

CHAPTER 4

RESULTS

4.1 Thai Trichoptera Database

Each record was comprised of family code, family, genera code, genus, species, province, national park, collected site, geographical coordinates, elevation, date, month, day, year, collector, holotype, paratype, other types, number of individual (male), place of specimen deposition, and notes. To date, the secondary data and recent trichoptera sampling were filled 12,633 records from many sampling sites in Thailand. The major regions based on Malicky and Chantaramongkol, 1999 were showed (figure 4.1 and table 4.2). To date there are 28 families, 105 genera (table 4.1). and 1,004 species of which around 77% are new to science (figure 4.2).

A summary of species richness for families of Trichoptera in Thailand shows that the highest number of species are in families Leptoceridae (215 species), Hydroptilidae (127 species) and Hydropsychidae (119 species). In addition, the number of holotype species is highest in families Leptoceridae (157 species), Hydroptilidae (89 species), and Polycentropodidae (76 species) (see figure 4.3).

The summary of family distribution in each biotopes was showed by the number of species which were reported from each biotope types (figure 4.4). Each species was categorized into biotope distribution which showed frequency of occurrence in each biotope type and sum of occurrences. Moreover abundance was summarized monthly (table 4.3).

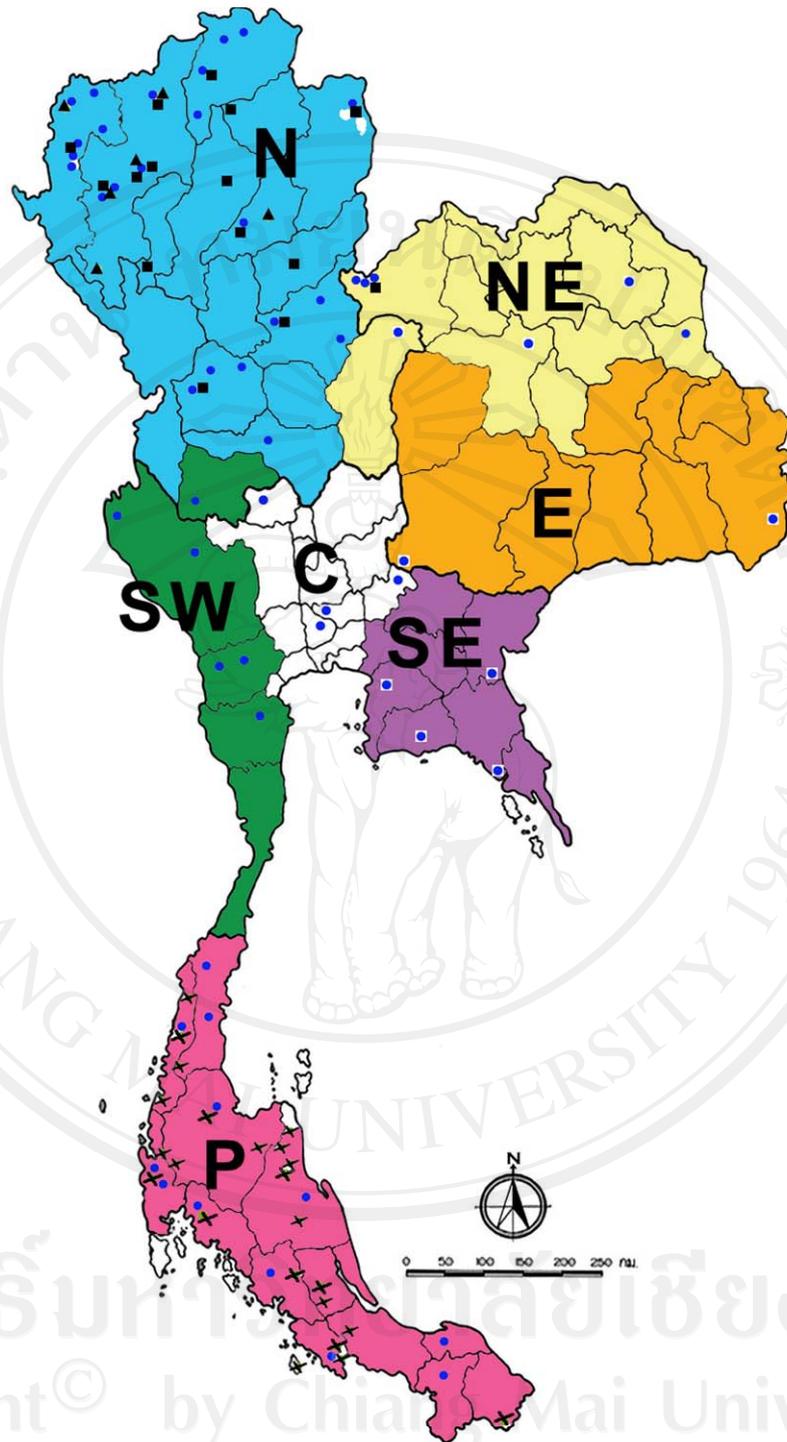


Figure 4.1 The location of sampling sites which were reported from 1987 - 2010 (the same symbols indicate the same studies) and distribution zone. Note: N = North, NE = Northeast, E = East, C = Central, SW = Southwest, SE = Southeast, C = Central and P = Peninsula (Malicky and Chantaramongkol, 1999).

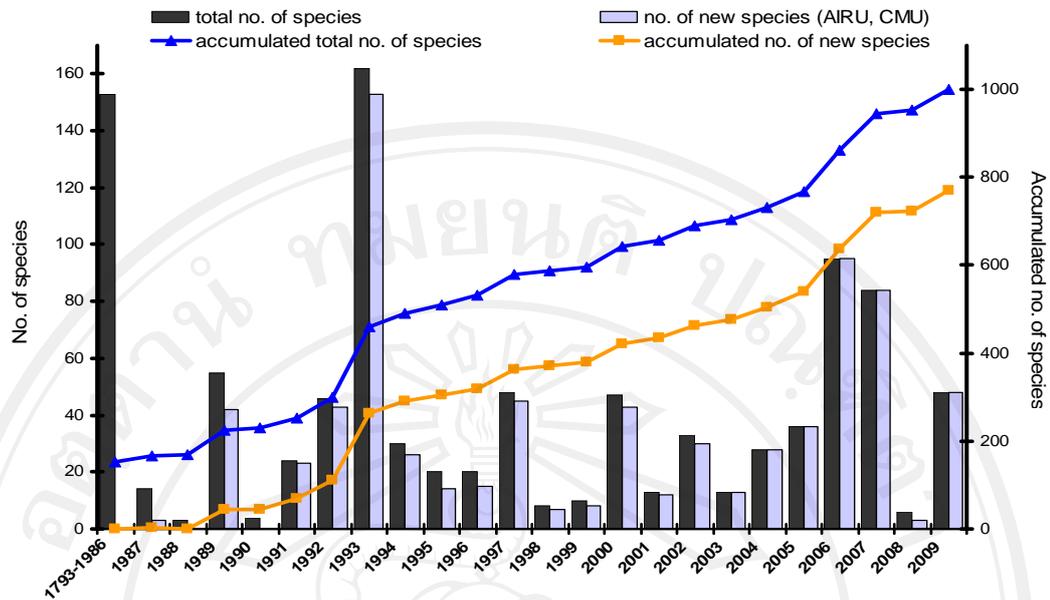


Figure 4.2 Total number of species (dark bar graph), total number of new species (light bar graph), yearly accumulated number of total species (line graph with triangle) and new species (line graph with rectangular) from 1987 - 2009 compared with prior information.

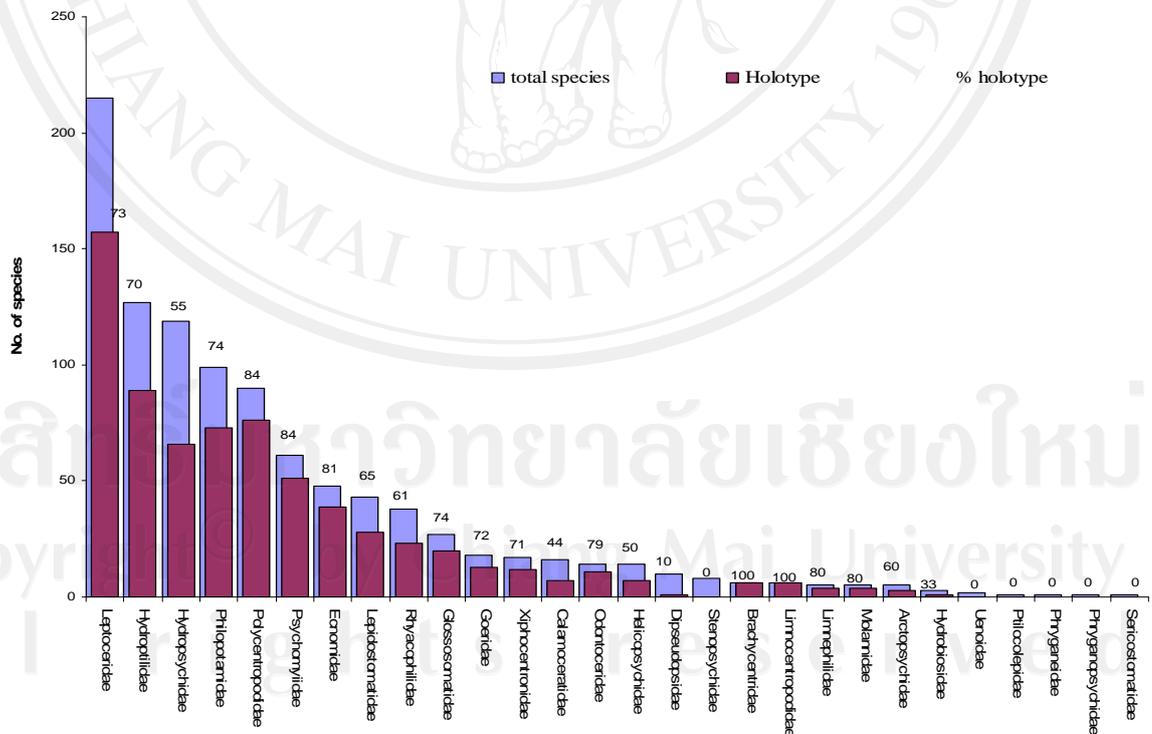


Figure 4.3 Number of species, number of holotype and ratio of each families which have represented in Thailand.

Table 4.1 List of family, family code, genera, genera code and number of species in each genera of Trichoptera in Thailand.

Fam. code	Family	Gen. code	Genera	No. of species
01	Rhyacophila	01	<i>Himalopsyche</i>	1
01		02	<i>Rhyacophila</i>	37
02	Hydrobiosidae	01	<i>Apsilochorema</i>	3
03	Ptilocolepidae	01	<i>Ptilocolepus</i>	1
04	Glossosomatidae	01	<i>Agapetus</i>	14
04		02	<i>Glossosoma</i>	4
04		03	<i>Nepaloptilidae</i>	3
04		04	<i>Padunia</i>	3
04		05	<i>Poeciloptila</i>	3
05	Hydroptilidae	01	<i>Chrysotrichia</i>	13
05		02	<i>Hellyethira</i>	2
05		03	<i>Hydroptila</i>	33
05		04	<i>Jabitrchia</i>	1
05		05	<i>Maetalaiptila</i>	1
05		06	<i>Maeyaptila</i>	1
05		07	<i>Microptila</i>	2
05		08	<i>Orthotrichia</i>	37
05		09	<i>Oxyethira</i>	4
05		10	<i>Parastactobia</i>	2
05		11	<i>Plethus</i>	9
05		12	<i>Saranganotrichia</i>	2
05		13	<i>Scelotrichia</i>	4
05		14	<i>Stactobia</i>	7
05		15	<i>Stactobiella</i>	1
05		16	<i>Sutheptila</i>	1
05		17	<i>Tricholeiochiton</i>	1
05		18	<i>Ugandatrichia</i>	5
06	Philopotamidae	01	<i>Chimarra</i>	63
06		02	<i>Dolophilodes</i>	5
06		03	<i>Gunungiella</i>	9
06		04	<i>Kisaura</i>	12
06		05	<i>Wormaldia</i>	12
07	Stenopsychidae	01	<i>Stenopsyche</i>	8
08	Polycentropodidae	01	<i>Kambaitipsyche</i>	1
08		02	<i>Pahamunaya</i>	4
08		03	<i>Crypnopsis</i>	1
08		04	<i>Nyctiophylax</i>	20
08		05	<i>Pseudoneureclipsis</i>	39
08		06	<i>Polyplectropus</i>	18
08		07	<i>Plectronemia</i>	8
09	Dipseudopsidae	01	<i>Dipseudopsis</i>	6

Table 4.1 continued

Fam. code	Family	Gen. code	Genera	No. of species
09		02	<i>Hyalopsyche</i>	2
09		03	<i>Phylocentropus</i>	2
10	Psychomyiidae	01	<i>Eoneureclipsis</i>	3
10		02	<i>Lype</i>	1
10		03	<i>Padunniella</i>	13
10		04	<i>Psychomyia</i>	24
10		05	<i>Tinodes</i>	20
11	Xiphocentronidae	01	<i>Abaria</i>	7
11		02	<i>Cnodocentron</i>	1
11		03	<i>Drepanocentron</i>	3
11		04	<i>Melanotrichia</i>	4
11		05	<i>Proxiphocentron</i>	2
12	Ecnomidae	01	<i>Ecnomus</i>	50
13	Arctopsychidae	01	<i>Arctopsyche</i>	2
13		02	<i>Maesaipsyche</i>	2
13		03	<i>Parapsyche</i>	1
14	Hydropsychidae	01	<i>Aethaloptera</i>	1
14		02	<i>Amphipsyche</i>	2
14		03	<i>Cheumatopsyche</i>	30
14		04	<i>Diplectrona</i>	8
14		05	<i>Hydromanicus</i>	13
14		06	<i>Hydropsyche</i>	30
14		07	<i>Macrostemum</i>	12
14		08	<i>Oestropsyche</i>	1
14		09	<i>Polymorphanus</i>	4
14		10	<i>Potamyia</i>	13
14		11	<i>Pseudoleptonema</i>	3
14		12	<i>Trichomacronema</i>	2
15	Phryganeidae	01	<i>Eubasilissa</i>	1
16	Phryganopsychidae	01	<i>Phryganopsyche</i>	1
17	Brachycentridae	01	<i>Micrasema</i>	6
18	Limnocentropodidae	01	<i>Limnocentropus</i>	6
19	Limnephilidae	01	<i>Moropsyche</i>	4
19		02	<i>Nothopsyche</i>	1
20	Goeridae	01	<i>Gastrocentrides</i>	1
20		02	<i>Goera</i>	16
20		03	<i>Larcasia</i>	1
21	Uenoidae	01	<i>Uenoa</i>	2
22	Lepidostomatidae	01	<i>Lepidostoma</i>	40
22		02	<i>Paraphlegopteryx</i>	2
22		03	<i>Zephyropsyche</i>	1
23	Leptoceridae	01	<i>Adicella</i>	20
23		02	<i>Athripsodes</i>	1

Table 4.1 continued

Fam. code	Family	Gen. code	Genera	No. of species
23		03	<i>Ceraclea</i>	15
23		04	<i>Leptocerus</i>	42
23		05	<i>Mystacides</i>	1
23		06	<i>Oecetis</i>	50
23		07	<i>Parasetodes</i>	1
23		08	<i>Poecilopsyche</i>	2
23		09	<i>Setodes</i>	62
23		10	<i>Tagalopsyche</i>	3
23		11	<i>Triaenodes</i>	11
23		12	<i>Trichosetodes</i>	7
23		13	<i>Triplectides</i>	1
24	Sericostomatidae	01	<i>Gumaga</i>	1
25	Helicopsychidae	01	<i>Helicopsyche</i>	14
26	Odontoceridae	01	<i>Inthanopsyche</i>	2
26		02	<i>Lannapsyche</i>	1
26		03	<i>Marilia</i>	3
26		04	<i>Phraepsyche</i>	1
26		05	<i>Psilotreta</i>	7
27	Calamoceratidae	01	<i>Anisocentropus</i>	10
27		02	<i>Ganonema</i>	5
27		03	<i>Georgium</i>	1
28	Molannidae	01	<i>Molanna</i>	1
28		02	<i>Molannodes</i>	4
			Total	1,004

Table 4.2 Species inventory of Trichoptera and their known distribution in Thailand (N = North, NE = Northeast, E = East, C = Central, SW = Southwest, SE = Southeast, C = Central and P = Peninsula) and neighbor countries in Southeast Asia (T=Thailand; C = Kambodscha; J = Jawa; L = Laos; S = Sumatra; V = Vietnam; And = Andamanen; Nik = Nikobaren and Bali) and reference (data from Malicky, 2010a).

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	known distribution in Thailand										Reference	
						T	C	J	L	S	V	P	And	Nik	Bali		
1	01	01	001	<i>Himalopsyche acharai</i> Malicky & Chantaramongkol 1989	N	✓											Nr. 3
2	01	02	001	<i>Rhyacophila bicolor doiangka</i> Malicky 1999	N	✓											Nr. 28
3	01	02	002	<i>Rhyacophila blenda</i> Malicky & Chantaramongkol 1993	N	✓											Nr. 12
4	01	02	003	<i>Rhyacophila cornuta</i> Kimmins 1953	N	✓			✓								
5	01	02	004	<i>Rhyacophila curvata</i> Morton 1900 (= <i>mortoni</i> Kimmins 1953, = <i>sumatrana</i> Ulmer 1930, = <i>suthepensis</i> Malicky 1987)	N	✓		✓		✓		✓				✓	
6	01	02	005	<i>Rhyacophila drokpo</i> Schmid 1970	N	✓											
7	01	02	006	<i>Rhyacophila drosampa</i> Schmid 1970	N	✓											
8	01	02	007	<i>Rhyacophila gyamo</i> Schmid 1970	N	✓											
9	01	02	008	<i>Rhyacophila heliada</i> Malicky & Prommi 2004	SW	✓											Nr. 36
10	01	02	009	<i>Rhyacophila hira</i> Malicky & Chantaramongkol 2009	N	✓											Braueria 36
11	01	02	010	<i>Rhyacophila inaequalis</i> Denning & Schmid 1971	N, NE, SE, P	✓	✓		✓		✓						
12	01	02	011	<i>Rhyacophila kyimdongpa</i> Schmid 1970	N	✓					✓						
13	01	02	012	<i>Rhyacophila ligulula</i> Malicky & Sun 2002	N	✓											Nr. 33
14	01	02	013	<i>Rhyacophila lyssa</i> Malicky & Changthong 2004	N	✓											Nr. 36
15	01	02	014	<i>Rhyacophila malayana</i> Banks 1931	N, NE, SE, P	✓	✓		✓		✓	✓					
16	01	02	015	<i>Rhyacophila manna</i> Malicky & Chantaramongkol 1993	N, NE	✓											Nr. 12
17	01	02	016	<i>Rhyacophila mayestril</i> Malicky 1991	N	✓											Nr. 5
18	01	02	017	<i>Rhyacophila moneta</i> Malicky & Changthong 2004	N	✓											Nr. 36
19	01	02	018	<i>Rhyacophila muktepa</i> Schmid 1970	N	✓											
20	01	02	019	<i>Rhyacophila murhu</i> Malicky & Chantaramongkol 1989	N	✓											Nr. 3

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
21	01	02	020	<i>Rhyacophila myrmidone</i> Malicky & Nawvong 2004	N	✓										Nr. 36
22	01	02	021	<i>Rhyacophila noeibia</i> Malicky & Chantaramongkol 1993	P	✓										Nr. 12
23	01	02	022	<i>Rhyacophila pelopeia</i> Malicky & Nuntakwang 2004	N	✓										Nr. 36
24	01	02	023	<i>Rhyacophila pemba</i> Schmid 1970	N	✓										
25	01	02	024	<i>Rhyacophila petersorum</i> Schmid & Denning 1971	N, P	✓										
26	01	02	025	<i>Rhyacophila pornitipae</i> Malicky 1987	N	✓										Nr. 1
27	01	02	026	<i>Rhyacophila ramingwongi</i> Malicky 1987	N	✓										Nr. 1
28	01	02	027	<i>Rhyacophila scissa</i> Morton 1900	N, NE	✓					✓					
29	01	02	028	<i>Rhyacophila scissoides</i> Kimmins 1953	N, NE, P	✓					✓					
30	01	02	029	<i>Rhyacophila stheneboia</i> Malicky & Prommi 2006	P	✓						✓				Nr. 42
31	01	02	030	<i>Rhyacophila suah</i> Malicky & Chantaramongkol 2009	N	✓										Braueria 36
32	01	02	031	<i>Rhyacophila tantichodoki</i> Malicky & Chantaramongkol 1993	P	✓										Nr. 12
33	01	02	032	<i>Rhyacophila tosagan</i> Malicky & Chantaramongkol 1993	N, P	✓										Nr. 12
34	01	02	033	<i>Rhyacophila uncata</i> Kimmins 1953	N	✓										
35	01	02	034	<i>Rhyacophila verugia</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
36	01	02	035	<i>Rhyacophila voccia</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
37	01	02	036	<i>Rhyacophila wanichacheewai</i> Malicky 1987	N	✓										Nr. 1
38	01	02	037	<i>Rhyacophila xayide</i> Malicky & Chantaramongkol 1989	N	✓										Nr. 3
39	02	01	001	<i>Apsilochorema eliud</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
40	02	01	002	<i>Apsilochorema natibhinnam</i> Schmid 1970	N	✓										
41	02	01	003	<i>Apsilochorema utchtchunam</i> Schmid 1970 (= <i>malickyi</i> Schmid)	N	✓										
42	03	01	001	<i>Ptilocolepus namdao</i> Malicky & Chantaramongkol 1996	NE	✓										Nr. 19
43	04	01	001	<i>Agapetus abdeel</i> Malicky & Chantaramongkol 2009	N	✓										Braueria 36
44	04	01	002	<i>Agapetus atuus</i> Malicky & Chantaramongkol 1992	N	✓										Nr. 11
45	04	01	003	<i>Agapetus cenomarus</i> Malicky & Chantaramongkol 1992		✓										

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
46	04	01	004	<i>Agapetus chinensis</i> Mosely 1942	N	✓										
47	04	01	005	<i>Agapetus dangorum</i> Oláh 1942	N	✓				✓	✓					
48	04	01	006	<i>Agapetus esinertus</i> Malicky & Chantaramongkol 1992	N	✓										Nr. 11
49	04	01	007	<i>Agapetus gotgian</i> Oláh 1988	N	✓					✓					
50	04	01	008	<i>Agapetus halong</i> Oláh 1988	N	✓					✓					
51	04	01	009	<i>Agapetus lalus</i> Malicky & Chantaramongkol 1992	N	✓										Nr. 11
52	04	01	010	<i>Agapetus phorkys</i> Malicky & Nuntakwang 2006	N	✓										Nr. 41
53	04	01	011	<i>Agapetus quordus</i> Malicky & Chantaramongkol 1992	N	✓										Nr. 11
54	04	01	012	<i>Agapetus vercondarius</i> Malicky & Chantaramongkol 1992	N	✓										Nr. 11
55	04	01	013	<i>Agapetus viricatus</i> Malicky & Chantaramongkol 1992	N	✓										Nr. 11
56	04	01	014	<i>Agapetus voccus</i> Malicky & Chantaramongkol 1992	N	✓										Nr. 11
57	04	02	001	<i>Glossosoma atitto</i> Malicky & Chantaramongkol 1992	N	✓					✓					Nr. 11
58	04	02	002	<i>Glossosoma elvisso</i> Malicky & Chantaramongkol 1992	N, P	✓				✓						Nr. 11
59	04	02	003	<i>Glossosoma malayanum</i> Banks 1934	N, NE	✓				✓	✓	✓				
60	04	02	004	<i>Glossosoma jentumar</i> Malicky & Chantaramongkol 1992	N	✓				✓	✓					Nr. 11
61	04	03	001	<i>Nepaloptila jisunted</i> Malicky & Chantaramongkol 1992	N	✓										Nr. 11
62	04	03	002	<i>Nepaloptila kanikar</i> Malicky & Chantaramongkol 1992	N	✓										Nr. 11
63	04	03	003	<i>Nepaloptila ruangjod</i> Malicky & Chantaramongkol 1992	N	✓										Nr. 11
64	04	04	001	<i>Padunia akkad</i> Malicky & Chantaramongkol 2009	N	✓										Braueria 36
65	04	04	002	<i>Padunia burebista</i> Malicky & Chantaramongkol 1992	N	✓										Nr. 11
66	04	04	003	<i>Padunia karaked</i> Malicky & Chantaramongkol 1992	N	✓										Nr. 11
67	04	05	001	<i>Poeciloptila almodad</i> Malicky & Chantaramongkol 2009	N	✓										Braueria 36
68	04	05	002	<i>Poeciloptila briatec</i> Malicky & Chantaramongkol 1992	N	✓										Nr. 11
69	04	05	003	<i>Poeciloptila phyllis</i> Malicky & Chantaramongkol 2006	N	✓										Nr. 41
70	05	01	001	<i>Chrysotrichia ganjil</i> Wells & Huisman 1993	N	✓						✓				Nr. 43
71	05	01	002	<i>Chrysotrichia hutapadangensis</i> Wells & Malicky 1997	N	✓				✓						Nr. 43

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
72	05	01	003	<i>Chrysotrichia monga</i> Oláh 1989		✓					✓	✓				Nr. 43
73	05	01	004	<i>Chrysotrichia pallu</i> Malicky & Prommi 2009	P	✓										Braueria 36
74	05	01	005	<i>Chrysotrichia phaiaka</i> Malicky & Chantaramongkol 2007	N	✓										Nr. 43
75	05	01	006	<i>Chrysotrichia pulmonaria</i> Xue & Yang 1990 (= <i>tanduk</i> Wells & Huisman 1993)		✓			✓			✓				Nr. 43
76	05	01	007	<i>Chrysotrichia quirinus</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
77	05	01	008	<i>Chrysotrichia skamandros</i> Malicky & Chantaramongkol 2007	N	✓										Nr. 43
78	05	01	009	<i>Chrysotrichia sparta</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
79	05	01	010	<i>Chrysotrichia talthybios</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
80	05	01	011	<i>Chrysotrichia tydeus</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
81	05	01	012	<i>Chrysotrichia volcanus</i> Malicky & Chantaramongkol 2007	SE	✓										Nr. 43
82	05	01	013	<i>Chrysotrichia zoroastres</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
83	05	02	001	<i>Hellyethira bulat</i> Wells & Huisman 1993		✓				✓		✓				Nr. 43
84	05	02	002	<i>Hellyethira tros</i> Malicky & Chantaramongkol 2007	SE	✓										Nr. 43
85	05	03	001	<i>Hydroptila anongraksa</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
86	05	03	002	<i>Hydroptila banmaekap</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
87	05	03	003	<i>Hydroptila bellona</i> Malicky 1998		✓				✓						Nr. 24
88	05	03	004	<i>Hydroptila dayung</i> Wells & Huisman 1992		✓					✓				✓	
89	05	03	005	<i>Hydroptila erawan</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
90	05	03	006	<i>Hydroptila gabdoi</i> Oláh 1989		✓				✓	✓					Nr. 43
91	05	03	007	<i>Hydroptila gaya</i> Oláh 1989		✓					✓					Nr. 43
92	05	03	008	<i>Hydroptila kalchas</i> Malicky 2004		✓										Nr. 43
93	05	03	009	<i>Hydroptila keres</i> Malicky 2004	N	✓										Nr. 43
94	05	03	010	<i>Hydroptila maetalai</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
95	05	03	011	<i>Hydroptila montatan</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
96	05	03	012	<i>Hydroptila orion</i> Malicky & Chantaramongkol 2007		✓										Nr. 43

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
97	05	03	013	<i>Hydroptila penthesileia</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
98	05	03	014	<i>Hydroptila portunus</i> Malicky & Chantaramongkol 2007	P	✓			✓							Nr. 43
99	05	03	015	<i>Hydroptila poseidon</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
100	05	03	016	<i>Hydroptila priamos</i> Malicky & Chantaramongkol 2007		✓			✓							Nr. 43
101	05	03	017	<i>Hydroptila psyche</i> Malicky & Chantaramongkol 2007	N	✓										Nr. 43
102	05	03	018	<i>Hydroptila pyreneus</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
103	05	03	019	<i>Hydroptila roma</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
104	05	03	020	<i>Hydroptila sabit</i> Wells & Huisman 1992		✓				✓		✓				Nr. 43
105	05	03	021	<i>Hydroptila sanghala</i> Schmid 1960		✓										Nr. 43
106	05	03	022	<i>Hydroptila skylla</i> Malicky & Chantaramongkol 2007	N	✓										Nr. 43
107	05	03	023	<i>Hydroptila srisungwan</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
108	05	03	024	<i>Hydroptila suanhom</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
109	05	03	025	<i>Hydroptila tethys</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
110	05	03	026	<i>Hydroptila theano</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
111	05	03	027	<i>Hydroptila thersandros</i> Malicky & Chantaramongkol 2007	C	✓										Nr. 43
112	05	03	028	<i>Hydroptila thuna</i> Oláh 1989	N, P	✓			✓	✓	✓					Nr. 43
113	05	03	029	<i>Hydroptila trullata</i> Ulmer 1951		✓		✓		✓						Nr. 43
114	05	03	030	<i>Hydroptila tungsalaeng</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
115	05	03	031	<i>Hydroptila venus</i> Malicky & Chantaramongkol 2007		✓						✓				Nr. 43
116	05	03	032	<i>Hydroptila virginia</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
117	05	03	033	<i>Hydroptila veticordia</i> Malicky & Chantaramongkol 2007	N	✓										Nr. 43
118	05	04	001	<i>Jabirichia wellae</i> O'Connor & Ashe 1992		✓						✓				Nr. 43
119	05	05	001	<i>Maeyaptila xuthos</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
120	05	06	001	<i>Maetaloptila pyramus</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
121	05	07	001	<i>Microptila hintama</i> Oláh 1989 (= <i>xedapa</i> Olah 1989)	N, NE	✓					✓					Nr. 43
122	05	07	002	<i>Microptila tyndareos</i> Malicky & Chantaramongkol 2007		✓										Nr. 43

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
123	05	08	001	<i>Orthotrichia asimetrus</i> Wells & Malicky 1997		✓				✓		✓				Nr. 43
124	05	08	002	<i>Orthotrichia bencana</i> Oláh 1989 (= <i>adunca</i>)		✓					✓					Nr. 43
125	05	08	003	<i>Orthotrichia biokrotta</i> Malicky & Melnitsky 2008	SE	✓										
126	05	08	004	<i>Orthotrichia deukalion</i> Malicky & Prommi 2000	N	✓										Nr. 30
127	05	08	005	<i>Orthotrichia huaihuat</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
128	05	08	006	<i>Orthotrichia indica</i> Martynov 1935		✓		✓		✓	✓					Nr. 43
129	05	08	007	<i>Orthotrichia jani</i> Wells & Huisman 1993		✓										
130	05	08	008	<i>Orthotrichia lanna</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
131	05	08	009	<i>Orthotrichia lebar</i> Wells & Huisman 1993		✓										
132	05	08	010	<i>Orthotrichia litoralis</i> Ulmer 1951	P	✓		✓		✓	✓				✓	
133	05	08	011	<i>Orthotrichia maeandrica</i> Ulmer 1951	N	✓		✓		✓	✓	✓				Nr. 43
134	05	08	012	<i>Orthotrichia menjonkok</i> Wells & Malicky 1997		✓				✓						Nr. 43
135	05	08	013	<i>Orthotrichia namnoa</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
136	05	08	014	<i>Orthotrichia mewi</i> Wells & Huisman 1993		✓										
137	05	08	015	<i>Orthotrichia nontaburi</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
138	05	08	016	<i>Orthotrichia palikos</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
139	05	08	017	<i>Orthotrichia parthenopios</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
140	05	08	018	<i>Orthotrichia parthenos</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
141	05	08	019	<i>Orthotrichia penthesileia</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
142	05	08	020	<i>Orthotrichia polyxena</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
143	05	08	021	<i>Orthotrichia priapos</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
144	05	08	022	<i>Orthotrichia putoei</i> Malicky & Chantaramongkol 2007	C	✓										Nr. 43
145	05	08	023	<i>Orthotrichia runching</i> Wells & Huisman 1993		✓										
146	05	08	024	<i>Orthotrichia sinit</i> Wells & Huisman 1993		✓										
147	05	08	025	<i>Orthotrichia taleban</i> Malicky & Chantaramongkol 2007	N	✓										Nr. 43
148	05	08	026	<i>Orthotrichia terpsichore</i> Malicky & Chantaramongkol 2007		✓										Nr. 43

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand								Reference			
						T	C	J	L	S	V	P		And	Nik	Bali
149	05	08	027	<i>Orthotrichia thanatos</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
150	05	08	028	<i>Orthotrichia thaumas</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
151	05	08	029	<i>Orthotrichia thersites</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
152	05	08	030	<i>Orthotrichia thyone</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
153	05	08	031	<i>Orthotrichia thyche</i> Malicky & Chantaramongkol 2007		✓				✓						Nr. 43
154	05	08	032	<i>Orthotrichia typhoeus</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
155	05	08	033	<i>Orthotrichia tyro</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
156	05	08	034	<i>Orthotrichia urania</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
157	05	08	035	<i>Orthotrichia vertumnus</i> Malicky & Chantaramongkol 2007		✓					✓					Nr. 43
158	05	08	036	<i>Orthotrichia wellsae</i> Xue & Yang 1990		✓						✓				Nr. 43
159	05	08	037	<i>Orthotrichia yaowachon</i> Malicky & Chantaramongkol 2007		✓						✓				Nr. 43
160	05	10	001	<i>Oxyethira bogambara</i> Schmid 1958		✓				✓	✓	✓			✓	Nr. 43
161	05	10	002	<i>Oxyethira campanula</i> Botosaneanu 1970		✓				✓	✓	✓				Nr. 43
162	05	10	003	<i>Oxyethira incana</i> Ulmer 1906		✓			✓	✓	✓	✓				Nr. 43
163	05	10	004	<i>Oxyethira ping</i> Malicky & Chantaramongkol 2007		✓			✓							Nr. 43
164	05	09	001	<i>Parastactobia khakhaeng</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
165	05	11	002	<i>Parastactobia taengdoa</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
166	05	12	001	<i>Plethus banchaia</i> Oláh 1989		✓					✓					Nr. 43
167	05	12	002	<i>Plethus berbulu</i> Malicky & Chantaramongkol 2007		✓									✓	Nr. 43
168	05	12	003	<i>Plethus scaevola</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
169	05	12	004	<i>Plethus tarquinius</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
170	05	12	005	<i>Plethus tartaros</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
171	05	12	006	<i>Plethus teiresias</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
172	05	12	007	<i>Plethus tullius</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
173	05	12	008	<i>Plethus ulixes</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
174	05	12	009	<i>Plethus uranos</i> Malicky & Chantaramongkol 2007		✓										Nr. 43

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
175	05	13	001	<i>Saraganotrichia chiangdao</i> Malicky & Chantaramongkol 2007		✓										
176	05	13	002	<i>Saraganotrichia kaosoidao</i> Malicky & Chantaramongkol 2007		✓										
177	05	14	001	<i>Scelatrachia litai</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
178	05	14	001	<i>Scelatrachia tatus</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
179	05	14	002	<i>Scelatrachia tellus</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
180	05	14	003	<i>Scelatrachia temenos</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
181	05	14	004	<i>Scelatrachia telegonos</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
182	05	15	001	<i>Stactobia nalin</i> Schmid 1983		✓										Nr. 43
183	05	15	002	<i>Stactobia pyrrhos</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
184	05	15	003	<i>Stactobia python</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
185	05	15	004	<i>Stactobia telemachos</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
186	05	15	005	<i>Stactobia telephos</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
187	05	15	006	<i>Stactobia tenes</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
188	05	15	007	<i>Stactobia terminus</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
189	05	16	008	<i>Sutheptila kjaerandseni</i> Malicky & Chantaramongkol 2007		✓										Nr. 43
190	05	17	001	<i>Tricholeiochiton fortensis</i> Ulmer 1951 (= <i>lacustris</i> Kimmins 1951)		✓		✓		✓	✓	✓				Nr. 43
191	05	18	001	<i>Ugandatrichia hairanga</i> Oláh 1989	N, P	✓					✓	✓				
192	05	18	002	<i>Ugandatrichia hongá</i> Oláh 1989	N, NE, P	✓					✓					
193	05	18	003	<i>Ugandatrichia kerdmuang</i> Malicky & Chantaramongkol 1991	N, NE, C, SE, E, P	✓			✓							Nr. 7
194	05	18	004	<i>Ugandatrichia maliwan</i> Malicky & Chantaramongkol 1991	N	✓			✓							Nr. 7
195	05	18	005	<i>Ugandatrichia sanana</i> Oláh 1989	N	✓					✓					
196	06	01	001	<i>Chimarra akkaorum</i> Chantaramongkol & Malicky 1989	N, NE, SW, SE, P	✓	✓				✓					Nr. 2
197	06	01	002	<i>Chimarra alleni</i> Chantaramongkol & Malicky 1989 (= <i>kuala Olah</i>)	N, NE, E, P	✓						✓				Nr. 2
198	06	01	003	<i>Chimarra aneca</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
199	06	01	004	<i>Chimarra argax</i> Malicky 1989	P	✓	✓		✓	✓	✓					Nr. 4
200	06	01	005	<i>Chimarra argeia</i> Malicky & Chantaramongkol 1997	N	✓										Nr. 20
201	06	01	006	<i>Chimarra atara</i> Malicky & Chantaramongkol 1993	N	✓							✓			Nr. 12
202	06	01	007	<i>Chimarra atnia</i> Malicky & Chantaramongkol 1993	N, P	✓							✓			Nr. 12
203	06	01	008	<i>Chimarra bimbltona</i> Malicky 1979	N, NE, SW, P	✓							✓			
204	06	01	009	<i>Chimarra burmana</i> Kimmins 1957	N	✓										
205	06	01	010	<i>Chimarra Chiangmaiensis</i> Chantaramongkol & Malicky 1989	N, NE, E, SW, SE, P	✓	✓		✓		✓					Nr. 2
206	06	01	011	<i>Chimarra coma</i> Malicky & Chantaramongkol 1993	N, NE, SE, P	✓				✓		✓				Nr. 12
207	06	01	012	<i>Chimarra cumata</i> Malicky & Chantaramongkol 1993	N	✓					✓					Nr. 12
208	06	01	013	<i>Chimarra devva</i> Malicky & Chantaramongkol 1993	N, NE	✓					✓					Nr. 12
209	06	01	014	<i>Chimarra dirke</i> Malicky & Thamsenanupap 2000	N	✓										Nr. 31
210	06	01	015	<i>Chimarra exapia</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
211	06	01	016	<i>Chimarra helios</i> Malicky & Chantaramongkol 2003	N	✓										
212	06	01	017	<i>Chimarra horok</i> Malicky 1989	P	✓				✓						Nr. 4
213	06	01	018	<i>Chimarra htinorum</i> Chantaramongkol & Malicky 1989	N	✓										Nr. 2
214	06	01	019	<i>Chimarra inthanonensis</i> Chantaramongkol & Malicky 1989 (= <i>fansipangensis</i> Mey 1998)	N	✓					✓					Nr. 2
215	06	01	020	<i>Chimarra jabal</i> Malicky & Chantaramongkol 2009	N, NE	✓										Braueria 36
216	06	01	021	<i>Chimarra joliveti</i> Jacquemart 1979	N, NE, E, SE, P	✓										
217	06	01	022	<i>Chimarra karenorum</i> Chantaramongkol & Malicky 1989	N	✓										Nr. 2
218	06	01	023	<i>Chimarra khamuorum</i> Chantaramongkol & Malicky 1989	N, NE, SE, P	✓					✓					Nr. 2
219	06	01	024	<i>Chimarra lahuorum</i> Chantaramongkol & Malicky 1989	N	✓					✓					Nr. 2
220	06	01	025	<i>Chimarra lannaensis</i> Chantaramongkol & Malicky 1989	N, NE, E, SW, P	✓	✓		✓		✓					Nr. 2
221	06	01	026	<i>Chimarra lavuaorum</i> Chantaramongkol & Malicky 1989	N	✓										Nr. 2
222	06	01	027	<i>Chimarra lissuorum</i> Chantaramongkol & Malicky 1989	N	✓										Nr. 2

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
223	06	01	028	<i>Chimarra litugena</i> Malicky & Chantaramongkol 1993	N	✓					✓					Nr. 12
224	06	01	029	<i>Chimarra lucretia</i> Malicky & Thamsenanupap 2005	N	✓										Nr. 37
225	06	01	030	<i>Chimarra matura</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
226	06	01	031	<i>Chimarra meorum</i> Chantaramongkol & Malicky 1989	N	✓										Nr. 2
227	06	01	032	<i>Chimarra mlabriorum</i> Chantaramongkol & Malicky 1989	N, NE	✓					✓					Nr. 2
228	06	01	033	<i>Chimarra moira</i> Malicky & Prommi 2004	SW	✓										Nr. 36
229	06	01	034	<i>Chimarra momma</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
230	06	01	035	<i>Chimarra monorum</i> Chantaramongkol & Malicky 1989	N, C, SW, P	✓			✓							Nr. 2
231	06	01	036	<i>Chimarra nahesson</i> Malicky & Chantaramongkol 1993	N	✓					✓					Nr. 12
232	06	01	037	<i>Chimarra noebia</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
233	06	01	038	<i>Chimarra okuihorum</i> Mey 1998	N, SE	✓					✓					Nr. 24
234	06	01	039	<i>Chimarra phuwa</i> Malicky & Chantaramongkol 2009	N	✓										Braueria 36
235	06	01	040	<i>Chimarra pipake</i> Malicky & Chantaramongkol 1993	N, C, SW, SE, P	✓										Nr. 12
236	06	01	041	<i>Chimarra podarge</i> Malicky & Thamsenanupap 2006	N	✓										Nr. 41
237	06	01	042	<i>Chimarra rama</i> Malicky & Chantaramongkol 1993	P	✓				✓						Nr. 12
238	06	01	043	<i>Chimarra ramakien</i> Malicky & Chantaramongkol 1993	N, NE	✓										Nr. 12
239	06	01	044	<i>Chimarra ravanna</i> Malicky & Chantaramongkol 1993	SE, P	✓				✓						Nr. 12
240	06	01	045	<i>Chimarra reasilvia</i> Malicky & Prommi 2006	P	✓						✓				Nr. 42
241	06	01	046	<i>Chimarra regu</i> Malicky & Chantaramongkol 2009	NE	✓										Braueria 36
242	06	01	047	<i>Chimarra schwendingeri</i> Chantaramongkol & Malicky 1989 (= <i>litussa</i> Malicky & Chantaramongkol 1993)	N	✓			✓							Nr. 2
243	06	01	048	<i>Chimarra scopulifera</i> Kimmins 1957	N	✓										
244	06	01	049	<i>Chimarra shanorum</i> Chantaramongkol & Malicky 1989	N	✓					✓					Nr. 2
245	06	01	050	<i>Chimarra shiva</i> Malicky & Chantaramongkol 1993	N, NE	✓										Nr. 12
246	06	01	051	<i>Chimarra sita</i> Malicky & Chantaramongkol 1993	P	✓				✓						Nr. 12
247	06	01	052	<i>Chimarra spinifera</i> Kimmins 1957	N, NE, E, SW, P	✓			✓			✓				

