

Appendix. List of the wood-inhabiting fauna (numbers per m²) found on in-stream wood and incubated alder branches. Numbers of sampling dates on which the particular taxon was found are displayed in parentheses behind invertebrate numbers of incubated branches.

I = Imago; L = Larva. Abbreviations for the streams were given in Materials and methods, In = incubation experiment.

Taxon	Upland streams					Lowland streams				
	L	B	S	H	In	V	GB	E	GX	In
Nematoda		165		16	503 (10)		106	147		1000 (10)
Hydrozoa					10 (4)				17	
Plathelminthes										
<i>Dugesia gonocephala</i>	2	3	3		13 (6)				2	
<i>Dugesia lugubris</i>		3				3	2	4		
Annelida										
Oligochaeta	9	26	58		178 (10)			423		847 (10)
Enchytraeidae	22	6	2				6	28	9	
Lumbriculidae	41		36			39	4	32	2	
Naididae	14	70	11	39		927	7	38	548	
Tubificidae	5	48	26	174		106	14	74	16	
Hirudinea										
<i>Erpobdella octoculata</i>						7	71	4	2	
<i>Glossiphonia complanata</i>							2			
Mollusca										
Bivalvia										
<i>Pisidium henslowanum</i>							3			18 (5)
<i>Sphaerium corneum</i>		9						3		
Gastropoda										
<i>Acroloxus lacustris</i>							2			
<i>Ancylus fluviatilis</i>		3	11	4	7 (1)					18 (3)
<i>Potamopyrgus antipodarum</i>			1				601	3		
<i>Valvata</i> sp.					32 (7)					
Crustacea										
<i>Asellus aquaticus</i>							27	10		
<i>Gammarus fossarum</i>		48								
<i>Gammarus pulex</i>		3				43		46	4	241 (10)
<i>Proasellus coxalis</i>						11				
Cladocera					11 (7)					17 (6)
Copepoda					81 (10)	7	244			123 (10)
Ostracoda		3	3		32 (10)	2	56			12 (8)
Arachnida										
Hydrachnida		79	230	108	44 (8)	461	138	129	108	91 (10)
Insecta										
Ephemeroptera juv.		3	31	16	51 (8)	19		10	2	71 (10)
Baetidae juv.	2	7	6	25	117 (7)			2		151 (7)
<i>Baetis digitatus</i>				2						
<i>Baetis niger</i>	16				34 (6)					
<i>Baetis rhodani</i>					38 (6)					10 (1)
<i>Baetis vernus</i>										15 (5)
<i>Caenis</i> sp.				6				63		
<i>Caenis luctuosa</i>						26				
<i>Centroptilum luteolum</i>		73	7	8	13 (3)			20		
<i>Ecdyonurus venosus</i>		9								
<i>Ephemera danica</i>				5						7 (4)
<i>Ephemerella ignita</i>					15 (3)					
<i>Habroleptoides modesta</i>		20		26						
<i>Habrophlebia fusca</i>		3				4				
<i>Habrophlebia lauta</i>	2		26	41	25 (5)	17			13	
<i>Heptagenia</i> spp.					6 (2)			24		43 (10)
<i>Heptagenia sulphurea</i>								73		
Leptophlebiidae juv.			12				8	4		
<i>Paraleptophlebia cincta</i>	2	5		2						
<i>Paraleptophlebia submarginata</i>			5	27				4		

Appendix. (Continued).

