

	1996	1997	1999	2000	2001
<i>Luscinia megarhynchos</i>	38	31	36	45	39
<i>Sylvia atricapilla</i>	18	17	33	37	40
<i>Passer montanus</i>	27	25	28	23	29
<i>Fringilla coelebs</i>	15	17	28	28	35
<i>Hippolais icterina</i>	11	13	19	19	24
<i>Parus major</i>	8	9	11	13	12
<i>Lanius collurio</i>	8	8	5	7	14
<i>Oriolus oriolus</i>	5	7	8	9	8
<i>Turdus merula</i>	6	4	10	6	7
<i>Columba palumbus</i>	7	5	6	5	6
<i>Phasianus colchicus</i>	4	7	7	6	4
<i>Carduelis carduelis</i>	5	2	6	6	7
<i>Sylvia communis</i>	5	4	5	5	7
<i>Sturnus vulgaris</i>	5	3	4	3	8
<i>Carduelis chloris</i>	5	5	3	4	4
<i>Streptopelia turtur</i>	4	4	4	5	3
<i>Serinus serinus</i>	3	4	4	1	5
<i>Falco tinnunculus</i>	2	1	3	1	2
<i>Pica pica</i>	3		2	1	
<i>Turdus philomelos</i>	1	1	1	2	1
<i>Asio otus</i>	1	1	1	1	1
<i>Acrocephalus palustris</i>	1		1	1	1
<i>Emberiza citrinella</i>	3	1			
<i>Parus caeruleus</i>	1	1	1	1	
<i>Motacilla alba</i>			1	1	1
<i>Buteo buteo</i>				1	1
<i>Sylvia nisoria</i>	1	1			
<i>Dendrocopos syriacus</i>				1	
<i>Lanius minor</i>					1
<i>Muscicapa striata</i>			1		

	Počet párov				
	1996	1997	1999	2000	2001
<i>Luscinia megarhynchos</i>	38	31	36	45	39
<i>Sylvia atricapilla</i>	18	17	33	37	40
<i>Passer montanus</i>	27	25	28	23	29
<i>Fringilla coelebs</i>	15	17	28	28	35
<i>Hippolais icterina</i>	11	13	19	19	24
<i>Parus major</i>	8	9	11	13	12
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<i>Oriolus oriolus</i>	5	7	8	9	8
<i>Turdus merula</i>	6	4	10	6	7
<i>Columba palumbus</i>	7	5	6	5	6
<i>Phasianus colchicus</i>	4	7	7	6	4
<i>Carduelis carduelis</i>	5	2	6	6	7
<i>Sylvia communis</i>	5	4	5	5	7
<i>Sturnus vulgaris</i>	5	3	4	3	8
<i>Carduelis chloris</i>	5	5	3	4	4
<i>Streptopelia turtur</i>	4	4	4	5	3
<i>Serinus serinus</i>	3	4	4	1	5
<i>Falco tinnunculus</i>	2	1	3	1	2
<i>Pica pica</i>	3		2	1	
<i>Turdus philomelos</i>	1	1	1	2	1
<i>Asio otus</i>	1	1	1	1	1
<i>Acrocephalus palustris</i>	1		1	1	1
<i>Emberiza citrinella</i>	3	1			
<i>Parus caeruleus</i>	1	1	1	1	
<i>Motacilla alba</i>			1	1	1
<i>Buteo buteo</i>				1	1
<i>Sylvia nisoria</i>	1	1			
<i>Dendrocopos syriacus</i>				1	
<i>Lanius minor</i>					1
<i>Muscicapa striata</i>			1		

Species	Hlu1	Hlu2	Hlu3	Stu1	Stu1*
<i>Alainites muticus</i> (Linnaeus, 1758)	0	2	0	1	0
<i>B. melanonyx</i> (Pictet, 1843)	0	6	11	0	2
<i>B. rhodani</i> (Pictet, 1843)	0	158	20	42	42
<i>B. vernus</i>	0	0	0	0	0
<i>Baetis alpinus</i> (Pictet, 1843)	12	87	16	6	35
<i>E. macani</i> Thomas et Sowa, 1971	0	0	1	0	0
<i>E. mucronata</i> (Bengtsson, 1909)	0	0	23	0	0
<i>E. picteti</i>	0	2	0	0	0
<i>E. subalpinus</i> Klapálek, 1905	4	7	0	10	0
<i>E. torrentis</i> Kimmins, 1842	0	0	0	0	0
<i>E. venosus</i> (Fabricius, 1775)	0	0	0	0	0
<i>Ecdyonurus cf. parahelveticus</i>	0	1	0	0	11
<i>Ecdyonurus helveticus</i> gr. juv.	1	20	29	30	13
<i>Ecdyonurus</i> sp. juv.	0	0	0	0	0
<i>Epeorus sylvicola</i> (Pictet, 1865)	0	0	19	21	1
<i>Ephemera danica</i> Linnaeus, 1758	0	0	4	0	0
<i>Habroleptoides confusa</i> Sartori et al.	0	19	89	0	0
<i>R. carpatoalpina</i> Klonowska et al.	0	93	56	14	28
<i>R. gorganica</i> Klapálek, 1907	132	2	4	17	53
<i>R. picteti</i> (Sowa, 1971)	0	211	38	120	79
<i>R. semicolorata</i>	0	0	0	1	0
<i>Rhithrogena carpatoalpina</i> gr. juv.	4	240	478	30	24
<i>Seratella ignita</i> (Poda, 1761)	0	0	34	0	0