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
248	06	01	053	<i>Chimarra suadulla</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
249	06	01	054	<i>Chimarra suthepensis</i> Chantaramongkol & Malicky 1989	N, P	✓						✓				Nr. 2
250	06	01	055	<i>Chimarra thaiorum</i> Chantaramongkol & Malicky 1989	E	✓										Nr. 2
251	06	01	056	<i>Chimarra thienemanni</i> Ulmer 1951		✓		✓		✓		✓			✓	
252	06	01	057	<i>Chimarra toga</i> Malicky & Chantaramongkol 1993	N, NE	✓										Nr. 12
253	06	01	058	<i>Chimarra uppita</i> Malicky & Chantaramongkol 1993	N, C, SW, SE	✓	✓				✓					Nr. 12
254	06	01	059	<i>Chimarra usal</i> Malicky & Chantaramongkol 2009	SW	✓										Braueria 36
255	06	01	060	<i>Chimarra vibena</i> Malicky & Chantaramongkol 1993	P	✓				✓						Nr. 12
256	06	01	061	<i>Chimarra yaorum</i> Chantaramongkol & Malicky 1989	N	✓										Nr. 2
257	06	01	062	<i>Chimarra yskal</i> Malicky 1989	SW, P	✓										Nr. 4
258	06	01	063	<i>Chimarra zilla</i> Malicky & Chantaramongkol 2009	N	✓										Braueria 36
259	06	02	001	<i>Dolophilodes adnamat</i> Malicky & Chantaramongkol 1993	N	✓					✓					Nr. 12
260	06	02	002	<i>Dolophilodes bicolor</i> Kimmins 1955	N	✓			✓		✓					
261	06	02	003	<i>Dolophilodes bullu</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
262	06	02	004	<i>Dolophilodes torrentis</i> Kimmins 1955	N	✓					✓					
263	06	02	005	<i>Dolophilodes truncata</i> Kimmins 1955	N	✓										
264	06	03	001	<i>Gunungiella fiarafiazga</i> Malicky & Chantaramongkol 1993	N, SE, P	✓										Nr. 12
265	06	03	002	<i>Gunungiella fimfafiazga</i> Malicky & Chantaramongkol 1993	P	✓						✓				Nr. 12
266	06	03	003	<i>Gunungiella hori</i> Malicky & Chantaramongkol 2009	N	✓										Braueria 36
267	06	03	004	<i>Gunungiella myrrha</i> Malicky & Chantaramongkol 2003 (= <i>herakles</i> Malicky & Nuntakwang 2004)	N	✓										Nr. 36
268	06	03	005	<i>Gunungiella segsafiazga</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
269	06	03	006	<i>Gunungiella sibylla</i> Malicky & Prommi 2006	P	✓										Nr. 42
270	06	03	007	<i>Gunungiella simafiazga</i> Malicky & Chantaramongkol 1993	P	✓										Nr. 12
271	06	03	008	<i>Gunungiella traiafiazga</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
272	06	04	001	<i>Kisaura acirtemisa</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
273	06	04	002	<i>Kisaura cina</i> Malicky & Chantaramongkol 1993	N	✓			✓							Nr. 12
274	06	04	003	<i>Kisaura consagia</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
275	06	04	004	<i>Kisaura filiformis</i> Mey 1996	N	✓					✓					No. 37
276	06	04	005	<i>Kisaura laban</i> Malicky & Chantaramongkol 2009	N	✓										Braueria 36
277	06	04	006	<i>Kisaura longispina</i> Kimmins 1955	N	✓										Nr. 41
278	06	04	007	<i>Kisaura ophir</i> Malicky & Prommi 2009	SW, P	✓										Braueria 36
279	06	04	008	<i>Kisaura sura</i> Malicky & Chantaramongkol 1993	N, NE	✓					✓					Nr. 12
280	06	04	009	<i>Kisaura surasa</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
281	06	04	010	<i>Kisaura venusta</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
282	06	04	011	<i>Kisaura verecunda</i> Malicky & Chantaramongkol 1993	N	✓			✓							Nr. 12
283	06	05	001	<i>Wormaldia abas</i> Malicky & Chantaramongkol 1996	N, NE	✓										Nr. 19
284	06	05	002	<i>Wormaldia acheloos</i> Malicky & Chantaramongkol 1996	SE	✓										Nr. 19
285	06	05	003	<i>Wormaldia congina</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
286	06	05	004	<i>Wormaldia dresiu</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
287	06	05	005	<i>Wormaldia etto</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
288	06	05	006	<i>Wormaldia graia</i> Malicky & Prommi 2004	SW	✓										Nr. 36
289	06	05	007	<i>Wormaldia gressitti</i> Ross 1956	N, E	✓			✓	✓						Nr. 42
290	06	05	008	<i>Wormaldia inthanonensis</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
291	06	05	009	<i>Wormaldia lot</i> Malicky & Chantaramongkol 2009	SW	✓										Braueria 36
292	06	05	010	<i>Wormaldia nyctimon</i> Schmid 1991	N	✓										
293	06	05	011	<i>Wormaldia relicta</i> Martynov 1935 (= <i>clavella</i> Mey 1995)	N, NE	✓			✓			✓				
294	06	05	012	<i>Wormaldia serrata</i> Kimmins 1955	N	✓										
295	07	01	001	<i>Stenopsyche benaventi</i> Navas 1934	N	✓										
296	07	01	002	<i>Stenopsyche brevata</i> Tian & Zheng 1989	N	✓										
297	07	01	003	<i>Stenopsyche griseipennis</i> McLachlan 1866	N	✓										
298	07	01	004	<i>Stenopsyche haimavatika</i> Schmid 1969	N	✓										

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
299	07	01	005	<i>Stenopsyche hamata</i> Navas 1930 (= <i>dakpri</i> Hoang & Bae 2007)	N	✓					✓					
300	07	01	006	<i>Stenopsyche himalayana</i> Martynov 1926	N	✓					✓					
301	07	01	007	<i>Stenopsyche lanceolata</i> Hwang 1963		✓			✓							
302	07	01	008	<i>Stenopsyche siamensis</i> Martynov 1931	N, E, SW, SE, P	✓	✓				✓	✓				
303	08	01	001	<i>Cyropsis pingensis</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
304	08	02	001	<i>Holocentropus vietnamellus</i> Malicky 1995		✓										Nr. 18
305	08	03	001	<i>Kambaitipsyche hykriion</i> Malicky & Chantaramongkol 1991	N	✓										Nr. 7
306	08	04	001	<i>Nyctiophylax althaia</i> Malicky & Chantaramongkol 1997	SE	✓										Nr. 20
307	08	04	002	<i>Nyctiophylax amaltheia</i> Malicky & Chantaramongkol 1997	SE, P	✓	✓									Nr. 20
308	08	04	003	<i>Nyctiophylax amphonion</i> Malicky & Chantaramongkol 1997	NE	✓										Nr. 20
309	08	04	004	<i>Nyctiophylax archemoros</i> Malicky 1999	N	✓										Nr. 28
310	08	04	005	<i>Nyctiophylax aristaios</i> Malicky 1999	N	✓										Nr. 28
311	08	04	006	<i>Nyctiophylax Chiangmaiensis</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
312	08	04	007	<i>Nyctiophylax curtius</i> Malicky & Chantaramongkol 2000	NE	✓										Nr. 30
313	08	04	008	<i>Nyctiophylax echion</i> Malicky & Thani 2000	P	✓										Nr. 31
314	08	04	009	<i>Nyctiophylax khaosokensis</i> Malicky & Chantaramongkol 1993	SE, P	✓										Nr. 12
315	08	04	010	<i>Nyctiophylax khaoyaiensis</i> Malicky & Chantaramongkol 1993	SE, E	✓				✓						Nr. 12
316	08	04	011	<i>Nyctiophylax maath</i> Malicky & Chantaramongkol 1993	N, P	✓										Nr. 12
317	08	04	012	<i>Nyctiophylax mentor</i> Malicky & Chantaramongkol 2004	N	✓										Nr. 36
318	08	04	013	<i>Nyctiophylax nahum</i> Malicky & Chantaramongkol 1993	N, SW, P	✓										Nr. 12
319	08	04	014	<i>Nyctiophylax pongdiatensis</i> Malicky & Chantaramongkol 1993	N, P	✓										Nr. 12
320	08	04	015	<i>Nyctiophylax salma</i> Malicky & Chantaramongkol 1993	P	✓										Nr. 12
321	08	04	016	<i>Nyctiophylax simaritensis</i> Malicky & Chantaramongkol 1993	P	✓				✓						Nr. 12
322	08	04	017	<i>Nyctiophylax suthepensis</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
323	08	04	018	<i>Nyctiophylax tomgachang</i> Malicky & Chantaramongkol 1993	P	✓										Nr. 12

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
324	08	04	019	<i>Nyctiophylax valmiki</i> Malicky & Chantaramongkol 1993	P	✓										Nr. 12
325	08	04	020	<i>Nyctiophylax zadok</i> Malicky & Chantaramongkol 1993	N, NE, SE, P	✓	✓									Nr. 12
326	08	05	001	<i>Pahamunaya akontios</i> Malicky & Chantaramongkol 1997	SE	✓										Nr. 20
327	08	05	002	<i>Pahamunaya jihmita</i> Schmid & Denning 1979	N	✓										
328	08	05	003	<i>Pahamunaya joda</i> Malicky & Chantaramongkol 1993	N, C, SE, P	✓										Nr. 12
329	08	05	004	<i>Pahanunaya taleban</i> Malicky & Chantaramongkol 1993	NE, P	✓						✓				Nr. 12
330	08	06	001	<i>Plectrocnemia apsyrtos</i> Malicky 1999	N	✓										Nr. 28
331	08	06	002	<i>Plectrocnemia arphachad</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
332	08	06	003	<i>Plectrocnemia eber</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
333	08	06	004	<i>Plectrocnemia ecingoma</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
334	08	06	005	<i>Plectrocnemia luna</i> Malicky & Changthong 2005	N	✓										Nr. 37
335	08	06	006	<i>Plectrocnemia resa</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
336	08	06	007	<i>Plectrocnemia vietnamella</i> Malicky 1995		✓					✓					Nr. 18
337	08	07	001	<i>Polyplectropus admin</i> Malicky & Chantaramongkol 1993	N, NE	✓										Nr. 12
338	08	07	002	<i>Polyplectropus ahas</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
339	08	07	003	<i>Polyplectropus aiolos</i> Malicky & Chantaramongkol 1997	N	✓										Nr. 20
340	08	07	004	<i>Polyplectropus alkyone</i> Malicky & Chantaramongkol 1997	SE	✓										Nr. 20
341	08	07	005	<i>Polyplectropus anakgugur</i> Malicky 1995	NE	✓						✓				Nr. 18
342	08	07	006	<i>Polyplectropus ibykos</i> Malicky & Chantaramongkol 2003	N	✓										
343	08	07	007	<i>Polyplectropus iphicles</i> Malicky & Chantaramongkol 2004	N	✓										Nr. 36
344	08	07	008	<i>Polyplectropus korah</i> Malicky & Laudee 2009	N	✓										Braueria 36
345	08	07	009	<i>Polyplectropus lehab</i> Malicky & Chantaramongkol 2009	SW	✓										Braueria 36
346	08	07	010	<i>Polyplectropus maiyarap</i> Malicky & Chantaramongkol 1993	P	✓										Nr. 12
347	08	07	011	<i>Polyplectropus matthatha</i> Malicky & Chantaramongkol 1993	P	✓						✓				Nr. 12
348	08	07	012	<i>Polyplectropus menna</i> Malicky & Chantaramongkol 1993	N, NE	✓			✓							Nr. 12
349	08	07	013	<i>Polyplectropus nahor</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
350	08	07	014	<i>Polyplectropus nangajna</i> Malicky & Chantaramongkol 1993	N, P	✓										Nr. 12
351	08	07	015	<i>Polyplectropus phrixos</i> Malicky & Changthong 2006	N	✓										Nr. 41
352	08	07	016	<i>Polyplectropus prapat</i> Malicky 1993		✓	✓			✓						
353	08	07	017	<i>Polyplectropus saturnus</i> Malicky & Prommi 2006	P	✓										Nr. 42
354	08	07	018	<i>Polyplectropus tharah</i> Malicky & Chantaramongkol 1993		✓										Nr. 12
355	08	08	001	<i>Pseudoneureclipsis achim</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
356	08	08	002	<i>Pseudoneureclipsis akarnanos</i> Malicky & Chantaramongkol 1997	N	✓										Nr. 20
357	08	08	003	<i>Pseudoneureclipsis amon</i> Malicky & Chantaramongkol 1993		✓										Nr. 12
358	08	08	004	<i>Pseudoneureclipsis arimaspos</i> Laudee & Malicky 1999	N	✓					✓					Nr. 27
359	08	08	005	<i>Pseudoneureclipsis arni</i> Malicky & Chantaramongkol 1993		✓										Nr. 12
360	08	08	006	<i>Pseudoneureclipsis asa</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
361	08	08	007	<i>Pseudoneureclipsis cheiron</i> Malicky & Sompong 2000		✓										Nr. 30
362	08	08	008	<i>Pseudoneureclipsis chrysippus</i> Malicky & Sompong 2000		✓										Nr. 30
363	08	08	009	<i>Pseudoneureclipsis cincinnatus</i> Malicky & Chantaramongkol 2000		✓										Nr. 30
364	08	08	010	<i>Pseudoneureclipsis enos</i> Malicky & Chantaramongkol 1993		✓										Nr. 12
365	08	08	011	<i>Pseudoneureclipsis erebos</i> Malicky & Saengpradab 2001		✓										Nr. 32
366	08	08	012	<i>Pseudoneureclipsis erechtheus</i> Malicky & Saengpradab 2001		✓					✓					Nr. 32
367	08	08	013	<i>Pseudoneureclipsis erginos</i> Malicky & Saengpradab 2001		✓										Nr. 32
368	08	08	014	<i>Pseudoneureclipsis hai</i> Malicky 2005		✓					✓					
369	08	08	015	<i>Pseudoneureclipsis jiswa</i> Malicky & Chantaramongkol 2009		✓										
370	08	08	016	<i>Pseudoneureclipsis jektan</i> Malicky & Chantaramongkol 2009		✓										
371	08	08	017	<i>Pseudoneureclipsis josia</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
372	08	08	018	<i>Pseudoneureclipsis kainam</i> Malicky & Chantaramongkol 1993		✓										Nr. 12
373	08	08	019	<i>Pseudoneureclipsis kaineus</i> Malicky & Bunlue 2004	N	✓										Nr. 36
374	08	08	020	<i>Pseudoneureclipsis linos</i> Malicky & Bunlue 2004	N	✓										Nr. 36

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
375	08	08	021	<i>Pseudoneureclipsis locutius</i> Malicky & Chantaramongkol 1997		✓										Nr. 20
376	08	08	022	<i>Pseudoneureclipsis lykurgos</i> Malicky & Changthong 2005	N	✓										Nr. 37
377	08	08	023	<i>Pseudoneureclipsis magog</i> Malicky & Chantaramongkol 2009		✓										
378	08	08	024	<i>Pseudoneureclipsis methusalah</i> Malicky & Chantaramongkol 2009	N	✓										Braueria 36
379	08	08	025	<i>Pseudoneureclipsis pax</i> Malicky & Chantaramongkol 2009		✓										
380	08	08	026	<i>Pseudoneureclipsis philemon</i> Malicky & Prommi 2000		✓					✓					Nr. 30
381	08	08	027	<i>Pseudoneureclipsis picus</i> Malicky & Thamsenanupap 2006	N	✓										Nr. 41
382	08	08	028	<i>Pseudoneureclipsis ramosa</i> Ulmer 1913 (= <i>abia</i> , <i>bheri</i> , <i>vali</i>)		✓	✓	✓		✓	✓	✓			✓	
383	08	08	029	<i>Pseudoneureclipsis saccheda</i> Schmid & Denning 1979	N	✓										
384	08	08	030	<i>Pseudoneureclipsis sobak</i> Malicky & Chantaramongkol 2009		✓										
385	08	08	031	<i>Pseudoneureclipsis sukrip</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
386	08	08	032	<i>Pseudoneureclipsis thales</i> Malicky & Chantaramongkol 2009		✓										
387	08	08	033	<i>Pseudoneureclipsis thiras</i> Malicky & Chantaramongkol 2009		✓										
388	08	08	034	<i>Pseudoneureclipsis tramot</i> Malicky & Chantaramongkol 1993	P	✓										Nr. 12
389	08	08	035	<i>Pseudoneureclipsis uma</i> Malicky & Chantaramongkol 1993	N, P	✓						✓				Nr. 12
390	08	08	036	<i>Pseudoneureclipsis usia</i> Malicky & Chantaramongkol 1993	N	✓			✓							Nr. 12
391	08	08	037	<i>Pseudoneureclipsis zagreus</i> Malicky & Prommi 2006	P	✓										Nr. 42
392	08	08	038	<i>Pseudoneureclipsis zethos</i> Malicky & Prommi 2006	P	✓										Nr. 42
393	09	01	001	<i>Dipseudopsis benardi</i> Navas 1930	N, C, SW, P	✓	✓		✓		✓					
394	09	01	002	<i>Dipseudopsis doehleri</i> Ulmer 1929	NE, E	✓										
395	09	01	003	<i>Dipseudopsis knappi</i> Schmid & Denning 1979	NE, E, P	✓					✓					
396	09	01	004	<i>Dipseudopsis nebulosa</i> Albarda 1881	NE, P	✓		✓	✓	✓		✓				
397	09	01	005	<i>Dipseudopsis robustior</i> Ulmer 1929	N, NE, C, SW, SE, E, P	✓	✓		✓		✓	✓				
398	09	01	006	<i>Dipseudopsis varians</i> Ulmer 1929	N, NE, SW, SE, E, P	✓	✓		✓		✓	✓				
399	09	02	001	<i>Hyalopsyche parsula</i> Martynov 1935	N, NE	✓			✓	✓	✓					

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
400	09	02	002	<i>Hyalopsyche winkleri</i> Ulmer 1930		✓			✓	✓	✓					
401	09	03	001	<i>Phylocentropus narumoniae</i> Malicky & Chantaramongkol 1997	N, NE	✓										Nr. 20
402	09	03	002	<i>Phylocentropus orientalis</i> Banks 1931	NE	✓						✓				
403	10	01	001	<i>Eoneureclipsis alekto</i> Malicky & Chantaramongkol 1997	N, NE	✓										Nr. 20
404	10	01	002	<i>Eoneureclipsis nykteus</i> Malicky & Nawvong 2004	N	✓										Nr. 36
405	10	01	003	<i>Eoneureclipsis querquobad</i> Malicky & Chantaramongkol 1989	N	✓										Nr. 6
406	10	02	001	<i>Lype atria</i> Malicky & Chantaramongkol 1993 (= <i>vietnamella</i> Mey 1996)	N, SW, P	✓				✓	✓					Nr. 12
407	10	03	001	<i>Paduniella achilleus</i> Malicky & Chantaramongkol 1996	NE	✓										Nr. 19
408	10	03	002	<i>Paduniella anakenam</i> Malicky & Chantaramongkol 1995	P	✓										
409	10	03	003	<i>Paduniella dendrobia</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
410	10	03	004	<i>Paduniella hatyaiensis</i> Malicky & Chantaramongkol 1993	SW, SE, P	✓						✓				Nr. 12
411	10	03	005	<i>Paduniella maeklangensis</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
412	10	03	006	<i>Paduniella mibzar</i> Malicky & Chantaramongkol 2009	SW	✓										Braueria 36
413	10	03	007	<i>Paduniella ranongensis</i> Malicky & Chantaramongkol 1993	SE, P	✓										Nr. 12
414	10	03	008	<i>Paduniella sampati</i> Malicky & Chantaramongkol 1993	N, NE, E, SW	✓										Nr. 12
415	10	03	009	<i>Paduniella semarangensis</i> Ulmer 1913	N, NE, SE, P	✓		✓		✓	✓				✓	
416	10	03	010	<i>Paduniella suwannamali</i> Malicky & Chantaramongkol 1993	N, NE, SW, P	✓										Nr. 12
417	10	03	011	<i>Paduniella thubalkain</i> Malicky & Chantaramongkol 2009	N	✓										Braueria 36
418	10	03	012	<i>Paduniella tigridis</i> Malicky & Chantaramongkol 1993	N, SW	✓										Nr. 12
419	10	03	013	<i>Paduniella wangtakraiensis</i> Malicky & Chantaramongkol 1993	N, C, NE, E	✓					✓					Nr. 12
420	10	04	001	<i>Psychomyia adun</i> Malicky & Chantaramongkol 1993	P	✓										Nr. 12
421	10	04	002	<i>Psychomyia amor</i> Malicky & Chantaramongkol 1997	N, NE	✓										
422	10	04	003	<i>Psychomyia amphiaraos</i> Malicky & Chantaramongkol 1997	N, SE, P	✓										Nr. 20
423	10	04	004	<i>Psychomyia arthit</i> Malicky & Chantaramongkol 1993	N, P	✓			✓							Nr. 12

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
424	10	04	005	<i>Psychomyia barata</i> Malicky & Chantaramongkol 1993	N	✓					✓					Nr. 12
425	10	04	006	<i>Psychomyia benyagai</i> Malicky & Chantaramongkol 1993	N	✓					✓					Nr. 12
426	10	04	007	<i>Psychomyia capillata</i> Ulmer 1910	C, E, P	✓		✓		✓		✓				
427	10	04	008	<i>Psychomyia chompu</i> Malicky & Chantaramongkol 1993	N, SW	✓			✓							Nr. 12
428	10	04	009	<i>Psychomyia eriphyle</i> Malicky & Saengpradab 2001	N, NE	✓										Nr. 32
429	10	04	010	<i>Psychomyia indra</i> Malicky & Chantaramongkol 1993	P	✓						✓				Nr. 12
430	10	04	011	<i>Psychomyia intorachit</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
431	10	04	012	<i>Psychomyia itys</i> Malicky & Nawvong 2004	N	✓										Nr. 36
432	10	04	013	<i>Psychomyia kaiya</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
433	10	04	014	<i>Psychomyia kerynitia</i> Malicky & Nuntakwang 2006	N	✓										Nr. 41
434	10	04	015	<i>Psychomyia kiskinda</i> Malicky & Chantaramongkol 1993	N, P	✓						✓				Nr. 12
435	10	04	016	<i>Psychomyia kuni</i> Malicky & Chantaramongkol 1993	N, NE, P	✓										Nr. 12
436	10	04	017	<i>Psychomyia lak</i> Malicky & Chantaramongkol 1993	N, NE, SW	✓										Nr. 12
437	10	04	018	<i>Psychomyia mithila</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
438	10	04	019	<i>Psychomyia monto</i> Malicky & Chantaramongkol 1993	N, NE, SW	✓			✓							Nr. 12
439	10	04	020	<i>Psychomyia reguel</i> Malicky & Chantaramongkol 2009	SW	✓										Braueria 36
440	10	04	021	<i>Psychomyia samanaka</i> Malicky & Chantaramongkol 1993	N, NE, P	✓										Nr. 12
441	10	04	022	<i>Psychomyia sinon</i> Malicky & Prommi 2006	P	✓										Nr. 42
442	10	04	023	<i>Psychomyia subhasrii</i> Malicky & Chantaramongkol 1995	N	✓										
443	10	04	024	<i>Psychomyia thienemanni</i> Ulmer 1951	C, SE, P	✓	✓	✓		✓	✓	✓				
444	10	05	001	<i>Tinodes achaemenides</i> Malicky & Chantaramongkol 1996	NE, P	✓										Nr. 19
445	10	05	002	<i>Tinodes acheron</i> Malicky & Chantaramongkol 1996	N	✓										Nr. 19
446	10	05	003	<i>Tinodes anakkunci</i> Malicky 1995 (= <i>kebala</i> Johanson & Olah 2008)		✓						✓				Nr. 18
447	10	05	004	<i>Tinodes cincibilus</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
448	10	05	005	<i>Tinodes eris</i> Malicky & Chantaramongkol 2001	E	✓										Nr. 32

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
449	10	05	006	<i>Tinodes hephaistos</i> Malicky & Chantaramongkol 2003	N	✓										
450	10	05	007	<i>Tinodes jicha</i> Malicky & Chantaramongkol 1989		✓										Nr. 6
451	10	05	008	<i>Tinodes kuchlik</i> Malicky & Melnitsky 2008	SE	✓										
452	10	05	009	<i>Tinodes lebeli</i> Malicky & Chantaramongkol 1993 (= <i>samkuca</i> Johanson & Olah 2008)	P	✓						✓				Nr. 12
453	10	05	010	<i>Tinodes mahalat</i> Malicky & Chantaramongkol 2009	N	✓										Braueria 36
454	10	05	011	<i>Tinodes mogetius</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
455	10	05	012	<i>Tinodes pittheus</i> Malicky & Changthong 2006	N	✓										Nr. 41
456	10	05	013	<i>Tinodes ragar</i> Malicky & Chantaramongkol 1989	N, E, P	✓										Nr. 6
457	10	05	014	<i>Tinodes ragu</i> Malicky & Chantaramongkol 1993 (= <i>suksa</i> Johanson & Olah 2008)	N, SW, SE, P	✓						✓				Nr. 12
458	10	05	015	<i>Tinodes reuso</i> Malicky & Chantaramongkol 1993	N, NE	✓					✓					Nr. 12
459	10	05	016	<i>Tinodes sarai</i> Malicky & Chantaramongkol 1993		✓										Nr. 12
460	10	05	017	<i>Tinodes sateius</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
461	10	05	018	<i>Tinodes sitto</i> Malicky & Chantaramongkol 1993	N, P	✓										Nr. 12
462	10	05	019	<i>Tinodes theseus</i> Malicky & Prommi 2006	P	✓										Nr. 42
463	10	05	020	<i>Tinodes wodgabay</i> Malicky & Chantaramongkol 1989	N, NE, P	✓										Nr. 6
464	11	01	001	<i>Abaria ateduma</i> Malicky & Chantaramongkol 1992	N	✓										Nr. 11
465	11	01	002	<i>Abaria boripat</i> Malicky & Chantaramongkol 1993	P	✓										Nr. 12
466	11	01	003	<i>Abaria guatila</i> Malicky & Chantaramongkol 1992	N, P	✓										Nr. 11
467	11	01	004	<i>Abaria hamul</i> Malicky & Chantaramongkol 2009	NE	✓										Braueria 36
468	11	01	005	<i>Abaria hemdan</i> Malicky & Chantaramongkol 2009	P	✓										Braueria 36
469	11	01	006	<i>Abaria heth</i> Malicky & Chantaramongkol 2009	SW	✓										Braueria 36
470	11	01	007	<i>Abaria iuma</i> Malicky & Chantaramongkol 1992	P	✓										Nr. 11
471	11	02	001	<i>Cnodocentron brogimarus</i> Malicky & Chantaramongkol 1992	N	✓										Nr. 11
472	11	03	001	<i>Drepanocentron curmisagius</i> Malicky & Chantaramongkol 1992	N, SW, P	✓					✓					Nr. 11

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
473	11	03	002	<i>Drepanocentron jubal</i> Malicky & Chantaramongkol 2009	N	✓										Braueria 36
474	11	03	003	<i>Drepanocentron vercaius</i> Malicky & Chantaramongkol 1992	N, P	✓										Nr. 11
475	11	04	001	<i>Melanotrichia attia</i> Malicky & Chantaramongkol 1992	N, P	✓										Nr. 11
476	11	04	002	<i>Melanotrichia hanuman</i> Malicky & Chantaramongkol 1993	E, P	✓				✓						Nr. 12
477	11	04	003	<i>Melanotrichia mayavi</i> Malicky & Chantaramongkol 1993	P	✓										Nr. 12
478	11	04	004	<i>Melanotrichia samaconius</i> Malicky & Chantaramongkol 1992	N, SW, P	✓		✓							✓	Nr. 11
479	11	05	001	<i>Proxiphocentron arjinae</i> Malicky & Chantaramongkol 1993	P	✓										Nr. 12
480	11	05	002	<i>Proxiphocentron patrus</i> Malicky & Chantaramongkol 2009	SW	✓										Braueria 36
481	12	01	001	<i>Ecnomus aktaion</i> Malicky & Chantaramongkol 1997	N, NE, P	✓	✓									Nr. 20
482	12	01	002	<i>Ecnomus alkaios</i> Malicky & Chantaramongkol 1997	N, E	✓										Nr. 20
483	12	01	003	<i>Ecnomus alkestis</i> Malicky & Chantaramongkol 1997	N, P	✓					✓					Nr. 20
484	12	01	004	<i>Ecnomus alkinoos</i> Malicky & Chantaramongkol 1997	N	✓										Nr. 20
485	12	01	005	<i>Ecnomus alkmaion</i> Malicky & Chantaramongkol 1997	NE	✓										Nr. 20
486	12	01	006	<i>Ecnomus alkmene</i> Malicky & Chantaramongkol 1997	NE, E, P	✓										Nr. 20
487	12	01	007	<i>Ecnomus areion</i> Malicky 1999	N	✓					✓					Nr. 28
488	12	01	008	<i>Ecnomus argonautos</i> Laudee & Malicky 1999	N	✓					✓					Nr. 27
489	12	01	009	<i>Ecnomus atevalus</i> Malicky & Chantaramongkol 1993	N, E, SE, P	✓					✓					Nr. 12
490	12	01	010	<i>Ecnomus battu</i> Malicky 1983	P	✓				✓		✓				
491	12	01	011	<i>Ecnomus bou</i> Malicky & Chantaramongkol 1993	N, P	✓										Nr. 12
492	12	01	012	<i>Ecnomus caesar</i> Malicky & Chaibu 2000	NE	✓			✓							Nr. 30
493	12	01	013	<i>Ecnomus cattienensis</i> Malicky 1995	N, E	✓					✓					Nr. 18
494	12	01	014	<i>Ecnomus cincibilus</i> Malicky & Chantaramongkol 1993	N, P	✓										Nr. 12
495	12	01	015	<i>Ecnomus digitatus</i> Mosely 1932	N, P	✓				✓		✓				
496	12	01	016	<i>Ecnomus doros</i> Malicky & Thani 2000	P	✓										Nr. 31
497	12	01	017	<i>Ecnomus eurytos</i> Malicky & Silalom 2000	N	✓										Nr. 30
498	12	01	018	<i>Ecnomus hyacinthos</i> Malicky & Changthong 2004	N	✓										Nr. 36

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
499	12	01	019	<i>Ecnomus hypnos</i> Malicky & Nuntakwang 2004	N	✓										Nr. 36
500	12	01	020	<i>Ecnomus ilos</i> Malicky & Prommi 2004	SW	✓										Nr. 36
501	12	01	021	<i>Ecnomus jojachin</i> Malicky & Chantaramongkol 1993	N, NE, SE, P	✓										Nr. 12
502	12	01	022	<i>Ecnomus lapithos</i> Malicky & Prommi 2006	P	✓										Nr. 42
503	12	01	023	<i>Ecnomus mammus</i> Malicky & Chantaramongkol 1993	N, C, SE	✓					✓					Nr. 12
504	12	01	024	<i>Ecnomus neri</i> Malicky & Chantaramongkol 1993	P	✓						✓				Nr. 12
505	12	01	025	<i>Ecnomus paget</i> Malicky & Chantaramongkol 1997	N, E, P	✓					✓					Nr. 20
506	12	01	026	<i>Ecnomus penjabi</i> Schmid 1961		✓										
507	12	01	027	<i>Ecnomus plaiwat</i> Malicky & Chantaramongkol 1993	P	✓										Nr. 12
508	12	01	028	<i>Ecnomus promat</i> Malicky & Chantaramongkol 1993	NE, P	✓					✓	✓				Nr. 12
509	12	01	029	<i>Ecnomus pseudotenellus</i> Ulmer 1930	N, SW, P	✓				✓	✓	✓				
510	12	01	030	<i>Ecnomus puro</i> Malicky & Chantaramongkol 1993	N, NE, SW, SE, P	✓	✓				✓					Nr. 12
511	12	01	031	<i>Ecnomus quordaio</i> Malicky 1993	N	✓		✓		✓	✓					
512	12	01	032	<i>Ecnomus ramayana</i> Malicky & Chantaramongkol 1993	P	✓							✓			Nr. 12
513	12	01	033	<i>Ecnomus robustior</i> Ulmer 1951	N, P	✓		✓		✓			✓			
514	12	01	034	<i>Ecnomus silenos</i> Malicky & Prommi 2006	P	✓							✓			Nr. 42
515	12	01	035	<i>Ecnomus stentor</i> Malicky & Prommi 2006	P	✓										Nr. 42
516	12	01	036	<i>Ecnomus suadrus</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
517	12	01	037	<i>Ecnomus talenoi</i> Malicky & Chantaramongkol 1993	SE, P	✓										Nr. 12
518	12	01	038	<i>Ecnomus thamar</i> Malicky & Laudee 2009	N	✓			✓							Braueria 36
519	12	01	039	<i>Ecnomus thamyris</i> Malicky & Prommi 2006	P	✓										Nr. 42
520	12	01	040	<i>Ecnomus thogarma</i> Malicky & Chantaramongkol 2009	SW	✓										Braueria 36
521	12	01	041	<i>Ecnomus tinco</i> Malicky & Chantaramongkol 1993	N, NE	✓										Nr. 12
522	12	01	042	<i>Ecnomus totiio</i> Malicky & Chantaramongkol 1993	N, C, SE, P	✓										Nr. 12
523	12	01	043	<i>Ecnomus uttu</i> Malicky & Chantaramongkol 1993	N, NE, SE, E, P	✓					✓					Nr. 12
524	12	01	044	<i>Ecnomus venimar</i> Malicky & Chantaramongkol 1993	N, NE, SE, P	✓										Nr. 12

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
525	12	01	045	<i>Ecnomus vibenus</i> Malicky & Chantaramongkol 1993	N, C, NE, SE, E, P	✓										Nr. 12
526	12	01	046	<i>Ecnomus volovicus</i> Malicky & Chantaramongkol 1993	N, NE, SE, C, E, P	✓	✓		✓							Nr. 12
527	12	01	047	<i>Ecnomus votticius</i> Malicky & Chantaramongkol 1993	N, NE, SE, C, P	✓				✓						Nr. 12
528	12	01	048	<i>Ecnomus zephyros</i> Malicky & Prommi 2006	P	✓										Nr. 42
529	13	01	001	<i>Arctopsyche hynreck</i> Malicky & Chantaramongkol 1991 (= <i>clasnaumanni</i> Mey 2005)	N	✓					✓					Nr. 7
530	13	01	002	<i>Arctopsyche variabilis</i> Schmid 1968	N	✓										
531	13	02	001	<i>Maesaipsyche prichapanyai</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
532	13	02	002	<i>Maesaipsyche stengeli</i> Malicky 1997	N	✓										
533	13	03	001	<i>Parapsyche intawitschajanon</i> Malicky & Chantaramongkol 1992	N	✓										Nr. 11
534	14	01	001	<i>Aethaloptera sexpunctata</i> Kolenati 1859 (cf. <i>gracilis</i> Martynov 1835)	N, P	✓			✓	✓	✓	✓			✓	
535	14	02	001	<i>Amphipsyche gratiosa</i> Navas 1922	N, NE	✓	✓		✓		✓					
536	14	02	002	<i>Amphipsyche meridiana</i> Ulmer 1909	N, E, C, P	✓	✓	✓	✓	✓	✓	✓				
537	14	03	001	<i>Cheumatopsyche admetos</i> Malicky & Chantaramongkol 1996	N	✓										Nr. 19
538	14	03	002	<i>Cheumatopsyche automedon</i> Malicky & Chantaramongkol 1997	N	✓										Nr. 22
539	14	03	003	<i>Cheumatopsyche banksi</i> Mosely 1942	N, P	✓				✓	✓					
540	14	03	004	<i>Cheumatopsyche caieta</i> Malicky & Chantaramongkol 1997	N	✓			✓		✓					Nr. 22
541	14	03	005	<i>Cheumatopsyche carmentis</i> Malicky & Chantaramongkol 1997	N, SE	✓			✓							Nr. 22
542	14	03	006	<i>Cheumatopsyche carna</i> Malicky & Chantaramongkol 1997 (= <i>rienga</i> Olah & Johanson 2008)	N, NE, SW, P	✓			✓		✓					Nr. 22
543	14	03	007	<i>Cheumatopsyche ceres</i> Malicky & Chantaramongkol 1997	N	✓					✓					Nr. 22
544	14	03	008	<i>Cheumatopsyche chariklo</i> Malicky & Chantaramongkol 1997	N, SW	✓										Nr. 22
545	14	03	009	<i>Cheumatopsyche charites</i> Malicky & Chantaramongkol 1997	N, NE, C, SE, P	✓	✓		✓		✓					Nr. 22
546	14	03	010	<i>Cheumatopsyche chione</i> Malicky & Chantaramongkol 1997	N	✓										Nr. 22

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
547	14	03	011	<i>Cheumatopsyche chryseis</i> Malicky & Chantaramongkol 1997	N, NE, SW, P	✓										Nr. 22
548	14	03	012	<i>Cheumatopsyche chrysothemis</i> Malicky & Chantaramongkol 1997 (= <i>engor</i> Olah & Barnard 2008)	N, NE, E, SE, P	✓	✓				✓	✓				Nr. 22
549	14	03	013	<i>Cheumatopsyche cocles</i> Malicky & Chantaramongkol 1997	N	✓										Nr. 22
550	14	03	014	<i>Cheumatopsyche copia</i> Malicky & Chantaramongkol 1997 (= <i>escedii</i> Olah & Johanson 2008, = <i>lolo</i> Olah & Johanson 2008)	N, NE, SW, P	✓			✓		✓	✓				Nr. 22
551	14	03	015	<i>Cheumatopsyche criseyde</i> Malicky & Chantaramongkol 1997	N, NE, SW, SE, E, P	✓			✓							Nr. 22
552	14	03	016	<i>Cheumatopsyche dhanikari</i> Malicky 1979 (= <i>kysonia</i> Olah & Johanson 2008, = <i>songbua</i> Olah & Johanson 2008, = <i>songda</i> Olah & Johanson 2008, = <i>suswanad</i> Olah & Barnard 2008)	N, NE, P	✓					✓		✓			
553	14	03	017	<i>Cheumatopsyche dubitans</i> Mosely 1942	N, P	✓			✓		✓					
554	14	03	018	<i>Cheumatopsyche erawan</i> Malicky & Chantaramongkol 2009	SW	✓										Braueria 36
555	14	03	019	<i>Cheumatopsyche globosa</i> Ulmer 1910	N, NE, SE, P	✓		✓		✓					✓	
556	14	03	020	<i>Cheumatopsyche jaekam</i> Malicky & Chantaramongkol 2009	N, SW	✓										Braueria 36
557	14	03	021	<i>Cheumatopsyche kahat</i> Malicky & Chantaramongkol 2009	P	✓										Braueria 36
558	14	03	022	<i>Cheumatopsyche lucida</i> Ulmer 1907 (= <i>angusta</i> Ulmer 1930, = <i>cognita</i> Ulmer 1951, = <i>hoasena</i> Olah & Johanson 2008)	N, NE, SW, SE, E, P	✓		✓	✓	✓	✓			✓	✓	
559	14	03	023	<i>Cheumatopsyche naphis</i> Malicky & Chantaramongkol 2009	SW	✓										Braueria 36
560	14	03	024	<i>Cheumatopsyche peirithoos</i> Malicky & Changthong 2005	N	✓										
561	14	03	025	<i>Cheumatopsyche pison</i> Malicky & Chantaramongkol 2009	N	✓										Braueria 36
562	14	03	026	<i>Cheumatopsyche saiyok</i> Malicky & Chantaramongkol 2009	SW	✓										Braueria 36
563	14	03	027	<i>Cheumatopsyche schwendingeri</i> Malicky & Chantaramongkol 1997	N	✓										Nr. 22
564	14	03	028	<i>Cheumatopsyche theophane</i> Malicky & Prommi 2006	P	✓										Nr. 42
565	14	03	029	<i>Cheumatopsyche tramota</i> Malicky & Chantaramongkol 1997	N, P	✓						✓				Nr. 22
566	14	03	030	<i>Cheumatopsyche trilari</i> Malicky & Chantaramongkol 1997	N, P	✓						✓				Nr. 22

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
567	14	04	001	<i>Diplectrona aurovittata</i> Ulmer 1906 (= <i>obscura</i> Ulmer 1930, <i>tamdaophila</i> Mey 1998)	N	✓		✓	✓	✓	✓	✓			✓	
568	14	04	002	<i>Diplectrona burha</i> Schmid 1961	N	✓			✓		✓					
569	14	04	003	<i>Diplectrona dulitensis</i> Kimmins 1955	P	✓				✓		✓				
570	14	04	004	<i>Diplectrona eurydike</i> Malicky & Chantaramongkol 2002	N	✓			✓							Nr. 34
571	14	04	005	<i>Diplectrona gombak</i> Oláh 1993	NE, P	✓						✓				
572	14	04	006	<i>Diplectrona harpyia</i> Malicky & Chantaramongkol 2002	N	✓			✓							Nr. 34
573	14	04	007	<i>Diplectrona hermione</i> Malicky & Chantaramongkol 2002	N, P	✓				✓		✓				Nr. 33
574	14	04	008	<i>Diplectrona joannisi</i> Navas 1932	N	✓			✓		✓	✓				
575	14	05	001	<i>Hydromanicus abiud</i> Malicky & Chantaramongkol 1993	N, NE, P	✓										Nr. 12
576	14	05	002	<i>Hydromanicus adonis</i> Malicky & Chantaramongkol 1996	N, P	✓										Nr. 19
577	14	05	003	<i>Hydromanicus almansor</i> Malicky 1993	SW	✓										
578	14	05	004	<i>Hydromanicus chattrakan</i> Chantaramongkol & Malicky 1995	N, NE	✓			✓							Nr. 17
579	14	05	005	<i>Hydromanicus eliakim</i> Malicky & Chantaramongkol 1993	N, NE	✓										Nr. 12
580	14	05	006	<i>Hydromanicus inferior</i> Chantaramongkol & Malicky 1995	N, SW, P	✓										Nr. 17
581	14	05	007	<i>Hydromanicus klanklini</i> Malicky & Chantaramongkol 1993	N, NE, P	✓						✓				Nr. 12
582	14	05	008	<i>Hydromanicus luctuosus</i> Ulmer 1905 (= <i>truncatus</i> Betten 1909)	N, NE	✓			✓							
583	14	05	009	<i>Hydromanicus malayanus</i> Banks 1931		✓						✓				
584	14	05	010	<i>Hydromanicus punctosalis</i> Mey 1996	N	✓					✓					
585	14	05	011	<i>Hydromanicus scotosius</i> Mey 1996	N	✓					✓					
586	14	05	012	<i>Hydromanicus sealthiel</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
587	14	05	013	<i>Hydromanicus serubabel</i> Malicky & Chantaramongkol 1993	N, NE, SW, SE, P	✓										Nr. 12
588	14	06	001	<i>Hydropsyche angkangensis</i> Malicky & Chantaramongkol 2000	N	✓										Nr. 29
589	14	06	002	<i>Hydropsyche appendicularis</i> Martynov 1931	N	✓			✓							
590	14	06	003	<i>Hydropsyche arcturus</i> Malicky & Chantaramongkol 2000	N	✓										Nr. 29

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
591	14	06	004	<i>Hydropsyche askalaphos</i> Malicky & Chantaramongkol 2000	N, NE	✓			✓							Nr. 29
592	14	06	005	<i>Hydropsyche atropos</i> Malicky & Chantaramongkol 2000	N, P	✓			✓			✓				Nr. 29
593	14	06	006	<i>Hydropsyche attis</i> Malicky & Chantaramongkol 2000	N	✓										Nr. 29
594	14	06	007	<i>Hydropsyche augeias</i> Malicky & Chantaramongkol 2000	N	✓										Nr. 29
595	14	06	008	<i>Hydropsyche bracchus</i> Malicky & Chantaramongkol 2000	N	✓										Nr. 29
596	14	06	009	<i>Hydropsyche baimaii</i> Malicky & Chantaramongkol 2000	N	✓										Nr. 29
597	14	06	010	<i>Hydropsyche battos</i> Malicky & Chantaramongkol 2000	N	✓			✓							Nr. 29
598	14	06	011	<i>Hydropsyche baubo</i> Malicky & Chantaramongkol 2000	N, NE	✓										Nr. 29
599	14	06	012	<i>Hydropsyche binaria</i> Mey 1996	N	✓										
600	14	06	013	<i>Hydropsyche bonuseventus</i> Malicky & Chantaramongkol 2000	N	✓			✓							Nr. 29
601	14	06	014	<i>Hydropsyche bootes</i> Malicky & Chantaramongkol 2000	N	✓										Nr. 29
602	14	06	015	<i>Hydropsyche boreas</i> Malicky & Chantaramongkol 2000	N	✓			✓		✓					Nr. 29
603	14	06	016	<i>Hydropsyche briareus</i> Malicky & Chantaramongkol 2000	N, NE	✓										Nr. 29
604	14	06	017	<i>Hydropsyche brontes</i> Malicky & Chantaramongkol 2000	N, P	✓							✓			Nr. 29
605	14	06	018	<i>Hydropsyche cacus</i> Malicky & Chantaramongkol 2000	N, SE	✓										Nr. 29
606	14	06	019	<i>Hydropsyche camillus</i> Malicky & Chantaramongkol 2000	N, NE, P	✓			✓		✓					Nr. 29
607	14	06	020	<i>Hydropsyche cerva</i> Li & Tian 1990	N, NE	✓			✓		✓					
608	14	06	021	<i>Hydropsyche clitumnus</i> Malicky & Chantaramongkol 2000	N	✓			✓							Nr. 29
609	14	06	022	<i>Hydropsyche doctersi</i> Ulmer 1951	N, NE, P	✓		✓	✓		✓	✓				
610	14	06	023	<i>Hydropsyche formosana</i> Ulmer 1911 (= <i>dolosa</i> Banks 1939)	N	✓	✓				✓					
611	14	06	024	<i>Hydropsyche eliphas</i> Malicky & Chantaramongkol 2009	SW	✓										Braueria 36
612	14	06	025	<i>Hydropsyche harpagofalcata</i> Mey 1995 (= <i>adrastos</i> Malicky & Chantaramongkol 1996)	N, NE	✓			✓		✓					
613	14	06	026	<i>Hydropsyche napaea</i> Mey 1996	N, NE	✓					✓					
614	14	06	027	<i>Hydropsyche pallipenne</i> Banks 1938	N, P	✓	✓				✓		✓			

