , RF ⁽⁴⁾ , S ⁽⁸⁾	H, L, M
44	<i>M. (Mesocyclops) papuensis</i> van de Velde, 1987	8, 22, 23, 34, 35, 36, 51, 55, 56, 60, 61, 62, 64, 66, 67, 87, 88, 89	PS ⁽⁶⁾ , S ⁽¹²⁾	H, L, M
45	<i>M. (Mesocyclops) pehpeiensis</i> Hu, 1943	71	S ⁽¹⁾	M
46	<i>M. (Tethymesocyclops) splendidus</i> Lindberg, 1943	35, 36	S ⁽²⁾	M
47	<i>M. thermocyclopoides thermocyclopoides</i> Harada, 1931	3, 5, 6, 7, 9, 19, 21, 30, 31, 34, 37, 38, 40, 43, 44, 45, 47, 49, 50, 52, 53, 54, 57, 58, 60, 61, 64, 84	C ⁽⁴⁾ , P ⁽²⁾ , PS ⁽³⁾ , RF ⁽⁵⁾ , S ⁽¹⁴⁾	H, L, M
48	<i>Mesocyclops woutersi</i> van de Velde, 1987	3, 4, 5, 6, 15, 28, 29, 52, 85, 86	P ⁽³⁾ , PS ⁽²⁾ , S ⁽⁵⁾	L, M
49	<i>Metacyclops</i> sp.	9	S ⁽¹⁾	M
50	<i>Microcyclops varicans varicans</i> (Sars G.O., 1863)	3, 4, 6, 12, 15, 19, 21, 22, 28, 30, 31, 33, 34, 35, 36, 42, 47, 49, 50, 51, 52, 54, 55, 56, 57, 58, 59, 60, 61, 67, 84	C ⁽⁴⁾ , P ⁽⁵⁾ , PS ⁽³⁾ , RF ⁽¹⁾ , S ⁽¹⁸⁾	H, L, M
51	<i>Microcyclops</i> sp.1	33, 34, 35, 36, 37, 38, 46, 48, 49, 54, 55, 56, 57, 58, 59, 60, 61, 67	C ⁽¹⁾ , PS ⁽³⁾ , RF ⁽²⁾ , S ⁽¹²⁾	H, M
52	<i>Microcyclops</i> sp.2	1, 7, 13, 15, 18, 19, 21, 26, 28, 29, 30, 32, 33, 37, 40, 42, 46, 47, 49, 51, 54, 56, 57, 58, 59, 60, 61, 62, 65, 67	C ⁽⁴⁾ , P ⁽⁷⁾ , PS ⁽⁵⁾ , RF ⁽³⁾ , S ⁽¹¹⁾	H, L, M
53	<i>Microcyclops</i> sp.3	30, 34, 36, 44, 50, 51, 52, 53, 54, 63, 64, 65, 67, 87, 89	C ⁽²⁾ , PS ⁽⁴⁾ , S ⁽⁹⁾	H, M
54	<i>Microcyclops</i> sp.4	38, 40, 46	RF ⁽²⁾ , S ⁽¹⁾	M
55	<i>Microcyclops</i> sp.5	36, 56	S ⁽²⁾	M
56	<i>Paracyclops affinis</i> (Sars G.O., 1863)	22, 31, 34, 35, 46, 67	C ⁽¹⁾ , PS ⁽¹⁾ , S ⁽⁴⁾	M
57	<i>P. fimbriatus fimbriatus</i> (Fischer, 1853)	1, 22, 51, 55, 59	S ⁽⁵⁾	L, M
58	<i>Thermocyclops crassus crassus</i> (Fischer,	4, 6, 10, 18, 23, 30,	C ⁽³⁾ , P ⁽¹⁾ , PS ⁽⁷⁾ ,	H, L, M

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	1853)	34, 35, 36, 37, 42, 43, 50, 51, 54, 55, 56, 57, 58, 60, 63, 64, 66, 67, 85, 86, 88, 89	RF ⁽¹⁾ , S ⁽¹⁶⁾	
59	<i>T. decipiens</i> (Kiefer, 1929)	1, 2, 3, 6, 9, 15, 19, 41, 57, 82, 86	C ⁽¹⁾ , P ⁽³⁾ , PS ⁽¹⁾ , S ⁽⁶⁾	L, M
60	<i>T. maheensis</i> Lindberg, 1941	6	S ⁽¹⁾	M
61	<i>T. oryzae</i> Saetang, Koompoot, Watiroyram & Maiphae, 2024	55	S ⁽¹⁾	M
62	<i>T. rylovi rylovi</i> (Smirnov, 1928)	12, 27, 38, 40, 49, 57, 58	P ⁽²⁾ , RF ⁽⁶⁾ , S ⁽³⁾	L, M
63	<i>T. wolterecki</i> Kiefer, 1938	18, 19, 26, 28, 29, 30, 43, 60, 63, 67, 85, 86	C ⁽²⁾ , P ⁽⁵⁾ , PS ⁽⁵⁾	H, L, M
64	<i>Tropocyclops prasinus prasinus</i> (Fischer, 1860)	22, 30, 50, 59, 60, 63, 65, 66, 67, 74, 75	C ⁽¹⁾ , PS ⁽⁵⁾ , S ⁽⁵⁾	H, L, M
	Order Harpacticoida Sars G.O., 1903			
	Family Ameiridae Boeck, 1865			
65	<i>Nitocra</i> sp.	31	C ⁽¹⁾	M
	Family Canthocamptidae Brady, 1880			
66	<i>Elaphoidella bidens bidens</i> (Schmeil, 1893)	22, 59, 67	PS ⁽¹⁾ , S ⁽²⁾	M
67	<i>E. intermedia</i> Chappuis, 1931	46	S ⁽¹⁾	M
68	<i>E. superpedalis</i> Shen & Tai, 1964	30, 31	C ⁽²⁾	M
69	<i>Elaphoidella</i> sp.1	9, 19, 22, 59, 63, 64, 85, 86	P ⁽¹⁾ , PS ⁽⁴⁾ , S ⁽³⁾	H, L, M
70	<i>Elaphoidella</i> sp.2	59	S ⁽¹⁾	M
71	<i>Elaphoidella</i> sp.3	34	S ⁽¹⁾	M
	Family Laophontidae Scott T., 1905			
72	<i>Onychocamptus mohammed</i> (Blanchard & Richard, 1891)	60	PS ⁽¹⁾	H
73	<i>O. tratensis</i> Boonyanusith, Saetang, Wongkamheng & Maiphae, 2018	60	PS ⁽¹⁾	H
	Family Parastenocarididae Chappuis, 1940			
74	<i>Parastenocaris</i> sp.	63	PS ⁽¹⁾	M
	Family Phyllognathopodidae Gurney, 1932			
75	<i>Phyllognathopus paludosus</i> Mrázek, 1893	63, 64, 69	PS ⁽²⁾ , RF ⁽¹⁾	H, M