SHORT COMMUNICATION

T. I. Arefina & S. Yu. Storozhenko. INTERNATIONAL BIODIVERSITY OBSERVATION YEAR (IBOY): THE CADDISFLIES (INSECTA: TRICHOPTERA) OF THE FOREST ECOSYSTEMS OF THE PRIMORYE REGION. – Far Eastern Entomologist. 2003. N 129: 7-8.

Т. И. Арефина, С. Ю. Стороженко. Международный год изучения биоразнообразия (IBOY): ручейники (Insecta: Trichoptera) лесных экосистем Приморского края // Дальневосточный энтомолог. 2003. N 129. С. 7-8.

The insects of a one hectare plot of the mixed coniferous-broad-leaved forest in Russia have been studied as a part of the International Biodiversity Observation Year (IBOY) in 2001. The fauna of caddisflies (Trichoptera) of Primorskii krai is represented by 254 species from 92 genera and 25 families [1]. The fauna of Ussuriisky Reserve consist of 78 species from 43 genera and 20 families [2]. Only 22 species from 16 genera and 11 families were collected in plot at Kamenushka by Light traps in the canopy and ground zones, which consist 44 % of families, 17.4 % genera and 8.7 % species of the fauna of Primorskii krai, and 55 %, 37.2 % and 28.2 % of Ussuriisky Reserve respectively. A list of caddisflies of plot is given below in table. Present study was supported in part by grants of Far Eastern Branch of the Russian Academy of Sciences N 03-3-B-06-016 and N 03-1-0-06-028 (S.Yu. Storozhenko, principal investigator).

Table

Number of Trichoptera specimens collected by Light traps in the canopy and ground zones in plot at Kamenushka in 2001

N	Species	Canopy	Ground	Total:
	Family Rhyacophilidae			
1.	*Rhyacophila lata* Martynov, 1918	-	1	1
	Family Hydrobiosidae			
2.	*Apsilochorema sutshanum* Martynov, 1934	2	3	5
	Family Glossosomatidae			
3.	*Glossosoma intermedium* (Klapalek, 1892)	1	-	1
4.	*G. ussuricum* (Martynov, 1934)	-	2	2
	Family Stenopsychidae			
5.	*Stenopsyche bergeri* (Martynov, 1926)	59	35	94
	Family Hydropsychidae			
6.	*Cheumatopsyche infascia* Martynov, 1934	36	11	47
7.	*Hydropsyche lianchiensis* Li et Tian, 1990	-	9	9
8.	*H. orientalis* Martynov, 1934	11	37	48
	Family Psychomyiidae			
9.	*Lype* sp.	1	-	1
10.	*Psychomyia uncatissima* Botosaneanu, 1970	-	4	4

T a b l e (continued)

N	Species	Canopy	Ground	Total:
	Family Limnephilidae			
11.	*Asynarchus amurensis* (Ulmer, 1905)	2	10	12
12.	*Hydatophylax magnus* (Martynov, 1914)	5	8	13
13.	*H. soldatovi* (Martynov, 1914)	-	1	1
14.	*Limnephilus correptus* McL., 1880	-	1	1
15.	*L. sericeus* (Say, 1824)	1	3	4
16.	*Limnephilus* sp.	-	1	1
17.	*Pseudostenophylax riedeli* Botosaneanu, 1970	-	2	2
	Family Uenoidae			
18.	*Neophylax ussuriensis* (Martynov, 1914)	-	1	1
	Family Molannidae			
19.	*Molanna moesta* Banks, 1926	-	1	1
	Family Lepidostomatidae			
20.	*Goerodes albardanus* (Ulmer, 1906)	16	5	21
21.	*G. elongatus* (Martynov, 1935)	4	4	8
	Family Leptoceridae			
22.	*Ceraclea* sp.	-	1	1
	Total:	138	140	278

The number of specimens of Trichoptera in the canopy and ground zones in plot is almost the same, but number of species is quite differ: 20 species occurred in ground zone, and only 11 ones in canopy zone.

Three species are firstly mentioned from Ussuriisky Reserve: *Limnephilus correptus* McL., 1880, *Pseudostenophylax riedeli* Botosaneanu, 1970, and *Molanna moesta* Banks, 1926.

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2. Vshivkova, T.S. 1995. Hydrobiological investigations in Ussuri Nature Reserve. Part I. Freshwater fauna. Vladivostok. 40 p. (In Russian)

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