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
615	14	06	028	<i>Hydropsyche tetrachotona</i> Li & Tian 1990		✓										
616	14	06	029	<i>Hydropsyche theman</i> Malicky & Chantaramongkol 2009	SW	✓										Braueria 36
617	14	06	030	<i>Hydropsyche uvana</i> Malicky & Chantaramongkol 2000	N, NE	✓			✓		✓					Nr. 29
618	14	07	001	<i>Macrostemum albardana</i> Banks 1931	P	✓					✓	✓				
619	14	07	002	<i>Macrostemum bellerophon</i> Malicky & Chantaramongkol 1998	N	✓										Nr. 24
620	14	07	003	<i>Macrostemum dione</i> Malicky & Chantaramongkol 1998	N, P	✓			✓	✓	✓	✓				Nr. 24
621	14	07	004	<i>Macrostemum dohrni</i> Ulmer 1905	N, SE, P	✓	✓			✓	✓	✓				
622	14	07	005	<i>Macrostemum fastosum</i> Walker 1852	N, NE	✓		✓	✓	✓	✓				✓	
623	14	07	006	<i>Macrostemum fenestratum</i> Albarda 1887	NE, C, SE, SW, P	✓	✓	✓	✓	✓	✓	✓				
624	14	07	007	<i>Macrostemum floridum</i> Navas 1929	N,NE,C,SW, SE,P	✓	✓		✓		✓					
625	14	07	008	<i>Macrostemum hestia</i> Malicky & Chantaramongkol 1998	N, NE, P	✓			✓			✓				Nr. 24
626	14	07	009	<i>Macrostemum indistinctum</i> Banks 1911		✓	✓		✓	✓	✓	✓				No. 37
627	14	07	010	<i>Macrostemum midas</i> Malicky & Chantaramongkol 1998	N,NE,C,S, SE,E,P	✓	✓		✓		✓	✓				Nr. 24
628	14	07	011	<i>Macrostemum punctatum</i> Betten 1909 (= <i>mithras</i> Malicky & Chantaramongkol 2003, cf. <i>pallidipenis</i> Martynov 1935)	N	✓										
629	14	07	012	<i>Macrostemum seba</i> Malicky & Prommi 2009	P	✓										Braueria 36
630	14	08	001	<i>Oestropsyche vitrina</i> Hagen 1895	N	✓		✓	✓	✓		✓				
631	14	09	001	<i>Polymorphanisus astictus</i> Navas 1923	N, NE, E, P	✓				✓		✓				
632	14	09	002	<i>Polymorphanisus nigricornis</i> Walker 1852	N, P	✓		✓	✓	✓	✓	✓				
633	14	09	003	<i>Polymorphanisus ocularis</i> Ulmer 1906	C, SE, P	✓		✓	✓	✓	✓	✓				
634	14	09	004	<i>Polymorphanisus unipunctus</i> Banks 1939		✓			✓		✓					
635	14	10	001	<i>Potamyia alleni</i> Malicky & Chantaramongkol 1997	N, P	✓										Nr. 22
636	14	10	002	<i>Potamyia baenzigeri</i> Malicky & Chantaramongkol 1997	N, NE	✓										Nr. 22
637	14	10	003	<i>Potamyia chaos</i> Malicky & Thani 2000	P	✓										Nr. 30
638	14	10	004	<i>Potamyia dryope</i> Malicky & Thani 2000	N, P	✓						✓				Nr. 31
639	14	10	005	<i>Potamyia elektra</i> Malicky & Chantaramongkol 2001	N	✓										Nr. 32

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
640	14	10	006	<i>Potamyia epigona</i> Malicky & Chantaramongkol 2001	N	✓			✓							Nr. 32
641	14	10	007	<i>Potamyia euadne</i> Malicky & Chantaramongkol 2001	N, NE	✓					✓					Nr. 32
642	14	10	008	<i>Potamyia flavata</i> Banks 1934 (= <i>klakahana</i>)	N,NE,C,SW,SE,E	✓		✓	✓	✓	✓	✓			✓	
643	14	10	009	<i>Potamyia horvati</i> Malicky & Chantaramongkol 1997	N	✓										Nr. 22
644	14	10	010	<i>Potamyia panakeia</i> Malicky & Chantaramongkol 1997	N, NE	✓										Nr. 22
645	14	10	011	<i>Potamyia peitho</i> Malicky & Chantaramongkol 1997	N	✓			✓							Nr. 22
646	14	10	012	<i>Potamyia periboia</i> Malicky & Chantaramongkol 1997	N	✓			✓							Nr. 22
647	14	10	013	<i>Potamyia phaidra</i> Malicky & Chantaramongkol 1997	N, C, SW, SE, P	✓			✓		✓					Nr. 22
648	14	11	001	<i>Pseudoleptonema erawan</i> Malicky & Chantaramongkol 2001	N, SW	✓										Nr. 32
649	14	11	002	<i>Pseudoleptonema quinquefasciatum</i> Martynov 1935	N, NE, P	✓			✓		✓					
650	14	11	003	<i>Pseudoleptonema supalak</i> Malicky & Chantaramongkol 1998	N, NE, P	✓					✓					Nr. 24
651	14	12	001	<i>Trichomacronema paniae</i> Malicky & Chantaramongkol 1991	N	✓										Nr. 9
652	14	12	002	<i>Trichomacronema tamdao</i> Malicky 1998	N	✓					✓					Nr. 24
653	15	01	001	<i>Eubasilissa maclachlani</i> White 1862	N	✓			✓		✓					
654	16	01	001	<i>Phryganopsyche latipennis</i> Banks 1906	N	✓					✓					
655	17	01	001	<i>Micrasema asuro</i> Malicky & Chantaramongkol 1992	N	✓										Nr. 11
656	17	01	002	<i>Micrasema cupido</i> Malicky & Chaibu 2000	NE	✓										Nr. 30
657	17	01	003	<i>Micrasema fortiso</i> Malicky & Chantaramongkol 1992	N, P	✓										Nr. 11
658	17	01	004	<i>Micrasema helveio</i> Malicky & Chantaramongkol 1992	N	✓										Nr. 11
659	17	01	005	<i>Micrasema kyknos</i> Malicky & Nawvong 2004	N	✓										Nr. 36
660	17	01	006	<i>Micrasema turbo</i> Malicky & Chantaramongkol 1992	N	✓					✓					Nr. 11
661	18	01	001	<i>Limnocentropus apollon</i> Malicky 1999	N	✓										Nr. 28
662	18	01	002	<i>Limnocentropus auratus</i> Malicky & Chantaramongkol 1989	N	✓										Nr. 6
663	18	01	003	<i>Limnocentropus hysbald</i> Malicky & Chantaramongkol 1991	N	✓			✓							Nr. 7
664	18	01	004	<i>Limnocentropus inthanonensis</i> Malicky & Chantaramongkol 1989	N	✓										Nr. 6

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
665	18	01	005	<i>Limnocentropus sammuanensis</i> Malicky & Chantaramongkol 1989	N	✓			✓							Nr. 6
666	18	01	006	<i>Limnocentropus siribhumensis</i> Malicky & Chantaramongkol 1989	N	✓										Nr. 6
667	19	01	001	<i>Moropsyche gerolan</i> Malicky & Chantaramongkol 1991	N	✓										Nr. 7
668	19	01	002	<i>Moropsyche huaisailianga</i> Malicky & Chantaramongkol 1989	N	✓										Nr. 6
669	19	01	003	<i>Moropsyche inachos</i> Malicky & Chantaramongkol 2003	N	✓										No. 38
670	19	01	004	<i>Moropsyche suteminn</i> Malicky & Chantaramongkol 1991	N	✓										Nr. 7
671	19	02	001	<i>Nothopsyche muqua</i> Malicky & Chantaramongkol 1989	N	✓					✓					Nr. 6
672	20	01	001	<i>Gastrocentrides sumatrana</i> Ulmer 1930 (= <i>evansi</i> Mosely 1939)	N, NE, P	✓	✓	✓		✓	✓				✓	
673	20	02	001	<i>Goera antigone</i> Malicky & Chantaramongkol 1997	N, NE	✓										Nr. 20
674	20	02	002	<i>Goera ateduna</i> Malicky & Chantaramongkol 1992	N, SW, P	✓										Nr. 10
675	20	02	003	<i>Goera atiugo</i> Malicky & Chantaramongkol 1992	N, P	✓										Nr. 10
676	20	02	004	<i>Goera devinat</i> Malicky & Chantaramongkol 1992	N	✓										Nr. 10
677	20	02	005	<i>Goera echo</i> Malicky & Thani 2000	N, P	✓						✓				Nr. 31
678	20	02	006	<i>Goera ilo</i> Malicky & Chantaramongkol 1992	N, NE	✓										Nr. 10
679	20	02	007	<i>Goera mandana</i> Mosely 1938	N	✓			✓		✓		✓			Nr. 40
680	20	02	008	<i>Goera matuilla</i> Malicky & Chantaramongkol 1992	N, NE, SW	✓			✓							Nr. 10
681	20	02	009	<i>Goera minor</i> Mosely 1938	N, E	✓										Nr. 40
682	20	02	010	<i>Goera redsat</i> Malicky & Chantaramongkol 1992	N, P	✓										Nr. 10
683	20	02	011	<i>Goera redsamar</i> Malicky & Chantaramongkol 1992	N	✓										Nr. 10
684	20	02	012	<i>Goera schmidi</i> Denning 1982	N	✓										Nr. 41
685	20	02	013	<i>Goera seccio</i> Malicky & Chantaramongkol 1992	N, C, SE, E	✓										Nr. 10
686	20	02	014	<i>Goera trouca</i> Malicky & Chantaramongkol 1992	N	✓										Nr. 10
687	20	02	015	<i>Goera unica</i> Ulmer 1951 (= <i>solicur</i>)	N, P	✓				✓	✓					
688	20	02	016	<i>Goera uniformis</i> Banks 1931 (= <i>tarumana</i> Malicky 1978)	N, SW, P	✓				✓	✓	✓				
689	20	03	001	<i>Larcasia lannaensis</i> Malicky & Chantaramongkol 1996	N	✓										Nr. 19

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
690	21	01	001	<i>Uenoa hiberna</i> Kimmins 1964	N	✓										
691	21	01	002	<i>Uenoa ketura</i> Malicky 2009	N	✓										Braueria 36
692	22	01	029	<i>Lepidostoma abruptus</i> Banks 1931	N, P	✓	✓			✓		✓				
693	22	01	001	<i>Lepidostoma aprilius</i> Malicky & Chantaramongkol 1994	N	✓										Nr. 14
694	22	01	002	<i>Lepidostoma augustus</i> Malicky & Chantaramongkol 1994	N	✓	✓		✓			✓				Nr. 14
695	22	01	003	<i>Lepidostoma baenzigeri</i> Malicky & Chantaramongkol 1994	N	✓										Nr. 14
696	22	01	004	<i>Lepidostoma brevipennis</i> Olah 1993	N	✓							✓			
697	22	01	005	<i>Lepidostoma brueckmanni</i> Malicky & Chantaramongkol 1994	N	✓							✓			Nr. 14
698	22	01	006	<i>Lepidostoma curatius</i> Malicky & Prommi 2000	N	✓			✓							Nr. 30
699	22	01	007	<i>Lepidostoma daidalion</i> Malicky & Prommi 2000	N, NE	✓										Nr. 30
700	22	01	008	<i>Lepidostoma diespiter</i> Malicky & Saengpradab 2001	N, NE	✓										Nr. 32
701	22	01	030	<i>Lepidostoma digitata</i> Mosely 1949	N	✓			✓							
702	22	01	031	<i>Lepidostoma divaricatum</i> Weaver 1989		✓					✓					
703	22	01	032	<i>Lepidostoma doligung</i> Malicky 1979	N, P	✓	✓		✓	✓	✓		✓			Nr. 40
704	22	01	009	<i>Lepidostoma februaryi</i> Malicky & Chantaramongkol 1994	N	✓										Nr. 14
705	22	01	010	<i>Lepidostoma fischeri</i> Malicky & Chantaramongkol 1994	N	✓										Nr. 14
706	22	01	033	<i>Lepidostoma girgas</i> Malicky & Chantaramongkol 2008	P	✓	✓									
707	22	01	011	<i>Lepidostoma huaynamdang</i> Malicky & Chantaramongkol 1994	N	✓										Nr. 14
708	22	01	034	<i>Lepidostoma ianus</i> Malicky & Thamsenanupap 2005	N	✓										Nr. 37
709	22	01	012	<i>Lepidostoma inthanon</i> Malicky & Chantaramongkol 1994	N	✓										Nr. 14
710	22	01	013	<i>Lepidostoma kimsa</i> Mosely 1941		✓										
711	22	01	014	<i>Lepidostoma kyllaros</i> Malicky & Changthong 2005	N	✓										Nr. 37
712	22	01	015	<i>Lepidostoma labdakos</i> Malicky & Changthong 2005	N	✓										Nr. 37
713	22	01	016	<i>Lepidostoma lannaensis</i> Malicky & Chantaramongkol 1994	N	✓										Nr. 14
714	22	01	035	<i>Lepidostoma latona</i> Malicky & Changthong 2004	N	✓										Nr. 36
715	22	01	017	<i>Lepidostoma martius</i> Malicky & Chantaramongkol 1994	N	✓										Nr. 14

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
716	22	01	036	<i>Lepidostoma montatan</i> Malicky & Chantaramongkol 1994	N	✓					✓					Nr. 14
717	22	01	018	<i>Lepidostoma moulmina</i> Mosely 1949	N, NE	✓					✓					
718	22	01	019	<i>Lepidostoma navasi</i> Weaver 2002 (= <i>Crunoeciella hirta</i> Navas 1932, = <i>timbaka</i>)	N	✓					✓					Nr. 33
719	22	01	020	<i>Lepidostoma octobrius</i> Malicky & Chantaramongkol 1994	N	✓										Nr. 14
720	22	01	021	<i>Lepidostoma palmipes</i> Ito 1986		✓										
721	22	01	022	<i>Lepidostoma parva</i> Mosely 1941	N	✓										
722	22	01	023	<i>Lepidostoma pratetaiensis</i> Malicky & Chantaramongkol 1994	N, SW	✓										Nr. 14
723	22	01	037	<i>Lepidostoma pseudabruptum</i> Malicky & Chantaramongkol 1994	N, NE, SE	✓			✓		✓					Nr. 14
724	22	01	038	<i>Lepidostoma ratanapruksi</i> Malicky & Chantaramongkol 1994	N	✓										Nr. 14
725	22	01	039	<i>Lepidostoma schwendingeri</i> Malicky & Chantaramongkol 1994	P	✓										Nr. 14
726	22	01	024	<i>Lepidostoma septembrius</i> Malicky & Chantaramongkol 1994	N	✓										Nr. 14
727	22	01	025	<i>Lepidostoma shanta</i> Mosely 1941		✓										
728	22	01	026	<i>Lepidostoma siribhum</i> Malicky & Chantaramongkol 1994	N	✓										Nr. 14
729	22	01	027	<i>Lepidostoma taungya</i> Mosely 1949 (= <i>tungyawensis</i> M&C 1994)		✓										
730	22	01	040	<i>Lepidostoma varithi</i> Malicky & Chantaramongkol 1994	N	✓										Nr. 14
731	22	01	028	<i>Lepidostoma ylesomi</i> Weaver 2002 (= <i>brunnea</i> Mosely 1941)		✓										Nr. 33
732	22	02	001	<i>Paraphlegopteryx angkangensis</i> Weaver 1999	N	✓			✓							
733	22	02	002	<i>Paraphlegopteryx malickyi</i> Weaver 1999	N	✓			✓		✓					
734	22	03	001	<i>Zephyropsyche weaveri</i> Malicky & Chantaramongkol 1994	N	✓					✓					Nr. 14
735	23	01	001	<i>Adicella acutangularis</i> Yang & Morse 2000		✓										Nr. 30
736	23	01	002	<i>Adicella alcyco</i> Schmis 1994		✓										
737	23	01	003	<i>Adicella elon</i> Malicky & Prommi 2008	P	✓										
738	23	01	004	<i>Adicella evadna</i> Schmid 1994	N, NE, P	✓			✓	✓						
739	23	01	005	<i>Adicella hero</i> Malicky & Chantaramongkol 2002	N	✓										Nr. 33

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
740	23	01	006	<i>Adicella iole</i> Malicky & Chantaramongkol 2002		✓										Nr. 33
741	23	01	007	<i>Adicella iphimediaia</i> Malicky & Chantaramongkol 2002	N	✓										Nr. 33
742	23	01	008	<i>Adicella iturna</i> Malicky & Saengpradab 2002	NE	✓										Nr. 33
743	23	01	009	<i>Adicella kanake</i> Malicky & Chantaramongkol 2002	N, NE, SE, P	✓	✓		✓	✓						Nr. 33
744	23	01	010	<i>Adicella klytaimestra</i> Malicky & Chantaramongkol 2002		✓										Nr. 33
745	23	01	011	<i>Adicella koronis</i> Malicky & Thani 2002	N, P	✓				✓		✓				Nr. 33
746	23	01	012	<i>Adicella larentia</i> Malicky & Cheunbarn 2002	N	✓										Nr. 33
747	23	01	013	<i>Adicella longicerca</i> Kimmins 1963	N	✓										
748	23	01	014	<i>Adicella medaia</i> Malicky & Chantaramongkol 2002	N	✓										Nr. 33
749	23	01	015	<i>Adicella otos</i> Malicky & Chantaramongkol 2006	N	✓										Nr. 40
750	23	01	016	<i>Adicella petraios</i> Malicky & Thamsenanupap 2005	N	✓										Nr. 37
751	23	01	017	<i>Adicella remus</i> Malicky & Chantaramongkol 2006	N	✓										Nr. 40
752	23	01	018	<i>Adicella rheia</i> Malicky & Chantaramongkol 2006	SW, C	✓										Nr. 40
753	23	01	019	<i>Adicella romulus</i> Malicky & Thamsenanupap 2006	N	✓										Nr. 40
754	23	01	020	<i>Adicella starmuehlneri</i> Malicky & Thamsenanupap2006		✓				✓			✓			
755	23	02	001	<i>Athripsodes phokos</i> Malicky & Bunlue 2006	N	✓										Nr. 40
756	23	03	001	<i>Ceraclea egeria</i> Malicky & Chaibu 2000	N, P	✓										Nr. 31
757	23	03	002	<i>Ceraclea globosa</i> Yang & Morse 1988	N	✓										No. 38
758	23	03	003	<i>Ceraclea harmonia</i> Malicky 2002		✓			✓							Nr. 33
759	23	03	004	<i>Ceraclea harpalyke</i> Malicky & Changthong 2002	N, P	✓			✓							Nr. 33
760	23	03	005	<i>Ceraclea hebe</i> Malicky & Sompong 2002	N	✓										Nr. 33
761	23	03	006	<i>Ceraclea hektor</i> Malicky & Bunlue 2004	N	✓										Nr. 36
762	23	03	007	<i>Ceraclea helena</i> Malicky & Laudee 2002		✓			✓		✓					Nr. 33
763	23	03	008	<i>Ceraclea hera</i> Malicky & Cheunbarn 2002	N	✓										Nr. 33
764	23	03	009	<i>Ceraclea hersilia</i> Malicky & Changthong 2002	P	✓			✓							Nr. 33
765	23	03	010	<i>Ceraclea hippodameia</i> Malicky & Chantaramongkol 2002	NE	✓					✓					Nr. 33

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
766	23	03	011	<i>Ceraclea hydra</i> Malicky 2002	N, NE	✓										Nr. 33
767	23	03	012	<i>Ceraclea iambe</i> Malicky & Prommi 2002	N	✓										Nr. 33
768	23	03	013	<i>Ceraclea idaia</i> Malicky & Chaibu 2002	N	✓			✓		✓					Nr. 33
769	23	03	014	<i>Ceraclea iuno</i> Malicky & Chantaramongkol 2003	N	✓										
770	23	04	001	<i>Leptocerus agamemnon</i> Malicky & Chantaramongkol 1996	SE	✓										Nr. 19
771	23	04	002	<i>Leptocerus agaue</i> Malicky & Chantaramongkol 1996	N	✓										Nr. 19
772	23	04	003	<i>Leptocerus amoenus</i> Ulmer 1951	N, P	✓				✓		✓				
773	23	04	004	<i>Leptocerus bangsaenensis</i> Malicky & Chantaramongkol 1991	SE	✓										Nr. 8
774	23	04	005	<i>Leptocerus bheriensis</i> Malicky 1993		✓				✓						
775	23	04	006	<i>Leptocerus Chiangmaiensis</i> Malicky & Chantaramongkol 1991	N	✓										Nr. 8
776	23	04	007	<i>Leptocerus ciconiae</i> Malicky 1993	P	✓				✓					✓	
777	23	04	008	<i>Leptocerus consus</i> Malicky & Sompong 2000	N	✓				✓						
778	23	04	009	<i>Leptocerus diehli</i> Malicky 1991	N, C, SE	✓				✓						
779	23	04	010	<i>Leptocerus dirghachuka</i> Schmid 1987	N, NE, SE, P	✓										Nr. 39
780	23	04	011	<i>Leptocerus dryade</i> Malicky & Cheunbarn 2001	N	✓										Nr. 32
781	23	04	012	<i>Leptocerus euros</i> Malicky & Prommi 2002	N	✓										Nr. 33
782	23	04	013	<i>Leptocerus fames</i> Malicky & Chantaramongkol 2002	NE	✓										Nr. 33
783	23	04	014	<i>Leptocerus faunus</i> Malicky & Chantaramongkol 2002	SW, P	✓	✓									Nr. 33
784	23	04	015	<i>Leptocerus faustus</i> Malicky & Chantaramongkol 2002	NE	✓										Nr. 33
785	23	04	016	<i>Leptocerus febris</i> Malicky & Chantaramongkol 2002	N	✓										Nr. 33
786	23	04	017	<i>Leptocerus ganymedes</i> Malicky & Chantaramongkol 2002	N	✓										Nr. 33
787	23	04	018	<i>Leptocerus glaukos</i> Malicky & Chantaramongkol 2002	SW	✓										Nr. 33
788	23	04	019	<i>Leptocerus gorgona</i> Malicky & Chantaramongkol 2003	NE	✓										Nr. 39
789	23	04	020	<i>Leptocerus hekale</i> Malicky & Chantaramongkol 2003	NE	✓										Nr. 35
790	23	04	021	<i>Leptocerus hylaios</i> Malicky & Thamsenanupap 2005	N	✓										Nr. 37
791	23	04	022	<i>Leptocerus inthanonensis</i> Malicky & Chantaramongkol 1991	N, SW, SE, P	✓						✓				Nr. 8

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
792	23	04	023	<i>Leptocerus iuventas</i> Malicky & Changthong 2004	N	✓										Nr. 36
793	23	04	024	<i>Leptocerus keleos</i> Malicky & Chantaramongkol 2003	N	✓										Nr. 39
794	23	04	025	<i>Leptocerus kritamukha</i> Schmid 1987		✓										
795	23	04	026	<i>Leptocerus lampunensis</i> Malicky & Chantaramongkol 1991	N	✓										Nr. 8
796	23	04	027	<i>Leptocerus lanzengergeri</i> Malicky & Chantaramongkol 1991	N, NE, SW	✓										Nr. 8
797	23	04	028	<i>Leptocerus masik</i> Malicky 1995		✓					✓					Nr. 18
798	23	04	029	<i>Leptocerus posticoides</i> Malicky 1995	N, P	✓					✓					Nr. 18
799	23	04	030	<i>Leptocerus posticus</i> Banks 1911	N, SW, SE	✓										Nr. 39
800	23	04	031	<i>Leptocerus proitos</i> Malicky & Chantaramongkol 2006	NE	✓										Nr. 40
801	23	04	032	<i>Leptocerus promkutkaewi</i> Malicky & Chantaramongkol 1991	N	✓										Nr. 8
802	23	04	033	<i>Leptocerus protesilaos</i> Malicky & Prommi 2006	N, P	✓										Nr. 39
803	23	04	034	<i>Leptocerus rutulus</i> Malicky & Prommi 2006	P	✓										Nr. 39
804	23	04	035	<i>Leptocerus skamandrios</i> Malicky & Prommi 2006	N, P	✓										Nr. 39
805	23	04	036	<i>Leptocerus suthepensis</i> Malicky & Chantaramongkol 1991	N, SE	✓										Nr. 8
806	23	04	037	<i>Leptocerus trophonios</i> Malicky & Chantaramongkol 2006	N	✓										Nr. 40
807	23	04	038	<i>Leptocerus tungyawensis</i> Malicky & Chantaramongkol 1991	N	✓										Nr. 8
808	23	04	039	<i>Leptocerus tursiops</i> Malicky 1979	P	✓					✓		✓			Nr. 39
809	23	04	040	<i>Leptocerus wangtakraiensis</i> Malicky & Chantaramongkol 1991	N, C	✓										Nr. 8
810	23	04	041	<i>Leptocerus wanleelagi</i> Malicky & Chantaramongkol 1991	N, SW	✓						✓				Nr. 8
811	23	04	042	<i>Leptocerus zalmoxis</i> Malicky & Prommi 2006	P	✓										Nr. 39
812	23	05	001	<i>Mystacides elongatus</i> Yamamoto & Ross 1966	N	✓										Nr. 39
813	23	06	001	<i>Oecetis aedon</i> Malicky & Chantaramongkol 2005	P	✓				✓						Nr. 38
814	23	06	002	<i>Oecetis amadillo</i> Malicky & Chantaramongkol 2005	N	✓										Nr. 38
815	23	06	003	<i>Oecetis asmada</i> Malicky 1979	P	✓					✓					Nr. 39
816	23	06	004	<i>Oecetis bengalica</i> Martynov 1936	N, P	✓							✓			Nr. 39
817	23	06	005	<i>Oecetis biramosa</i> Martynov 1936	N, P	✓					✓		✓			Nr. 39

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
818	23	06	006	<i>Oecetis clavata</i> Yang & Morse 2000		✓										
819	23	06	007	<i>Oecetis cristata</i> Kimmins 1963		✓										
820	23	06	008	<i>Oecetis devakiputra</i> Schmid 1995	N	✓										Nr. 39
821	23	06	009	<i>Oecetis empusa</i> Malicky & Chaibu 2000	N, P	✓	✓		✓		✓					Nr. 31
822	23	06	010	<i>Oecetis hades</i> Malicky & Chantaramongkol 2003	N, NE	✓	✓									Nr. 39
823	23	06	011	<i>Oecetis helenos</i> Malicky & Thapanya 2004	N, NE, C	✓										Nr. 36
824	23	06	012	<i>Oecetis hemerobioides</i> McLachlan 1866	P	✓				✓						Nr. 39
825	23	06	013	<i>Oecetis husam</i> Malicky & Prommi 2008	P	✓										
826	23	06	014	<i>Oecetis hyperion</i> Malicky 2005	SE, P	✓				✓		✓				Nr. 38
827	23	06	015	<i>Oecetis iapetos</i> Malicky & Chantaramongkol 2003	N	✓						✓				Nr. 39
828	23	06	016	<i>Oecetis iros</i> Malicky & Bunlue 2005	N	✓			✓							Nr. 38
829	23	06	017	<i>Oecetis jacobsoni</i> Ulmer 1930	P	✓				✓	✓					Nr. 39
830	23	06	018	<i>Oecetis kodros</i> Malicky 2005		✓	✓						✓			
831	23	06	019	<i>Oecetis kyanippos</i> Malicky & Sompong 2005	N, P	✓										Nr. 38
832	23	06	020	<i>Oecetis ladon</i> Malicky & Laudee 2005	N	✓					✓					Nr. 38
833	23	06	021	<i>Oecetis laodike</i> Malicky & Cheunbarn 2005	N, P	✓					✓					Nr. 38
834	23	06	022	<i>Oecetis learchos</i> Malicky & Chantaramongkol 2005	N	✓					✓					Nr. 38
835	23	06	023	<i>Oecetis leukone</i> Malicky & Chantaramongkol 2003	N	✓										Nr. 39
836	23	06	024	<i>Oecetis lichas</i> Malicky & Thapanya 2004	P	✓										Nr. 36
837	23	06	025	<i>Oecetis lotis</i> Malicky & Thapanya 2004	P	✓						✓				Nr. 36
838	23	06	026	<i>Oecetis maron</i> Malicky & Chantaramongkol 2005	SE, P	✓			✓	✓						Nr. 38
839	23	06	027	<i>Oecetis medos</i> Malicky & Bunlue 2004	N	✓										Nr. 36
840	23	06	028	<i>Oecetis meghadouta</i> Schmid 1958	N, P	✓			✓		✓	✓				Z.Arb.Gem. Öst.Ent,57
841	23	06	029	<i>Oecetis melanthios</i> Malicky & Chantaramongkol 2004	N	✓										Nr. 36
842	23	06	030	<i>Oecetis meleagros</i> Malicky & Thani 2005	P	✓					✓					Nr. 38

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
843	23	06	031	<i>Oecetis miletos</i> Malicky & Naewvong 2005	N	✓				✓		✓				Nr. 38
844	23	06	032	<i>Oecetis misenos</i> Malicky & Chantaramongkol 2005	N, P	✓										Nr. 38
845	23	06	033	<i>Oecetis momos</i> Malicky 2005	P	✓				✓		✓				Nr. 38
846	23	06	034	<i>Oecetis myskelos</i> Malicky & Chantaramongkol 2005	SW	✓										Nr. 38
847	23	06	035	<i>Oecetis nestor</i> Malicky & Chantaramongkol 2005	NE	✓										Nr. 38
848	23	06	036	<i>Oecetis numitor</i> Malicky 2005		✓				✓						
849	23	06	037	<i>Oecetis nyx</i> Malicky & Chantaramongkol 2005	N	✓										Nr. 38
850	23	06	038	<i>Oecetis orthos</i> Malicky & Changthong 2005	N	✓										Nr. 38
851	23	06	039	<i>Oecetis pandora</i> Malicky & Chantaramongkol 2006	N	✓										Nr. 40
852	23	06	040	<i>Oecetis pegasos</i> Malicky & Nuntakwang 2005	P	✓										Nr. 38
853	23	06	041	<i>Oecetis pretakalpa</i> Schmid 1995	N	✓				✓						Nr. 42
854	23	06	042	<i>Oecetis purucha</i> Schmid 1995		✓										Z.Arb.Gem. Öst.Ent,57
855	23	06	043	<i>Oecetis purusamedha</i> Schmid1995	N, P	✓			✓	✓	✓	✓				
856	23	06	044	<i>Oecetis raghava</i> Schmid 1995	N	✓			✓		✓					
857	23	06	045	<i>Oecetis scutulata</i> Martynov 1936	N	✓										Nr. 40
858	23	06	046	<i>Oecetis skiron</i> Malicky & Prommi2006	P	✓										Nr. 42
859	23	06	047	<i>Oecetis taenia</i> Yang & Morse 2000		✓			✓							
860	23	06	048	<i>Oecetis tages</i> Malicky & Silalom2005	P	✓										Nr. 38
861	23	06	049	<i>Oecetis tripunctata</i> Fabricius1793	N, P	✓	✓	✓	✓	✓	✓	✓			✓	Nr. 42
862	23	06	050	<i>Oecetis villosa</i> Kimmins1963	N	✓			✓							
863	23	07	001	<i>Parasetodes respersella</i> Rambur 1842	N	✓			✓	✓	✓	✓			✓	
864	23	08	001	<i>Poecilopsyche demophon</i> Malicky & Prommi 2000		✓										Nr. 30
865	23	08	002	<i>Poecilopsyche gyges</i> Malicky & Chantaramongkol 2002	P	✓										Nr. 33
866	23	09	001	<i>Setodes abhirakta</i> Schmid 1987	N, C	✓										
867	23	09	002	<i>Setodes akrura</i> Gordon & Schmid 1987	N	✓										

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
868	23	09	003	<i>Setodes argentiguttatus</i> Gordon & Schmid 1987	N, NE, P	✓	✓									
869	23	09	004	<i>Setodes brevicaudatus</i> Yang & Morse 1989		✓			✓		✓					
870	23	09	005	<i>Setodes endymion</i> Malicky & Chantaramongkol 2000	N, NE, P	✓						✓				Nr. 31
871	23	09	006	<i>Setodes fluvialis</i> Kimmins 1963	N	✓										
872	23	09	007	<i>Setodes gangaya</i> Gordon & Schmid 1987	SW, P	✓										
873	23	09	008	<i>Setodes hekatocheiros</i> Malicky & Chantaramongkol 2006	N	✓										Nr. 39
874	23	09	009	<i>Setodes hermaphroditos</i> Malicky & Chantaramongkol 2006	N	✓										Nr. 39
875	23	09	010	<i>Setodes hylas</i> Malicky & Chantaramongkol 2006	N	✓										Nr. 39
876	23	09	011	<i>Setodes iolaos</i> Malicky & Chantaramongkol 2006	N, NE	✓										Nr. 39
877	23	09	012	<i>Setodes isis</i> Malicky & Nawvong 2006	N, P	✓										Nr. 39
878	23	09	013	<i>Setodes iutus</i> Malicky & Chantaramongkol 2006	SW	✓										Nr. 39
879	23	09	014	<i>Setodes iuppiter</i> Malicky & Chantaramongkol 2006	N	✓										Nr. 39
880	23	09	015	<i>Setodes kabeiros</i> Malicky & Chantaramongkol 2006	N	✓										Nr. 39
881	23	09	016	<i>Setodes kassiopeia</i> Malicky & Chantaramongkol 2006	N	✓										Nr. 39
882	23	09	017	<i>Setodes kerkopos</i> Malicky & Chantaramongkol 2006	N	✓										Nr. 39
883	23	09	018	<i>Setodes kleio</i> Malicky & Chantaramongkol 2006	N	✓										Nr. 39
884	23	09	019	<i>Setodes kuretos</i> Malicky & Chantaramongkol 2006	N	✓										Nr. 39
885	23	09	020	<i>Setodes lailaps</i> Malicky & Chantaramongkol 2006	N	✓										Nr. 39
886	23	09	021	<i>Setodes larva</i> Malicky & Chantaramongkol 2006		✓			✓							Nr. 39
887	23	09	022	<i>Setodes latinos</i> Malicky & Nuntakwang 2006	N, SW	✓										Nr. 39
888	23	09	023	<i>Setodes leandros</i> Malicky & Chantaramongkol 2006	P	✓										Nr. 39
889	23	09	024	<i>Setodes leto</i> Malicky & Chantaramongkol 2006	P	✓										Nr. 39
890	23	09	025	<i>Setodes libera</i> Malicky & Chantaramongkol 2006	N	✓										Nr. 39
891	23	09	026	<i>Setodes likymnios</i> Malicky & Nuntakwang 2006	N	✓										Nr. 39
892	23	09	027	<i>Setodes lupercus</i> Malicky & Chantaramongkol 2006	N	✓										Nr. 39
893	23	09	028	<i>Setodes mahabichu</i> Schmid 1987		✓										

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
894	23	09	029	<i>Setodes medusa</i> Malicky & Sompong 2006	N	✓										Nr. 39
895	23	09	030	<i>Setodes mefitis</i> Malicky & Thamsenanupap 2006	N	✓										Nr. 39
896	23	09	031	<i>Setodes megaira</i> Malicky & Cheunbarn2006	N, SW	✓										Nr. 39
897	23	09	032	<i>Setodes melanippos</i> Malicky & Thamsenanupap 2006	N	✓										Nr. 39
898	23	09	033	<i>Setodes melpomene</i> Malicky & Chantaramongkol2006	N	✓										Nr. 39
899	23	09	034	<i>Setodes menestratos</i> Malicky & Thamsenanupap 2006	N	✓										Nr. 39
900	23	09	035	<i>Setodes menoikeus</i> Malicky & Cheunbarn 2006	N	✓										Nr. 39
901	23	09	036	<i>Setodes mercurius</i> Malicky & Bunlue 2006	N	✓										Nr. 39
902	23	09	037	<i>Setodes metis</i> Malicky & Thapanya 2006	N	✓				✓						Nr. 39
903	23	09	038	<i>Setodes minotauros</i> Malicky & Chantaramongkol 2006	SW, P	✓			✓	✓						Nr. 39
904	23	09	039	<i>Setodes neleus</i> Malicky & Chantaramongkol 2006	N, P	✓				✓		✓				Nr. 39
905	23	09	040	<i>Setodes nemesis</i> Malicky & Chantaramongkol 2006	N	✓										Nr. 39
906	23	09	041	<i>Setodes neptunus</i> Malicky & Saengpradab 2006	N, E	✓	✓									Nr. 39
907	23	09	042	<i>Setodes nereusos</i> Malicky & Chantaramongkol 2006	SW	✓										Nr. 39
908	23	09	043	<i>Setodes niobe</i> Malicky & Prommi 2006	NE	✓										Nr. 39
909	23	09	044	<i>Setodes nisos</i> Malicky & Chantaramongkol 2006	N	✓										Nr. 39
910	23	09	045	<i>Setodes numa</i> Malicky & Prommi 2006	N	✓										Nr. 39
911	23	09	046	<i>Setodes nyktimene</i> Malicky & Chantaramongkol2006	N	✓										Nr. 39
912	23	09	047	<i>Setodes oineus</i> Malicky & Chantaramongkol 2006	N	✓										Nr. 39
913	23	09	048	<i>Setodes oinomaos</i> Malicky & Chantaramongkol 2006	N	✓										Nr. 39
914	23	09	049	<i>Setodes okeanos</i> Malicky & Thamsenanupap 2006	N	✓										Nr. 39
915	23	09	050	<i>Setodes okypete</i> Malicky & Chantaramongkol 2006	N	✓										Nr. 39
916	23	09	051	<i>Setodes okyrrhe</i> Malicky & Chantaramongkol 2006	P	✓										Nr. 39
917	23	09	052	<i>Setodes omphale</i> Malicky & Changthong 2006	N, NE	✓										Nr. 39
918	23	09	053	<i>Setodes opheltes</i> Malicky & Chantaramongkol 2006	N, SW, C	✓										Nr. 39
919	23	09	054	<i>Setodes opora</i> Malicky & Chantaramongkol 2006	P	✓						✓				Nr. 39

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
920	23	09	055	<i>Setodes orcus</i> Malicky & Saengpradab 2006	N, NE, C	✓										Nr. 39
921	23	09	056	<i>Setodes orestes</i> Malicky & Cheunbarn 2006	N, NE, C	✓										Nr. 39
922	23	09	057	<i>Setodes periklymenos</i> Malicky & Chantaramongkol 2006	N	✓										Nr. 39
923	23	09	058	<i>Setodes sarapis</i> Malicky & Chantaramongkol 2006	N, P	✓				✓						Nr. 39
924	23	09	059	<i>Setodes tarpaka</i> Gordon & Schmid 1987	N	✓			✓							
925	23	09	060	<i>Setodes tcharurupa</i> Schmid 1987	N, C	✓										
926	23	09	061	<i>Setodes tejasvin</i> Schmid 1987	N	✓										
927	23	09	062	<i>Setodes thoneti</i> Malicky & Chantaramongkol 2006	N, SE, P	✓	✓		✓							Nr. 39
928	23	10	001	<i>Tagalopsyche brunnea</i> Ulmer 1905	N, P	✓		✓		✓						
929	23	10	002	<i>Tagalopsyche orpheus</i> Malicky & Chantaramongkol 2006	N	✓										Nr. 40
930	23	10	003	<i>Tagalopsyche osiris</i> Malicky & Prommi 2006	P	✓				✓						Nr. 40
931	23	11	001	<i>Triaenodes dusra</i> Schmid 1965	P	✓				✓	✓	✓				
932	23	11	002	<i>Triaenodes grifo</i> Malicky 2005		✓										Z.Arb.Gem. Öst.Ent,57
933	23	11	003	<i>Triaenodes iphis</i> Malicky 2005		✓										Z.Arb.Gem. Öst.Ent,57
934	23	11	004	<i>Triaenodes menestheus</i> Malicky 2005	P	✓				✓	✓	✓				Z.Arb.Gem. Öst.Ent,57
935	23	11	005	<i>Triaenodes narkissos</i> Malicky 2005	P	✓										Z.Arb.Gem. Öst.Ent,57
936	23	11	006	<i>Triaenodes patroklos</i> Malicky & Chantaramongkol 2006	N	✓										Nr. 40
937	23	11	007	<i>Triaenodes plectus</i> Ulmer 1908	N, P	✓			✓	✓	✓	✓				
938	23	11	008	<i>Triaenodes pentheus</i> Malicky 2005	N	✓			✓							Z.Arb.Gem. Öst.Ent,57
939	23	11	009	<i>Triaenodes qinglingensis</i> Yang & Morse 2000	P	✓			✓							Nr. 30
940	23	11	010	<i>Triaenodes themis</i> Malicky & Prommi 2006	P	✓										Nr. 42
941	23	11	011	<i>Triaenodes trivulcio</i> Schmid 1994		✓										

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
942	23	12	001	<i>Trichosetodes anaksepuluh</i> Malicky & Chantaramongkol 1995	N	✓										
943	23	12	002	<i>Trichosetodes anavadya</i> Schmid 1987		✓										
944	23	12	003	<i>Trichosetodes pales</i> Malicky & Chaibu 2006	P	✓										Nr. 40
945	23	12	004	<i>Trichosetodes palinurus</i> Malicky & Chantaramongkol 2006	P	✓						✓				Nr. 40
946	23	12	005	<i>Trichosetodes pallas</i> Malicky & Chantaramongkol 2006	N	✓										Nr. 40
947	23	12	006	<i>Trichosetodes pandion</i> Malicky & Chantaramongkol 2006	C	✓										Nr. 40
948	23	12	007	<i>Trichosetodes sisypfos</i> Malicky & Prommi 2006	P	✓										Nr. 42
949	23	13	001	<i>Triplectrides indicus</i> Walker 1852	N, P	✓		✓	✓	✓	✓					
950	24	01	001	<i>Gumaga orientalis</i> Martynov 1935 (= <i>okinawaensis</i>)	N	✓										
951	25	01	001	<i>Helicopsyche admata</i> Malicky & Chantaramongkol 1992	N	✓					✓					Nr. 11
952	25	01	002	<i>Helicopsyche angusta</i> Ulmer 1951	N, NE, SW, SE	✓			✓	✓						
953	25	01	003	<i>Helicopsyche azunensis</i> Schefter & Johanson 2001		✓					✓					
954	25	01	004	<i>Helicopsyche nastia</i> Malicky & Melnitsky 2008	SE	✓										
955	25	01	005	<i>Helicopsyche agenor</i> Malicky & Chantaramongkol 1996		✓										Nr. 19
956	25	01	006	<i>Helicopsyche anaksaku</i> Malicky 1995	P	✓						✓				Nr. 18
957	25	01	007	<i>Helicopsyche ategenta</i> Malicky & Chantaramongkol 1992	N	✓										Nr. 11
958	25	01	008	<i>Helicopsyche boniata</i> Malicky & Chantaramongkol 1992	N, NE, P	✓			✓		✓					Nr. 11
959	25	01	009	<i>Helicopsyche lata</i> Ulmer 1951	N, NE	✓		✓		✓						
960	25	01	010	<i>Helicopsyche martynovi</i> Mosely 1939		✓										
961	25	01	011	<i>Helicopsyche minyas</i> Malicky & Nawvong 2004	N	✓										Nr. 36
962	25	01	012	<i>Helicopsyche namtok</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
963	25	01	013	<i>Helicopsyche rodschana</i> Malicky & Chantaramongkol 1992	N	✓										Nr. 11
964	25	01	014	<i>Helicopsyche siama</i> Johanson 1994	N	✓										
965	26	01	001	<i>Inthanonsyche angkangensis</i> Malicky & Chantaramongkol 1993	N	✓										Nr. 12
966	26	01	002	<i>Inthanonsyche trimeresuri</i> Malicky 1989	N	✓										Nr. 4
967	26	02	001	<i>Lannapsyche chantaramongkolae</i> Malicky 1989	N, E	✓			✓							Nr. 4

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
968	26	03	001	<i>Marilia aerope</i> Malicky & Chantaramongkol 1996	N, P	✓										Nr. 19
969	26	03	002	<i>Marilia mogtiana</i> Malicky 1989	N, P	✓			✓							Nr. 4
970	26	03	003	<i>Marilia sumatrana</i> Ulmer 1951	N,NE,E,SW,SE,P	✓	✓	✓	✓	✓	✓	✓				
971	26	04	001	<i>Phraepsyche danaos</i> Malicky & Sompong 2000	N	✓					✓					Nr. 30
972	26	05	001	<i>Psilotreta abudeb</i> Malicky & Chantaramongkol 1991	N	✓										Nr. 7
973	26	05	002	<i>Psilotreta aello</i> Malicky & Chantaramongkol 1996	SE	✓										Nr. 19
974	26	05	003	<i>Psilotreta assur</i> Malicky & Chantaramongkol 2009	SW	✓										Braueria 36
975	26	05	004	<i>Psilotreta baureo</i> Malicky 1989	N, P	✓										Nr. 4
976	26	05	005	<i>Psilotreta illuan</i> Malicky 1989	N	✓										Nr. 4
977	26	05	006	<i>Psilotreta quin</i> Malicky & Chantaramongkol 1991	N	✓										Nr. 7
978	26	05	007	<i>Psilotreta watananikorni</i> Malicky & Chantaramongkol 1995	N	✓										
979	27	01	001	<i>Anisocentropus bacchus</i> Malicky & Chantaramongkol 1994	N	✓										Nr. 13
980	27	01	002	<i>Anisocentropus brevipennis</i> Ulmer 1906		✓	✓			✓			✓			
981	27	01	003	<i>Anisocentropus erichthonios</i> Malicky & Cheunbarn 2001	N	✓	✓		✓							Nr. 32
982	27	01	004	<i>Anisocentropus minutus</i> Martynov 1930	N, SE	✓					✓					
983	27	01	005	<i>Anisocentropus diana</i> Malicky & Chantaramongkol 1994	N, P	✓				✓		✓				Nr. 13
984	27	01	006	<i>Anisocentropus pan</i> Malicky & Chantaramongkol 1994	N, NE, P	✓										Nr. 13
985	27	01	007	<i>Anisocentropus pandora</i> Malicky & Chantaramongkol 1994	N	✓			✓		✓					Nr. 13
986	27	01	008	<i>Anisocentropus salsus</i> Betten 1909	N	✓										
987	27	01	009	<i>Anisocentropus magnus</i> Banks 1931	N, P	✓				✓		✓				
988	27	01	010	<i>Anisocentropus janus</i> Malicky & Chantaramongkol 1994	N, NE, SE, E, P	✓	✓		✓							Nr. 13
989	27	02	001	<i>Ganonema delios</i> Malicky & Prommi 2000	N	✓										Nr. 30
990	27	02	002	<i>Ganonema dracula</i> Malicky & Chantaramongkol 1994	N	✓					✓					Nr. 13
991	27	02	003	<i>Ganonema extensum</i> Martynov 1935	N, NE	✓			✓		✓					
992	27	02	004	<i>Ganonema fuscipenne</i> Albarda 1881	N, C, SW, SE, P	✓			✓	✓		✓			✓	
993	27	02	005	<i>Ganonema ochraceellum</i> McLachlan 1866		✓		✓								

Table 4.2 continued

no.	Fam_code	Gen_code	Sp_code	Scientific name	known distribution in Thailand	T	C	J	L	S	V	P	And	Nik	Bali	Reference
994	27	03	001	<i>Georgium kandaules</i> Malicky & Chantaramongkol 2003		✓										
995	28	01	001	<i>Molannodes alticola</i> Malicky & Chantaramongkol 1996	N	✓										Nr. 19
996	28	01	002	<i>Molannodes hydron</i> Malicky & Chantaramongkol 1991	N	✓			✓							Nr. 7
997	28	01	003	<i>Molannodes lirr</i> Malicky & Chantaramongkol 1989	N	✓										Nr. 6
998	28	01	004	<i>Molannodes magdiel</i> Malicky & Chantaramongkol 2009	N	✓										Braueria 36
999	28	02	001	<i>Molanna oglamar</i> Malicky & Chantaramongkol 1989	N, NE	✓										Nr. 6
1000	08	08	039	<i>Pseudoneureclipsis parmenides</i> Malicky & Laudee 2010	P	✓										Braueria 37
1001	12	01	049	<i>Ecnomus hesiod</i> Malicky & Laudee 2010		✓										Braueria 37
1002	12	01	050	<i>Ecnomus plotin</i> Malicky & Laudee 2010		✓										Braueria 37
1003	06	03	009	<i>Gungungiella jarah</i> Malicky 2011	P, SW	✓										Braueria 38
1004	23	03	015	<i>Ceraclea omar</i> Malicky 2011	SE	✓										Braueria 38

Note: Nr.-- refer to number of publication in series of "studies on caddisflies from Thailand"

- | | | | | | | |
|---------------------|-------------------|---------------------|-----------------------|------------------|--------------------|-------------------|
| 1=Rhyacophilidae | 2=Hydrobiosidae | 3=Ptilocolepidae | 4=Glossosomatidae | 5=Hydroptilidae | 6=Philopotamidae | 7=Stenopsychidae |
| 8=Polycentropodidae | 9=Dipseudopsidae | 10=Psychomyiidae | 11=Xiphocentronidae | 12=Ecnomidae | 13=Arctopsychidae | 14=Hydropsychidae |
| 15=Phryganeidae | 16=Phryganopsyche | 17=Brachycentridae | 18=Limnocentropodidae | 19=Limnephilidae | 20=Goeridae | 21=Uenoidae |
| 22=Lepidostomatidae | 23=Leptoceridae | 24=Sericostomatidae | 25=Helicopsychidae | 26=Odontoceridae | 27=Calamoceratidae | 28=Molannidae |

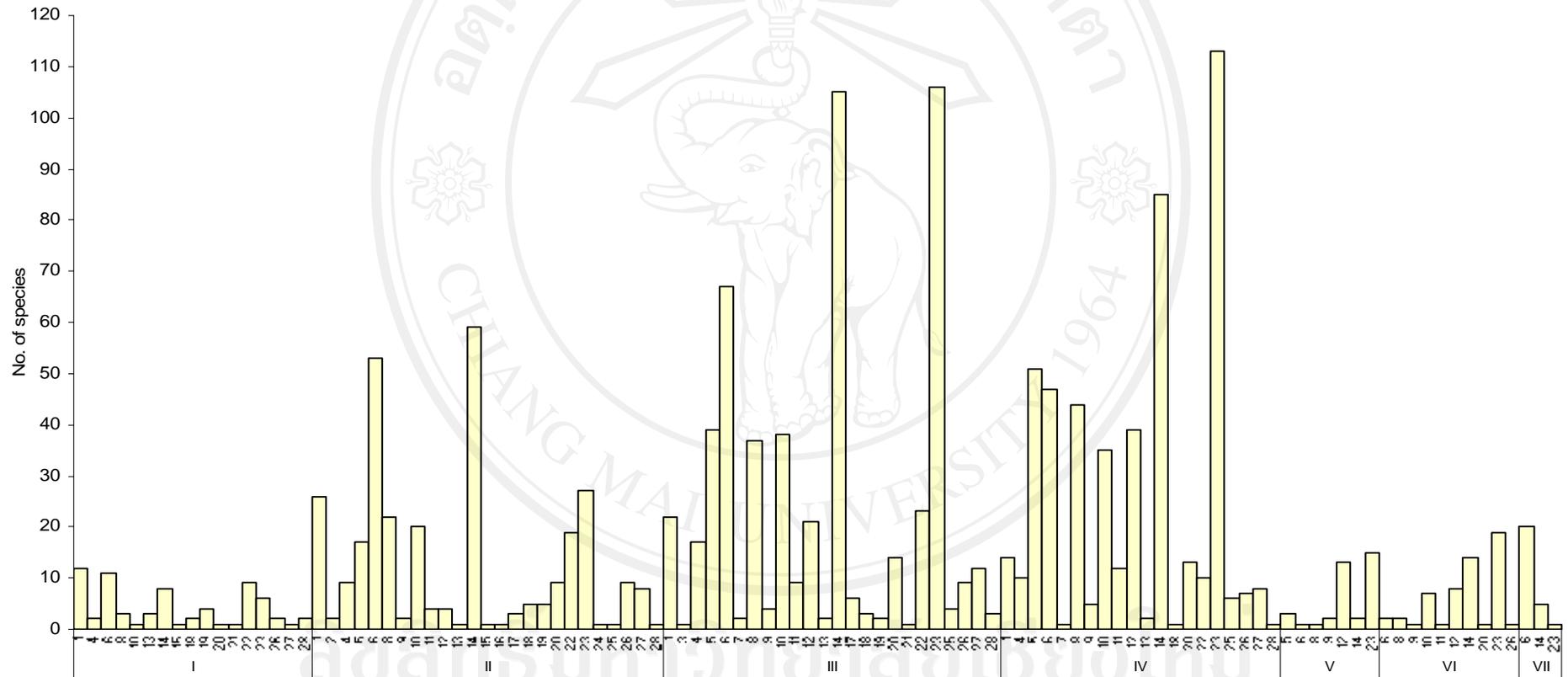


Figure 4.4 Family distribution in each biotope types (Note I=stream, >1,700 m asl; II=stream, 1,700 - 1,200 m asl; III=stream, 1,200-500; IV=stream, <500 m asl; V=river, <500 m asl; VI=permanent standing water, <500 m asl; and VII=temporary standing water, <500 m asl)

Table 4.3 Summary of each Trichoptera species showing biotope types, total occurrences, monthly abundance, and total abundance based on Thai Trichoptera Database. (Note: biotope type was classified based on habitat character and altitude for instance I = stream at altitude >1,700 m asl, II = stream at altitude 1,200 - 1,700 m asl, III = stream at altitude 500 - 1,200 m asl, IV = stream at altitude <500 m asl, V = river at altitude <500 m asl, VI = permanent standing water (e.g. reservoir and pond) at altitude <500 m asl, and VII = temporary standing water (e.g. paddy field) at altitude <500 m asl).