Taxon	Upland streams					Lowland streams				
	L	B	S	H	In	V	GB	E	GX	In
Plecoptera										
<i>Amphinemura standfussi</i>						8			279	
<i>Amphinemura triangularis</i>	13				8 (3)					
<i>Brachyptera seticornis</i>	4									
<i>Isoperla grammatica</i>	6				39 (8)					16 (6)
<i>Leuctra hippopus</i>	12									
<i>Leuctra inermis</i>	2									
<i>Leuctra</i> sp.	12		14	24	101 (9)					
<i>Nemoura cambrica</i>		15								
<i>Nemoura cinerea</i>	8	3	10	23				1	79	
<i>Nemoura flexuosa</i>	67									
<i>Nemoura</i> sp.	5			7	486 (10)				30	15 (7)
Nemouridae juv.	18	3	5		125 (8)				21	14 (4)
<i>Protonemura intricata</i>	14									
<i>Protonemura</i> sp.	63				126 (8)					12 (1)
Heteroptera (L)										
		3								
Megaloptera										
<i>Sialis fuliginosa</i>		3	4							
Coleoptera										
<i>Agabus</i> sp. (L)									2	
<i>Dryops</i> sp. (L)						1			9	
Elmidae juv.				4	8 (3)	22		19		75 (10)
<i>Elmis aenea</i> (I)			5	4		24	2	4		
<i>Elmis maugetii</i> (I)		3								
<i>Elmis</i> sp. (L)	2		20	12		38		27	4	
<i>Elodes</i> sp. (L)	7						6	1		
<i>Esolus parallelepipedus</i> (I)				2						
<i>Hydraena riparia</i> (I)				2			2	4	2	
<i>Limnius volckmarii</i>				10		3				
<i>Oulimnius</i> sp. (L)			314	19		8		19	4	
<i>Oulimnius tuberculatus</i> (I)			69	2		23		4		
<i>Orectochilus villosus</i> (L)	2		5			77		20		47 (9)
<i>Platambus maculatus</i> (L)							45			
<i>Pomantinus substriatus</i> (I)								2		
Trichoptera										
<i>Agapetus fuscipes</i>		6								
<i>Athripsodes albifrons</i>						51		6		
<i>Athripsodes bilineatus</i>				63		17				
<i>Chaetopteryx villosa</i>		9			31 (3)	0				
<i>Cyrnus trimaculatus</i>						4		4		
<i>Hydropsyche angustipennis</i>						5				
<i>Hydropsyche pellucidula</i>								7		
<i>Hydropsyche siltalai</i>						111				
<i>Hydropsyche</i> spp.					7 (4)	190		33		128 (9)
<i>Hydroptilla</i> sp.						1				
<i>Lepidostoma hirtum</i>			7	108						
Leptoceridae juv.								3		7 (8)
Limnephilidae juv.		11	5	6	19 (7)				4	7 (4)
<i>Lype phaeopa</i>	5	8	19	4		1095		411	53	
<i>Lype reducta</i>		28		13					264	
<i>Lype</i> spp.		5	14	12	24 (3)		163	1		475 (10)
<i>Mystacides longicornis</i>						4				
<i>Oecetis testacea</i>				13						
<i>Plectrocnemia conspersa</i>	2		18	8	8 (5)			7	20	7 (5)
Polycentropodidae juv.				4	6 (3)	2		37		13 (5)
<i>Polycentropus</i> spp.										16 (7)
<i>Polycentropus flavomaculatus</i>			38	11						
<i>Polycentropus irroratus</i>				8						
<i>Potamophylax</i> sp.					14 (5)					13 (2)

Appendix. (Continued).

Taxon	Upland streams					Lowland streams				
	L	B	S	H	In	V	GB	E	GX	In
<i>Rhyacophila dorsalis</i>						6				
<i>Rhyacophila</i> sp.					29 (7)					
<i>Sericostoma</i> sp.				25						
Diptera										
<i>Antocha</i> sp.						4				
<i>Atherix ibis</i>	6			12						
<i>Austrolimmophila</i> sp.								3		
<i>Brillia longifurca</i>		67								
<i>Brillia modesta</i>	78	87								
Ceratopogonidae	12	12	46	6		11	15	15	10	
Chironomini	2	42	35	56	742 (10)	293	191	47	319	2864 (10)
<i>Chrysophilus</i> sp.								4		
<i>Dicranota</i> sp.	4				8 (4)		5			5 (2)
Empididae	27	16	67	2	126 (10)	59	44	51	6	10 (4)
Limoniidae juv.		9		8		2		11		
<i>Lipsothrix</i> sp.	167	27								
<i>Molophilus</i> sp.								5		
Orthocladiinae	220	1015	106	20	5040 (10)	1358	9	33	8110	5223 (10)
Prodiamesinae					59 (4)					33 (5)
Psychodidae	2	6			5 (1)	31	20	35		7 (4)
<i>Rhabdomastix</i> sp.							5	4		
<i>Rhypholophus</i> sp.									4	
Simuliidae juv.	4				99 (8)				20	6 (2)
<i>Stenochironomus</i> sp.			47	7			9	25		
Stratiomyidae juv.			5							
<i>Symposiocladius lignicola</i>	10		11							
Tanypodinae	41	18	554	514	288 (10)	29	85	10	11	138 (5)
Tanytarsini	4	73	340	57	420 (10)	2519	40	20	189	1896 (10)
<i>Tipula</i> sp.								2		