01 Family Rhyacophilidae; 01 Genus *Himalopsyche* and 02 *Rhyacophila*

Gen. code	Species	Biotope types							Occurrence	Monthly abundance												Abundance	
		I	II	III	IV	V	VI	VII		(blank)	January	February	March	April	May	June	July	August	September	October	November		December
01	<i>Himalopsyche acharai</i>	5	15	52	1				73	7	8	6		21	26	26	27	31	24	50	12		238
Total		5	15	52	1				73	7	8	6		21	26	26	27	31	24	50	12		238
02	<i>Rhyacophila bicolor doiangka</i>	2							2				1							1			2
	<i>Rhyacophila blenda</i>	7	1						8		3					2	1	3	1				10
	<i>Rhyacophila cornuta</i>		3						3					1		1	1						3
	<i>Rhyacophila curvata</i>		19	116	14			2	151	19	10	25	7	54	88	49	51	47	43	50	22		465
	<i>Rhyacophila dorsampa</i>		1						1						1								1
	<i>Rhyacophila drokpo</i>		1	5					6		1				1			0	3	1	2		8
	<i>Rhyacophila falita</i>	3	2						5	1						1					4		6
	<i>Rhyacophila gyamo</i>		1	2					3				1	1	p								2
	<i>Rhyacophila heliada</i>				1				1									4					4
	<i>Rhyacophila hira</i>		1						1		1												1
	<i>Rhyacophila inaequalis</i>		5	4	1			1	11		1	25		1	2		3		1				33

Table 4.3 continued

Gen. code	Species								Occurrence (blank)	Month												Abundance		
		I	II	III	IV	V	VI	VII		January	February	March	April	May	June	July	August	September	October	November	December		(blank)	
	<i>Rhyacophila kyindongpa</i>		1	1					2															2
	<i>Rhyacophila lyssa</i>		8	2					10				4	1	2	8	13	2						30
	<i>Rhyacophila malayana</i>	3	13	50	3				69	19	7	22		31	53	21	4	5	14	22	18			216
	<i>Rhyacophila manna</i>		1	11				1	13	1		4		3	1	5	1					1		16
	<i>Rhyacophila mayestril</i>	1	2	2					5		1	1			1		1			1				5
	<i>Rhyacophila moneta</i>		7	1					8						1	7		1			1	1		11
	<i>Rhyacophila muktepa</i>		1						1							1								1
	<i>Rhyacophila murhu</i>	6							6		9	6	3											18
	<i>Rhyacophila myrmidone</i>				1				1												1			1
	<i>Rhyacophila noeibia</i>				4			1	5			2	1			1			1					5
	<i>Rhyacophila pelopeia</i>			1					1				p											p
	<i>Rhyacophila petersorum</i>	6	12	81	8				107	12	9	26	13	11	35	37	23	38	37	34	19			294
	<i>Rhyacophila porntipae</i>		1	1					2		p	2												2
	<i>Rhyacophila quana</i>		3	1	1			1	6				3		p			1			3		5	12
	<i>Rhyacophila ramingwongi</i>		1	1					2		p												4	4
	<i>Rhyacophila scissa</i>	7	6	36				1	50	4	8	11	1		6	9	3	16	9	13	9			89
	<i>Rhyacophila scissoides</i>		18	38	3				59	27	17	8	4	22	43	39	5	9	9	12	5			200
	<i>Rhyacophila stheneboia</i>				2				2								2							2
	<i>Rhyacophila suah</i>		1						1				1											1
	<i>Rhyacophila tantichodoki</i>				1	20			21	6	4	5	27	8	6		1		2	7	11			77
	<i>Rhyacophila tosagan</i>				3				3				3					1	1					5
	<i>Rhyacophila verugia</i>	1	1						2			1	1											2
	<i>Rhyacophila voccia</i>	1	2	3	1				7	1			2					p	2	4				9
	<i>Rhyacophila wanichacheewai</i>			1					1		p													p
	<i>Rhyacophila xayide</i>	1	3						4		20		2	1										23
Total		38	114	359	62			7	580	90	87	145	71	134	240	179	109	127	125	152	92	9		1560
Grand Total		43	129	411	63			7	653	97	95	151	71	155	266	205	136	158	149	202	104	9		1798

Table 4.3 continued

02 Family Hydrobiosidae; 01 Genus *Apsilochorema*

Gen code	Species								(blank)	Occurrence	January	February	March	April	May	June	July	August	September	October	November	December	(blank)	Abundance
		I	II	III	IV	V	VI	VII																
01	<i>Apsilochorema eliud</i>		1						1											1			1	
	<i>Apsilochorema natibhinnam</i>																				1		1	
	<i>Apsilochorema utchtchunam</i>		1						1														1	
Total			2						2											1	1		2	
Grand Total			2						2											1	1		2	

03 Family Ptilocolepidae; 01 Genus *Ptilocolepus*

Gen code	Species								(blank)	Occurrence	January	February	March	April	May	June	July	August	September	October	November	December	(blank)	Abundance
		I	II	III	IV	V	VI	VII																
01	<i>Ptilocolepus namnao</i>			1					1				1										1	
Total				1					1				1										1	
Grand Total				1					1				1										1	

Table 4.3 continued

04 Family Glossosomatidae; 01 Genus *Agapetus*, 02 Genus *Glossosoma*, 03 Genus *Nepaloptila*, 04 Genus *Padunia*, and 05 Genus *Poeciloptila*

Gen code	Species								(blank)	Occurrence	January	February	March	April	May	June	July	August	September	October	November	December	Dec - Jan	Jan - Feb	Sep - Oct	Abundance
		I	II	III	IV	V	VI	VII																		
01	<i>Agapetus abdeel</i>		1						1				1												1	
	<i>Agapetus atuus</i>		1	5					6					4	102				2						108	
	<i>Agapetus cenomarus</i>			2					2						14									1	15	
	<i>Agapetus chinensis</i>																									
	<i>Agapetus dangorum</i>			5	25				30	5	8	108	64	5	7			5	1	6	2	1			212	
	<i>Agapetus esinertus</i>		1						1											1					1	
	<i>Agapetus halong</i>			23	7				30		2	8	10	13	534	2			2		9				580	
	<i>Agapetus lalus</i>			23	4				27	4	3	2	7	5	5	2			4	3	2	1			38	
	<i>Agapetus phorkys</i>			1					1		1														1	
	<i>Agapetus quordus</i>		1						1											1					1	
	<i>Agapetus vercondarius</i>					1			1														1		1	
	<i>Agapetus viricatus</i>				3	2			5					1	1				1		1				5	
	<i>Agapetus voccus</i>		3	5	1				9		1	1	15	3	2			1	1						23	
Total			7	67	40			114	9	15	119	97	31	665	4	7	8	13	14	2	1		1	986		
02	<i>Glossosoma atitto</i>		3		2			5				1	1						4					6		
	<i>Glossosoma elvisso</i>		1	10	2			14	5	1	7	10	1				1	7			1	1		34		
	<i>Glossosoma jentumar</i>		9	7	1			17	1	3	2	2		1	4			1	7	1	2		1	25		
	<i>Glossosoma malayanum</i>		3	8				12	1	1	1	2	1	2	2		6			4	1			19		
Total			15	25	3		2	45	7	5	10	15	3	3	4	7	8	11	5	4	1	1	84			
03	<i>Nepaloptila jisunted</i>		5					5		1	18	5												24		
	<i>Nepaloptila kanikar</i>			2			1	3	3		9										1			13		
	<i>Nepaloptila ruangjod</i>		2					2		1	2													3		
Total		7		2			1	10	3	2	18	16									1		40			

Table 4.3 continued

Gen code	Species								Occurrence (blank)	Occurrence												Abundance				
		I	II	III	IV	V	VI	VII		January	February	March	April	May	June	July	August	September	October	November	December		Dec - Jan	Jan - Feb	Sep - Oct	
04	<i>Padunia akkad</i>			1	1				2						14										15	
	<i>Padunia berebista</i>								1																4	
	<i>Padunia karaked</i>			4					4	1	4		15											36	56	
Total				5	1				7	1	9		15		14									36	75	
05	<i>Poeciloptila almodad</i>			1					1					2											2	
	<i>Poeciloptila briatec</i>			6					6			13		14		5	4						1		37	
	<i>Poeciloptila phyllis</i>			1					1					2											2	
Total				8					8				13	2	16		5	4					1		41	
Grand Total		7	23	107	46				4	187	20	31	147	156	36	698	8	19	20	24	19	44	2	1	1	1226

05 Family Hydroptilidae; 01 Genus *Chrysotrichia*, 02 Genus *Hellyethira*, 03 Genus *Hydroptila*, 04 Genus *Jabitrichia*, 05 Genus *Maetalaiptila*, 06 Genus *Maeyaptila*, 07 Genus *Microptila*, 08 Genus *Orthotrichia*, 09 Genus *Oxyethira*, 10 Genus *Parastactobia*, 11 Genus *Plethus*, 12 Genus *Saranganotrichia*, 13 Genus *Scelotrichia*, 14 Genus *Stactobia*, 15 Genus *Stactobiella*, 16 Genus *Sutheptila*, 17 Genus *Tricholeiochiton*, and 18 Genus *Ugandatrichia*

Gen_code	Species								Occurrence (blank)	Occurrence												Abundance			
		I	II	III	IV	V	VI	VII		January	February	March	April	May	June	July	August	September	October	November	December		(blank)		
01	<i>Chrysotrichia phaiaka</i>			1	1				2																2
	<i>Chrysotrichia quirinus</i>						3		3				20												20
	<i>Chrysotrichia skamandros</i>			1	1				2				2												2
	<i>Chrysotrichia sparta</i>								1														1		1
	<i>Chrysotrichia talthybios</i>								1				1												1
	<i>Chrysotrichia tydeus</i>								1					1											1
	<i>Chrysotrichia volcanus</i>					1			1						2										2

Table 4.3 continued

Gen_code	Species								Occurrence (blank)													Abundance		
		I	II	III	IV	V	VI	VII		January	February	March	April	May	June	July	August	September	October	November	December		(blank)	
	<i>Chrysotrichia zoroastres</i>				1				1														1	1
Total			2	2	5			3	12				25	3									2	30
02	<i>Hellyethira tros</i>				1				1				1											1
Total					1				1				1											1
03	<i>Hydroptila anongraksa</i>				2				2				212											212
	<i>Hydroptila banmaekap</i>			1					1			1												1
	<i>Hydroptila erawan</i>				1				1			5												5
	<i>Hydroptila keres</i>			3	1				4			1		4	1									6
	<i>Hydroptila maetalai</i>			1	1				2			1										1		2
	<i>Hydroptila montatan</i>			1					1			1												1
	<i>Hydroptila orion</i>			2					2			3												3
	<i>Hydroptila penthesileia</i>				1				1				1											1
	<i>Hydroptila portunus</i>																							
	<i>Hydroptila poseidon</i>			1	1				2			1										1		2
	<i>Hydroptila priamos</i>			1	2				3			7										5		12
	<i>Hydroptila psyche</i>			11	4				15			p	2		7	440	2					1		452
	<i>Hydroptila pyreneus</i>			1					1													2		2
	<i>Hydroptila roma</i>							2	2				11										2	13
	<i>Hydroptila skylla</i>		1						1				1											1
	<i>Hydroptila srisungwan</i>				1	2	1		4				36									1	7	44
	<i>Hydroptila suanhom</i>			1				1	2				1										12	13
	<i>Hydroptila tethys</i>				1				1			1												1
	<i>Hydroptila theano</i>			1	1				2				3									3		6
	<i>Hydroptila thersandros</i>				2				2				1										4	5
	<i>Hydroptila thuna</i>			5					5			11	8		20									39
	<i>Hydroptila tungsalaeng</i>				1				1				4											4

Table 4.3 continued

Gen_code	Species								Occurrence													Abundance		
		I	II	III	IV	V	VI	VII		(blank)	January	February	March	April	May	June	July	August	September	October	November		December	(blank)
	<i>Hydroptila venus</i>								3				82											82
	<i>Hydroptila virginia</i>			2	1				1				4											4
	<i>Hydroptila verticordia</i>			1					1															p
	<i>Hydroptila veticordia</i>				1				1					p										p
	Total		1	33	22	1			3	60														911
05	<i>Maeyaptila xuthos</i>		1						1															1
	Total		1						1															1
06	<i>Maetalaiptila pyramus</i>				3				3				2											3
	Total				3				3				2											3
07	<i>Microptila hintama</i>			1	1				1	3		5										1		6
	<i>Microptila tyndareos</i>				1				1	1			1											1
	Total			1	2				1	4		5	1									1		7
08	<i>Orthotrichia biokrotta</i>																							
	<i>Orthotrichia deukalion</i>			1	1				2													5		5
	<i>Orthotrichia huaihuat</i>				1				1			1												1
	<i>Orthotrichia lanna</i>				1				1					4										4
	<i>Orthotrichia litoralis</i>								1				4											4
	<i>Orthotrichia maeandrica</i>			1					1				5											5
	<i>Orthotrichia namnoa</i>			1					1				12											12
	<i>Orthotrichia nontaburi</i>					1			1				2											2
	<i>Orthotrichia palikos</i>			1					1				1											1
	<i>Orthotrichia parthenopaios</i>							1	1				1											1
	<i>Orthotrichia parthenos</i>					1			1				9											9
	<i>Orthotrichia penthesileia</i>				1				1				9											9
	<i>Orthotrichia polyxena</i>			2					2				1	1										2
	<i>Orthotrichia priapos</i>			1					1				1											1

Table 4.3 continued

Gen_code	Species								Occurrence													Abundance			
		I	II	III	IV	V	VI	VII		(blank)	January	February	March	April	May	June	July	August	September	October	November		December	(blank)	
	<i>Orthotrichia putoei</i>				1				1				1												1
	<i>Orthotrichia ranauana</i>				2				2											1		1			2
	<i>Orthotrichia taleban</i>			1	2				3			1			2						1				4
	<i>Orthotrichia terpsichore</i>				1			1	2			1					1								2
	<i>Orthotrichia thanatos</i>	1							1		1														1
	<i>Orthotrichia thaumas</i>				1				1			1													1
	<i>Orthotrichia thersites</i>				3				3			5													5
	<i>Orthotrichia thyone</i>		1						1				3												3
	<i>Orthotrichia tyche</i>				2				2			1												1	2
	<i>Orthotrichia typhoeus</i>			1					1														1		1
	<i>Orthotrichia tyro</i>			1					1			1													1
	<i>Orthotrichia urania</i>				1				1				1												1
	<i>Orthotrichia vertumnus</i>			1					1			1													1
	<i>Orthotrichia yaowachon</i>			1					1								78								78
Total			1	13	18	1		2	35		1		57	5	6			79		7	3				158
09	<i>Oxyethira ping</i>				1				1			1													1
Total					1				1			1													1
10	<i>Parastactobia khakhaeng</i>				2				2			1											1		2
	<i>Parastactobia taengdo</i>						1		1														p		p
Total					2		1		3			1											1		2
11	<i>Plethus berbulu</i>								1			7													7
	<i>Plethus scaevola</i>				1				1			1													1
	<i>Plethus tarquinius</i>			1					1			1													1
	<i>Plethus tartaros</i>			1	1			1	3	p	1	p													1
	<i>Plethus teiresias</i>							1	1															19	19
	<i>Plethus tullius</i>		2						2			1									1				2

Table 4.3 continued

Gen_code	Species									Occurrence													Abundance			
		I	II	III	IV	V	VI	VII	(blank)		January	February	March	April	May	June	July	August	September	October	November	December		(blank)		
	<i>Plethrus ulixes</i>			1					1																p	
	<i>Plethrus uranos</i>				1				1																3	
Total			2	3	3				2	10	p	1		12										1	19	33
12	<i>Saraganotrichia chiangdao</i>				1				1															1	1	
	<i>Saraganotrichia kaosoidao</i>				1				1				1												1	
Total					2				2				1											1	2	
13	<i>Scelotrichia litai</i>		1						1															15	15	
	<i>Scelotrichia tatius</i>				1				1															1	1	
	<i>Scelotrichia telegonos</i>			1	1				2			1											1	2	2	
	<i>Scelotrichia tellus</i>		1						1										p						p	
	<i>Scelotrichia temenos</i>		1						1														1		1	
Total			3	1	2				6				1									p	1	2	15	19
14	<i>Stactobia pyrrhos</i>		1						1		1														1	
	<i>Stactobia python</i>		1						1	p															p	
	<i>Stactobia telemachos</i>		1						1															1	1	
	<i>Stactobia telephos</i>				1				1			1													1	
	<i>Stactobia tenes</i>		1						1														1		1	
	<i>Stactobia terminus</i>			1	2				3			1	1	2											4	
Total			4	1	3				8	p	1	2		1	2								1	1	8	
15	<i>Stactobiella siribhum</i>		1		1				2				1											1	2	
Total			1		1				2				1											1	2	
16	<i>Sutheptila kjaerandseni</i>		1						1			1													1	
Total			1						1			1													1	
17	<i>Tricholeiochiton fortensis</i>																									
18	<i>Ugandatrichia hairanga</i>			2	4				6			2	1				1	2	1						7	
	<i>Ugandatrichia hongia</i>		1	12	12			1	26	1	6	19	112		6	96	174	15	65	5	1				500	

Table 4.3 continued

Gen_code	Species								Occurrence (blank)	Occurrence												Abundance	
		I	II	III	IV	V	VI	VII		January	February	March	April	May	June	July	August	September	October	November	December		(blank)
	<i>Ugandatrichia kerdmuang</i>			1	18			7	26		1	15	9		4	1	10	3	53	2	1		99
	<i>Ugandatrichia maliwan</i>		7	26	5			1	31	2	37	263	152	273	586	178	9		10	9	15		1414
	<i>Ugandatrichia sanana</i>																						
Total			8	41	41			9	89	3	44	297	275	274	596	275	193	19	130	17	17		2020
Grand Total			24	95	104	3		20	246	3	47	321	755	294	1068	278	193	99	141	28	55	36	3225

06 Family Philopotamidae; 01 Genus *Chimarra*, 02 Genus *Dolophilodes*, 03 Genus *Gunungiella*, 04 Genus *Kisaura*, and 05 Genus *Wormaldia*

Gen code	Species								Occurrence (blank)	Occurrence												Abundance	
		I	II	III	IV	V	VI	January		February	March	April	May	June	July	August	September	October	November	December	(blank)		
01	<i>Chimarra akkaorum</i>			45	33			3	81	6	6	3	98	32	215	78	12	13	14	4	13		494
	<i>Chimarra alleni</i>			2	3				5	1		1		1						2			6
	<i>Chimarra aneca</i>		5	2					7	1			6			1	1				1	p	10
	<i>Chimarra argax</i>																p					p	p
	<i>Chimarra argeia</i>		1						1		2												2
	<i>Chimarra atara</i>		1	17	1				19	1	4	5	2	2	1	1		15		7	1		39
	<i>Chimarra atnia</i>		1	27	6				34	2	1	5	10	5	1		30	16	3	6	6		86
	<i>Chimarra bimbltona</i>			1	47			3	51	51	38	34	277	48	134	5	81	581	71	44	77	p	1441
	<i>Chimarra burmana</i>																						
	<i>Chimarra Chiangmaiensis</i>		2	18	15		19	3	57		3	9	7	25	130	13	4	10	99	30	1	50	381
	<i>Chimarra cina</i>			1					1									1					1
	<i>Chimarra coma</i>				10				10	6	6	2	4						2		9	1	30
	<i>Chimarra cumata</i>		2	1					3				1		2								3
	<i>Chimarra devva</i>		3	1				2	6			3		1				p	5			p	9

Table 4.3 continued

Gen code	Species								Occurrence	January	February	March	April	May	June	July	August	September	October	November	December	(blank)	Abundance
		I	II	III	IV	V	VI	(blank)															
	<i>Chimarra devva</i>			31	1				32	2	3	1	14	24	13	9	10	3		2	3		84
	<i>Chimarra dirke</i>			1					1								1						1
	<i>Chimarra exapia</i>		1						1			16											16
	<i>Chimarra helios</i>			1					1			1											1
	<i>Chimarra horok</i>				1				1				p										p
	<i>Chimarra htinorum</i>		3	78	10				91	4	11	35	46	51	201	195	53	27	36	18	10		687
	<i>Chimarra inthanonensis</i>	3	1						4		p		1		1				2				4
	<i>Chimarra jabal</i>			1				1	2					p	3								3
	<i>Chimarra joliveti</i>			2	16			2	20	2	1	395	1	8		5		2	2	2	1		419
	<i>Chimarra karenorum</i>		1						1		1												1
	<i>Chimarra khamuorum</i>		3	21	27			6	57	24	4	134	167	19	224	204	8	231	29	2	15		1061
	<i>Chimarra kuihorum</i>			1					1						3								3
	<i>Chimarra lahuorum</i>	2	8	5					15		3		p	1	27	9	13	3	2	2	1		61
	<i>Chimarra lannaensis</i>		5	44	3		1	5	58	5		159	11	13	22	24	7	8	128	8	3	61	449
	<i>Chimarra lavuaorum</i>			23	1				24	3	8	5	6	2				6	1		4		35
	<i>Chimarra lissuorum</i>			1					1			1	p										1
	<i>Chimarra litugena</i>		1						1										1				1
	<i>Chimarra litussa</i>		3	1					4					p								8	8
	<i>Chimarra lucretia</i>			1					1				1										1
	<i>Chimarra matura</i>		1	48					49	9	24	12	12	12	74	5		20	7	10	6		191
	<i>Chimarra meorum</i>			4					4				2	1				2					5
	<i>Chimarra mlabriorum</i>		1		3				4				p	1		1		2					4
	<i>Chimarra mlabriorum</i>						1		1			5											5
	<i>Chimarra moira</i>				1				1											3			3
	<i>Chimarra momma</i>		8	15	1				24	1	1	3	7	18	9	11	2	4			2		58
	<i>Chimarra monorum</i>			14	53			2	69	49	46	149	168	47	254	2	10	10	298	7	33		1073
	<i>Chimarra nahesson</i>		8	2					10		1	1	2	1						1	1	p	7

Table 4.3 continued

Gen code	Species								(blank)	Occurrence	January	February	March	April	May	June	July	August	September	October	November	December	(blank)	Abundance	
		I	II	III	IV	V	VI																		
	<i>Chimarra noebia</i>		1		9				10	1	4	3	1						2	1	2			14	
	<i>Chimarra okuihorum</i>			15	2				17				22	7	36	2			2		4			73	
	<i>Chimarra phuwa</i>												p											p	
	<i>Chimarra pipake</i>			21	7			1	29	3	1	2	16	7	3	2	10	5	4	2	1	1		57	
	<i>Chimarra podarge</i>			2					2			1	1											2	
	<i>Chimarra prisna</i>		1						1			1												1	
	<i>Chimarra rama</i>				5				5			11	4	1						1				17	
	<i>Chimarra ramakien</i>		6			1			7						1	2		2	2					7	
	<i>Chimarra ravanna</i>			1	14				15	1	1	6	11			1		7				2		29	
	<i>Chimarra reasilvia</i>				5			1	6				4									2		6	
	<i>Chimarra regu</i>					1			1				p											p	
	<i>Chimarra schwendingeri</i>		1	34					35	3	8	10	14	24	6	6	1	7	1		6			86	
	<i>Chimarra scopulifera</i>		1	1					2						1							1		2	
	<i>Chimarra shanorum</i>		1	1					2					2		1								3	
	<i>Chimarra shiva</i>		25	50	1			2	78	22	7	12	30	18	40	19	4	27	146	30	13			368	
	<i>Chimarra siami</i>																								
	<i>Chimarra sita</i>				1	1			2			9	51												60
	<i>Chimarra spinifera</i>		1	51	31			3	86	44	32	258	179	8	44	50	32	16	41	171	14	p		889	
	<i>Chimarra suadulla</i>		1	3					4			1	1		57									59	
	<i>Chimarra suthepensis</i>		15	124	10				149	34	54	101	157	149	239	268	118	123	59	77	33			1412	
	<i>Chimarra thaiorum</i>		1						1									1						1	
	<i>Chimarra thienemanni</i>												p											p	
	<i>Chimarra toga</i>			5	11			1	17	2		13	3	33		9	10	1	3	2	40			116	
	<i>Chimarra uppita</i>		1	2	1	1		1	6			91	3							1	1	p		96	
	<i>Chimarra usal</i>				1				1				p											p	
	<i>Chimarra vibena</i>					1			1															1	
	<i>Chimarra yaorum</i>		1	13					14	1	1	2	1		2	4	4	1		1	1			18	

Table 4.3 continued

Gen code	Species								Occurrence	January	February	March	April	May	June	July	August	September	October	November	December	(blank)	Abundance
		I	II	III	IV	V	VI	(blank)															
	<i>Chimarra yskal</i>				5			1	6	2		27	119						1				149
	<i>Chimarra zilla</i>		1						1										1				1
Total		5	116	733	338	1	20	38	1251	280	271	1527	1461	561	1743	928	410	1149	960	438	301	121	10151
02	<i>Dolophilodes adnamat</i>	1	1	14	2				18		23	14	28	1	1			2		1		p	70
	<i>Dolophilodes bicolor</i>		8						8		1	1		1	1	2			5	1			12
	<i>Dolophilodes bullu</i>	2		9					11	2		31	14	61			1						109
	<i>Dolophilodes torrentis</i>	13							13			12	3		4	4	5	4		15			47
	<i>Dolophilodes truncata</i>			40					40	29	7	14	23	17	25	33	7	50	1	7	18		231
Total		16	9	63	2				90	31	31	72	68	80	31	39	13	56	6	24	18	p	469
03	<i>Gunungiella fiarafiazga</i>			1	11				12	1		3	2					2	2	3	1	p	14
	<i>Gunungiella fimfafiazga</i>			2	6			1	9		p	1	3		1			1	1	4			11
	<i>Gunungiella herakles</i>			1					1				5										5
	<i>Gunungiella hori</i>		1						1											1			1
	<i>Gunungiella jarah</i>				1				1												1		1
	<i>Gunungiella myrrha</i>			1					1			1											1
	<i>Gunungiella segsafiazga</i>			8					8	1	2	2			1					1	1		8
	<i>Gunungiella sibylla</i>				2				2				2										2
	<i>Gunungiella simafiazga</i>				1				1				3										3
	<i>Gunungiella traiafiazga</i>		1						1				1										1
Total			2	13	21			1	37	2	2	7	16		2			3	3	9	3	p	47
04	<i>Kisaura acirtemisa</i>		1						1			1											1
	<i>Kisaura cina</i>	1	10	13					24	13	6	11	1				1	11	14	3		p	60
	<i>Kisaura consagia</i>	1	4	103	28				136	26	22	40	82	42	158	122	69	19	91	44	64	p	779
	<i>Kisaura filiformis</i>		4						4						1	3	3	2					9
	<i>Kisaura filiformis</i>								1						1								2
	<i>Kisaura cf. intermedia</i>		1						1	1					1								2
	<i>Kisaura laban</i>	1	1						2		2	5	10		16	8	13	6	26	61	1		148

Table 4.3 continued

Gen code	Species								Occurrence (blank)													Abundance		
		I	II	III	IV	V	VI	January		February	March	April	May	June	July	August	September	October	November	December	(blank)			
	<i>Kisaura longispina</i>	19	11	2				32				2												2
	<i>Kisaura ophir</i>			1	1			2			2		2											4
	<i>Kisaura peleg</i>			1	1			2	10	8	11	18	13	9	5	4	40	29	15	48	p			210
	<i>Kisaura sura</i>		11	48				59	1		3	23											3	33
	<i>Kisaura surasa</i>		3	5				8								2						1		3
	<i>Kisaura venusta</i>			1	1			2				p												p
	<i>Kisaura verecunda</i>		1					1			1													1
Total		22	47	174	31			274	51	38	74	136	57	185	138	89	70	160	134	120	p			1252
05	<i>Wormaldia abas</i>		5	2				7				1	1	1	1	1	35				1			41
	<i>Wormaldia acheloos</i>						1	1				2												2
	<i>Wormaldia congina</i>			1				1		1														1
	<i>Wormaldia dresiu</i>			1				1						1										1
	<i>Wormaldia etto</i>		2	4				6	p			2				1								3
	<i>Wormaldia graia</i>				1			1														3		3
	<i>Wormaldia gressitti</i>		9	1				10			1	p	1		2		2	1	3	2				12
	<i>Wormaldia inthanonensis</i>		1	1				2									2							2
	<i>Wormaldia lot</i>											p												p
	<i>Wormaldia nyctimon</i>				2			2									1	3						4
	<i>Wormaldia relictia</i>	2	21	4			1	28	3	1	3	3	2	53	116	51	28			46	4			310
	<i>Wormaldia serrata</i>	1						1														1		1
Total		3	38	14	3		2	60	3	2	4	8	4	55	119	51	32	39	56	7				380
Grand Total		46	212	997	395	1	20	41	1712	367	344	1684	702	2016	1224	563	1310	661	449	1689	1	1168		12299

Table 4.3 continued

07 Family Stenopsychidae; 01 Genus *Stenopsyche*

Gen code	Specific name								Occurrence													Abundance			
		I	II	III	IV	V	VI	VII		(blank)	January	February	March	April	May	June	July	August	September	October	November		December	(blank)	
01	<i>Stenopsyche benaventi</i>																								
	<i>Stenopsyche brevata</i>																								
	<i>Stenopsyche haimavalika</i>				2				2					5						1				6	
	<i>Stenopsyche hamata</i>				1				1				p											p	
	<i>Stenopsyche siamensis</i>					26			4	30	20	14	15	133	29	8	3	6	14	12	8	31		293	
Total				3	26			4	33	20	14	15	133	34	8	3	6	14	12	9	31		299		
Grand Total				3	26			4	33	20	14	15	133	34	8	3	6	14	12	9	31		299		

08 Family Polycentropodidae; 01 Genus *Kambaitipsyche*, 02 Genus *Pahamunaya*, 03 Genus *Crypnopsis*, 04 Genus *Nyctiophylax*, 05 Genus *Pseudoneureclipsis*, 06 Genus *Polyplectropus*, and 07 Genus *Plectronemia*

Gen code	Species								Occurrence													Abundance		
		I	II	III	IV	V	VI	VII		(blank)	January	February	March	April	May	June	July	August	September	October	November		December	Jun-Oct
01	<i>Cyropsis pingensis</i>				1				1													1		1
Total					1			1														1		1
02	<i>Holocentropus vietnamellus</i>			1					1				p											p
Total				1				1				p												p
03	<i>Kambaitipsyche hykriion</i>	1		1					2				2											2
Total		1		1				2				2												2
04	<i>Nyctiophylax althaia</i>					1			1				p											p
	<i>Nyctiophylax amaltheia</i>					2			2				3		1									4
	<i>Nyctiophylax amphonion</i>				1				1				1											1
	<i>Nyctiophylax archemoros</i>			1					1					1										1

Table 4.3 continued

Gen code	Species								Occurrence													Abundance		
		I	II	III	IV	V	VI	VII		(blank)	January	February	March	April	May	June	July	August	September	October	November		December	Jun-Oct
	<i>Nyctiophylax aristaios</i>		1						1				1											1
	<i>Nyctiophylax chiangmaiensis</i>			24	2				26		2	9	33	14	11	2	3	1	2					77
	<i>Nyctiophylax curtius</i>				1				1			1						1						1
	<i>Nyctiophylax echion</i>				1				1									1						1
	<i>Nyctiophylax khaosokensis</i>				7				7	3		1		2					2	1				9
	<i>Nyctiophylax khaoyaiensis</i>		1						1												4			4
	<i>Nyctiophylax maath</i>				12		23	1	36	2	17	7	6	5	32	6	5	4	16	8	2			110
	<i>Nyctiophylax mentor</i>		6						6			1	1	3		1		1						7
	<i>Nyctiophylax nahum</i>			1	1				2	1		p												1
	<i>Nyctiophylax pongdiatensis</i>			1	3				4			2		1			1							4
	<i>Nyctiophylax salma</i>							1	1														p	p
	<i>Nyctiophylax simaritensis</i>				1				1			1												1
	<i>Nyctiophylax suthepensis</i>			51	1				52	9	38	22	19	90	20	12	1	1	14	5	1			232
	<i>Nyctiophylax tonngachang</i>			1	2				3				5	2									2	9
	<i>Nyctiophylax valmiki</i>				1				1				1											1
	<i>Nyctiophylax zadok</i>				1			1	2			1						p						1
	Total		8	80	36		23	3	150	15	55	32	45	139	72	30	8	9	33	17	6	4		465
05	<i>Pahamunaya akontios</i>				2				2				p											p
	<i>Pahamunaya jihmita</i>			15	21				36	4	7	16	5	11	3	4	1	3	14	19	2			89
	<i>Pahamunaya joda</i>						1	1	2			1		2										3
	Total			15	23		1	1	40	4	7	16	6	11	5	4	1	3	14	19	2			92
06	<i>Plectrocnemia arphachad</i>	4	1						5			1	1	5				2				2		11
	<i>Plectrocnemia eber</i>	1	1						2			1						0						1
	<i>Plectrocnemia ecingoma</i>			27					27	1	3	18	15	30	25	4	2	6	10	4				118
	<i>Plectrocnemia luna</i>			2					2			1	1											2
	<i>Plectrocnemia resa</i>			1					1			1												1
	Total	5	32						37	1	5	20	16	36	25	4	2	8	10	4		2		133
07	<i>Polyplectropus admin</i>			20	26			3	49	4	3	16	4	7	10	14	2	3	14	5	3	p		85
	<i>Polyplectropus ahas</i>		2		1				3			1	p							3				4

Table 4.3 continued

Gen code	Species											Occurrence													Abundance		
		I	II	III	IV	V	VI	VII	(blank)	January	February		March	April	May	June	July	August	September	October	November	December	Jun-Oct	(blank)			
	<i>Polyplectropus aiolos</i>			3									3	1			15										16
	<i>Polyplectropus alkyone</i>				1								2				3										3
	<i>Polyplectropus anakgugur</i>												1				2										2
	<i>Polyplectropus apsyrtos</i>		1										1				2										1
	<i>Polyplectropus arni</i>			2									2				1										1
	<i>Polyplectropus erginos</i>												1				3										3
	<i>Polyplectropus ibykos</i>			2									2				2										4
	<i>Polyplectropus iphicles</i>		1										1												p		p
	<i>Polyplectropus korah</i>			1									1												1		1
	<i>Polyplectropus lehab</i>			1									1				1										1
	<i>Polyplectropus maiyarap</i>				2								2												1		2
	<i>Polyplectropus manasse</i>		1										1												1		1
	<i>Polyplectropus matthatha</i>				18								19	1	2	6	38	1	3		1	8	3		11		74
	<i>Polyplectropus menna</i>		2	57									59	4	13	16	12	24	13	7	1	3	3		8	p	104
	<i>Polyplectropus nahor</i>		2										2				2										2
	<i>Polyplectropus nangajna</i>			4	1								5			1	1								1		4
	<i>Polyplectropus narumonae</i>												1				3										3
	<i>Polyplectropus phrixos</i>		1										1				1										1
	<i>Polyplectropus prapat</i>																										
	<i>Polyplectropus saturnus</i>				2								2												2		2
	<i>Polyplectropus taleban</i>			1	2								5			1	8	1									10
	<i>Polyplectropus tharah</i>												1														1
	Total		10	91	53							10	164	10	18	43	73	37	45	21	5	18	22	8	24	p	324
08	<i>Pseudoneureclipsis achim</i>		1	10									11	2	10	5											17
	<i>Pseudoneureclipsis akarnanos</i>												1			1											1
	<i>Pseudoneureclipsis amon</i>			3	13								16	1	1	7	6	8				2		1			26
	<i>Pseudoneureclipsis arimaspos</i>			2									2			4	2										6
	<i>Pseudoneureclipsis asa</i>			11	1								12				5	14	2			9					30
	<i>Pseudoneureclipsis cheiron</i>				4								4		1		2							2			5
	<i>Pseudoneureclipsis chrysippus</i>				10								11	4	3		8	6	5				1				27

Table 4.3 continued

Gen code	Species								Occurrence (blank)													Abundance		
		I	II	III	IV	V	VI	VII		January	February	March	April	May	June	July	August	September	October	November	December		Jun-Oct	(blank)
	<i>Pseudoneureclipsis cincinnatus</i>				1				1															6
	<i>Pseudoneureclipsis enos</i>			1	2				3															4
	<i>Pseudoneureclipsis erebos</i>							1	1		p					3				1				3
	<i>Pseudoneureclipsis erechtheus</i>							1	1				3											3
	<i>Pseudoneureclipsis hai</i>																							
	<i>Pseudoneureclipsis jiswa</i>								1															p
	<i>Pseudoneureclipsis joktan</i>				1				1			p												p
	<i>Pseudoneureclipsis josia</i>		2	7					9			2	p	1	1							1		5
	<i>Pseudoneureclipsis kainam</i>			4	1			2	7	1		12			1					1			1	16
	<i>Pseudoneureclipsis kaineus</i>								1			1												1
	<i>Pseudoneureclipsis linos</i>				1				1			1												1
	<i>Pseudoneureclipsis locutius</i>				1				1				2											2
	<i>Pseudoneureclipsis lykurgos</i>	1		1					2					2										2
	<i>Pseudoneureclipsis magog</i>				1				1											1				1
	<i>Pseudoneureclipsis methusalah</i>	1		3					4				1	22	14									37
	<i>Pseudoneureclipsis parmenides</i>				1				1													9		9
	<i>Pseudoneureclipsis pax</i>				1				1				p											p
	<i>Pseudoneureclipsis philemon</i>			2					2					1	14									15
	<i>Pseudoneureclipsis picus</i>																							
	<i>Pseudoneureclipsis ramosa</i>			29	14			1	44	2	1	1	16	99	38	1	1	8	1			1		169
	<i>Pseudoneureclipsis saccheda</i>			7					7			2	2	1	1	1		p			1			8
	<i>Pseudoneureclipsis sobak</i>					1			1				p											p
	<i>Pseudoneureclipsis sukrip</i>		2						2					2										2
	<i>Pseudoneureclipsis thales</i>		1						1					3										3
	<i>Pseudoneureclipsis thiras</i>			2					2				2	1										3
	<i>Pseudoneureclipsis tramot</i>			1	3				4				15	6										21
	<i>Pseudoneureclipsis tramota</i>								20	20	5	21	16	14	11	6	4	1	1	7	2			108
	<i>Pseudoneureclipsis ulmeri</i>					1			1		1													1
	<i>Pseudoneureclipsis uma</i>			8	10			1	19		2	1	61	8	1	1	1			3	4			82
	<i>Pseudoneureclipsis usia</i>			40	5				45					51	124	73	21	7	5	2				283

Table 4.3 continued

Gen code	Species	I	II	III	IV	V	VI	VII	(blank)	Occurrence	January	February	March	April	May	June	July	August	September	October	November	December	Jun-Oct	(blank)	Abundance
	<i>Pseudoneureclipsis zagreus</i>				2					2										2				2	
	<i>Pseudoneureclipsis zethos</i>				2					2				2										2	
Total			8	134	93	1			8	244	30	24	61	192	306	173	32	17	24	16	12	4		10	901
Grand Total		6	59	321	206	1	24		22	639	59	105	156	338	509	331	112	35	56	93	66	41	4	12	1918

09 Family Dipseudopsidae; 01 Genus *Dipseudopsidae*

Gen code	Species	I	II	III	IV	V	VI	VII	(blank)	Occurrence	January	February	March	April	May	June	July	August	September	October	November	December	May-June	(blank)	Abundance
01	<i>Dipseudopsis benardi</i>				2	73	2			77	7	10	26	15	94	63	48	41	9	29	22	3		2	369
	<i>Dipseudopsis doehleri</i>				1					1				p											p
	<i>Dipseudopsis knappi</i>																								
	<i>Dipseudopsis nebulosa</i>				2	11				13	6		31	2		17		5	2	47					110
	<i>Dipseudopsis robustior</i>					27		38		65	10	60	50	40	40	44	22	15	5	16	32	10			344
	<i>Dipseudopsis varians</i>					8				8	3		1	5	1	4							1	2	17
Total				5	119	2	38		164	26	70	108	62	135	128	70	61	16	92	54	14	2	2	840	
02	<i>Hyalopsyche parsula</i>				7	1			8	11	1	3	15												30
Total					7	1			8	11	1	3	15												30
03	<i>Phylocentropus narumoniae</i>		35	2					1	38	3	1	15	46	121	108	59	39	10	2	12	2			418
	<i>Phylocentropus orientalis</i>		1						1	1					1										1
03 Total			35	2					1	38	3	1	15	46	121	108	59	39	10	2	12	2			418
Grand Total			35	7	126	3	38		1	210	40	72	126	123	257	236	129	100	26	94	66	16	2	2	1288

Table 4.3 continued

10 Family Psychomyiidae; 01 Genus *Eoneureclipsis*, 02 Genus *Lype*, 03 Genus *Paduniella*, 04 Genus *Psychomyia*, and 05 Genus *Tinodes*

Gen code	Species								Occurrence (blank)													Abundance			
		I	II	III	IV	V	VI	VII		January	February	March	April	May	June	July	August	September	October	November	December		Sep-Oct	(blank)	
01	<i>Eoneureclipsis alekto</i>		26						1	27				34	67	45	2	5						153	
	<i>Eoneureclipsis nykteus</i>				9					9						2		2	2	2				8	
	<i>Eoneureclipsis querquobad</i>		2	4						6		1		1	p	4		1							7
Total			28	4	9				1	42		1		1	34	67	51	2	8	2	2			168	
02	<i>Lype atria</i>		22	7	4					33	1	1	8	26	42	38	28	27	45	42		1	p	259	
	<i>Lype atria</i>				5					5			2		3						1	1		7	
Total			22	7	9					38	1	1	10	26	45	38	28	27	45	42	1	2	p	266	
03	<i>Paduniella achilleus</i>			1						1					p									p	
	<i>Paduniella anakenam</i>							1		1		1												1	
	<i>Paduniella dendrobia</i>		2							2		1										3		4	
	<i>Paduniella hatyaiensis</i>			1	1				1	3			7	1										8	
	<i>Paduniella maeklangensis</i>			11						11		4	4	88	4	1	9	3		2		1		116	
	<i>Paduniella mibzar</i>				1					1				p										p	
	<i>Paduniella ranongensis</i>				1					1	1													1	
	<i>Paduniella sampati</i>			1	8			2		11	1	2	1	p	2	1		3		1			p	11	
	<i>Paduniella semarangensis</i>	1		21	85			12		119	280	313	194	885	139	197	1102	193	10	27	87	383		3810	
	<i>Paduniella suwannamali</i>			5	7					12		2	3	5			1			2	1		1	15	
	<i>Paduniella thubalkain</i>			1						1					4										4
	<i>Paduniella tigridis</i>			1	1					2				p											p
<i>Paduniella wangtakraiensis</i>			5	1					7		4	8	26			1			1			1		41	
Total		1	2	47	105		15		2	172	282	326	211	1011	150	199	1113	199	10	33	88	387	1	1	4011
04	<i>Psychomyia adun</i>				4				4				p						4		47			51	
	<i>Psychomyia amor</i>		1	3					4		1			p					6					7	

Table 4.3 continued

Gen code	Species										Occurrence	January	February	March	April	May	June	July	August	September	October	November	December	Sep-Oct	(blank)	Abundance
		I	II	III	IV	V	VI	VII	(blank)																	
	<i>Psychomyia amphiaraos</i>		2	1	3		1				7				1	1			3							5
	<i>Psychomyia arthit</i>			15	4						19			10	85		37	120	4	2		1	3			262
	<i>Psychomyia barata</i>			22							22	3	4	18		5	14	1	4	7		2				58
	<i>Psychomyia benyagai</i>		4	2							6				11		70	2								83
	<i>Psychomyia capillata</i>				17						17	3	18	12	27	19	13	3		50		7	46			198
	<i>Psychomyia chompu</i>		3	18	1						22		4	39	84	13		57	7			1	24			229
	<i>Psychomyia eriphyle</i>			2							2					3				1						4
	<i>Psychomyia indra</i>			1	23						24	52	99	945	176	4	50	6	33	80	46	1	29			1521
	<i>Psychomyia intorachit</i>			10	1						11		1	51	p		48				1					101
	<i>Psychomyia itys</i>				10						10		2	12	8			27	5	1	1	2	3			61
	<i>Psychomyia kaiya</i>			38	3			5			46		2	5	70	19	277	146	73	1	3	12	5			613
	<i>Psychomyia kerynitia</i>			3							3			1			6									7
	<i>Psychomyia kiskinda</i>		1	10	2						13	9		1	14	1	3		1				28			57
	<i>Psychomyia kuni</i>		1	3	5						9		15	3	2					5	2					27
	<i>Psychomyia lak</i>		1	38	15		2				56		14	74	89	17	373	95	74	8	3	24	9			780
	<i>Psychomyia mento</i>				1						1					2										2
	<i>Psychomyia mithila</i>		1	7	1						9				2		9	1					4			16
	<i>Psychomyia monto</i>			5	6						11			3	3	4	12	7		1						30
	<i>Psychomyia reguel</i>			1							1				1											1
	<i>Psychomyia samanaka</i>				2						2				2								p			2
	<i>Psychomyia sinon</i>				2						2										8					8
	<i>Psychomyia subhasrii</i>			1							1			3												3
	<i>Psychomyia suwanamali</i>						1				1			2												2
	<i>Psychomyia thienemanni</i>				7						7	15	1		1	1	1				2		1			22
	Total		14	180	107			9			310	83	160	1179	576	89	913	465	204	156	76	50	199			4150
05	<i>Tinodes achaemenides</i>				3						3				p				2			1				3
	<i>Tinodes acheron</i>			7							7		1	1	4	1			1							8

Table 4.3 continued

Gen code	Species								Occurrence	January	February	March	April	May	June	July	August	September	October	November	December	Aug-Sep	(blank)	Abundance
		I	II	III	IV	V	VI	VII																
	<i>Abaria boripat</i>				1			1				1											1	
	<i>Abaria guatila</i>			2	4			6	6			2						3		2			13	
	<i>Abaria hamul</i>			1				1						p									p	
	<i>Abaria hemdan</i>							1						2									2	
	<i>Abaria heth</i>				1			1				1											1	
	<i>Abaria iuma</i>				1			1			1												1	
Total			2	3	7		1	13	6		1	4	2				3	1	2		10		29	
02	<i>Cnodocentron brogimarus</i>		1	7				8	1	3	1	3					4			2			14	
Total			1	7				8	1	3	1	3					4			2			14	
03	<i>Drepanocentron curmisagius</i>			13	5			18		7	16	4		5	4	1	4	3				3	47	
	<i>Drepanocentron jabal</i>			1	1			2			1									2			3	
	<i>Drepanocentron vercaius</i>		3	3	3			9		1	8	1					1		2				13	
Total			3	17	9			29		8	25	5		5	4	1	5	3	2	2		3	63	
04	<i>Melanotrichia attia</i>		7	3	2			12		2	5	34		2	1		1	2					47	
	<i>Melanotrichia hanuman</i>				1			1				1											1	
	<i>Melanotrichia mayavi</i>				2			2				1				1							2	
	<i>Melanotrichia samaconius</i>			3	4			7				1	1	2			1	2		1			8	
Total			7	6	9			22		2	5	37	1	4	1	1	2	4		1			58	
05	<i>Proxiphocentron patrus</i>			1				1				1											1	
	<i>Proxiphocentron arjinae</i>				1			1					7										7	
Total				1	1			2				1	7										8	
Grand Total			13	34	26		1	74	7	13	32	50	10	9	5	2	14	8	4	5	10	3	172	

Table 4.3 continued

12 Family Ecnomidae; 01 Genus *Ecnomus*

Gen code	Species	I	II	III	IV	V	VI	VII	(blank)	Occurrence	January	February	March	April	May	June	July	August	September	October	November	December	(blank)	Abundance
01	<i>Ecnomus aktaion</i>			1	1			2		4			3	2	1									6
	<i>Ecnomus alkaios</i>				1	1				2				2	1									3
	<i>Ecnomus alkestis</i>			3						3	p		1	1										2
	<i>Ecnomus alkinoos</i>		1							1				1										1
	<i>Ecnomus alkmaion</i>			1					1	2			p	p										p
	<i>Ecnomus alkmene</i>				3	1				4				21										21
	<i>Ecnomus alkmere</i>			1						1			1											1
	<i>Ecnomus areion</i>		1							1				1										1
	<i>Ecnomus argonautos</i>				1					1				1										1
	<i>Ecnomus atevalus</i>				23	2	2			27	3		2	9	2	2	9	7	7	1	4	2		48
	<i>Ecnomus battu</i>				3					3	3			1						1				5
	<i>Ecnomus benjabi</i>				1					1								6						6
	<i>Ecnomus bou</i>			2		1				3	1	p										1		2
	<i>Ecnomus caesar</i>			1						1			1											1
	<i>Ecnomus cattienensis</i>			1		1				2	1	p												1
	<i>Ecnomus cincibilus</i>				13	1	2			16	7	1	1	3		2		1	1	1	4			21
	<i>Ecnomus digitatus</i>				1					1										1				1
	<i>Ecnomus doros</i>				1					1										p				p
	<i>Ecnomus eurytos</i>			1						1													p	p
	<i>Ecnomus hesiod</i>				1					1													6	6
	<i>Ecnomus hyacinthos</i>		30							30				37	112	208	133	17	14	p		4		525
	<i>Ecnomus hypnos</i>			1						1			p											p
	<i>Ecnomus ilos</i>				1					1												2		2
	<i>Ecnomus jojachin</i>			3	11		1			15	1		3	8	p	5				3	2	1	p	23
	<i>Ecnomus lapithos</i>				2					2			2											2
	<i>Ecnomus mammus</i>			15	1	7			1	24	1	4	7	5	4	9	1	7		2	1			41
	<i>Ecnomus neri</i>			1	1					2			1											1

Table 4.3 continued

Gen code	Species										Occurrence	January	February	March	April	May	June	July	August	September	October	November	December	(blank)	Abundance
		I	II	III	IV	V	VI	VII	(blank)																
	<i>Ecnomus paget</i>			1		1					2		p		3										3
	<i>Ecnomus penjabi</i>									1	1									p					p
	<i>Ecnomus plaiwat</i>				6						6			4	1					1					6
	<i>Ecnomus plotin</i>				1						1												7		7
	<i>Ecnomus promat</i>				2	2					4			2							2				4
	<i>Ecnomus pseudotenellus</i>				7						7			1		7		4		1		1			18
	<i>Ecnomus puro</i>			2	125		1	16			144	65	927	740	259	285	221	836	230	64	346	30	75	p	4078
	<i>Ecnomus quordaio</i>				1		1				2		2												2
	<i>Ecnomus ramayana</i>				1	27					28	44	27	108	299	246	109	47	9	28	8	12	5		942
	<i>Ecnomus robustior</i>				1	4					5			2			5		1	1					9
	<i>Ecnomus sela</i>									2	2														2
	<i>Ecnomus silenos</i>										2	2		2											2
	<i>Ecnomus stentor</i>						2				2	2													2
	<i>Ecnomus suadrus</i>		2	2							4			2	3				p						5
	<i>Ecnomus talenoi</i>					1		1			2				1	4									5
	<i>Ecnomus thamar</i>				1	1					2				p										1
	<i>Ecnomus thamyris</i>					2					2						2								2
	<i>Ecnomus thogarma</i>					1					1			1											1
	<i>Ecnomus tinco</i>				1	1					2				1						p				1
	<i>Ecnomus totiio</i>					3	1				4										2		p		3
	<i>Ecnomus uttu</i>				2	31					33	7	21	31	23	1	13	33	49	43	29	2	p		252
	<i>Ecnomus venimar</i>				2	30				1	33	4	1	5	90	15	12	6	3	1	4	4	2	p	147
	<i>Ecnomus vibenus</i>				1	3					4			1	7										8
	<i>Ecnomus vinemar</i>					2					2							6			4				10
	<i>Ecnomus volovicus</i>				8	4					12	35	3	5				3				3	p		49
	<i>Ecnomus votticius</i>				1	1	18				20	1	6	16	20	4	13	2		4	3	4	1		74
	<i>Ecnomus zephyros</i>					1					1	2													2
	Total		34	31	340	17	49		6	477	178	995	924	807	686	603	1073	342	163	410	66	94	13		6354
	Grand Total		34	31	340	17	49		6	477	178	995	924	807	686	603	1073	342	163	410	66	94	13		6354

Table 4.3 continued

13 Family Arctopsychidae; 01 Genus *Arctopsyche*, 02 Genus *Maesaipsyche*, and 03 Genus *Parapsyche*

Gen code	Species									Occurrence													Abundance	
		I	II	III	IV	V	VI	VII	(blank)		January	February	March	April	June	July	August	September	October	November	December	Nov-Dec		(blank)
01	<i>Arctopsyche hynreck</i>	1	21	12	1					35	2		2	7	38	26	18	11	8	36	14	1		163
	<i>Arctopsyche variabilis</i>	5								5			1	1		2				1				5
Total		6	21	12	1					40	2		3	8	38	28	18	11	8	37	14	1		168
02	<i>Maesaipsyche prichapanyai</i>			1	3					4	1	2		1								p		4
	<i>Maesaipsyche stengeli</i>																							
Total				1	3					4	1	2		1								p		4
03	<i>Parapsyche intawitschajanon</i>	2								2			1		1									2
Total		2								2			1		1									2
Grand Total		8	21	13	4					46	3	2	4	9	39	28	18	11	8	37	14	1		174

14 Family Hydropsychidae; 01 Genus *Aethaloptera*, 02 Genus *Amphipsyche*, 03 Genus *Cheumatopsyche*, 04 Genus *Diplectrona*, 05 Genus *Hydromanicus*, 06 Genus *Hydropsyche*, 07 Genus *Macrostemum*, 08 Genus *Oestropsyche*, 09 Genus *Polymorphanus*, 10 Genus *Potamyia*, 11 Genus *Pseudoleptonema*, and 12 Genus *Trichomacronema*

Gen code	Species									Occurrence													Abundance	
		I	II	III	IV	V	VI	VII	(blank)		January	February	March	April	May	June	July	August	September	October	November	December		(blank)
01	<i>Aethaloptera sexpunctata</i>				52		1			53	22	22	7	187	22	49	419	111	466	55	86	27	p	1473
	Total				52		1			53	22	22	7	187	22	49	419	111	466	55	86	27	p	1473
02	<i>Amphipsyche gratiosa</i>			5	26					31	27	11	20	1	21	63	2		2	19	4	5		175
	<i>Amphipsyche meridiana</i>				92		4			96	645	150	124	169	101	211	269	191	334	245	319	215	p	2973
Total				5	118		4			127	672	161	144	170	122	274	271	191	336	264	323	220	p	3148

Table 4.3 continued

Gen code	Species										Occurrence	January	February	March	April	May	June	July	August	September	October	November	December	(blank)	Abundance
		I	II	III	IV	V	VI	VII	(blank)																
03	<i>Cheumatopsyche admetos</i>			12							12			5	5	5			2		2				19
	<i>Cheumatopsyche automedon</i>		1	3						1	5				1	1		2							5
	<i>Cheumatopsyche banksi</i>		1		14		11	2		28	1	2	1	3	55	1	5		15	7	2		p		92
	<i>Cheumatopsyche bardiana</i>			3						3		1	2					1							4
	<i>Cheumatopsyche caieta</i>		2	4			2			8			8	4				2	1						15
	<i>Cheumatopsyche camena</i>				4					4		1						1	2				p		4
	<i>Cheumatopsyche carmentis</i>		1	5	5		1			12		4	50	55		1				7	2				119
	<i>Cheumatopsyche carna</i>			20	1					22		1	8	3		956	2	1		2					973
	<i>Cheumatopsyche ceres</i>		3	11						14	1	4	3	2		83	11				20				124
	<i>Cheumatopsyche chariklo</i>			1						2								p					1		1
	<i>Cheumatopsyche charites</i>		1	30	107	1	1			142	477	587	416	3415	320	6563	328	296	754	268	20	39	p		13483
	<i>Cheumatopsyche chione</i>			1						1		1													1
	<i>Cheumatopsyche chryseis</i>			4	33					37	23	18	69	55	53		56	39	69	129	3	15			529
	<i>Cheumatopsyche chrysothemis</i>			6	16					24	4	2	56	57	21	29	4	p	1	1		1			176
	<i>Cheumatopsyche cocles</i>		1	116	1					118	53	142	126	299	164	138	80	123	96	128	61	42			1452
	<i>Cheumatopsyche columnata</i>																								
	<i>Cheumatopsyche concava</i>			4	5					9			4		15	3	19			13	1				55
	<i>Cheumatopsyche concordia</i>			1						1			p												p
	<i>Cheumatopsyche copia</i>		1	42	58				1	102	106	312	482	1436	270	1843	158	610	559	344	148	585	p		6853
	<i>Cheumatopsyche cornix</i>				5					5	10			40				7							57
	<i>Cheumatopsyche criseyde</i>		1	60	11					72	30	86	19	254	295	452	55	28	183	58	62	1			1523
	<i>Cheumatopsyche danae</i>		1							1								1							1
	<i>Cheumatopsyche dhanikari</i>			4	7					11	3	1	1		1					14		11			32
	<i>Cheumatopsyche dubitans</i>			3	7					10	8	22	14	34				2							80
	<i>Cheumatopsyche epigona</i>				1					1										1					1
	<i>Cheumatopsyche gaia</i>			1						1				3											3

Table 4.3 continued

Gen code	Species									Occurrence	Month												Abundance			
		I	II	III	IV	V	VI	VII	(blank)		January	February	March	April	May	June	July	August	September	October	November	December		(blank)		
	<i>Cheumatopsyche galahittigama</i>																									
	<i>Cheumatopsyche globosa</i>			13	75			35	5	128	70	295	236	141	50	500	16	27	77	94	46	30			1582	
	<i>Cheumatopsyche jaekam</i>			2	2					4		71	7			14									92	
	<i>Cheumatopsyche jiriana</i>	2		1						3				1				1	1						3	
	<i>Cheumatopsyche kebumena</i>				20				1	21	21	2	33	253		1		59		81	15				465	
	<i>Cheumatopsyche lucida</i>		9	164			41	6		220	404	573	536	471	364	213	214	197	305	355	229	226	p	4087		
	<i>Cheumatopsyche musiana</i>				2					2		1		1											2	
	<i>Cheumatopsyche naumanni</i>			11						11	9		53	97		3	50		1	15		4			232	
	<i>Cheumatopsyche niasensis</i>			1	4					5	1		2	1				1		1					6	
	<i>Cheumatopsyche ningmapa</i>			4						4		9		11				1							21	
	<i>Cheumatopsyche peirithoos</i>	1		1						2								2							2	
	<i>Cheumatopsyche schwendingeri</i>	8		5	4					17			1	95	30		1		12	4	2				145	
	<i>Cheumatopsyche temburonga</i>			1						1					1										1	
	<i>Cheumatopsyche theophane</i>				2					2	1			1											2	
	<i>Cheumatopsyche tramota</i>			3	19					22	201	693	8	211	3	638		1		5		1	p	1761		
	<i>Cheumatopsyche trilaris</i>			2	4		1		2	9		3		8						1	7	1	p	20		
	Total		24	384	571	1	92	13	11	1096	1424	2831	2138	6958	1648	11439	1003	1399	2078	1528	620	957	p	34023		
04	<i>Diplectrona aurovittata</i>	5	20	56	7					88	2	3	17	30	24	124	21	8	10	10	32	12			293	
	<i>Diplectrona burha</i>	1			1	2			1	5	p			4								3	5	12		
	<i>Diplectrona dulitensis</i>				1	15			1	17		1	5	14	1			1		7		2	80	111		
	<i>Diplectrona eurydike</i>		7	34	1				1	43		4	4	10	13	8	8	1	5	5	9	3	30	100		
	<i>Diplectrona galateia</i>																									
	<i>Diplectrona gombak</i>				3	51			3	57	36	14	59	115	1	18	3	63	12	105	23	11	60	520		
	<i>Diplectrona harpyia</i>	13	3	1						17	0	2	2	6	1	2	3	18		3	3				40	
	<i>Diplectrona hermione</i>		3	18	6					27	5		6	1	5	7	5	1	1	7	9	1	1	49		
	<i>Diplectrona joannisi</i>		3	13					1	17			1	5	1	2	3			4	10	1	120	147		

Table 4.3 continued

Gen code	Species									Occurrence													Abundance	
		I	II	III	IV	V	VI	VII	(blank)		January	February	March	April	May	June	July	August	September	October	November	December		(blank)
	<i>Diplectrona pseudofasciata</i>				3				3		1		3											4
	<i>Diplectrona ungaranica</i>		1						1			2												2
Total		19	37	127	85				7	275	43	25	96	188	46	161	43	92	28	141	86	33	296	1278
05	<i>Hydromanicus abiud</i>		1	54	14				69	3	7	15	34	14	12	4	13	9	7	4		p		122
	<i>Hydromanicus adonis</i>		1	28	3				32	6	2	1	2	1	4	5	2	1	8	16	2			50
	<i>Hydromanicus chattrakan</i>		1					3	4			54							3		1			58
	<i>Hydromanicus eldaa</i>			2					2		1										2			3
	<i>Hydromanicus eliakim</i>	3	17	15	8				43	7	11	23	30	1	18	63	10	15	9	7	25	p		219
	<i>Hydromanicus inferior</i>	1	3	120	42				166	11	14	54	75	82	308	220	55	39	62	17	5	p		942
	<i>Hydromanicus klanklini</i>		2	46	24			1	73	3	1	7	6	7	22	18	34	39	34	25	2			198
	<i>Hydromanicus luctuosus</i>		19	100	7				126	21	40	33	66	92	97	82	72	80	44	44	30			701
	<i>Hydromanicus punctosalis</i>		4	2					6		1	1			14			5		1	1			23
	<i>Hydromanicus scotosius</i>		2	9					11	1		2	1	1	1	2	1			2	1			12
	<i>Hydromanicus sealthiel</i>		4	38					42	17	15	10	24	56	37	8	2	36	25	10	29	p		269
	<i>Hydromanicus serubabel</i>		2	125	32				159	35	87	59	80	76	152	63	146	70	92	68	30			958
Total		4	56	539	130			4	733	104	179	257	319	330	651	478	336	295	284	194	128	p		3555
06	<i>Hydropsyche angkangensis</i>		1	3	1				5				8		1			1		1				11
	<i>Hydropsyche appendicularis</i>			1					1		1													1
	<i>Hydropsyche arcturus</i>		8	28					36	2	5	21	8	2	7	5	5	3	26	9	6			99
	<i>Hydropsyche askalaphos</i>		3	37	2			2	44	10	2	164	21	15	70	17	60	27	57	26	1			470
	<i>Hydropsyche atropos</i>		4	6	5			1	16	2	3	3	2	9	9	1	2	6	2			1		40
	<i>Hydropsyche attis</i>		4	3	1			1	9			2	3		2									19
	<i>Hydropsyche augeias</i>		3	6				1	10	1		3	8	1		5								29
	<i>Hydropsyche bacchus</i>		1	4					5		4	1			5	1					1			12
	<i>Hydropsyche baimaii</i>			1					1															6
	<i>Hydropsyche battos</i>		20	5				1	26	5	3			6	4	31	23	16	15	48	26			177

Table 4.3 continued

Gen code	Species										Occurrence													Abundance	
		I	II	III	IV	V	VI	VII	(blank)	January		February	March	April	May	June	July	August	September	October	November	December	(blank)		
	<i>Hydropsyche baubo</i>	1	1	1					1	4															136
	<i>Hydropsyche binaria</i>	4	5	2	3					14		1	4	4		1	1	5	25	14	1				56
	<i>Hydropsyche biton</i>				1					1								4							4
	<i>Hydropsyche bonuseventus</i>		1	15						16	4	2	5	1	1	4	9	10		6	2				44
	<i>Hydropsyche bootes</i>		9	50						59	2	2	109	198	271	125	86	5	6	18	19	1	p		842
	<i>Hydropsyche boreas</i>				1					1										1					1
	<i>Hydropsyche bracchus</i>		2	1						3		7		p									14		21
	<i>Hydropsyche briareus</i>		1	40						41		1	27	9	13	54	59	41	8	22	11				245
	<i>Hydropsyche brontes</i>			2	45		1			48	34	69	81	47	37	51	5	59	29	99	60	116	p		687
	<i>Hydropsyche butes</i>			7						7	1	1	3	1				2		3	1				12
	<i>Hydropsyche cacus</i>			5	3				3	11		1	11	4	3			3	1	1					24
	<i>Hydropsyche camillus</i>		2	19	30		1			52	5	8	11	13	12	75	1	18	2	16	1	9	p		171
	<i>Hydropsyche cerva</i>			10						10			7		8	18									33
	<i>Hydropsyche clitumnus</i>		3	20	1					24	8	13	4	8			5	15		9	14	52			128
	<i>Hydropsyche doctersi</i>			10	8					18	2	8	2	7		8	6	3			1	1	p		38
	<i>Hydropsyche dolosa</i>			3	33		1			37	9	4	39	14	3	27	20	35	5	73	2	3	p		234
	<i>Hydropsyche formosana</i>			2						2						14					1				15
	<i>Hydropsyche harpagofalcata</i>		10	32						42	19	29	64	24	63	22	11	8	3	72	22	38			375
	<i>Hydropsyche hestia</i>				1					1				1											1
	<i>Hydropsyche napaea</i>			11						11	1	21	1	10		1		13			17	7			71
	<i>Hydropsyche pallipenne</i>	1		8	36					45	5	7	19	10	10	11	9	23	7	89	18	68	p		276
	<i>Hydropsyche serubabel</i>			1						1					1										1
	<i>Hydropsyche uvana</i>		5	23						28		9	19	9	2	21	3	3		2	2				70
Total		6	83	349	178		3		10	629	110	200	709	428	460	529	278	323	123	540	274	360	15		4349
07	<i>Macrostemum albardana</i>				2					2				2					1						3
	<i>Macrostemum bellerophon</i>		1							1								1							1

Table 4.3 continued

Gen code	Species									Occurrence													Abundance		
		I	II	III	IV	V	VI	VII	(blank)		January	February	March	April	May	June	July	August	September	October	November	December		(blank)	
	<i>Macrostemum dione</i>				9				9	4	1		2		3									p	10
	<i>Macrostemum fastosum</i>		2	45	22				69	1	1	21	50	34	61	48	7	9	14	6	1				253
	<i>Macrostemum fenestratum</i>		1	1	44			2	48	131	102	117	123	3	97		34	3	60	3	8	p		681	
	<i>Macrostemum floridum</i>			8	81				89	30	11	61	232	509	189	28	21	5	9	28	7	p		1130	
	<i>Macrostemum hestia</i>		8	14	6			1	29	3	5	17	15	3	6	1		1	4					55	
	<i>Macrostemum indistinctum</i>																								
	<i>Macrostemum midas</i>		1	27	40			1	69	7	6	4	27	53	52	6	3	37	12	12	18	p		237	
	<i>Macrostemum mithras</i>		1	1	1				3			16	2												18
	<i>Macrostemum similior</i>																								
	<i>Macrostemum dohrni</i>			1	21				22	8	5	8	13		1	5	2	18	1	2	2	p		65	
Total			14	97	226			4	341	184	131	244	466	602	409	88	68	74	100	51	36	p		2453	
08	<i>Oestropsyche vitrina</i>			1	1				2			176													176
Total				1	1				2			176													176
09	<i>Polymorphanisus astictus</i>				22				22	5	3	10	27	7	4	2	3	3	4	1	4				73
	<i>Polymorphanisus muluensis</i>				4				4													p		p	
	<i>Polymorphanisus nigricornis</i>				3				3								1	2				p		3	
	<i>Polymorphanisus ocularis</i>																								
	<i>Polymorphanisus umbripes</i>																								
Total					29				29	5	3	10	27	7	4	2	4	5	4	1	4	p		76	
10	<i>Potamyia alleni</i>		1	5	56		35	2	99	51	13	17	145	316	340	30	12	183	102	19	3	p		1231	
	<i>Potamyia aureipennis</i>			1	2				3				1									p		1	
	<i>Potamyia baenzigeri</i>		6			1			7	8		4		3	2									17	
	<i>Potamyia chaos</i>				20				20	56	116	257	61	149	61	14	107	3	13		8			845	
	<i>Potamyia dryope</i>			1	2				3			119						2						121	
	<i>Potamyia elektra</i>			21	1				22		1	5	113	18	165	33	25	12	2	1				375	
	<i>Potamyia epigona</i>		1						1				1											1	

Table 4.3 continued

Gen code	Species									Occurrence	January	February	March	April	May	June	July	August	September	October	November	December	(blank)	Abundance
		I	II	III	IV	V	VI	VII	(blank)															
	<i>Potamyia eudadne</i>			1					2	3		p	1	14										15
	<i>Potamyia flavata</i>			9	98		16	1		124	45	55	236	176	61	203	25	10	15	86	25	64	p	1001
	<i>Potamyia horvati</i>			27	1				1	29	2	5	7	19	2	22	7	1	1	4	13	2		85
	<i>Potamyia kaiya</i>			1						1						1								1
	<i>Potamyia panakeia</i>		2	15	3				1	21	1	2	51	112	4		6	26	1	17	3			223
	<i>Potamyia peitho</i>		2							2			p							1				1
	<i>Potamyia periboia</i>			2	2					4			18											18
	<i>Potamyia phaidra</i>			18	71				1	90	11	27	70	34	11	129	36	35	72	165	8	56	p	654
Total			6	107	256	1	51	3	5	429	174	219	785	676	561	924	153	216	287	392	69	133	p	4589
11	<i>Pseudoleptonema erawan</i>			2	2					4				p	15									15
	<i>Pseudoleptonema quinquefasciatum</i>			15	5				1	21			532	42	25	129	18	13	2	39				800
	<i>Pseudoleptonema supalak</i>			2	9				1	12		3	36	2				3	7	3	1			55
Total				19	16				2	37		3	568	44	25	144	18	16	9	42	1			870
12	<i>Trichomacronema paniae</i>		9	55						64	9	19	51	75	59	91	79	49	26	18				476
	<i>Trichomacronema tamdao</i>		1	1	24					26	2	6	6	13	12	3	29	5	115	6	6	7		210
Total			10	56	24					90	11	25	57	88	71	94	108	54	141	24	6	7		686
Grand Total		29	230	1684	1686	2	151	16	43	3841	2749	3799	5191	9551	3894	14678	2861	2810	3842	3374	1711	1905	311	56676

15 Family Phryganeidae; 01 Genus *Eubasilissa*

Gen code	Species								Occurrence	January	February	March	April	May	June	July	August	September	October	November	December	Abundance	
		I	II	III	IV	V	VI	VII															
01	<i>Eubasilissa maclachlani</i>	3	15						18			12	2	2	8	7	4				4		39
Total		3	15						18			12	2	2	8	7	4				4		39
Grand Total		3	15						18			12	2	2	8	7	4				4		39

Table 4.3 continued

16 Family Phryganopsychidae; 01 Genus *Phryganopsyche*

Gen code	Species								Occurrence	January	February	March	April	May	June	July	August	September	October	November	December	Abundance
		I	II	III	IV	V	VI	VII														
01	<i>Phryganopsyche latipennis</i>		14						14			3		1	7	3		2	2	3	1	22
Total			14						14			3		1	7	3		2	2	3	1	22
Grand Total									14			3		1	7	3		2	2	3	1	22

17 Family Brachycentridae; 01 Genus *Micrasema*

Gen code	Species								Occurrence	January	February	March	April	May	June	July	August	September	October	November	December	May-June	Abundance
		I	II	III	IV	V	VI	VII															
01	<i>Micrasema asuro</i>		1	2					3				1	1	1								3
	<i>Micrasema cupido</i>			4					4			209							68				277
	<i>Micrasema fortiso</i>		1	45					46		1	11	12	33	62	31	2	8	9	1	1	5	176
	<i>Micrasema helveio</i>			8					8	4		1		2					3				10
	<i>Micrasema kyknos</i>				12				12	1						2	2			2	4	3	14
	<i>Micrasema turbo</i>			14	2				16						4	6	6	1	1	2	1		20
Total			16	73				89	5	1	221	13	36	67	39	10	12	81	6	4	5	500	
Grand Total			16	73				89	5	1	221	13	36	67	39	10	12	81	6	4	5	500	

Table 4.3 continued

18 Family Limnacentropodidae; 01 Genus *Limnacentropus*

Gen code	Species	VI							Occurrence	Abundance														
		I	II	III	IV	V	VI	I		(blank)	January	February	March	April	May	June	July	August	September	October	November	December	Oct-Nov	
01	<i>Limnacentropus apollon</i>		1						1					1										1
	<i>Limnacentropus auratus</i>			2	1				3					2	4									6
	<i>Limnacentropus hysbald</i>		2	7					9					p	13	35	p							48
	<i>Limnacentropus inthanonensis</i>	5	3						8		2	15	1	1										19
	<i>Limnacentropus sammuanensis</i>		1	4				1	6			1	8	68	6									83
	<i>Limnacentropus siribhumensis</i>	1	1						2			11											1	12
Total		6	8	13	1				29		2	27	12	86	41	p							1	169
Grand Total		6	8	13	1				29		2	27	12	86	41	p							1	169

19 Family Limnephilidae; 01 Genus *Moropsyche*, and 02 Genus *Nothopsyche*

Gen code	Species	VII							Occurrence	Abundance														
		I	II	III	IV	V	VI	VII		January	February	March	April	May	June	July	August	September	October	November	December	Mar-Apr		
01	<i>Moropsyche gerolan</i>	4	1						5			1	2			1	1							5
	<i>Moropsyche huaisailianga</i>		1	32					33	4	11	17	5	10	3	2	1	1	2	3	3			62
	<i>Moropsyche huaysailianga</i>		3						3		4						p							4
	<i>Moropsyche inachos</i>	1	13	3					17			1	3	5	10	11	2	3		2		p		37
	<i>Moropsyche suteminn</i>	1							1	3														3
Total		6	18	35					59	7	15	19	10	15	13	13	4	5	2	5	3	p		111
02	<i>Nothopsyche muqua</i>	1	1						2	1										1				2
Total		1	1						2	1										1				2
Grand Total		7	19	35					61	8	15	19	10	15	13	13	4	5	2	6	3	p		113

Table 4.3 continued

20 Family Goeridae; 01 Genus *Gastrocentrides*, 02 Genus *Goera*, 03 Genus *Larcasia*

Gen code	Species								Occurrence													Abundance			
		I	II	III	IV	V	VI	VII		January	February	March	April	May	June	July	August	September	October	November	December		May-June	Sep-Oct	(blank)
01	<i>Gastrocentrides sumatrana</i>				1			1	2						1		1								2
Total					1			1	2						1		1								2
02	<i>Goera antigone</i>		4						4				2			1	1								4
	<i>Goera ateduna</i>			2	3				5	1		4				13									18
	<i>Goera atiugo</i>	1	7	5	1				14	1	2	7			13		1	2	1						27
	<i>Goera devinat</i>		1						1			1													1
	<i>Goera echo</i>				12				12	2	2	1	3		12	12		1	6	3					42
	<i>Goera ilo</i>		9	11	1				21			7	25	2	10	7									55
	<i>Goera mandana</i>		1	1					2	1		1													2
	<i>Goera matuilla</i>			12	9				21			1	8	2	13	2	12	1	2	2			2		45
	<i>Goera minor</i>			4	7				11	1	1	1	1	10				2	2				1		19
	<i>Goera redsat</i>		2	22	3				27	1	3	9	15	19	15	19	11	2	3			1			98
	<i>Goera redsomar</i>		1	23	12				36	1	2	5	7	14	102	16	1	4	1	5	3				161
	<i>Goera schmidi</i>		1	8	1				10			1	13	1	13										28
	<i>Goera seccio</i>			3					3			1					1			1					3
	<i>Goera solicur</i>			2	7				9	3	3		1		1				1	1	4			p	14
	<i>Goera tarumana</i>																								
	<i>Goera trouca</i>		1		1				2			2													2
	<i>Goera unica</i>			10					10			5	1	2	7	3			1						19
	<i>Goera uniformis</i>			9	47				56	17	11	18	22	28	24	8	10	9	37	10	16			p	210
Total		1	27	112	104				244	28	22	46	114	80	192	84	52	23	55	25	23	3	1	p	748
03	<i>Larcasia lannaensis</i>			23					23	2	2	3	2	5	20	16	1		3	2	4				60
Total				23					23	2	2	3	2	5	20	16	1		3	2	4				60
Grand Total		1	27	135	105			1	269	30	24	49	116	85	213	100	54	23	58	27	27	3	1	p	810

Table 4.3 continued

21 Family Uenoidae; 01 Genus *Uenoa*

Gen code	Species								Occurrence													Abundance		
		I	II	III	IV	V	VI	I		(blank)	January	February	March	April	May	June	July	August	September	October	November		December	
01	<i>Uenoa hiberna</i>			1					1								p							p
	<i>Uenoa ketura</i>	1							1									1						1
	<i>Uenoa lobata</i>																							
Total		1		1					2								p	1						1
Grand Total		1		1					2								p	1						2

22 Family Lepidostomatidae; 01 Genus *Lepidostoma*, 02 Genus *Paraphlegopteryx*, and 03 Genus *Zephyropsyche*

Gen code	Specific name								Occurrence													Abundance		
		I	II	III	IV	V	VI	VII		(blank)	January	February	March	April	May	June	July	August	September	October	November		December	(blank)
01	<i>Lepidostoma abruptum</i>			50	22				72	19	21	41	85	43	42	61	42	40	14	14	26			448
	<i>Lepidostoma aprilius</i>	1							1				3											3
	<i>Lepidostoma augustus</i>	1	2	1					4					2				1						3
	<i>Lepidostoma baenzigeri</i>		2						2				1							p				1
	<i>Lepidostoma brevipennis</i>				1				1				2											2
	<i>Lepidostoma brueckmanni</i>		8	15					23		5	7	17	17	1	3	6		1	1				58
	<i>Lepidostoma curatius</i>			1					1												2			2
	<i>Lepidostoma daidalion</i>			15				1	16			3	3	3	23	1	3		1	4				41
	<i>Lepidostoma diespiter</i>			1				1	2			1		1										2
	<i>Lepidostoma digitata</i>																							
	<i>Lepidostoma doligung</i>			34	23				57	5	2	10	18	22	38	13	8	9	5	15	3			148
	<i>Lepidostoma februaryus</i>		7	9					16	1	1	2	8	7	5		2	15		3				44

Table 4.3 continued

Gen code	Specific name	(blank)							Occurrence													Abundance	
		I	II	III	IV	V	VI	VII		January	February	March	April	May	June	July	August	September	October	November	December		(blank)
	<i>Lepidostoma fischeri</i>		11	7	1				19		1	3	25		116	19	11	3	6	87			271
	<i>Lepidostoma girgas</i>																						
	<i>Lepidostoma huaynamdang</i>		1						1							1							1
	<i>Lepidostoma ianus</i>		1	1					2				1									1	2
	<i>Lepidostoma inthanon</i>	12	2						14			10	11			13	6	6	3	25	1		75
	<i>Lepidostoma kyllaros</i>			3					3						5	1	1						7
	<i>Lepidostoma labdakos</i>		1						1				1										1
	<i>Lepidostoma lannaensis</i>		1	1					2			1			1								2
	<i>Lepidostoma latona</i>		8						8	1		2	1			1			1			3	9
	<i>Lepidostoma longipenis</i>			7					7			2	22						2				26
	<i>Lepidostoma martius</i>		2	23	9				34	2	4	8	6	2	4	2	4	5	8	3			48
	<i>Lepidostoma montatan</i>			9	1				10	5	1	1	2					3		1			13
	<i>Lepidostoma moulmina</i>			70				2	72	8	14	23	15	11	16	9	2	13	21	27	15		174
	<i>Lepidostoma navasi</i>		12	8					20		4	7	49		21	6	1		4	3			95
	<i>Lepidostoma obscura</i>		2	1					3				1	2									3
	<i>Lepidostoma octobrius</i>	2							2				1						2				3
	<i>Lepidostoma parva</i>																						
	<i>Lepidostoma pratetaiensis</i>		1	47	7				55	2	5	5	31	13	25	14		9	3	1	1	p	109
	<i>Lepidostoma pseudabruptum</i>			2	1			1	4								1		2				3
	<i>Lepidostoma ratanapruksi</i>	1							1			1											1
	<i>Lepidostoma schwendingeri</i>				3			1	4			4									1		5
	<i>Lepidostoma septembris</i>		1	13				1	15	2	2	1	3	3	3	1	1	1	3		1		18
	<i>Lepidostoma shanta</i>			1					1			p											0
	<i>Lepidostoma siribhum</i>		1						1			1											1
	<i>Lepidostoma subangana</i>				1				1			9											9
	<i>Lepidostoma taunggya</i>		5	20					25			12	11	1			1	10	1	3	1		40

Table 4.3 continued

Gen code	Specific name								Occurrence													Abundance		
		I	II	III	IV	V	VI	VII		(blank)	January	February	March	April	May	June	July	August	September	October	November		December	(blank)
	<i>Lepidostoma varithi</i> <i>Lepidostoma ylesomi</i>	2	1						3	1			1							1				3
Total		19	69	339	69			7	503	46	61	137	328	130	300	143	91	117	75	190	53	p	1671	
02	<i>Paraphlegopteryx angkangensis</i>	1							1													2	2	
	<i>Paraphlegopteryx malickyi</i>	5							5								1	1	1	2			5	
Total		6							6								1	1	1	4			7	
03	<i>Zephyropsyche weaveri</i>	2							2			3											3	
Total		2							2			3											3	
Grand Total		27	69	339	69			7	511	46	61	140	328	130	300	143	92	118	76	194	53	p	1681	

23 Family Leptoceridae; 01 Genus *Adicella*, 02 Genus *Athropsodes*, 03 Genus *Ceraclea*, 04 Genus *Leptocerus*, 05 Genus *Myatacides*, 06 Genus *Oecetis*, 07 Genus *Parasetodes*, 08 Genus *Poecilopsyche*, 09 Genus *Setodes*, 10 Genus *Tagalopsyche*, 11 Genus *Triaenodes*, 12 Genus *Trichosetodes*, and 13 Genus *Triplectides*

Gen code	Species								Occurrence													Abundance		
		I	II	III	IV	V	VI	VII		(blank)	January	February	March	April	May	June	July	August	September	October	November		December	(blank)
01	<i>Adicella capitata</i>																							
	<i>Adicella censicaca</i>		1						1										1					1
	<i>Adicella dryope</i>																							
	<i>Adicella elon</i>																							
	<i>Adicella evadne</i>		11	16	17				44		4	12	36	8	39	18	25	4	2	14				162
	<i>Adicella hero</i>			2					1	3	1		1	4										6
	<i>Adicella ilia</i>																							
	<i>Adicella iole</i>					1			3	4		1	5	17									3	26
	<i>Adicella iphimediaia</i>	1		1						2		1	4											5

Table 4.3 continued

Gen code	Species										Occurrence													Abundance	
		I	II	III	IV	V	VI	VII	(blank)	January		February	March	April	May	June	July	August	September	October	November	December	(blank)		
	<i>Adicella iuturna</i>								1	1				1											1
	<i>Adicella kalypso</i>																								
	<i>Adicella kanake</i>	2	10	3	11		1		3	30	1		8	19	8	3	7	8	3	3	1	2	11		74
	<i>Adicella kassandra</i>																								
	<i>Adicella klytaimestra</i>																								
	<i>Adicella koronis</i>		2	3	8				1	14	1		3	3		3			1	1		3	p		15
	<i>Adicella kydippe</i>																								
	<i>Adicella larentia</i>		2	4	1				1	8		2	1	16		1	1					1	21		43
	<i>Adicella longicerca</i>		2	1						3				1		1	1								3
	<i>Adicella medaia</i>	1	1							2				2											2
	<i>Adicella otos</i>	1								1				1											1
	<i>Adicella petraios</i>								1	1								1							1
	<i>Adicella ploessti</i>																								
	<i>Adicella remus</i>	1								1				1											1
	<i>Adicella rheia</i>				2					2				1								2			3
	<i>Adicella romulus</i>		1							1			1												1
	<i>Adicella starmuehlneri</i>																								
	<i>Adicella tamanni</i>			1						1				3											3
	Total	6	30	31	40		1		11	119	2	7	30	90	38	47	27	34	8	7	15	6	37		348
02	<i>Athripsodes phokos</i>				1					1			2												2
	Total				1					1			2												2
03	<i>Ceraclea corvina</i>																								
	<i>Ceraclea egeria</i>				6	1				7		13	23				7		2				p		45
	<i>Ceraclea globosa</i>			1						1		25													25
	<i>Ceraclea habe</i>			1	1					2			10												10
	<i>Ceraclea harmonia</i>																								

Table 4.3 continued

Gen code	Species									Occurrence	January	February	March	April	May	June	July	August	September	October	November	December	(blank)	Abundance
		I	II	III	IV	V	VI	VII	(blank)															
	<i>Ceraclea harpalyke</i>			3	1	2	1		3	10	5		3	5		4						3	2	22
	<i>Ceraclea hebe</i>			1					3	4			32	11								1	2	46
	<i>Ceraclea hekabe</i>																							
	<i>Ceraclea hektor</i>				1					1			1											1
	<i>Ceraclea helena</i>				1					1				2										2
	<i>Ceraclea hera</i>			1						1				1										1
	<i>Ceraclea herse</i>			1						1					1									1
	<i>Ceraclea hersilia</i>					1	2		1	4	5	1									3		p	9
	<i>Ceraclea hesione</i>				1			1		2										2				2
	<i>Ceraclea hippodameia</i>			1						1				2										2
	<i>Ceraclea hydra</i>			4						4				9	46									55
	<i>Ceraclea hygieia</i>																							
	<i>Ceraclea hypermestra</i>																							
	<i>Ceraclea hypsipyle</i>																							
	<i>Ceraclea iambe</i>			1						1					2									2
	<i>Ceraclea idaia</i>			1	1	4			1	7	1	16		5		1								23
	<i>Ceraclea iuno</i>			1						1				1										1
	<i>Ceraclea modesta</i>							13	1	14	1		3	8	4		2	2	1	4				25
	<i>Ceraclea omar</i>				1					1													1	1
	Total			16	14	9	15	1	8	63	12	55	84	78	7	5	2	9	1	8	3	5	4	273
04	<i>Leptocerus agamemnon</i>				2					2				p										0
	<i>Leptocerus agaue</i>			3	1					4			1	1	1									3
	<i>Leptocerus amoenus</i>				7				1	8	5	1	6	4						1		2		19
	<i>Leptocerus bangsaenensis</i>								1	1				4										4
	<i>Leptocerus bheriensis</i>																							
	<i>Leptocerus chatadalaja</i>																							

Table 4.3 continued

Gen code	Species	Occurrence									Abundance													
		I	II	III	IV	V	VI	VII	(blank)	(blank)														
	<i>Leptocerus chiangmaiensis</i>				70	1	4			75	5	25	89	109	137	116	267	171	128	135	31	32		1245
	<i>Leptocerus ciconiae</i>				3					3												3	p	3
	<i>Leptocerus consus</i>				1					1			1											1
	<i>Leptocerus demophan</i>			1						1	1													1
	<i>Leptocerus diehli</i>				4		3		2	9		2	30	2		1					1	2		38
	<i>Leptocerus dirghachuka</i>			1	65		11			77	21	5	19	34	56	71	18	28	5	27	1	6	p	291
	<i>Leptocerus dryade</i>			2						2			1											1
	<i>Leptocerus empusa</i>				10					10			2	1	1	2	3	3	8					20
	<i>Leptocerus euros</i>			1						1												4		4
	<i>Leptocerus fames</i>				1					1			1											1
	<i>Leptocerus faunus</i>				8				2	10	6		3	9	7	2	5							32
	<i>Leptocerus faustulus</i>								1	1			1											1
	<i>Leptocerus febris</i>			4					1	5			26											26
	<i>Leptocerus ganymedes</i>			1						1			1											1
	<i>Leptocerus genius</i>																							
	<i>Leptocerus geryoneus</i>				2					2			2					2						4
	<i>Leptocerus glaukos</i>								1	1			2											2
	<i>Leptocerus gorgona</i>			2						2			2											2
	<i>Leptocerus hekale</i>			1	1					2			7											7
	<i>Leptocerus hylaios</i>			4						4		1				3	1							5
	<i>Leptocerus inthanonensis</i>			2	7					9			7	11	1	1	3	1	1	3				27
	<i>Leptocerus iuventas</i>		6							6					3	1	3							7
	<i>Leptocerus keleos</i>			1						1			1											1
	<i>Leptocerus lampunensis</i>			1	22	1				24	3		8	3	3	7	13	6	6	3		1		53
	<i>Leptocerus lannaensis</i>				1					1											1			1
	<i>Leptocerus lanzenbergeri</i>			2	22				1	25	1	2	7	10	8		1	2	4	26	3	2		66

Table 4.3 continued

Gen code	Species										Occurrence													Abundance	
		I	II	III	IV	V	VI	VII	(blank)	January		February	March	April	May	June	July	August	September	October	November	December	(blank)		
	<i>Leptocerus posticoides</i>				1					1															1
	<i>Leptocerus posticus</i>				6		20		1	27		21	16	15	3	10	10	13	34	43	4	2	1		172
	<i>Leptocerus proitos</i>			1						1			1												1
	<i>Leptocerus promkutkaewi</i>		2							2				5											5
	<i>Leptocerus protesilaos</i>			1					2	3			2								2				4
	<i>Leptocerus rutulus</i>				2					2				2											2
	<i>Leptocerus skamandrios</i>			1	3					4					14					2				0	16
	<i>Leptocerus suthepensis</i>			4	3		1			8		1	1		2	1			1			2			8
	<i>Leptocerus trophonios</i>																								
	<i>Leptocerus tungyawensis</i>		1							1				2											2
	<i>Leptocerus tusiops</i>				1					1									1						1
	<i>Leptocerus wangtakraiensis</i>				1				1	2			1		1										2
	<i>Leptocerus wanleelagi</i>			1						1					3										3
	<i>Leptocerus zalmoxis</i>				4					4					6										6
	Total		9	34	248	2	39		14	346	42	56	178	282	225	226	326	224	190	241	42	56	1		2089
05	<i>Mystacides elongatus</i>		1	1	2					4			1		1	2									4
	Total		1	1	2					4			1		1	2									4
06	<i>Oecetis aedon</i>				1				1	2				1								1			2
	<i>Oecetis amadillo</i>								1	1				2											2
	<i>Oecetis asmada</i>				7					7	11	4	4			1						1	p		21
	<i>Oecetis bengalica</i>				3		1			4										1	26		p		27
	<i>Oecetis biramosa</i>				8	1	34			43	5	5	8	21	23	24	12	7	3	49	20	4	p		181
	<i>Oecetis clavata</i>																								
	<i>Oecetis devakiputra</i>				1		1			2	1									5					6
	<i>Oecetis empusa</i>			9	88	2	22			121	28	63	50	127	247	107	25	20	18	45	22	12	p		764
	<i>Oecetis evirga</i>																								

Table 4.3 continued

Gen code	Species										Occurrence	January	February	March	April	May	June	July	August	September	October	November	December	(blank)	Abundance
		I	II	III	IV	V	VI	VII	(blank)																
	<i>Oecetis hades</i>		1	4							5			2		2					2				6
	<i>Oecetis helenos</i>			2	1						3			1	1	1									3
	<i>Oecetis hemerobioides</i>				1						1	2													2
	<i>Oecetis husam</i>																								
	<i>Oecetis hyperion</i>				1						1		1												1
	<i>Oecetis iapetos</i>			1							1		3												3
	<i>Oecetis iros</i>			1						1	2					14					p				14
	<i>Oecetis jacobsoni</i>				1						1												p		p
	<i>Oecetis kodros</i>																								
	<i>Oecetis kyanippos</i>			1	1					1	3		2	1											3
	<i>Oecetis ladon</i>			1							1		p												p
	<i>Oecetis laodike</i>				6	1				1	8	1		1	7	1							p		10
	<i>Oecetis learchos</i>									1	1			2											2
	<i>Oecetis leukone</i>			1							1			1											1
	<i>Oecetis lichas</i>				1						1			1											1
	<i>Oecetis lotis</i>				21					1	22	10	1	7	21	14	5		6	8	10		p		82
	<i>Oecetis maron</i>									3	3												p		p
	<i>Oecetis medos</i>				1						1			1											1
	<i>Oecetis meghadouta</i>				10		4				14			2	4	2	2	1			2		p		13
	<i>Oecetis melanthios</i>			1							1				p										p
	<i>Oecetis meleagros</i>				3					3	6			p	p								p		p
	<i>Oecetis miletos</i>				1					1	2												p		1
	<i>Oecetis misenos</i>			1	2					3	3	1		33											34
	<i>Oecetis momos</i>				1						1			1											1
	<i>Oecetis mystelos</i>			1						1	1			4											4
	<i>Oecetis nestor</i>			1						1	1			1											1
	<i>Oecetis numitor</i>																								

Table 4.3 continued

Gen code	Species										Occurrence	January	February	March	April	May	June	July	August	September	October	November	December	(blank)	Abundance	
		I	II	III	IV	V	VI	VII	(blank)																	
	<i>Oecetis nyx</i>		1								1			1											1	
	<i>Oecetis opora</i>				1						1	1													1	
	<i>Oecetis orthos</i>		1								1			p											0	
	<i>Oecetis pandora</i>			1							1			3											3	
	<i>Oecetis pegasos</i>			1	1						2		p	1											1	
	<i>Oecetis pretakalpa</i>			1	1						2					1					1				2	
	<i>Oecetis purucha</i>				1						1				3										3	
	<i>Oecetis purusamedha</i>			4	4						8			9	2	2		1			1				15	
	<i>Oecetis raghava</i>				2						2			1	1										2	
	<i>Oecetis respersellus</i>				12						12												p		0	
	<i>Oecetis scutulata</i>				1						1											1			1	
	<i>Oecetis skiron</i>				2						2	2													2	
	<i>Oecetis tages</i>				1						1														p	
	<i>Oecetis tripunctata</i>		3	6	66	3	37				115	23	63	53	141	50	131	38	9	8	p	32	47	29	p	624
	<i>Oecetis uniforma</i>																									
	<i>Oecetis villosa</i>			2							2									1	1					2
	Total		6	39	251	7	99		14		416	84	137	131	378	351	291	78	37	36	147	126	47	p	1843	
07	<i>Parasetodes bakeri</i>			5	33		1				39		4	12	39	12	9	3	16	10	3	1	1			110
	<i>Parasetodes maculatus</i>			1							1				p											0
	<i>Parasetodes respersella</i>			1							1									2						2
	Total			7	33		1				41		4	12	39	12	9	3	16	12	3	1	1			112
08	<i>Poecilopsyche gyges</i>								1		1													2		2
	<i>Poecilopsyche helle</i>																									
	<i>Poecilopsyche melanion</i>																									
	Total								1		1													2		2
09	<i>Setodes abhirakta</i>			12							12			3	1	14	1	6				4				29
	<i>Setodes akrura</i>			3							3				1	3										4

Table 4.3 continued

Gen code	Species										Occurrence	January	February	March	April	May	June	July	August	September	October	November	December	(blank)	Abundance
		I	II	III	IV	V	VI	VII	(blank)																
	<i>Setodes alampata</i>																								
	<i>Setodes argentiguttatus</i>			1	99	2	35				137	25	156	169	765	264	422	204	76	32	111	95	42	p	2361
	<i>Setodes endymion</i>			8	56		2		2		68	43	36	46	239	63	86	4	17	24	138	7	4		707
	<i>Setodes fluvialis</i>			2	44		14				60	9	18	31	149	219	66	18	1	13	15	5	22		566
	<i>Setodes gangaya</i>			2							2													p	0
	<i>Setodes harar</i>					1					1				3										3
	<i>Setodes hekatocheiros</i>			1							1				1										1
	<i>Setodes hermaphroditos</i>			2							2				3							1			4
	<i>Setodes hylas</i>				1					1	2			p	p										0
	<i>Setodes iolaos</i>			2					1		3				3										3
	<i>Setodes isis</i>			2	8						10				12	20	29							p	61
	<i>Setodes iulus</i>			1							1				p										0
	<i>Setodes iuppiter</i>			1							1				p										0
	<i>Setodes kabeiros</i>		2						1		3			1	p					1					2
	<i>Setodes kassiopeia</i>			1							1				p										0
	<i>Setodes kerkopos</i>		1	3							4			1			3					1			5
	<i>Setodes kleio</i>		1								1													p	0
	<i>Setodes kuretos</i>		1	1							2				2										2
	<i>Setodes lailaps</i>	4									4				3										3
	<i>Setodes larva</i>																								
	<i>Setodes latinos</i>				3						3		p		1										1
	<i>Setodes leandros</i>				1						1	1													1
	<i>Setodes leto</i>				1						1				1										1
	<i>Setodes libera</i>		1	1							2				p						1				1
	<i>Setodes likymnios</i>			2	1						3				p		84					1			85
	<i>Setodes lupercus</i>								1		1	3													3
	<i>Setodes mecurius</i>			1							1				1										1

Table 4.3 continued

Gen code	Species										Occurrence	January	February	March	April	May	June	July	August	September	October	November	December	(blank)	Abundance
		I	II	III	IV	V	VI	VII	(blank)																
	<i>Setodes medusa</i>			3					1	4				p									p	p	
	<i>Setodes mefitis</i>			3						3			8	1											9
	<i>Setodes megaira</i>		1	1						2					p	14									14
	<i>Setodes melanippos</i>			3						3	p		3	p											3
	<i>Setodes melpomene</i>				1					1			2												2
	<i>Setodes menestratos</i>		1	5						6			7			14	1								22
	<i>Setodes menetratos</i>			1						1			24												24
	<i>Setodes menoikeus</i>			4						4			5	1	126										132
	<i>Setodes mercurius</i>			3						3		1	5												6
	<i>Setodes metis</i>		1	8					2	11		3	1	103	2	23	2						p		134
	<i>Setodes minotauros</i>			1	1				1	3			1										1		2
	<i>Setodes neleus</i>			1	2					3			1	6											7
	<i>Setodes nemesis</i>		1							1			1												1
	<i>Setodes neptunus</i>				2					2				p											p
	<i>Setodes nereusos</i>			1						1			3												3
	<i>Setodes niobe</i>			3						3			2	1						1					4
	<i>Setodes nisos</i>			1						1			2												2
	<i>Setodes numa</i>		1	1	1					3	2				1										3
	<i>Setodes nyktimene</i>			1						1			1												1
	<i>Setodes oineus</i>			1						1			1												1
	<i>Setodes oinomaos</i>			1						1			1												1
	<i>Setodes okeanos</i>		1							1		1													1
	<i>Setodes okypete</i>				1					1			1								p				p
	<i>Setodes okyrrhe</i>				1				1	2					1								1		2
	<i>Setodes omphale</i>			1		2			1	4			3									4			7
	<i>Setodes opara</i>			1						1			1												1
	<i>Setodes opheltes</i>			1	2					3			5												5

Table 4.3 continued

Gen code	Species									Occurrence													Abundance		
		I	II	III	IV	V	VI	VII	(blank)		January	February	March	April	May	June	July	August	September	October	November	December		(blank)	
	<i>Setodes opora</i>				1					1			1												1
	<i>Setodes orcus</i>				4					4			2	1											4
	<i>Setodes orestes</i>			1						1														p	p
	<i>Setodes periklymenos</i>			1	2					3		3			28										31
	<i>Setodes sarapis</i>			6		1			1	8	22		11	5	1										39
	<i>Setodes tarpaka</i>																								
	<i>Setodes tcharurupa</i>			11	12					23		2	44	1	41	534	17	11	12	19	45				726
	<i>Setodes tejasvin</i>					1				1			1												1
	<i>Setodes thoneti</i>					1				2			18											p	18
	Total	4	12	100	255	7	51		14	443	105	216	324	1380	637	1431	253	105	81	286	163	68	2		5051
10	<i>Tagalopsyche brunnea</i>					2				2	1													1	2
	<i>Tagalopsyche orpheus</i>					1				1				1											1
	<i>Tagalopsyche osiris</i>			1	1					2				1											1
	Total			1	4					5	1			2										1	4
11	<i>Triaenodes dusra</i>					1			1	2															3
	<i>Triaenodes grifo</i>																								
	<i>Triaenodes iphis</i>																								
	<i>Triaenodes menestheus</i>					3				3				2			2								4
	<i>Triaenodes narkissos</i>					1				1				1											1
	<i>Triaenodes patroklos</i>			1						1		1													1
	<i>Triaenodes plectus</i>			5	3					8			9	2	1					1					13
	<i>Triaenodes pentheus</i>			1						1				1											1
	<i>Triaenodes qinglingensis</i>								1	1				1											1
	<i>Triaenodes themis</i>					4				4				10	7										17
	Total			7	12				2	21			10	20	8	2			1						41
12	<i>Trichosetodes anaksepuluh</i>			3						3			1		17	14									32
	<i>Trichosetodes anavadya</i>																								

Table 4.3 continued

Gen code	Species									Occurrence	January	February	March	April	May	June	July	August	September	October	November	December	(blank)	Abundance
		I	II	III	IV	V	VI	VII	(blank)															
	<i>Trichosetodes pales</i>			1	1				1	3	1												p	1
	<i>Trichosetodes palinurus</i>				1					1			115											115
	<i>Trichosetodes pallas</i>				1					1			1											1
	<i>Trichosetodes pandion</i>			1						1										1				1
	<i>Trichosetodes sisymphos</i>				4					4	8					7								15
	Total			5	7				1	13	8	1	1	116	17	21				1			p	165
13	<i>Triplectrides indica</i>				1					1													p	p
	Total				1					1													p	p
	Grand Total	10	58	241	868	25	206	1	65	1474	254	476	773	2385	1288	2040	691	425	330	693	350	185	44	9934

24 Family Sericostomatidae; 01 Genus *Gumaga*

Gen code	Species								Occurrence	January	February	March	April	May	June	July	August	September	October	November	December	Abundance	
		I	II	III	IV	V	VI	VII															
01	<i>Gumaga orientalis</i>		1						1			1											1
	Total		1						1			1											1
	Grand Total		1						1			1											1

25 Family Helicopsycheidae; 01 Genus *Helicopsyche*

Gen code	Species								Occurrence	January	February	March	April	May	June	July	August	September	October	November	December	(blank)	Abundance
		I	II	III	IV	V	VI	VII		(blank)													
01	<i>Helicopsyche admata</i>		1	1					2			1						1					2
	<i>Helicopsyche agenor</i>			1					1				p										p

Table 4.3 continued

Gen code	Species								Occurrence (blank)	Occurrence	January	February	March	April	May	June	July	August	September	October	November	December	Abundance	
		I	II	III	IV	V	VI	VII			January	February	March	April	May	June	July	August	September	October	November	December		
	<i>Helicopsyche anaksaku</i>				1				1				4										4	
	<i>Helicopsyche angusta</i>			1	1				3					1	1				1				3	
	<i>Helicopsyche ategenta</i>																							
	<i>Helicopsyche boniata</i>						13		2	15		22	15	1		1	1	1	1	1	1	1	43	
	<i>Helicopsyche lata</i>				4				4	1							1	1	2				5	
	<i>Helicopsyche minyas</i>				2				2												2		2	
	<i>Helicopsyche namtok</i>								1	1												1	1	
	<i>Helicopsyche nastia</i>																							
	<i>Helicopsyche rodschana</i>			4	1				5				1	4	2	1							8	
	<i>Helicopsyche siama</i>																							
Total			1	7	22				4	34	1		23	20	6	3	2	2	2	4	3	1	1	68
Grand Total			1	7	22				4	34	1		23	20	6	3	2	2	2	4	3	1	1	68

26 Family Odontoceridae; 01 Genus *Inthanopsyche*, 02 Genus *Lannapsyche*, 03 Genus *Marilia*, 04 Genus *Phraeopsyche*, and 05 Genus *Psilotreta*

Gen code	Species								Occurrence (blank)	Occurrence	January	February	March	April	May	June	July	August	September	October	November	December	Abundance
		I	II	III	IV	V	VI	VII			January	February	March	April	May	June	July	August	September	October	November	December	
01	<i>Inthanopsyche angkangensis</i>		1	1					2		p	4											4
	<i>Inthanopsyche trimeresuri</i>		2	9					11		3	18	15	5									41
Total			2	10	1				13		3	22	15	5									45
02	<i>Lannapsyche chantaramongkolae</i>		7	20	4			2	33	4	8	7	4	2	3	4	2	5	2	5			46
Total			7	20	4			2	33	4	8	7	4	2	3	4	2	5	2	5			46
03	<i>Marilia aerope</i>				19	4			23			18	16	16	99	6	2		1				158
	<i>Marilia mogtiana</i>			2	44	4			50		13	2	24	62	52	1	3	6	3	2			168

Table 4.3 continued

Gen code	Species								Occurrence (blank)	Occurrence												Abundance	
		I	II	III	IV	V	VI	VII		January	February	March	April	May	June	July	August	September	October	November	December		(blank)
	<i>Marilya sumatrana</i>		2	49	71		4	4	130	49	79	171	404	184	135	26	4	33	71	25	5		1186
Total			4	112	79		4	4	203	49	92	191	444	262	286	33	9	39	75	27	5		1512
04	<i>Phraepsyche danaos</i>				6				6			5	1					5	3	2			16
Total					6				6			5	1					5	3	2			16
05	<i>Psilotreta abudeb</i>		3						3					1	1	1							3
	<i>Psilotreta aello</i>				1			1	2			1											1
	<i>Psilotreta assur</i>			1				1	1			p											p
	<i>Psilotreta baureo</i>	1	5	12	1			2	21	2	2	4	1	18		3	1	5	4	2			42
	<i>Psilotreta illuan</i>		1						1							2							2
	<i>Psilotreta quin</i>		1	7					8		15	7	13										35
	<i>Psilotreta watananikorni</i>			1					1	p													p
Total		1	10	21	2			3	37	p	2	17	12	15	19	1	5	1	5	4	2		83
Grand Total		3	31	154	91		4	9	292	53	105	242	476	284	308	38	16	50	85	38	7		1702

27 Family Calamoceratidae; 01 Genus *Anisocentropus*, 02 Genus *Ganonema*, and 03 Genus *Georgium*

Gen code	Specific name								Occurrence (blank)	Occurrence												Abundance	
		I	II	III	IV	V	VI	VII		January	February	March	April	May	June	July	August	September	October	November	December		(blank)
01	<i>Anisocentropus bacchus</i>		2	1					3					4									4
	<i>Anisocentropus brevipennis</i>		9	21				3	33	10	3	20	21	7	6	6	1	6	3	3	p		86
	<i>Anisocentropus diana</i>		2	2	2				6		1	1	2			p	1		1				6
	<i>Anisocentropus erichthonios</i>			3	2				5	1			8										9
	<i>Anisocentropus janus</i>	8	73	8				1	90	8	5	8	66	55	49	26	25	11	12	6	3		274
	<i>Anisocentropus magnus</i>		1	1					2			3		1									4
	<i>Anisocentropus minutus</i>			1					1				1										1

Table 4.3 continued

Gen code	Specific name								Occurrence	January	February	March	April	May	June	July	August	September	October	November	December	(blank)	Abundance	
		I	II	III	IV	V	VI	VII		(blank)														
	<i>Anisocentropus pan</i>		1	28	11				2	42	6	2	7	6	6	10		1	8	3	8	1		58
	<i>Anisocentropus pandora</i>	1	3							4			2					1		2			5	
	<i>Anisocentropus salsus</i>		2	1						3				p						4			4	
Total		1	18	119	45				6	189	25	11	39	110	69	65	26	32	22	21	24	7	p	451
02	<i>Ganonema delios</i>			2						2			1											1
	<i>Ganonema dracula</i>		2							2			4	16										20
	<i>Ganonema extensum</i>		11	39	3				1	54	1	6	6	17	17	11	9	6	6	13	5			97
	<i>Ganonema fuscipenne</i>			14	42				3	59	5	3	10	18	3	17	5	6	8	10	6	7	p	98
Total			13	55	45				4	117	6	9	21	51	20	28	14	12	14	23	11	7	p	216
03	<i>Georgium kandaules</i>												p											p
Total													p											p
Grand Total		1	31	174	90				10	306	31	20	60	161	89	93	40	44	36	44	35	14	p	667

28 Family Molannidae; 01 Genus *Molannodes*, and 02 Genus *Molanna*

Gen code	Species								Occurrence	January	February	March	April	May	June	July	August	September	October	November	December	Abundance	
		I	II	III	IV	V	VI	VII		(blank)													
01	<i>Molannodes alticola</i>	1							1						1								1
	<i>Molannodes hydron</i>			3					3				1						1				2
	<i>Molannodes lirr</i>			46					46	10	16	16	4	10	33	3	2	8	8	5	11		126
	<i>Molannodes magdiel</i>				1				1											1			1
	<i>Molannodes nimrod</i>	1							1				1										1
Total		2		49	1				52	10	16	16	6	10	34	3	2	8	9	6	11		131
02	<i>Molanna oglamar</i>		7	7					14	1		2	2	2	3	1	2	3	8	1			23
Total			7	7					14	1		2	2	2	3	1	2	3	8	1			23
Grand Total		2	7	56	1				66	11	16	18	6	12	34	6	3	10	12	14	12		154

4.2 Trichoptera in Doi Suthep-Pui and Doi Inthanon NPs

4.2.1 Physico-chemical parameters

During November 2009 – November 2010, adult trichoptera and physico-chemical parameters of sampling sites in Doi Suthep-Pui and Doi Inthanon NPs were sampled monthly. They were located at different elevation from 461 – 2,074 m asl (figure 4.5). Habitat quality assessment of sampling sites in Doi Suthep-Pui NP showed good conditions in Pu Ping, Pa Lad and Montarn lower, while Montarn upper and Pa Ngerb showed excellent condition. All sampling sites in Doi Inthanon NP showed excellent conditions (figure 4.6).

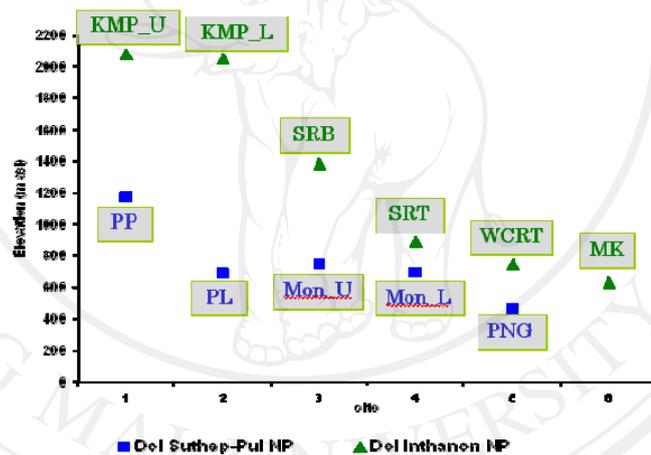


Figure 4.5 Elevation of sampling sites in Doi Suthep-Pui and Doi Inthanon NPs.

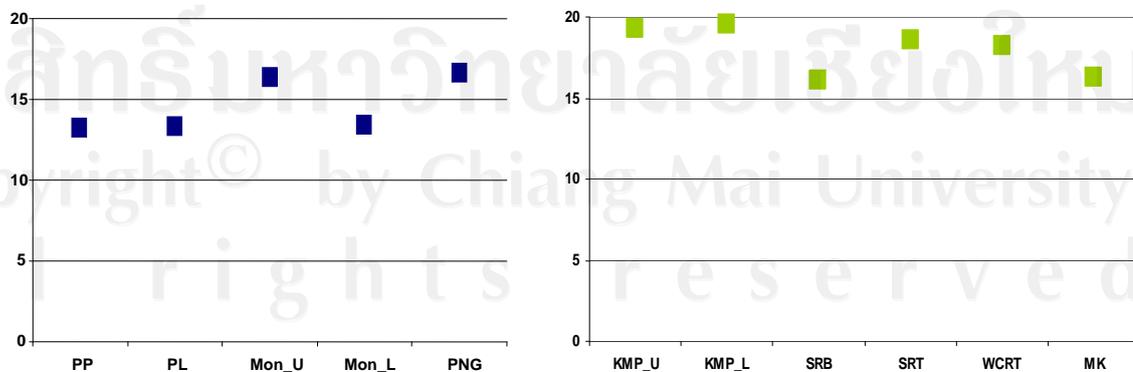


Figure 4.6 Habitat assessment score of sampling sites in Doi Suthep-Pui and Doi Inthanon NPs during November 2009 - November 2010.

Table 4.4 Average and standard deviation of physico-chemical parameters of sampling sites in Doi Suthep-Pui NP during November 2009 - November 2010.

Physico-chemical parameters	Pu Ping water supply (PP)	Pa Lad (PL)	Montatarn upper (Mon_upper)	Montatarn lower (Mon_lower)	Pa Ngerb (PNG)
Discharge (m ³ /s)	0.0548±0.0850	0.0756±0.1217	0.1572±0.2371	0.1768±0.2162	0.2316±0.2859
Air temperature (°C)	22.63±2.20 ^a	25.08±3.25 ^{ab}	24.38±2.66 ^{ab}	24.25±2.45 ^{ab}	26.21±4.27 ^b
Water temperature	20.46±1.72 ^a	22.83±2.64 ^b	21.92±2.31 ^{ab}	22.07±2.40 ^{ab}	22.75±3.22 ^b
pH	6.12±0.42 ^a	6.61±0.55 ^b	6.20±0.45 ^a	6.32±0.30 ^{ab}	6.07±0.30 ^a
TDS (mg/l)	18.78±2.38 ^a	81.38±40.33 ^b	15.41±3.56 ^a	14.73±3.04 ^a	17.30±5.04 ^a
Conductivity (us/cm)	35.48±4.49 ^a	152.82±75.07 ^b	29.32±6.63 ^a	28.02±5.85 ^a	32.73±9.74 ^a
DO (mg/l)	7.81±0.58	7.53±0.76	7.73±0.75	7.89±0.92	7.28±0.81
BOD (mg/l)	1.15±0.76	1.90±1.37	1.63±1.75	1.56±1.58	0.93±0.56
Ammonia (mg/l)	0.29±0.67	0.17±0.13	0.21±0.14	0.18±0.10	0.22±0.16
Nitrate (mg/l)	1.15±0.24 ^a	1.75±0.63 ^b	1.14±0.17 ^a	1.11±0.11 ^a	1.12±0.45 ^a
Ortho-Phosphate (mg/l)	0.29±0.29	0.43±0.18	0.27±0.14	0.24±0.17	0.33±0.27
Turbidity (FTU)	8.58±5.28	10.08±7.70	13.17±6.85	13.33±5.03	15.25±11.53

Note one way ANOVA at 0.05 of significant

Table 4.5 Average and standard deviation of physico-chemical parameters of sampling sites in Doi Inthanon NP during November 2009 - November 2010.

Physico-chemical parameters	Kaew Mae Pan upper (KMP upper)	Kaew Mae Pan lower (KMP lower)	Siribhum (SRB)	Siritarn (SRT)	Wachiratarn (WCRT)	Mae Klang SobAb (MK)
Discharge (m ³ /s)	0.1945±0.2908 ^a	0.3822±0.4890 ^a	0.5538±0.6651 ^a	4.9020±4.8520 ^b	5.1087±7.3971 ^b	3.9125±5.0534 ^{ab}
Air temperature (°C)	17.36±1.86 ^a	16.55±2.11 ^a	20.36±2.24 ^b	23.91±2.58 ^c	24.41±2.55 ^c	27.91±2.40 ^d
Water temperature	13.27±2.24 ^a	13.91±1.80 ^a	17.14±3.17 ^b	21.45±3.21 ^c	21.85±2.71 ^c	23.23±3.02 ^c
pH	4.80±0.76 ^a	4.86±0.57 ^a	6.23±0.43 ^b	6.74±0.41 ^c	6.75±0.43 ^c	6.55±0.45 ^{bc}
TDS (mg/l)	2.88±1.83 ^a	4.17±3.46 ^a	18.76±12.61 ^b	31.90±15.18 ^c	31.50±14.73 ^c	27.69±8.91 ^{bc}
Conductivity (us/cm)	5.31±3.50 ^a	7.86±6.53 ^a	28.57±15.87 ^b	52.12±20.51 ^c	51.22±18.53 ^c	52.42±16.54 ^c
DO (mg/l)	8.09±0.72	7.92±0.77	8.02±0.69	8.32±0.70	8.15±0.68	7.79±0.94
BOD (mg/l)	1.36±1.39	1.60±1.60	1.44±1.54	1.72±1.34	1.58±1.60	1.68±1.92
Ammonia (mg/l)	0.18±0.12	0.14±0.12	0.14±0.11	0.17±0.11	0.17±0.11	0.41±0.75
Nitrate (mg/l)	1.19±0.15 ^{ab}	1.15±0.19 ^{ab}	1.04±0.18 ^a	1.20±0.14 ^b	1.28±0.17 ^b	1.19±0.18 ^{ab}
Ortho-Phosphate (mg/l)	0.10±0.07 ^{ab}	0.09±0.06 ^a	0.16±0.12 ^{abc}	0.19±0.10 ^{bc}	0.17±0.11 ^{abc}	0.20±0.13 ^c
Turbidity (FTU)	4.91±1.45 ^a	5.27±1.19 ^a	6.73±2.57 ^a	14.27±11.26 ^b	14.5±4.52 ^b	17.36±5.26 ^b

Note one way ANOVA at 0.05 of significant

According to average air and water temperatures, three groups of sampling sites in Doi Suthep-Pui NP showed statistical significance (table 4.4) for instance 1. Pu Ping water supply, 2. Pa Lad and Montatarn upper and lower, and 3. Pa Ngerb. Similarly, sampling sites in Doi Inthanon NP showed three groups for instance 1. Kaew Mae Pan upper and lower, 2. Siribhum, and 3. Siritarn, Wachiratarn and Mae Klang Sob Ab (table 4.5).

Discharge of sampling sites in Doi Inthanon NP was higher than in Doi Suthep-Pui. However, all sampling sites showed the same trend which was low in March - July, rose up during August - November, and then decreased again in December - February (figure 4.7).

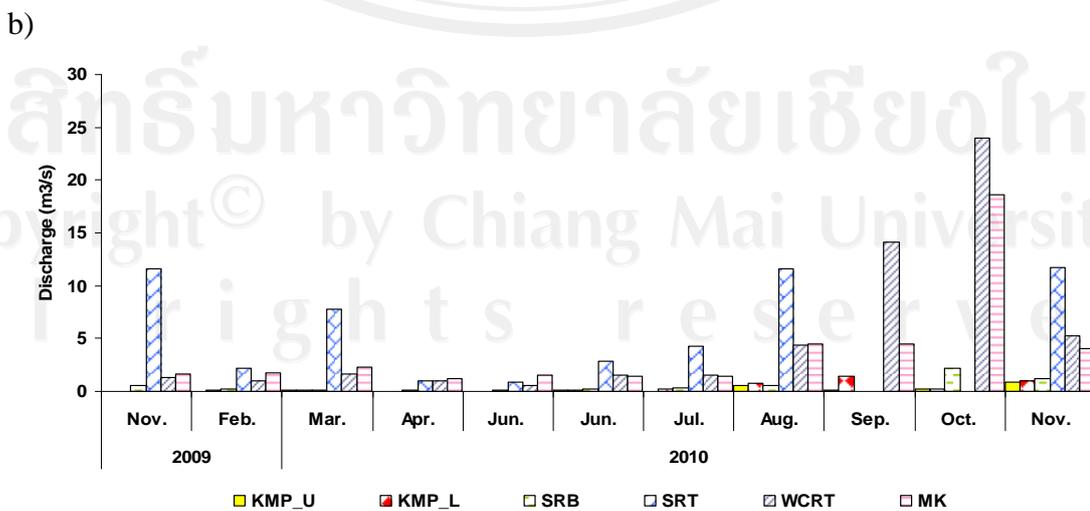
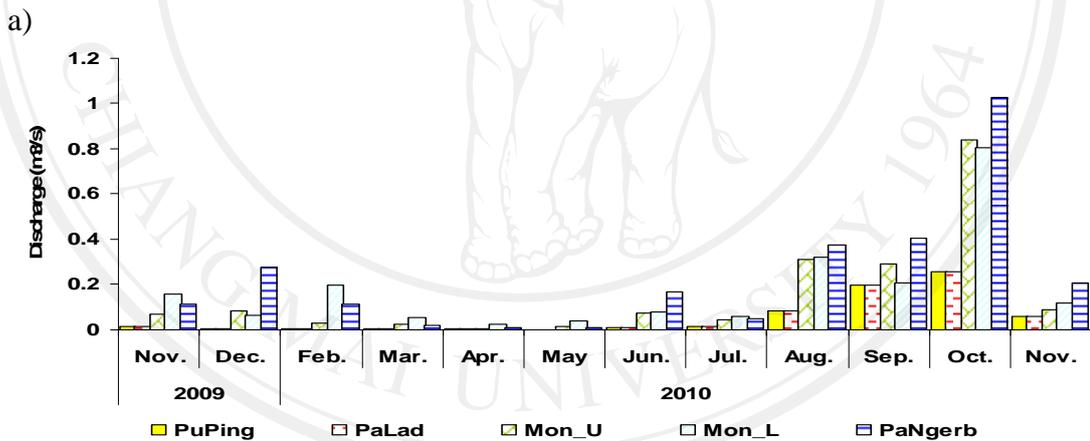
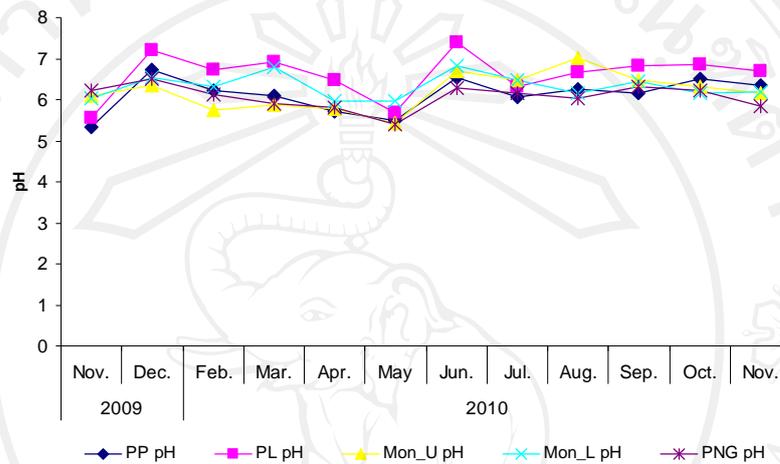


Figure 4.7 Monthly calculated discharge (m^3/s) of a) sampling sites in Doi Suthep-Pui NP and b) in Doi Inthanon NP during November 2009 - November 2010.

In all sampling sites pH was mildly acid (figure 4.8), excepted Kaew Mae Pan upper and lower showed strong acidity.

a)



b)

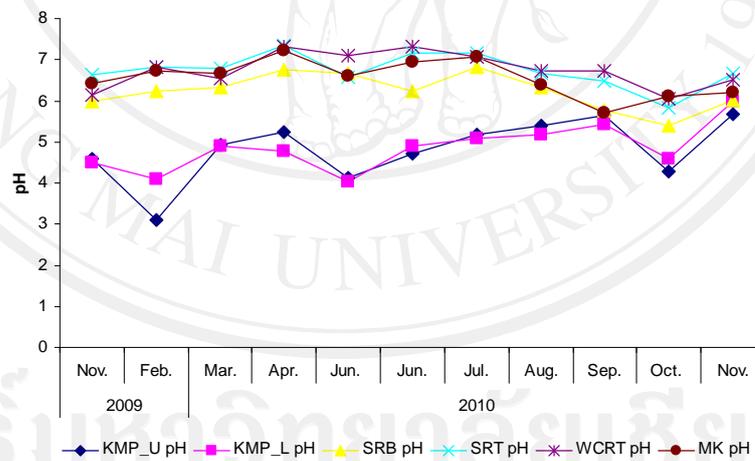


Figure 4.8 Monthly pH of a) sampling sites in Doi Suthep-Pui NP and b) sampling sites in Doi Inthanon NP during November 2009 - November 2010.

Total dissolved solid (TDS) and conductivity were significantly different in two group in Doi Suthep-Pui NP i.e. 1. Pu Ping water supply, Montatarn upper and lower and Pa Ngerb and 2. Pa Lad. In Doi Inthanon sampling sites were separated into

three groups i.e. 1. Kaew Mae Pan upper and lower, 2. Siribhum, and 3. Sirtarn Wachiratarn and Mae Klang Sob Ab (figure 4.9).

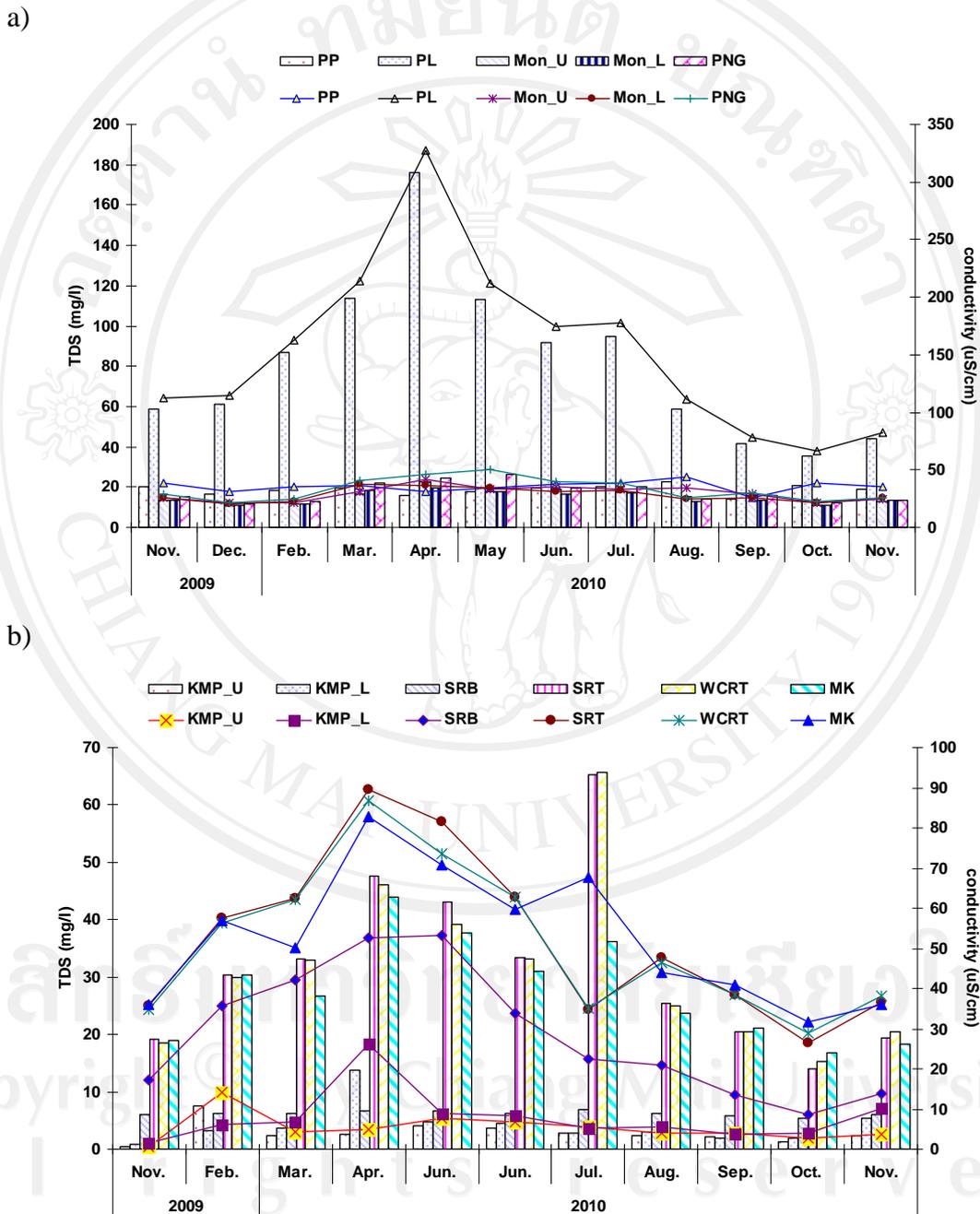


Figure 4.9 Monthly total dissolved solid (TDS :mg/l - bar graph) and conductivity (µS/cm - line graph) of a) sampling sites in Doi Suthep-Pui NP and b) in Doi Inthanon NP during November 2009 - November 2010.

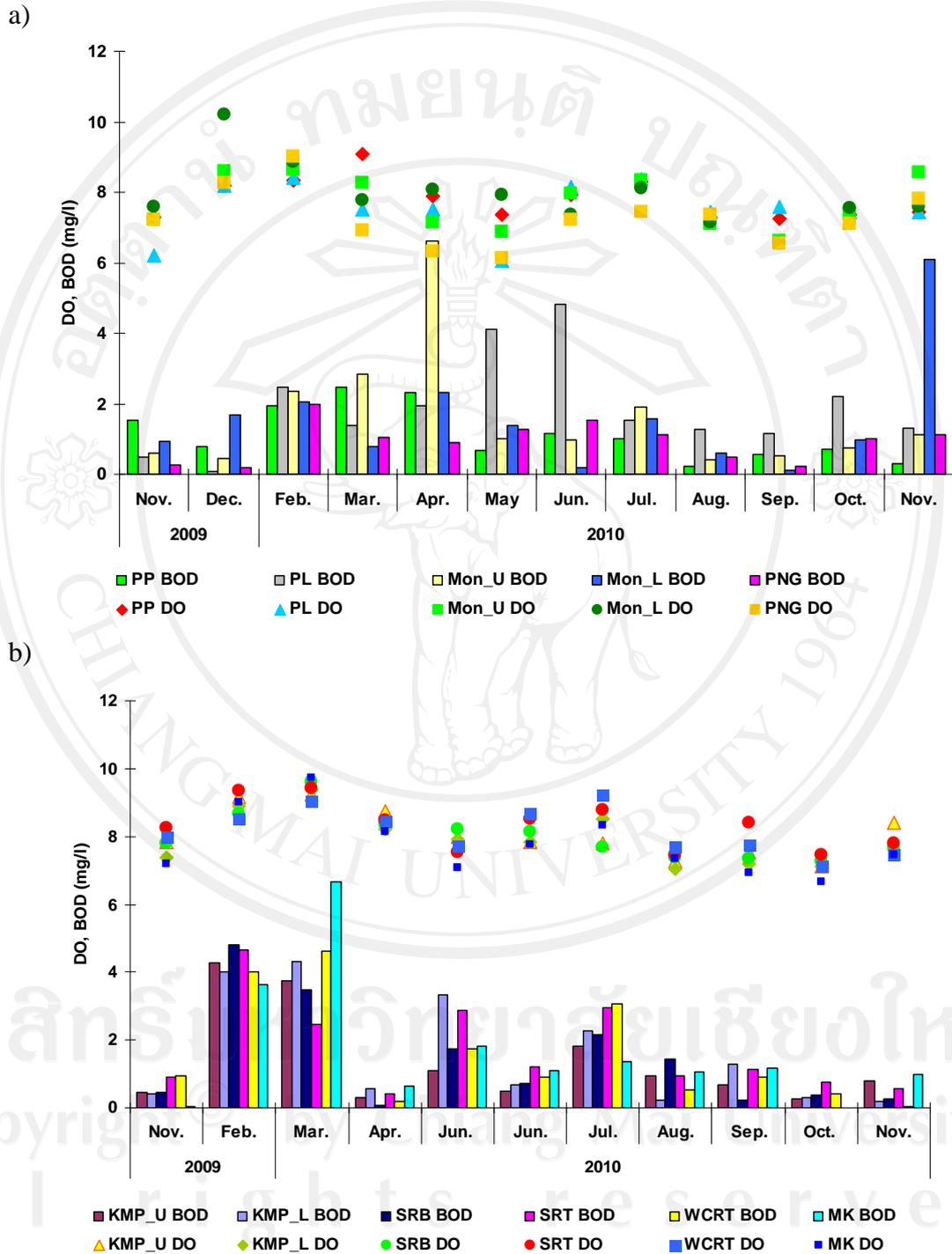


Figure 4.10 Monthly dissolved oxygen (DO: mg/l - dotted graph) and biochemical oxygen demand (BOD: mg/l - bar graph) of a) sampling sites in Doi Suthep-Pui NP and b) sampling sites in Doi Inthanon NP during November 2009 - November 2010.

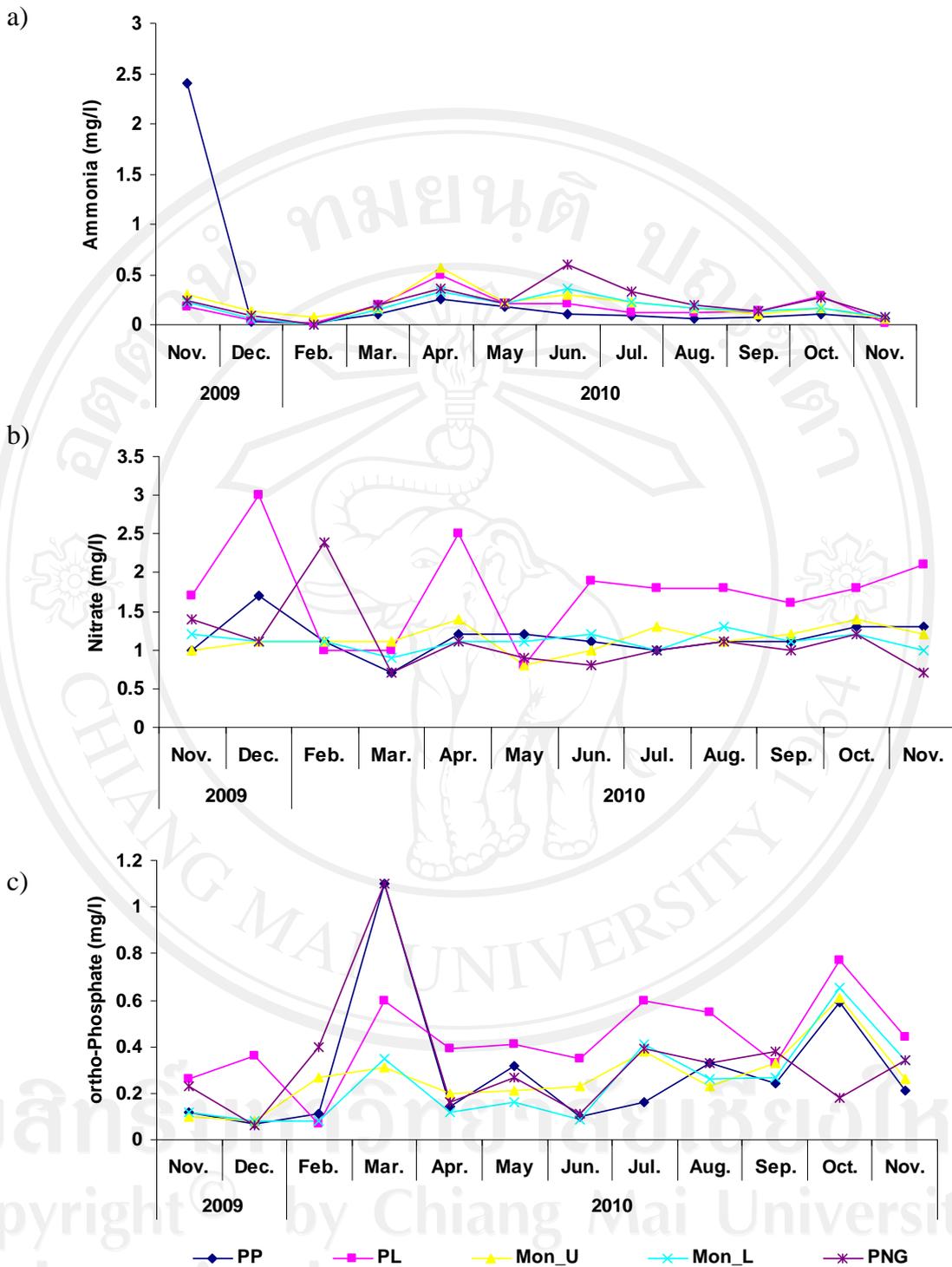


Figure 4.11 Monthly nutrients (mg/l) of sampling sites in Doi Suthep-Pui NP during November 2009 - November 2010 a) ammonia nitrogen, b) nitrate nitrogen and c) ortho-phosphate.

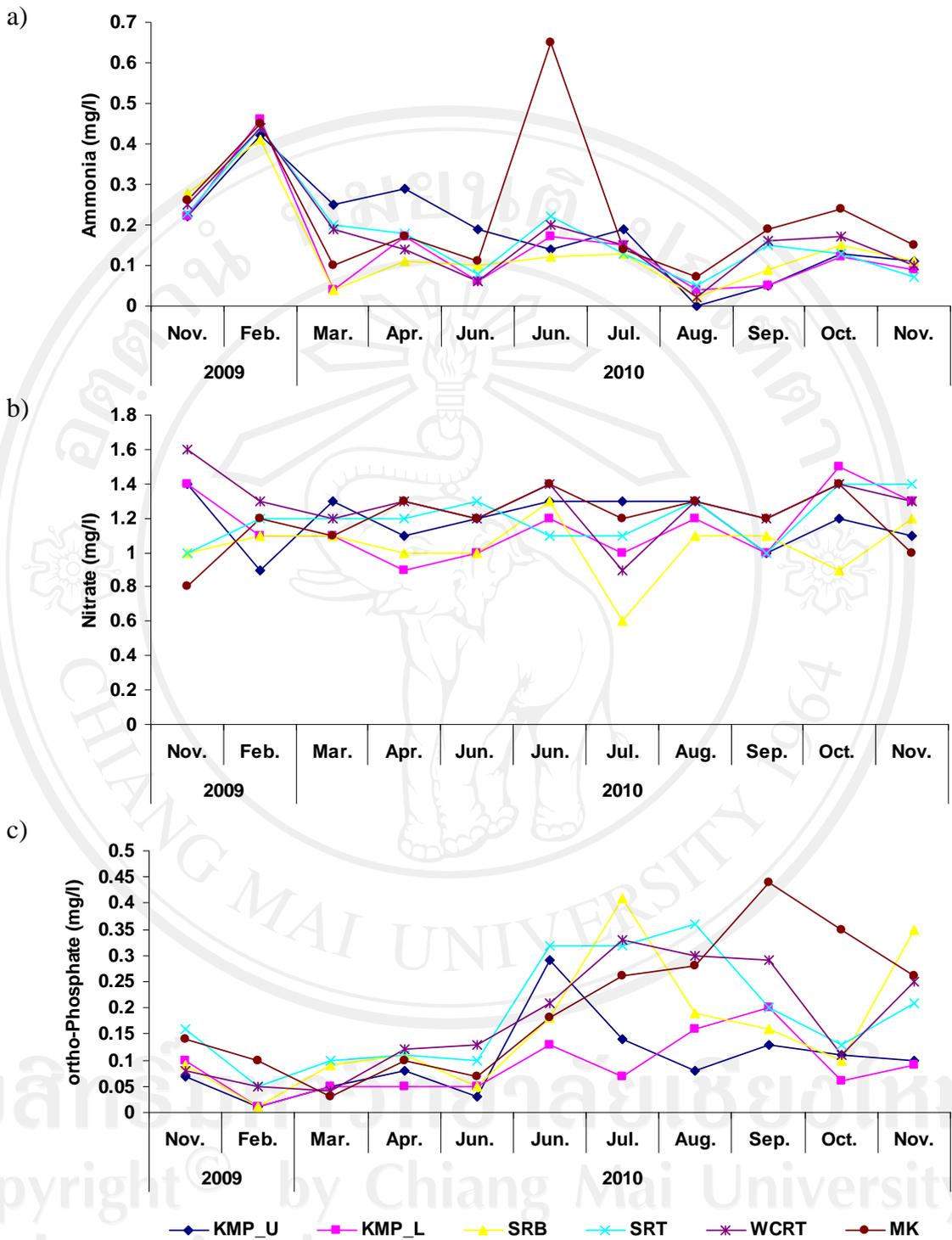


Figure 4.12 Monthly nutrients (mg/l) of sampling sites in Doi Inthanon NP during November 2009 - November 2010a) ammonia nitrogen, b) nitrate nitrogen and c) ortho-phosphate.

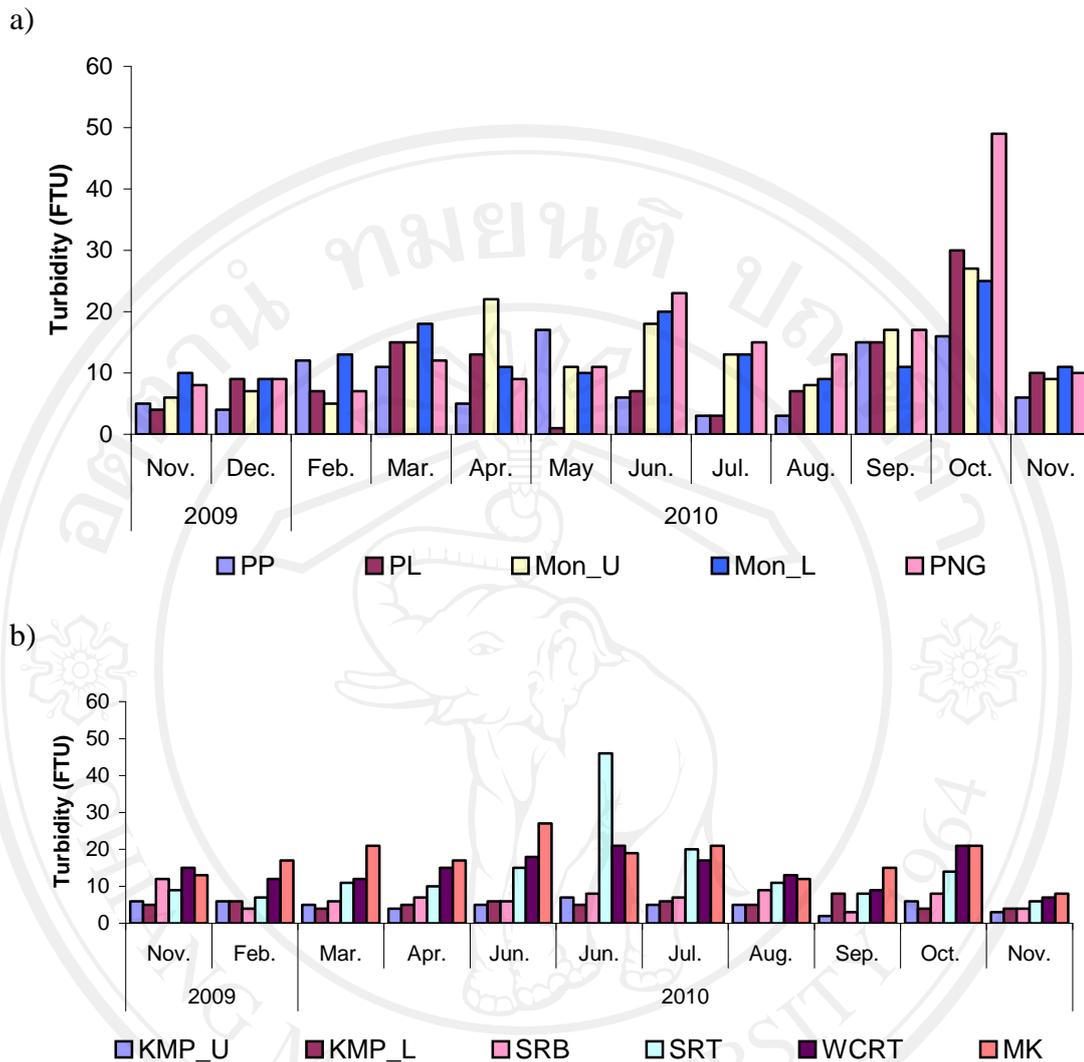


Figure 4.13 Monthly turbidity (mg/l) of sampling sites in a) Doi Suthep-Pui and b) Doi Inthanon NPs during November 2009 - November 2010.

In Doi Suthep-Pui NP, dissolved oxygen (DO), biochemical oxygen demand (BOD), ammonia nitrogen, ortho-phosphate and turbidity in all sampling sites did not show different significantly (figure 4.10, 4.11, and 4.13). Nitrate nitrogen level in Pa Lad was higher than other sampling sites in Doi Suthep-Pui significantly (figure 4.11b). In Doi Inthanon NP, sampling sites were grouped according to nitrate nitrogen

level i.e. 1. Kaew Mae Pan upper and lower and Mae Klang Sob Ab, 2. Siribhum, and 3. Siritarn and Wachiratarn (figure 4.12b). Ortho-phosphate level in Doi Inthanon sampling sites showed a rising trend coincident with high rainfall. (4.12c).

Turbidity level in Doi Suthep-Pui NP sampling sites did not show differences, whereas sampling sites in Doi Inthanon NP were grouped into two group for instance 1. Kaew Mae Pan upper and lower and Siribhum and 2. Siritarn, Wachiratarn and Mae Klang Sob Ab (4.13b).

4.2.2 Trichoptera assemblages

Adult trichoptera were collected by using light trap during November 2009 - 2010 at 5 sampling sites at Doi Suthep-Pui NP and 6 sampling sites at Doi Inthanon NP at different altitudes (table 4.6). A total of 126 light traps were set in the present study which caught 22,818 adult male trichoptera (2,083 and 20,735 adult male from Doi Suthep-Pui and Doi Inthanon NPs, respectively). This represented 256 species with 137 species found from sampling sites in Doi Suthep-Pui NP and 187 species found in Doi Inthanon NP.

The number of species and individuals did not differ between months in Doi Suthep-Pui NP (figure 4.14a), while in Doi Inthanon NP the number of individuals peaked in April-June, especially in the June sampling, when the number of species and individuals was highest (4.14b).

Pattern of monthly species and individual number in each sampling sites are showed in Doi Suthep-Pui (figure 4.15) and Doi Inthanon (figure 4.16) NPs.

Table 4.6 Elevation, habitat type, number of light trap collection, number of species found and number of individuals found in sampling sites from Doi Suthep-Pui and Doi Inthanon NPs during November 2009 - November 2010.

Study Sites	Elevation (m asl)	Habitat Type	# Light Trap		#Individuals (males)
			Collecting	#Species	
Doi Suthep - Pui NP					
Pa Ngerb	461	stream	12	66	644
Montatarn_lower	693	waterfall+stream	12	62	330
Montatarn_upper	746	waterfall+stream	12	57	291
Pa Lad	686	waterfall+stream	12	52	581
Pu Ping water supply	1,171	waterfall+stream	12	48	237
<u>Total</u>			60		2,083
		<u>Total species found</u>		(137)	
Doi Inthanon NP					
Mae Klang	630	stream	11	88	14,720
Wachiratarn	750	waterfall+stream	11	49	4,100
Siritarn	890	waterfall+stream	11	40	773
Siribhum	1,380	waterfall+stream	11	60	615
Kaew Mae Pan_lower	2,051	stream	11	36	295
Kaew Mae Pan_upper	2,070	stream	11	37	232
<u>Total</u>			66		20,735
		<u>Total species found</u>		(187)	
<u>Grand Total</u>			126		22,818
		<u>Grand total species found</u>		(256)	

Note: missing data on December 2009 in Doi Inthanon NP sampling sites.

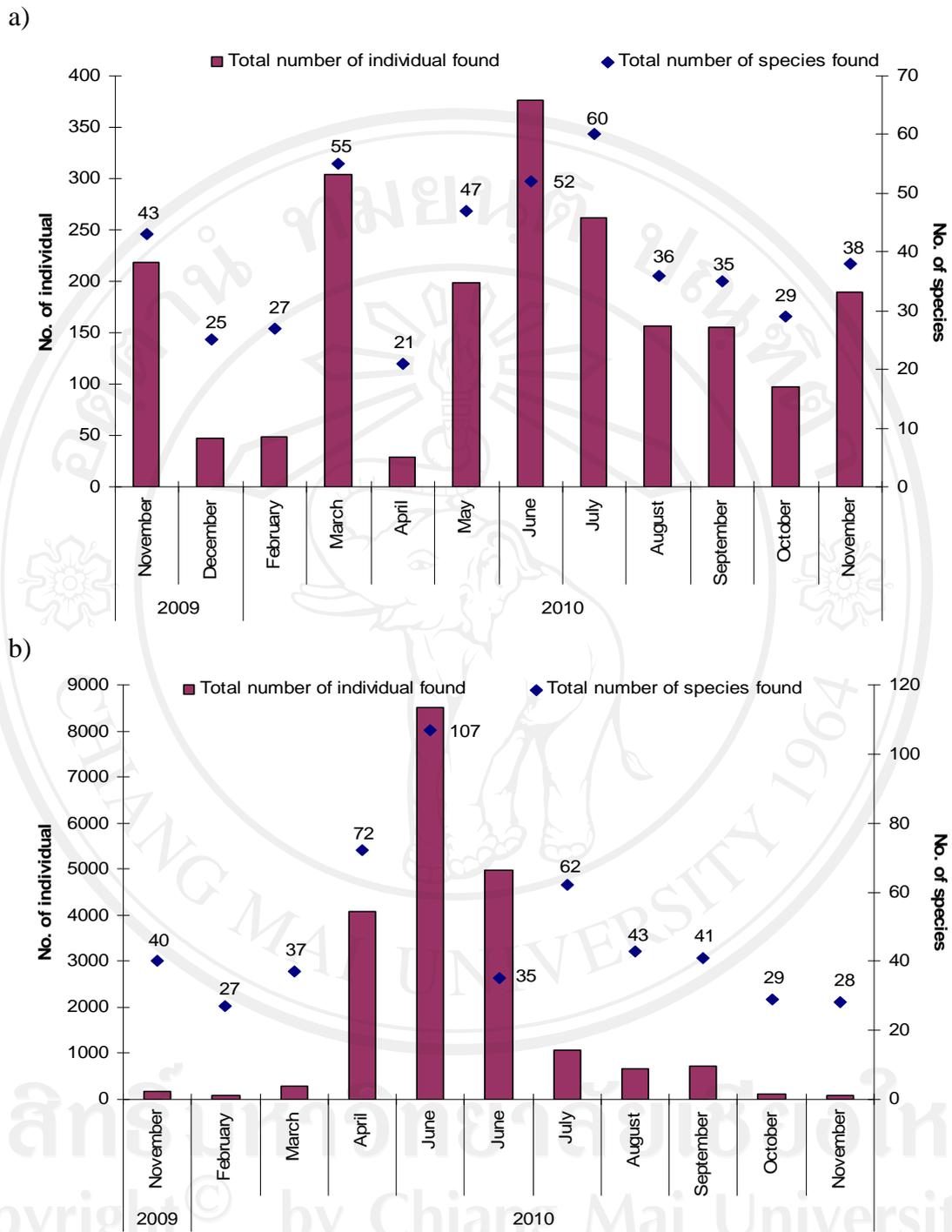


Figure 4.14 Number of species and individuals of male trichoptera caught via light trap during November 2009 - November 2010 from sampling sites in a) Doi Suthep-Pui and b) Doi Inthanon NPs.

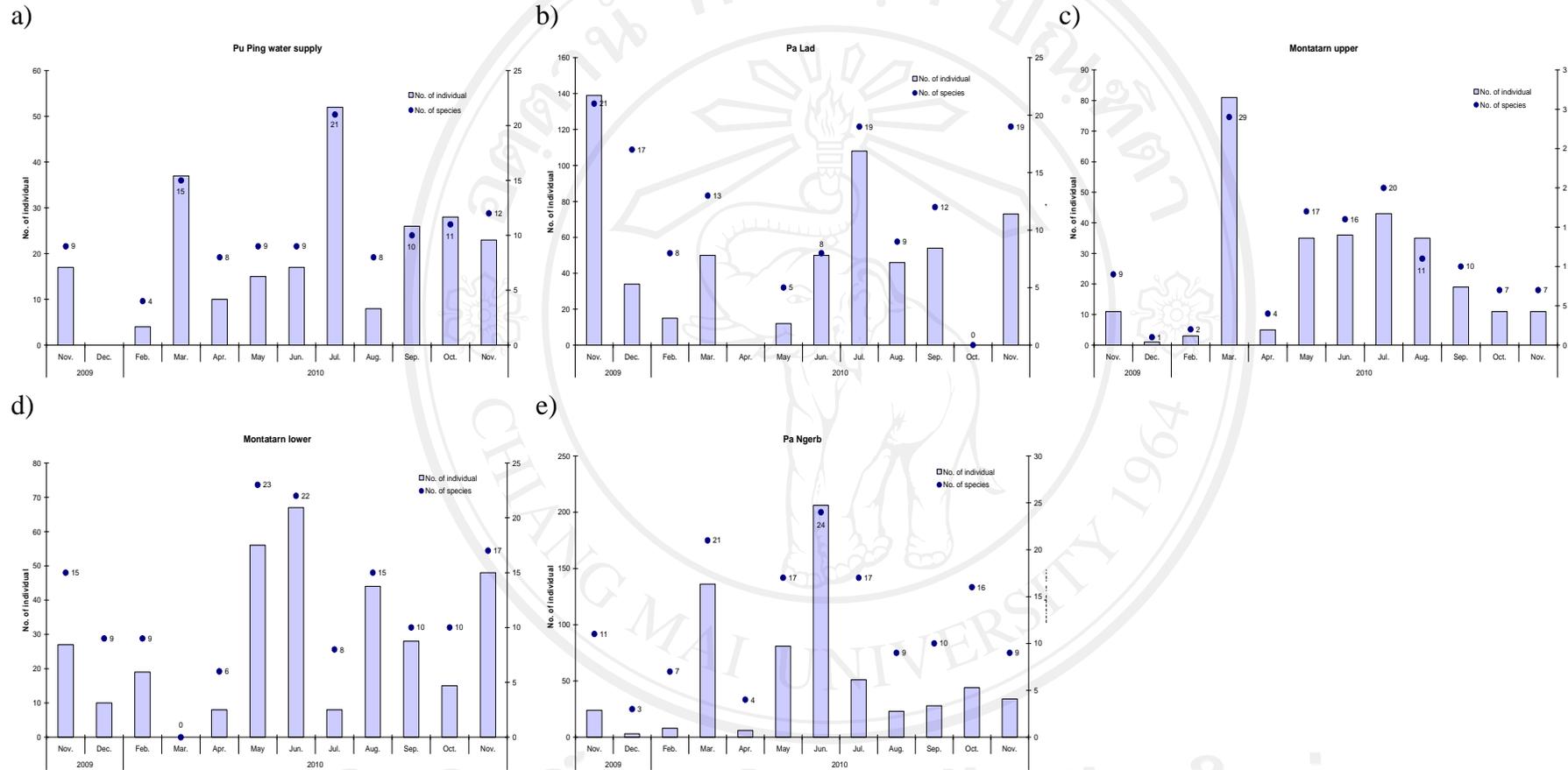


Figure 4.15 Number of individuals (bar graph) and species (dotted graph) monthly found during November 2009 - November 2010 in

Doi Suthep-Pui NP; a) Pu Ping water supply, b) Pa Lad, c) Montatarn upper, d) Montatarn lower, and e) Pa Ngerb

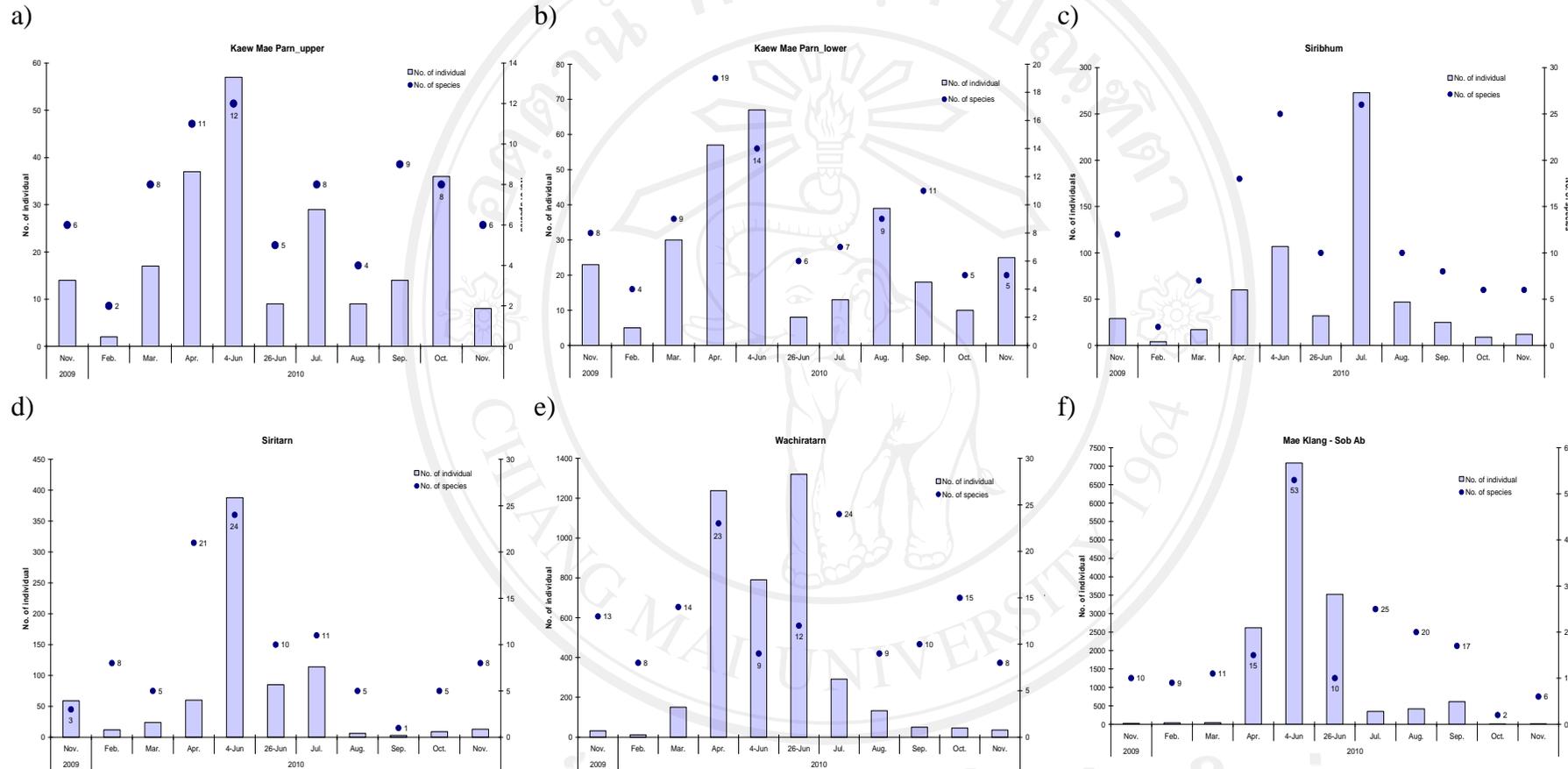


Figure 4.16 Number of individuals (bar graph) and species (dotted graph) monthly found during November 2009 - November 2010 in

Inthanon NP; a) Kaew Mae Pan upper, b) Kaew Mae Pan lower, c) Siribhum, d) Siritarn, e) Wachiratarn, and Mae Klang Sob Ab

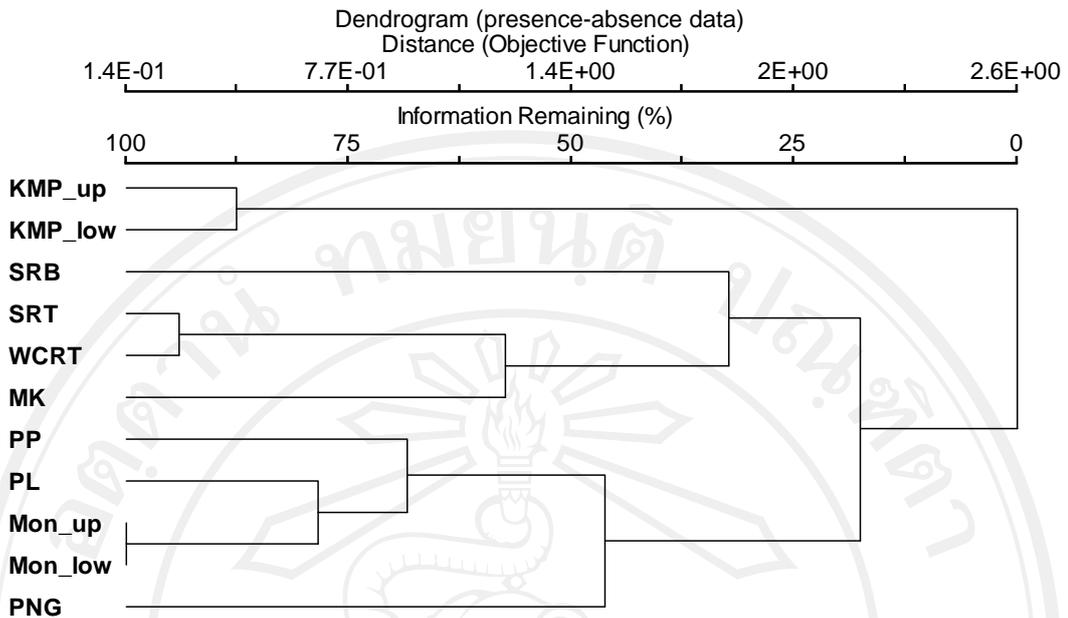


Figure 4.17 Dendrogram based on binary data using PCORD (Jaccard distance measure)

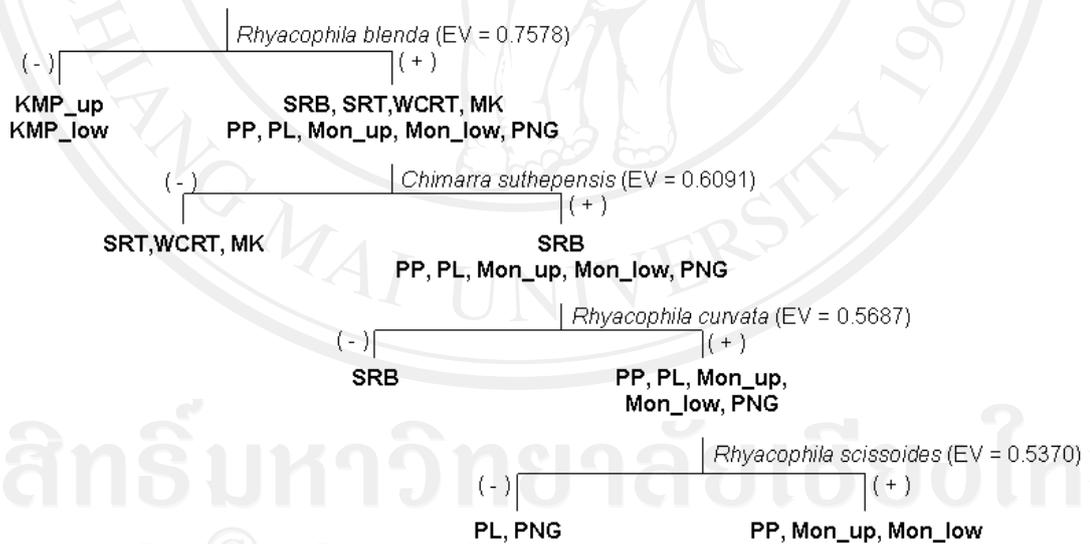


Figure 4.18 Two-Way Indicator Species (TWINSpan) Analysis using PCORD statistic program.

According of binary data dendrogram, sampling sites were clustered into 4 groups (figure 4.17) i.e. 1. Kaew Mae Pan upper and lower (> 2,000 m asl), 2. Siribhum, Siritarn and Wachiratarn (630 - 1,380 m asl), 3. Pu Ping water supply, Pa Lad, Montatarn upper and Montatarn lower (686 - 1,171 m asl), and 4. Pa Ngerb (461 m asl). Moreover, TWINSpan (Two-Way Indicator Species Analysis) diagram was showed (figure 4.18).

Fourteen species were caught only from sampling sites higher than 2,000 m asl (the number in parentheses indicated number of male specimen caught in the present study) for instance

Family Rhyacophilidae

Rhyacophila bicolor doiangka Malicky 1999 (1)

Rhyacophila blenda Malicky&Chantaramongkol 1993 (5)

Rhyacophila falita Ross 1956 (5)

Rhyacophila murhu Malicky&Chantaramongkol 1989 (4)

Family Philopotamidae

Chimarra inthanonensis Chantaramongkol&Malicky 1989 (2)

Dolophilodes torrentis Kimmins 1955 (36)

Wormaldia serrata Kimmins 1955 (1)

Family Arctopsychoidea

Arctopsyche variabilis Schmid 1968 (4)

Family Limnephilidae

Nothopsyche muqua Malicky&Chantaramongkol 1989 (1)

Moropsyche gerolan Malicky&Chantaramongkol 1991 (2)

Family Lepidostomatidae

Lepidostoma inthanon Malicky&Chantaramongkol 1994 (52)

Lepidostoma varithi Malicky&Chantaramongkol 1994 (1)

Paraphlegopteryx angkangensis Weaver 1999 (2)

Paraphlegopteryx malickyi Weaver 1999 (4)

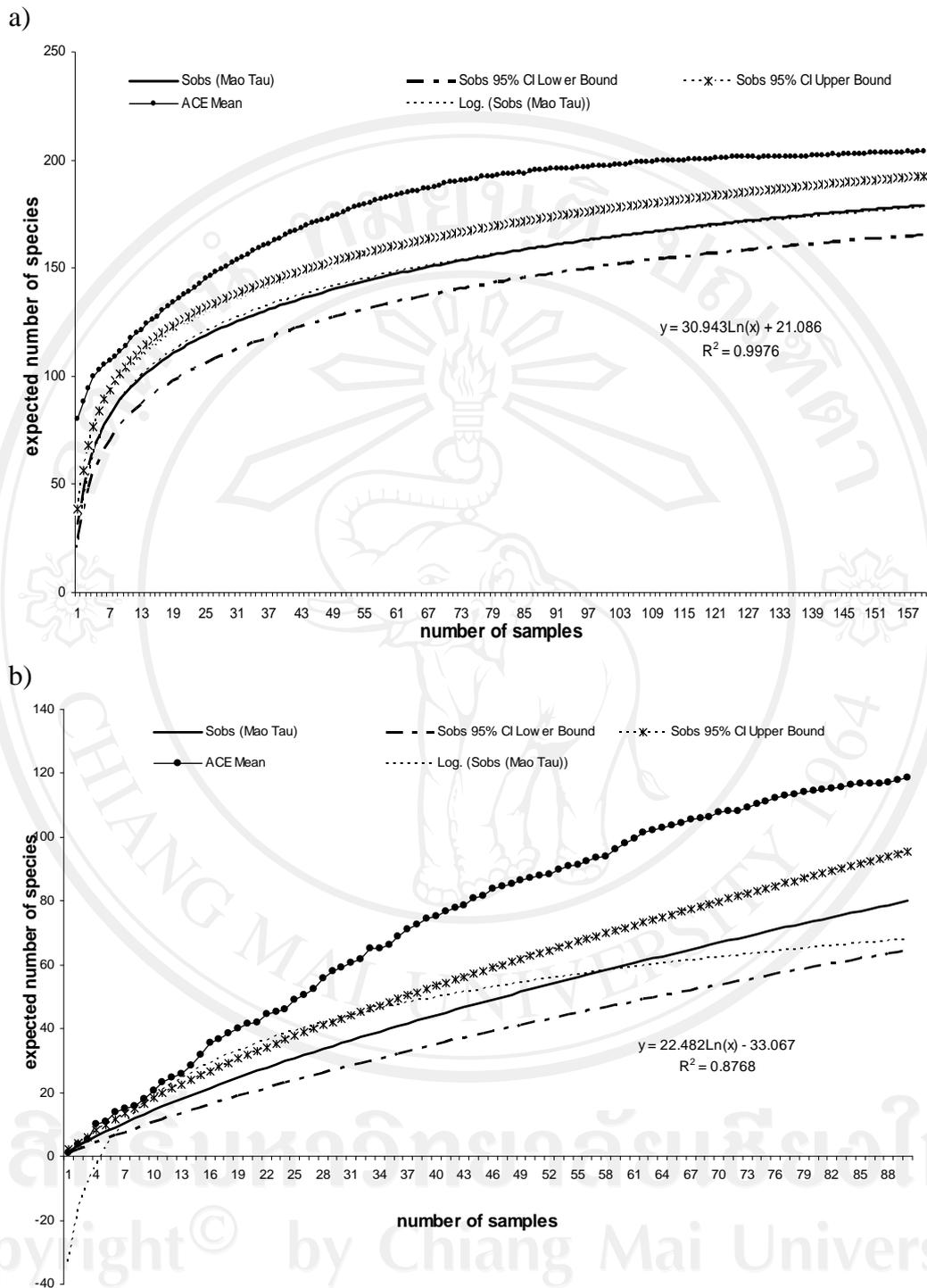


Figure 4.19 Species richness estimates using *EstimateS* in a)Doi Suthep-Pui and b)Doi Inthanon NPs (combined present sampling with Prommi, 1999 and Thamsenanupap, 2005)

According to the present study and prior studies (Prommi, 1999 and Thamsenanupap, 2005), species richness estimates showed that Doi Suthep-Pui had an asymptotic graph, whereas Doi Inthanon, the curve showed a rising trend (figure 4.19)

Each species present in Doi Suthep-Pui and Doi Inthanon NPs was categorized into three groups according to its abundance status for instance

1. rare (r) only 1-2 individuals found from all studies.
2. common (c) 3-100 individuals found from all studies
3. abundance (a) more than 100 individuals found from all studies

Moreover, comparison of occurrence and abundance of each species in the present study with prior studies were showed (table 4.7).

Table 4.7 Species occurrence and abundance of adult male trichoptera found in Doi Inthanon and Doi Suthep-Pui NPs compared to Prommi, 1999 and Thamsenanupap, 2005. Temporal distribution, abundance status and distributional specificity were determined based on all data. (Note: Abundance status was defined as rare (r): species for which only 1-2 specimens have been recorded; common (c): species for which 3-100 specimens have been recorded; and abundant (a): species for which >100 specimens have been recorded).

Family/Species	Doi Inthanon (DI)						Doi Suthep-Pui (DSP)					Abundance	Occurrence	DI	DSP		Temporal distribution	Abundance			National park specificity
	KMP upper	KMP lower	SRB	SRT	WCRT	MK	PP	PL	Mon upper	Mon lower	PNG			Thamsenanupap 2005	Thamsenanupap 2005	Prommi 1999		DI all	DSP all	Abundance status	
Rhyacophilidae																					
<i>Himalopsyche acharai</i>	✓	✓	✓	✓					✓	✓	✓	27	19	75(700, 1100)	111 (630-1380)	9 (650, 800)	non-seasonal	128	94	a	DI&DSP
<i>Rhyacophila bicolor doiangka</i>	✓											1	1				Nov	1		r	DI
<i>Rhyacophila blenda</i>	✓	✓										7	6				wet	7		c	DI
<i>Rhyacophila cornuta</i>														1(1380)			Jul	1		r	DI
<i>Rhyacophila curvata</i>				✓	✓		✓	✓	✓	✓	78	34	36 (700, 1100)	41 (1060-1380)	166(550-950)	non-seasonal	44	277	a	DI&DSP	
<i>Rhyacophila dorsampa</i>														1(1060)			Jun	1		r	DI
<i>Rhyacophila drokpa</i>														9 (750-1060)			non-seasonal	9		c	DI
<i>Rhyacophila falita</i>	✓	✓	✓									29	9				hot-dry, wet	29		c	DI
<i>Rhyacophila gyamo</i>														1(1100)			May		1	r	DSP
<i>Rhyacophila inaequalis</i>										✓		1	1	2(1100)	2(630,1380)		Mar,May, Aug, Feb	2	3	c	DI&DSP
<i>Rhyacophila malayana</i>	✓	✓	✓		✓		✓		✓		24	18	22 (700, 1100)	82 (1060-1380)	104(550, 950)	non-seasonal	101	131	a	DI&DSP	
<i>Rhyacophila manna</i>		✓					✓	✓			4	3	5 (700, 1100)		6 (700, 950)	hot-dry, wet	1	14	c	DI&DSP	
<i>Rhyacophila mayestril</i>		✓									1	1		2(1060)		Mar, Jun, Oct	3		c	DI	

Table 4.7continued

Family/Species	Doi Inthanon (DI)						Doi Suthep-Pui (DSP)					Abundance	Occurrence	DI			DSP			Temporal distribution	Abundance			National park specificity
	KMP upper	KMP lower	SRB	SRT	WCRT	MK	PP	PL	Mon upper	Mon lower	PNG			Thamsenanupap 2005	Thamsenanupap 2005	Prommi 1999	DI all	DSP all	Abundance status					
<i>Rhyacophila muktepa</i>													1(1060)		Jul	1		r	DI					
<i>Rhyacophila murhu</i>		✓													Feb, Mar	4		c	DI					
<i>Rhyacophila pemba</i>				✓											Jun	1		r	DI					
<i>Rhyacophila petersorum</i>		✓	✓	✓	✓	✓	✓	✓	✓	✓	91	42	76 (700, 1100)	64 (630-1380)	64 (550-950)	non-seasonal	99	196	a	DI&DSP				
<i>Rhyacophila scissa</i>		✓	✓					✓	✓	✓	34	20		2(1060)	56 (550-950)	non-seasonal	24	68	c	DI&DSP				
<i>Rhyacophila scissoides</i>						✓		✓	✓		6	4	62 (700, 1100)	82 (1060-1380)	5 (650-950)	non-seasonal	82	73	a	DI&DSP				
<i>Rhyacophila smithi</i>	✓										2	1			Apr	2		r	DI					
<i>Rhyacophila suthepensis</i>							✓				2	1			Sep		2	r	DSP					
<i>Rhyacophila uncata</i>	✓										1	1			Jun	1		r	DI					
<i>Rhyacophila verugia</i>	✓										2	2			Jun	2		r	DI					
<i>Rhyacophila voccia</i>													6 (1060-1380)		cold-dry	6		c	DI					
<i>Rhyacophila xayide</i>		✓									1	1	1(1060)		Jun, Feb	2		r	DI					
Hydrobiosidae																								
<i>Apsilochorema utchtchunam</i>													1(1060)		Nov	1		r	DI					
Glossosomatidae																								
<i>Agapetus atuus</i>					✓						98	1			Jun	98		c	DI					
<i>Agapetus cenomarus</i>					✓						14	1			Jun	14		c	DI					
<i>Agapetus dangorum</i>					✓						1	1		5 (550-700)	non-seasonal	1	5	c	DI&DSP					
<i>Agapetus halong</i>					✓		✓	✓	✓	✓	534	8	11 (630-750)	24 (550-800)	non-seasonal	529	40	a	DI&DSP					
<i>Agapetus lalus</i>													34 (550-650,800-950)	non-seasonal		34	c	DSP						

Table 4.7continued

Family/Species	Doi Inthanon (DI)						Doi Suthep-Pui (DSP)					Abundance	Occurrence	DI Thamsenanupap 2005	DSP		Temporal distribution	Abundance			National park specificity			
	KMP upper	KMP lower	SRB	SRT	WCRT	MK	PP	PL	Mon upper	Mon lower	PNG				Thamsenanupap 2005	Prommi 1999		DI all	DSP all	Abundance status				
<i>Agapetus viricatus</i>														1(1100)	1(1060)	1 (700)	wet	1	2	c	DI&DSP			
<i>Agapetus voccus</i>			✓	✓											1(750, 1060)	2 (650)	wet	4	2	c	DI&DSP			
<i>Glossosoma attito</i>															1(1060)		Apr	1		r	DI			
<i>Glossosoma elvisso</i>															7 (630- 1060)		non- seasonal	7		c	DI			
<i>Glossosoma jentumar</i>			✓												15 (750- 1380)		non- seasonal	16		c	DI			
<i>Glossosoma malayanum</i>			✓												17 (750- 1380)		non- seasonal	18		c	DI			
<i>Paduniella akkad</i>						✓									14		Jun	14		c	DI			
<i>Poeciloptila briatec</i>						✓									31		wet	31		c	DI			
Hydroptilidae																								
<i>Hydroptila keres</i>									✓	✓							Mar, Jul		2	r	DSP			
<i>Hydroptila psyche</i>					✓		✓	✓	✓	✓	✓				442	12	hot-dry, wet	420	22	a	DI&DSP			
<i>Hydroptila thuna</i>					✓				✓						9	2	hot-dry	8	1	c	DI&DSP			
<i>Hydroptila verticordia</i>					✓										4	1	Apr	4		c	DI			
<i>Microptila hintama</i>					✓					✓					2	2	Mar, Sep	1	1	r	DI&DSP			
<i>Orthotrichia maeandrica</i>					✓										4	1	Apr	4		c	DI			
<i>Ugandatrichia hairanga</i>																	May		1	r	DSP			
<i>Ugandatrichia hongia</i>										✓					403 (630- 750)		non- seasonal	403	2	a	DI&DSP			
<i>Ugandatrichia kerdmuang</i>																	Jun		1	r	DSP			
<i>Ugandatrichia maliwan</i>			✓							✓					1342(630 -1380)		non- seasonal	1343	1	a	DI&DSP			
Philopotamidae																								
<i>Chimarra akkaorum</i>						✓		✓	✓	✓					186	13		8 (630- 750)	50 (550- 700)	wet, cold- dry	79	165	a	DI&DSP

Table 4.7continued

Family/Species	Doi Inthanon (DI)					Doi Suthep-Pui (DSP)					Abundance	Occurrence	DI Thamsenanupap 2005	DSP		Temporal distribution	Abundance			National park specificity
	KMP upper	KMP lower	SRB	SRT	WCRT	MK	PP	PL	Mon upper	Mon lower				PNG	Thamsenanupap 2005		Prommi 1999	DI all	DSP all	
<i>Chimarra alleni</i>							✓					1	1			Jul		1	r	DSP
<i>Chimarra aneca</i>						✓						1	1	1(1060)		July,Dec	1	1	r	DI&DSP
<i>Chimarra atara</i>						✓						2	2	1 (700)	33 (650-950)	non-seasonal		36	c	DSP
<i>Chimarra atnia</i>							✓					2	1	3 (700)	67(550-800)	non-seasonal		72	c	DSP
<i>Chimarra chiangmaiensis</i>			✓		✓	✓	✓	✓	✓	✓		147	14	5 (700)	5 (630-750)	wet	66	93	a	DI&DSP
<i>Chimarra cina</i>						✓						1	1	2(1060)		Sep		1	r	DSP
<i>Chimarra cumata</i>																Jun	2		r	DI
<i>Chimarra devva</i>										✓		2	1	1 (700)	81 (550-950)	non-seasonal		84	c	DSP
<i>Chimarra htinorum</i>						✓	✓	✓	✓			73	19	342(700, 1100)	121(1060-1380)	non-seasonal	121	548	a	DI&DSP
<i>Chimarra inthanonensis</i>	✓	✓										4	3			Apr, Jun, Oct	4		c	DI
<i>Chimarra jabal</i>								✓				3	1			Jun		3	c	DSP
<i>Chimarra khamuorum</i>				✓		✓						5	2	205 (630-750)	34 (550-700)	wet	210	34	a	DI&DSP
<i>Chimarra lahuorum</i>	✓	✓	✓									6	3	2 (1100)	50 (1060-1380)	wet, cold-dry	56	2	c	DI&DSP
<i>Chimarra lannaensis</i>			✓			✓	✓	✓		✓		12	7	36 (700, 1100)	39(630, 1060-1380)	non-seasonal	40	81	a	DI&DSP
<i>Chimarra lavuaorum</i>															33 (650-950)	non-seasonal		33	c	DSP
<i>Chimarra matura</i>															190(550-950)	non-seasonal		190	a	DSP
<i>Chimarra meorum</i>														1 (700)	3 (550, 700)	Apr,May, Sep		4	c	DSP
<i>Chimarra momma</i>							✓					4	2	19 (700, 1100)	15 (1060-1380)	non-seasonal	15	35	c	DI&DSP

Table 4.7continued

Family/Species	Doi Inthanon (DI)					Doi Suthep-Pui (DSP)					Abundance	Occurrence	DI Thamsenanupap 2005	DSP		Temporal distribution	Abundance			National park specificity	
	KMP upper	KMP lower	SRB	SRT	WCRT	MK	PP	PL	Mon upper	Mon lower				PNG	Thamsenanupap 2005		Prommi 1999	DI all	DSP all		Abundance status
<i>Chimarra monorum</i>														4 (650-700)	Jun, Oct	154	4	a	DI&DSP		
<i>Chimarra nahesson</i>														4(1060)	Mar,May, Nov, Feb	4		c	DI		
<i>Chimarra okuihorum</i>				✓	✓	✓	✓	✓		✓					hot-dry, wet	56	6	c	DI&DSP		
<i>Chimarra pipake</i>														33 (550-700)	non- seasonal		34	c	DSP		
<i>Chimarra podarge</i>															Mar		1	r	DSP		
<i>Chimarra schwendingeri</i>						✓				✓				77 (650-950)	non- seasonal	1	82	c	DI&DSP		
<i>Chimarra scopulifera</i>			✓					✓							Jun,Dec	2	2	r	DI&DSP		
<i>Chimarra shanorum</i>														1 (700)	Jul		1	r	DSP		
<i>Chimarra shiva</i>			✓		✓	✓								6 (1100)	22 (630-1380)	138(550-950)	non- seasonal	29	144	a	DI&DSP
<i>Chimarra spinifera</i>				✓	✓	✓	✓	✓	✓	✓				37 (700,1100)	8	2 (950)	non- seasonal	43	311	a	DI&DSP
<i>Chimarra suadulla</i>								✓							Jun	56	1	c	DI&DSP		
<i>Chimarra suthepensis</i>			✓			✓	✓	✓	✓	✓				510(700,1100)	74 (1060-1380)	577(550-950)	non- seasonal	209	1171	a	DI&DSP
<i>Chimarra toga</i>																35 (550-700)	wet		44	c	DSP
<i>Chimarra uppita</i>														1(630)	Nov	1		r	DI		
<i>Chimarra yaorum</i>						✓								5 (1100)	4 (800-950)	non- seasonal		14	c	DSP	
<i>Dolophilodes adnamat</i>						✓		✓	✓	✓						61 (650-950)	hot-dry, cold-dry		69	c	DSP
<i>Dolophilodes bullu</i>	✓															107(550-950)	hot-dry	1	107	a	DI&DSP
<i>Dolophilodes torrentis</i>	✓	✓															hot-dry, wet	47		c	DI

Table 4.7continued

Family/Species	Doi Inthanon (DI)					Doi Suthep-Pui (DSP)					Abundance	Occurrence	DI		DSP		Temporal distribution	Abundance			National park specificity
	KMP upper	KMP lower	SRB	SRT	WCRT	MK	PP	PL	Mon upper	Mon lower			PNG	Thamsenanupap 2005	Thamsenanupap 2005	Prommi 1999		DI all	DSP all	Abundance status	
<i>Dolophilodes truncata</i>														231(550-950)	non-seasonal		231	a	DSP		
<i>Gunungiella segsafiazga</i>							✓				1	1		6 (700)	hot-dry, cold-dry		7	c	DSP		
<i>Kisaura cina</i>			✓								2	1	26 (700, 1100)	25 (1060-1380)	hot-dry, cold-dry	27	26	c	DI&DSP		
<i>Kisaura consagia</i>		✓	✓	✓	✓	✓	✓	✓	✓	✓	103	19	24 (700, 1100)	27 (630-1380)	503(650-950)	non-seasonal	97	560	a	DI&DSP	
<i>Kisaura filiformis</i>													9(1060)		wet	9		c	DI		
<i>Kisaura laban</i>		✓									1	1			Jun	1		r	DI		
<i>Kisaura longispina</i>	✓	✓	✓								98	24	45(1060)	1 (950)	non-seasonal	143	1	a	DI&DSP		
<i>Kisaura sura</i>					✓	✓	✓	✓			26	11	12 (700, 1100)	7 (1060-1380)	(650-950)	non-seasonal	8	195	a	DI&DSP	
<i>Kisaura surasa</i>														23 (650, 950)	Apr		23	c	DSP		
<i>Kisaura venusta</i>														2 (800)	Sep		2	r	DSP		
<i>Wormaldia abas</i>														1 (650)	Jun		1	r	DSP		
<i>Wormaldia etto</i>														2 (700, 950)	Apr, Sep		2	r	DSP		
<i>Wormaldia gressitti</i>													3(1060)		Nov	3		c	DI		
<i>Wormaldia inthanonensis</i>													1(1060)		Oct	1		r	DI		
<i>Wormaldia relictata</i>	✓	✓									2	2	1(1060)	3 (950)	Apr, Jun, Jan, Feb	3	3	c	DI&DSP		
<i>Wormaldia serata</i>		✓									1	1			Nov	1		r	DI		
Stenopsychidae																					
<i>Stenopsyche haimavatika</i>													1(630)		Nov	1		r	DI		
Polycentropodidae																					
<i>Kambaitipsyche hykron</i>													1 (950)		Apr		1	r	DSP		
<i>Nyctiophylax chiangmaiensis</i>				✓		✓	✓	✓	✓	✓	37	14	5 (700)	30 (550-700,950)	wet, cold-dry	1	71	c	DI&DSP		

Table 4.7continued

Family/Species	Doi Inthanon (DI)					Doi Suthep-Pui (DSP)					Abundance	Occurrence	DI Thamsenanupap 2005	DSP		Temporal distribution	Abundance			National park specificity
	KMP upper	KMP lower	SRB	SRT	WCRT	MK	PP	PL	Mon upper	Mon lower				PNG	Thamsenanupap 2005		Prommi 1999	DI all	DSP all	
<i>Nyctiophylax suthepensis</i>													231(550-950)	non-seasonal		231	a	DSP		
<i>Pahamunaya jihmita</i>													28 (550-700,950)	wet		28	c	DSP		
<i>Plectronemia arphachad</i>	✓	✓									6	2		Apr, Jun	6		c	DI		
<i>Polyplectropus admin</i>							✓	✓		✓	13	7	2 (700)	hot-dry, wet	12	23	c	DI&DSP		
<i>Polyplectropus aiolos</i>					✓						14	1	2 (1100)	Jun	14		c	DI		
<i>Polyplectropus ibykos</i>														Sep		2	r	DSP		
<i>Polyplectropus menna</i>						✓			✓		3	3	5 (700)	non-seasonal	2	100	a	DI&DSP		
<i>Polyplectropus nahor</i>													2(1060)	Jun	1		r	DI		
<i>Polyplectropus nangajna</i>														Mar, May, Jun		3	c	DSP		
<i>Pseudoneureclipsis achim</i>														16 (650-950)	cold-dry		16	c	DSP	
<i>Pseudoneureclipsis amon</i>													4 (700)	Mar, May		6	c	DSP		
<i>Pseudoneureclipsis asa</i>								✓		✓	3	2		26 (550-800)	wet		29	c	DSP	
<i>Pseudoneureclipsis josia</i>													2 (1100)	hot-dry, wet		5	c	DSP		
<i>Pseudoneureclipsis kainam</i>														2 (550, 700)	wet		2	r	DSP	
<i>Pseudoneureclipsis methusalah</i>					✓						14	1		Jun	14		c	DI		
<i>Pseudoneureclipsis philemon</i>					✓						14	1		Jun	14		c	DI		
<i>Pseudoneureclipsis ramosa</i>														124(550-950)	hot-dry, wet		124	a	DSP	
<i>Pseudoneureclipsis saccheda</i>													2 (700)	hot-dry, wet		7	c	DSP		
<i>Pseudoneureclipsis sukrip</i>														May	1		r	DI		

Table 4.7continued

Family/Species	Doi Inthanon (DI)					Doi Suthep-Pui (DSP)					Abundance	Occurrence	DI		DSP		Temporal distribution	Abundance			National park specificity
	KMP upper	KMP lower	SRB	SRT	WCRT	MK	PP	PL	Mon upper	Mon lower			PNG	Thamsenanupap 2005	Thamsenanupap 2005	Prommi 1999		DI all	DSP all	Abundance status	
<i>Pseudoneureclipsis uma</i>					✓					✓	5	2		10 (650, 800-950)	hot-dry, wet	4	11	c	DI&DSP		
<i>Pseudoneureclipsis usia</i>						✓		✓		✓	23	6	13 (700, 1100)	246(550-800)	hot-dry, wet		282	a	DSP		
Psychomyiidae																					
<i>Eoneureclipsis querquobad</i>														3(1060)	3 (950)	Jul, Sep, Feb	3	3	c	DI&DSP	
<i>Lype atria</i>							✓				1	1	19 (1100)	3 (800-950)	Jun, Sep, Feb		23	c	DSP		
<i>Paduniella maeklangensis</i>														110 (630, 1060)	hot-dry, wet	110		a	DI		
<i>Paduniella semarangensis</i>		✓			✓	✓					38	6		1210 (630-750)	non-seasonal	1248		a	DI		
<i>Paduniella suwannamali</i>														1 (630)	Mar	1		r	DI		
<i>Paduniella wangtakraiensis</i>							✓				1	1		4 (630)	Jul, Feb	4	1	c	DI&DSP		
<i>Psychomyia amor</i>														1 (650)	Jan		1	r	DSP		
<i>Psychomyia arthit</i>					✓	✓					85	6		157(630)	1 (950)	hot-dry, wet	242	1	a	DI&DSP	
<i>Psychomyia barata</i>											10	3	2 (700)	41 (650-800)	non-seasonal			c	DSP		
<i>Psychomyia benyagai</i>			✓			✓					72	2		2(630,1380)	Apr, Jun, Jul	74		c	DI		
<i>Psychomyia chompu</i>				✓	✓	✓					12	3		143(630,1060-1380)	non-seasonal	155		a	DI		
<i>Psychomyia inthorachit</i>					✓						42	1			Jun	42		c	DI		
<i>Psychomyia kaiya</i>					✓						185	4		314 (630-750)	2 (550-600)	hot-dry, wet	499	2	a	DI&DSP	
<i>Psychomyia kerynitia</i>								✓	✓		3	2			Mar, Jun		3	c	DSP		
<i>Psychomyia kiskinda</i>					✓			✓			4	3		2 (630-750)	hot-dry	3	3	c	DI&DSP		
<i>Psychomyia lak</i>					✓						266	6		199(630-750,1380)	non-seasonal	489		a	DI		
<i>Psychomyia monto</i>					✓			✓	✓		18	5		1(630)	hot-dry, wet	13	6	c	DI&DSP		

Table 4.7continued

Family/Species	Doi Inthanon (DI)					Doi Suthep-Pui (DSP)					Abundance	Occurrence	DI Thamsenanupap 2005	DSP		Temporal distribution	Abundance			National park specificity	
	KMP upper	KMP lower	SRB	SRT	WCRT	MK	PP	PL	Mon upper	Mon lower				PNG	Thamsenanupap 2005		Prommi 1999	DI all	DSP all		Abundance status
<i>Tinodes acheron</i>													7 (800-950)	hot-dry		7	c	DSP			
<i>Tinodes cincibilus</i>			✓										4(1060)	hot-dry	14		c	DI			
<i>Tinodes mahalat</i>								✓						Nov		1	r	DSP			
<i>Tinodes mogetius</i>			✓										36 (1060-1380)	hot-dry, wet	39		c	DI			
<i>Tinodes ragar</i>													5(1060)	Oct	5		c	DI			
<i>Tinodes ragu</i>													5 (550-600)	wet		5	c	DSP			
Xiphocentronidae																					
<i>Abaria guatila</i>									✓	✓			2	2		3 (1100)	Sep, Nov	5	c	DSP	
<i>Cnodocentron brogimarus</i>													4 (1100)		7 (650-950)	non-seasonal	11	c	DSP		
<i>Drepanocentron curmisagi</i>						✓	✓			✓			15	4	17 (550, 700,950)	non-seasonal	32	c	DSP		
<i>Drepanocentron jabal</i>							✓						2	1		Dec	2	r	DSP		
<i>Drepanocentron vercaius</i>						✓							2	1		Mar	2	r	DSP		
<i>Melanotrichia attia</i>			✓										2	2	2 (1060-1380)	wet	4		c	DI	
Ecnomidae																					
<i>Ecnomus alkestis</i>													5(630)		5(630)	Apr, Jul	5		c	DI	
<i>Ecnomus areion</i>													2 (700)		3 (1060-1380)	non-seasonal	3	2	c	DI&DSP	
<i>Ecnomus jojachin</i>													2 (700)		2 (700)	Apr		2	r	DSP	
<i>Ecnomus robustior</i>													3(630)		3(630)	wet	3		c	DI	
<i>Ecnomus suadrus</i>									✓				4 (700, 1100)		59 (650-950)	non-seasonal		64	c	DSP	
<i>Ecnomus venimar</i>							✓			✓			4	3	2(630)	48 (550-700,950)	wet	2	52	c	DI&DSP

Table 4.7continued

Family/Species	Doi Inthanon (DI)					Doi Suthep-Pui (DSP)					Abundance	Occurrence	DI Thamsenanupap 2005	DSP		Temporal distribution	Abundance			National park specificity	
	KMP upper	KMP lower	SRB	SRT	WCRT	MK	PP	PL	Mon upper	Mon lower				PNG	Thamsenanupap 2005		Prommi 1999	DI all	DSP all		Abundance status
Arctopsychidae																					
<i>Arctopsyche hynreck</i>		✓	✓											128 (750-1380)		non-seasonal	158		a	DI	
<i>Arctopsyche variabilis</i>	✓	✓														hot-dry, wet	5		c	DI	
<i>Parapsyche intawitichajanon</i>	✓															Jun	1		r	DI	
Hydropsychidae																					
<i>Cheumatopsyche admetos</i>						✓										12 (650-700, 950)	hot-dry, wet		19	c	DSP
<i>Cheumatopsyche automedon</i>													2 (1100)	1 (1060)		May, Aug	1	2	c	DI&DSP	
<i>Cheumatopsyche bardiana</i>														4 (630-750)		Apr, Aug, Feb	4		c	DI	
<i>Cheumatopsyche caieta</i>														2(630)		Apr	2		r	DI	
<i>Cheumatopsyche carmentis</i>														54 (630-750,1380)		Apr, Oct, Nov, Feb	54		c	DI	
<i>Cheumatopsyche carna</i>												378	1			Jun	378		a	DI	
<i>Cheumatopsyche ceres</i>			✓									2	1	6 (1100)	113 (750-1060)		non-seasonal	115	6	a	DI&DSP
<i>Cheumatopsyche charites</i>			✓	✓	✓	✓						9663	22		20(1060)		non-seasonal	9683		a	DI
<i>Cheumatopsyche chrysothemis</i>						✓				✓		29	2			1 (650) Jun, Sep, Dec	28	2	c	DI&DSP	
<i>Cheumatopsyche cocles</i>			✓				✓	✓	✓			101	24	83 (700, 1100)	4(1060)	1235(650-950)	non-seasonal	5	1418	a	DI&DSP
<i>Cheumatopsyche copia</i>			✓	✓	✓	✓			✓			2595	29		98 (630-750)		non-seasonal	2692	1	a	DI&DSP
<i>Cheumatopsyche cressida</i>														6 (630-750)		Oct, Feb	6		c	DI	
<i>Cheumatopsyche criseyde</i>			✓	✓	✓	✓						762	17		226 (630-750)		non-seasonal	988		a	DI
<i>Cheumatopsyche globosa</i>						✓				✓		381	3	1 (700)		Mar, Jun, Oct, Nov	380	2	a	DI&DSP	

Table 4.7continued

Family/Species	Doi Inthanon (DI)					Doi Suthep-Pui (DSP)					Abundance	Occurrence	DI	DSP		Temporal distribution	Abundance			National park specificity	
	KMP upper	KMP lower	SRB	SRT	WCRT	MK	PP	PL	Mon upper	Mon lower			PNG	Thamsenanupap 2005	Thamsenanupap 2005		Prommi 1999	DI all	DSP all		Abundance status
<i>Cheumatopsyche jaekam</i>						✓						14	1			Jun	14		c	DI	
<i>Cheumatopsyche jiriana</i>															1 (800)	Apr		1	r	DSP	
<i>Cheumatopsyche naisensis</i>															1 (550)	Jan		1	r	DSP	
<i>Cheumatopsyche naumanni</i>														176 (630-750)		non-seasonal	176		a	DI	
<i>Cheumatopsyche ningmapa</i>														21 (630-750)		Apr, Aug, Feb	21		c	DI	
<i>Cheumatopsyche schwendingeri</i>														1(1060)	1 (700)	hot-dry	1	1	r	DI&DSP	
<i>Cheumatopsyche temburonga</i>														1(630)		May	1		r	DI	
<i>Cheumatopsyche tramota</i>														3(1060)		May	3		c	DI	
<i>Cheumatopsyche trilari</i>															4 (800-950)	hot-dry		4	c	DSP	
<i>Diplectrona aurovittata</i>	✓	✓	✓			✓		✓	✓	✓	✓	144	29	19 (700, 1100)	68 (630-1380)		non-seasonal	174	57	a	DI&DSP
<i>Diplectrona burha</i>		✓										3	1			Apr	3		c	DI	
<i>Diplectrona eurydike</i>			✓	✓	✓		✓	✓	✓	✓	✓	20	15	27 (700, 1100)	17 (750-1380)		non-seasonal	27	37	c	DI&DSP
<i>Diplectrona harpyia</i>	✓	✓	✓			✓						36	12			non-seasonal	35	1	c	DI&DSP	
<i>Diplectrona hermione</i>						✓	✓	✓	✓			12	9	25 (1100)	4 (1060-1380)	hot-dry, wet	4	37	c	DI&DSP	
<i>Diplectrona joannisi</i>			✓			✓	✓	✓				19	8	3 (700, 1100)	1(1060)	hot-dry, wet	2	21	c	DI&DSP	
<i>Hydromanicus abiud</i>					✓	✓	✓	✓	✓	✓		23	15	22 (700, 1100)	56 (550-800)	non-seasonal	1	100		DI&DSP	
<i>Hydromanicus adonis</i>						✓	✓	✓				24	9	14 (700, 1100)	4 (700-950)	non-seasonal	4	42	c	DI&DSP	
<i>Hydromanicus eldaa</i>						✓		✓				3	2			cold-dry		3	c	DSP	
<i>Hydromanicus eliakim</i>	✓	✓	✓									27	7	146 (750-1380)	3 (700-800)	non-seasonal	173	3	a	DI&DSP	
<i>Hydromanicus inferior</i>		✓	✓	✓	✓	✓		✓	✓	✓		500	42	6 (700)	80 (630-1060)	non-seasonal	546	123	a	DI&DSP	

Table 4.7continued

Family/Species	Doi Inthanon (DI)					Doi Suthep-Pui (DSP)					Abundance	Occurrence	DI		DSP		Temporal distribution	Abundance			National park specificity
	KMP upper	KMP lower	SRB	SRT	WCRT	MK	PP	PL	Mon upper	Mon lower			PNG	Thamsenanupap 2005	Thamsenanupap 2005	Prommi 1999		DI all	DSP all	Abundance status	
<i>Hydromanicus klanklini</i>						✓	✓	✓	✓	✓	33	14	6 (700)	2(630)	110(550, 700-950)	non-seasonal	2	149	a	DI&DSP	
<i>Hydromanicus luctuosus</i>			✓			✓		✓	✓		55	21				hot-dry, wet	30	25	c	DI&DSP	
<i>Hydromanicus punctosalis</i>			✓					✓	✓		22	5				wet	20	2	c	DI&DSP	
<i>Hydromanicus scotosius</i>			✓								1	1	3 (1100)	7 (1060-1380)		non-seasonal	8	3	c	DI&DSP	
<i>Hydromanicus sealthiel</i>						✓		✓			7	6	61 (700, 1100)	1(630)	196(800-950)	non-seasonal	1	264	a	DI&DSP	
<i>Hydromanicus serubabel</i>							✓	✓	✓	✓	111	31	16 (700, 1100)	27(630)	695(550-950)	non-seasonal	27	822	a	DI&DSP	
<i>Hydromanicus truncatus</i>													115 (700, 1100)	185 (750-1380)	245(650-950)	non-seasonal	185	360	a	DI&DSP	
<i>Hydropsyche adraustos</i>																non-seasonal	226		a	DI	
<i>Hydropsyche angkangensis</i>													2 (700)			Apr		2	r	DSP	
<i>Hydropsyche appendicularis</i>														227 (630-1380)			Feb	1		r	DI
<i>Hydropsyche arcturus</i>								✓	✓		4	3	71 (700, 1100)	15(750,1060-1380)		non-seasonal	15	75	c	DI&DSP	
<i>Hydropsyche askalaphos</i>			✓	✓	✓	✓					172	22		123 (630, 1060)		non-seasonal	295		a	DI	
<i>Hydropsyche atropos</i>														6 (630, 1060)		May, Nov, Jan	6		c	DI	
<i>Hydropsyche augeias</i>														8 (630-1060)		Apr, May, Jul, Dec	8		c	DI	
<i>Hydropsyche bacchus</i>								✓			1	1	5 (700, 1100)	5(1060)		Jul, Aug, Dec, Feb	5	6	c	DI&DSP	
<i>Hydropsyche binaria</i>	✓	✓	✓				✓		✓		20	8		8(1060)		non-seasonal	23	5	c	DI&DSP	
<i>Hydropsyche bonuseventus</i>														34 (630-1060)		wet, cold-dry	34		c	DI	
<i>Hydropsyche bootes</i>			✓	✓	✓	✓	✓	✓	✓		403	27	52 (700, 1100)	158(1060-1380)		non-seasonal	524	89	a	DI&DSP	

Table 4.7continued

Family/Species	Doi Inthanon (DI)					Doi Suthep-Pui (DSP)					Abundance	Occurrence	DI		DSP		Temporal distribution	Abundance			National park specificity
	KMP upper	KMP lower	SRB	SRT	WCRT	MK	PP	PL	Mon upper	Mon lower			PNG	Thamsenanupap 2005	Thamsenanupap 2005	Prommi 1999		DI all	DSP all	Abundance status	
<i>Hydropsyche briareus</i>				✓	✓	✓						138	20		79 (630-1060)		hot-dry, wet	217		a	DI
<i>Hydropsyche cacus</i>							✓					1	1	1 (700)	6(630)		Apr, Nov, Feb	6	2	c	DI&DSP
<i>Hydropsyche camillus</i>							✓			✓		44	3	5 (700, 1100)	5 (630-750)		hot-dry, wet	47	7	c	DI&DSP
<i>Hydropsyche cerva</i>															8(1060)		May	8		c	DI
<i>Hydropsyche clitumnus</i>							✓		✓			6	3	13 (700, 1100)	79 (750-1060)		non-seasonal	79	19	c	DI&DSP
<i>Hydropsyche doctersi</i>				✓	✓	✓			✓			15	5		6 (630-750)		wet, cold-dry	14	7	c	DI&DSP
<i>Hydropsyche formosana</i>							✓					15	2				wet	14	1	c	DI&DSP
<i>Hydropsyche harpagofalcata</i>				✓	✓							43	5				Mar, Jun, Nov, Feb	43		c	DI
<i>Hydropsyche napaea</i>															70 (750-1060)		cold-dry	70		c	DI
<i>Hydropsyche pallipenne</i>		✓						✓				13	5		12(1060)		wet	13	12	c	DI&DSP
<i>Hydropsyche uvana</i>			✓	✓	✓	✓			✓			33	10		19 (630-1380)		non-seasonal	51	1	c	DI&DSP
<i>Macrostemum fastosum</i>			✓			✓	✓		✓	✓		64	8	3 (700)	25 (630-1060)	82 (550-950)	hot-dry, wet	77	97	a	DI&DSP
<i>Macrostemum floridum</i>															2(630)	5 (700)	Apr, May, Sep	2	5	c	DI&DSP
<i>Macrostemum hestia</i>			✓									1	1		11(1060)	18 (650-950)	non-seasonal	12	18	c	DI&DSP
<i>Macrostemum midas</i>						✓			✓	✓		17	3		22 (550-800)		hot-dry, wet	14	25	c	DI&DSP
<i>Potamyia alleni</i>						✓						14	2		13(630)		Apr, Sep	27		c	DI
<i>Potamyia aureipennis</i>																1 (700)	Apr		1	r	DSP
<i>Potamyia elektra</i>			✓	✓	✓							336	16				hot-dry, wet	336		a	DI

Table 4.7continued

Family/Species	Doi Inthanon (DI)					Doi Suthep-Pui (DSP)					Abundance	Occurrence	DI Thamsenanupap 2005	DSP		Temporal distribution	Abundance			National park specificity
	KMP upper	KMP lower	SRB	SRT	WCRT	MK	PP	PL	Mon upper	Mon lower				PNG	Thamsenanupap 2005		Prommi 1999	DI all	DSP all	
<i>Potamyia flavata</i>									✓					2 (700)		Mar, Jun, Sep, Feb	126	3	a	DI&DSP
<i>Potamyia horvati</i>				✓	✓	✓								5 (630, 1060)		non- seasonal	76		c	DI
<i>Potamyia panakeia</i>					✓	✓								151 (630- 1060)		non- seasonal	164		a	DI
<i>Potamyia phaidra</i>						✓								4 (550, 700)		wet	56	4	c	DI&DSP
<i>Pseudoleptonema erawan</i>						✓										Jun	14		c	DI
<i>Pseudoleptonema quinquefasciatum</i>				✓	✓	✓								49(630)		hot-dry, wet	187		a	DI
<i>Trichomacronema paniae</i>			✓					✓	✓				151(700, 1100)	167 (630- 1380)	18 (650- 800)	non- seasonal	247	183	a	DI&DSP
Phryganeidae																				
<i>Eubasilissa maclachlani</i>	✓	✓												1(1060)		Mar, Apr, Jun, Nov	7		c	DI
Brachycentridae																				
<i>Micrasema asuro</i>														1(1060)	1 (650)	wet	1	1	r	DI&DSP
<i>Micrasema fortiso</i>							✓	✓	✓	✓			10 (700, 1100)	66(1060)	80 (550- 950)	non- seasonal	66	103	a	DI&DSP
<i>Micrasema helveio</i>														9 (550- 700, 950)		Mar, May, Sept, Jan		9	c	DSP
<i>Micrasema turbo</i>														1 (950)		Jun		1	r	DSP
Limnocentropodidae																				
<i>Limnocentropus auratus</i>														4 (750- 1060)		Jun	4		c	DI
<i>Limnocentropus hysbald</i>			✓	✓	✓	✓								3(630)		Jun, Jul	48		c	DI
<i>Limnocentropus inthanonensis</i>	✓	✓												1(1060)		hot-dry	15		c	DI

Table 4.7continued

Family/Species	Doi Inthanon (DI)					Doi Suthep-Pui (DSP)					Abundance	Occurrence	DI Thamsenunupap 2005	DSP		Temporal distribution	Abundance			National park specificity	
	KMP upper	KMP lower	SRB	SRT	WCRT	MK	PP	PL	Mon upper	Mon lower				PNG	Thamsenunupap 2005		Prommi 1999	DI all	DSP all		Abundance status
<i>Limnocentropus sammuanensis</i>														82 (750-1060)		wet	82		c	DI	
<i>Limnocentropus siribhumensis</i>		✓														Apr	11		c	DI	
Limnephilidae																					
<i>Moropsyche gerolan</i>	✓															Mar, Aug, Sep	3		c	DI	
<i>Moropsyche huaisailianga</i>						✓	✓		✓					1 (700)	2(1060)	40 (650-950) non-seasonal	2	59	c	DI&DSP	
<i>Nothopsyche muqua</i>		✓														Nov	1		r	DI	
Goeridae																					
<i>Goera ateduna</i>														13(630)		Aug	13		c	DI	
<i>Goera atiugo</i>			✓											13	1	2 (700) 2(1060)	3 (700-950) non-seasonal	15	5	c	DI&DSP
<i>Goera ilo</i>														3 (700, 1100)	12 (750-1380)	8 (650, 950) hot-dry, wet	12	11	c	DI&DSP	
<i>Goera mandana</i>														1(630)		Jan	1		r	DI	
<i>Goera matuilla</i>										✓				2	1	1(630)	1 (650) May, May, Nov	1	3	c	DI&DSP
<i>Goera minor</i>																3 (650-700) hot-dry		3	c	DSP	
<i>Goera redsat</i>					✓	✓								24	7	38 (630-750) 1 (700)	wet	62	1	c	DI&DSP
<i>Goera redsamar</i>			✓			✓				✓				90	7	21 (630-750) 1 (700)	hot-dry, wet	108	4	a	DI&DSP
<i>Goera schmidi</i>																11 (630-750) hot-dry	11		c	DI	
<i>Goera seccio</i>																1 (650) Nov		1	r	DSP	
<i>Goera unica</i>					✓	✓								3	3	15 (630-750) hot-dry, wet	18		c	DI	
<i>Goera uniformis</i>																1 (700) Apr		1	r	DSP	

Table 4.7continued

Family/Species	Doi Inthanon (DI)					Doi Suthep-Pui (DSP)					Abundance	Occurrence	DI		DSP		Temporal distribution	Abundance			National park specificity
	KMP upper	KMP lower	SRB	SRT	WCRT	MK	PP	PL	Mon upper	Mon lower			PNG	Thamsenanupap 2005	Thamsenanupap 2005	Prommi 1999		DI all	DSP all	Abundance status	
<i>Larcasia lannaensis</i>								✓	✓		2	2	52 (700, 1100)		6 (650-800)	non-seasonal		60	c	DSP	
Uenoidae																					
<i>Uenoa ketura</i>	✓										1	1				Sep	1		r	DI	
Lepidostomatidae																					
<i>Lepidostoma abruptum</i>								✓	✓		3	2	12 (700, 1100)		302(550-950)	Apr	3		c	DI	
<i>Lepidostoma aprilius</i>	✓											1				May	1		r	DI	
<i>Lepidostoma augustus</i>											2			1(1060)		non-seasonal		316	a	DSP	
<i>Lepidostoma brueckmanni</i>			✓	✓	✓	✓					21	8		29 (630-1380)		hot-dry, wet	49	1	c	DI&DSP	
<i>Lepidostoma daidalion</i>						✓		✓	✓		17	4	19 (700, 1100)	1(630)		hot-dry, wet	15	22	c	DI&DSP	
<i>Lepidostoma diespiter</i>													1(1100)			May		1	r	DSP	
<i>Lepidostoma doligung</i>						✓		✓	✓		33	4		4 (630-750)	63 (550-950)	non-seasonal	32	68	c	DI&DSP	
<i>Lepidostoma februaryus</i>													16 (1100)	8 (1060-1380)	10 (700, 950)	non-seasonal	8	26	c	DI&DSP	
<i>Lepidostoma fischeri</i>			✓								5	3		262 (750-1380)		hot-dry, wet	267		a	DI	
<i>Lepidostoma inthanon</i>	✓	✓									79	14				hot-dry, wet	79		c	DI	
<i>Lepidostoma lannaensis</i>														1(1060)		Jun	1		r	DI	
<i>Lepidostoma longipenis</i>															22 (700-950)	Apr		22	c	DSP	
<i>Lepidostoma martius</i>				✓	✓	✓		✓	✓		5	5	1 (1100)	3(1060)	16 (650-950)	wet	5	20	c	DI&DSP	
<i>Lepidostoma montatan</i>														16 (750-1060)	7 (550-950)	Mar, Apr, Sep, Feb		7	c	DSP	
<i>Lepidostoma moulimina</i>			✓			✓	✓	✓	✓		39	15	20 (700, 1100)	18 (750-1060)	79 (550-950)	non-seasonal	19	137	a	DI&DSP	

Table 4.7continued

Family/Species	Doi Inthanon (DI)					Doi Suthep-Pui (DSP)					Abundance	Occurrence	DI Thamsenanupap 2005	DSP		Temporal distribution	Abundance			National park specificity
	KMP upper	KMP lower	SRB	SRT	WCRT	MK	PP	PL	Mon upper	Mon lower				PNG	Thamsenanupap 2005		Prommi 1999	DI all	DSP all	
<i>Lepidostoma navasi</i>													52(1060)		non- seasonal	68		c	DI	
<i>Lepidostoma pratetaiensis</i>						✓			✓	✓	6	5	18 (700- 1100)	9 (750- 1060)	70 (550- 950)	non- seasonal	9	94	a	DI&DSP
<i>Lepidostoma pseudoabruptum</i>								✓		✓	2	2			wet		2	r	DSP	
<i>Lepidostoma septembrius</i>						✓					1	1	11 (700, 1100)	1(1060)	3 (650- 800)	non- seasonal	1	15	c	DI&DSP
<i>Lepidostoma taunggya</i>						✓	✓				5	4	2 (1100)	2(1060)	16 (550- 700, 950)	hot-dry, wet	2	23	c	DI&DSP
<i>Lepidostoma varithi</i>	✓										3	3			Apr, Jun, Nov	3		c	DI	
<i>Paraphlegopteryx angkangensis</i>	✓										2	1			Nov	2		r	DI	
<i>Paraphlegopteryx malickyi</i>	✓	✓									6	6			wet	6		c	DI	
Leptoceridae																				
<i>Adicella evadne</i>			✓			✓	✓			✓	28	8	3(1100)	63 (1060- 1380)		hot-dry, wet	86	8	c	DI&DSP
<i>Adicella kanake</i>			✓							✓	5	4		23 (630,1380)		hot-dry, wet	26	2	c	DI&DSP
<i>Adicella koronis</i>													1(1100)	1(1060)		Jun, Jan	1	1	r	DI&DSP
<i>Adicella larentia</i>						✓					1	1		1(1060)		wet	1	1	r	DI&DSP
<i>Adicella longicerca</i>														1(1060)		Jun	1		r	DI
<i>Ceraclea globosa</i>						✓					25	1				Feb	25		c	DI
<i>Ceraclea iambe</i>														2(1060)		May	2		r	DI
<i>Leptocerus hylaios</i>						✓					4	3				Jul, Nov, Feb	4		c	DI
<i>Leptocerus inthanonensis</i>						✓				✓	2	2		2(630)		Mar, Jul	3	1	c	DI&DSP
<i>Leptocerus lampunensis</i>														1(630)		Sep	1		r	DI
<i>Leptocerus protesilaos</i>						✓					2	1				Nov	2		r	DI
<i>Leptocerus skamendrios</i>						✓					14	1				Jun	14		c	DI
<i>Leptocerus suthepensis</i>										✓	1	1			4 (550- 700)	Mar, Sep, Dec, Feb		5	c	DSP

Table 4.7continued

Family/Species	Doi Inthanon (DI)					Doi Suthep-Pui (DSP)					Abundance	Occurrence	DI Thamsenanupap 2005	DSP		Temporal distribution	Abundance			National park specificity
	KMP upper	KMP lower	SRB	SRT	WCRT	MK	PP	PL	Mon upper	Mon lower				PNG	Thamsenanupap 2005		Prommi 1999	DI all	DSP all	
<i>Mystacides elongata</i>				✓										1(1060)		Jun	2		r	DI
<i>Oecetis iros</i>					✓											Jun	14		c	DI
<i>Oecetis miletos</i>										✓						Jul		1	r	DSP
<i>Oecetis pretakalpa</i>					✓											Jul	1		r	DI
<i>Oecetis purusamedha</i>				✓	✓											Apr, Aug	5		c	DI
<i>Oecetis raghava</i>										✓						wet		2	r	DSP
<i>Oecetis tripunctata</i>				✓				✓		✓				1 (650)		hot-dry, wet	4	8	c	DI&DSP
<i>Oecetis villosa</i>														2 (630- 750)		wet	2		r	DI
<i>Parasetodes respersella</i>					✓											Sep	2		r	DI
<i>Setodes abhirakta</i>				✓			✓	✓	✓							hot-dry, wet	1	26	c	DI&DSP
<i>Setodes argentiguttatus</i>					✓											Nov	1		r	DI
<i>Setodes endymion</i>					✓			✓						2(630)		wet	16	1	c	DI&DSP
<i>Setodes isis</i>					✓					✓						Apr, Jun	28	1	c	DI&DSP
<i>Setodes kerkopos</i>			✓					✓	✓							Mar, Jun	1	3	c	DI&DSP
<i>Setodes lailaps</i>		✓														Apr	2		r	DI
<i>Setodes likymnios</i>					✓											Jun	84		c	DI
<i>Setodes mefitis</i>					✓											Apr	8		c	DI
<i>Setodes megaira</i>					✓											Jun	14		c	DI
<i>Setodes menestratos</i>		✓	✓	✓	✓											hot-dry, wet	21		c	DI
<i>Setodes menestratos</i>					✓											Apr	24		c	DI
<i>Setodes menoikeus</i>					✓	✓										Apr, Jun	130		a	DI
<i>Setodes mercurius</i>				✓	✓											Apr, Feb	5		c	DI
<i>Setodes metis</i>				✓	✓	✓										hot-dry, wet	130		a	DI
<i>Setodes neleus</i>										✓						Mar		1	r	DSP

Table 4.7continued

Family/Species	Doi Inthanon (DI)					Doi Suthep-Pui (DSP)					Abundance	Occurrence	DI Thamsenanupap 2005	DSP		Temporal distribution	Abundance			National park specificity	
	KMP upper	KMP lower	SRB	SRT	WCRT	MK	PP	PL	Mon upper	Mon lower				PNG	Thamsenanupap 2005		Prommi 1999	DI all	DSP all		Abundance status
<i>Setodes periklymenos</i>						✓						28	1			Jun	28		c	DI	
<i>Setodes sarapis</i>										✓		1	1			Jun		1	r	DSP	
<i>Setodes tcharurupa</i>					✓	✓				✓		597	17			hot-dry, wet	372	225	a	DI&DSP	
<i>Triaenodes plectus</i>														1(630)		Apr	1		r	DI	
<i>Triaenodes pentheus</i>				✓								1	1			Apr	1		r	DI	
<i>Trichosetodes anaksepuluh</i>					✓							14	1			Jun	14		c	DI	
Helicopsychidae																					
<i>Helicopsyche admata</i>														1(1100)		Sep		1	r	DSP	
<i>Helicopsyche rodchana</i>														3(700)	3(1060)	1(700)	wet	3	4	c	DI&DSP
Odontoceridae																					
<i>Inthanopsyche trimeresuri</i>	✓		✓									19	4			Mar, Apr, Feb	33		c	DI	
<i>Lannapsyche chantaramongkolae</i>			✓				✓					2	2	1(700)	7(750-1380)	21(550-700, 950)	non-seasonal	8	23	c	DI&DSP
<i>Marilia aerope</i>				✓	✓	✓						132	11		2(1060)	5(700, 950)	hot-dry, wet	134	5	a	DI&DSP
<i>Marilia mogtiana</i>				✓	✓	✓				✓		22	9	1(700)	24(630-1380)	89(550-950)	hot-dry, wet	42	94	a	DI&DSP
<i>Marilia sumatrana</i>			✓	✓				✓		✓		7	5	5(700, 1100)	2(1060-1380)	117(550-950)	non-seasonal	5	126	a	DI&DSP
<i>Psilotreta abudeb</i>			✓									2	2			wet	2		r	DI	
<i>Psilotreta baureo</i>			✓	✓	✓	✓						9	7	5(700)	17(1060-1380)	2(650, 800)	non-seasonal	25	8	c	DI&DSP
<i>Psilotreta quin</i>					✓							1	1		16(630,1060-1380)		hot-dry	17		c	DI
Calamoceratidae																					
<i>Anisocentropus brevipennis</i>										✓		1	1			13(550-700)	non-seasonal		14	c	DSP
<i>Anisocentropus diana</i>						✓						1	1	1(1100)		wet		2	r	DSP	

Table 4.7continued

Family/Species	Doi Inthanon (DI)						Doi Suthep-Pui (DSP)					Abundance	Occurrence	DI		DSP		Temporal distribution	Abundance			National park specificity
	KMP upper	KMP lower	SRB	SRT	WCRT	MK	PP	PL	Mon upper	Mon lower	PNG			Thamsenanupap 2005	Thamsenanupap 2005	Prommi 1999	DI all		DSP all	Abundance status		
<i>Anisocentropus janus</i>								✓	✓	✓	15	9	6 (700, 1100)	7 (630-750)	225(550-950)	non-seasonal	7	246	a	DI&DSP		
<i>Anisocentropus minutus</i>															1 (700)	Apr	1	r	DSP			
<i>Anisocentropus pan</i>				✓		✓	✓			✓	9	6	3 (1100)	2(630)	22 (550-950)	non-seasonal	3	33	c	DI&DSP		
<i>Anisocentropus pandora</i>	✓										1	1		2(1060)		Apr, Nov	3		c	DI		
<i>Anisocentropus salsus</i>			✓								2	1		2 (1060-1380)		Nov	4		c	DI		
<i>Ganonema dracula</i>			✓								4	1		16(1060)		hot-dry	20		c	DI		
<i>Ganonema extensum</i>								✓	✓		4	4			66 (650-950)	hot-dry, wet		70	c	DSP		
<i>Ganonema fuscipenne</i>				✓		✓				✓	6	4		2(630)		hot-dry, wet	5	3	c	DI&DSP		
Molannidae																						
<i>Molanna oglamar</i>														1(630)	6 (550-700)	non-seasonal	1	6	c	DI&DSP		
<i>Molannodes alticola</i>		✓									1	1				Jun	1		r	DI		
<i>Molannodes hydorn</i>															2 (800-950)	Apr, Oct		2	r	DSP		
<i>Molannodes lirr</i>								✓	✓		4	3	2 (700, 1100)		120(550-950)	non-seasonal		126	a	DSP		
<i>Molannodes magdiel</i>										✓	1	1				Nov		1	r	DSP		
<i>Mollannodes nimrod</i>	✓										1	1				Apr	1		r	DI		