Stu2	Stu3	Kam
0	16	0
0	1	2
6	49	14
0	1	5
7	51	21
0	1	0
0	2	0
0	0	0
0	0	2
0	1	0
1	1	0
0	1	3
3	6	3
0	1	0
7	42	0
0	0	0
32	68	0
4	5	0
0	1	29
43	245	0
0	1	0
120	61	1
0	4	0

	Počet párov				
	1996	1997	1999	2000	2001
<i>Luscinia megarhynchos</i>	38	31	36	45	39
<i>Sylvia atricapilla</i>	18	17	33	37	40
<i>Passer montanus</i>	27	25	28	23	29
<i>Fringilla coelebs</i>	15	17	28	28	35
<i>Hippolais icterina</i>	11	13	19	19	24
<i>Parus major</i>	8	9	11	13	12
<i>Lanius collurio</i>	8	8	5	7	14
<i>Oriolus oriolus</i>	5	7	8	9	8
<i>Turdus merula</i>	6	4	10	6	7
<i>Columba palumbus</i>	7	5	6	5	6
<i>Phasianus colchicus</i>	4	7	7	6	4
<i>Carduelis carduelis</i>	5	2	6	6	7
<i>Sylvia communis</i>	5	4	5	5	7
<i>Sturnus vulgaris</i>	5	3	4	3	8
<i>Carduelis chloris</i>	5	5	3	4	4
<i>Streptopelia turtur</i>	4	4	4	5	3
<i>Serinus serinus</i>	3	4	4	1	5
<i>Falco tinnunculus</i>	2	1	3	1	2
<i>Pica pica</i>	3		2	1	
<i>Turdus philomelos</i>	1	1	1	2	1
<i>Asio otus</i>	1	1	1	1	1
<i>Acrocephalus palustris</i>	1		1	1	1
<i>Emberiza citrinella</i>	3	1			
<i>Parus caeruleus</i>	1	1	1	1	
<i>Motacilla alba</i>			1	1	1
<i>Buteo buteo</i>				1	1
<i>Sylvia nisoria</i>	1	1			
<i>Dendrocopos syriacus</i>				1	
<i>Lanius minor</i>					1
<i>Muscicapa striata</i>			1		

<i>N - počet jedincov</i>	187	171	228	232	260
<i>S - počet druhov</i>	25	23	25	26	24

<i>Margalef</i>	4.587938	4.278771	4.420422	4.589904	4.136184
<i>Menhinick</i>	1.828181	1.758854	1.655665	1.706984	1.488417

<i>Nmax - druh s najv. poctom</i>	38	31	36	45	40
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<i>d - Berger Parker index</i>	0.203209	0.181287	0.157895	0.193966	0.153846
<i>1 - d</i>	0.796791	0.818713	0.842105	0.806034	0.846154

	Počet párov		Shannon i
	1996		
<i>Luscinia megarhynchos</i>	38	0.040423	-0.32382
<i>Sylvia atricapilla</i>	18	0.008798	-0.22531
<i>Passer montanus</i>	27	0.020183	-0.27942
<i>Fringilla coelebs</i>	15	0.006038	-0.20238
<i>Hippolais icterina</i>	11	0.003163	-0.16666
<i>Parus major</i>	8	0.00161	-0.13483
<i>Lanius collurio</i>	8	0.00161	-0.13483
<i>Oriolus oriolus</i>	5	0.000575	-0.09684
<i>Turdus merula</i>	6	0.000863	-0.11035
<i>Columba palumbus</i>	7	0.001208	-0.12298
<i>Phasianus colchicus</i>	4	0.000345	-0.08224
<i>Carduelis carduelis</i>	5	0.000575	-0.09684
<i>Sylvia communis</i>	5	0.000575	-0.09684
<i>Sturnus vulgaris</i>	5	0.000575	-0.09684
<i>Carduelis chloris</i>	5	0.000575	-0.09684
<i>Streptopelia turtur</i>	4	0.000345	-0.08224
<i>Serinus serinus</i>	3	0.000173	-0.0663
<i>Falco tinnunculus</i>	2	5.75E-05	-0.04853
<i>Pica pica</i>	3	0.000173	-0.0663
<i>Turdus philomelos</i>	1	0	-0.02797
<i>Asio otus</i>	1	0	-0.02797
<i>Acrocephalus palustris</i>	1	0	-0.02797
<i>Emberiza citrinella</i>	3	0.000173	-0.0663
<i>Parus caeruleus</i>	1	0	-0.02797
<i>Motacilla alba</i>		0	
<i>Buteo buteo</i>			
<i>Sylvia nisoria</i>	1	0	-0.02797
<i>Dendrocopos syriacus</i>		0	
<i>Lanius minor</i>		0	
<i>Muscicapa striata</i>		0	

N - počet jedincov 187
S - počet druhov 25

Margalef 4.587938
Menhinick 1.828181

*N*_{max} - druh s najv. počtom 38

d - Berger Parker index 0.203209
1 - *d* 0.796791

D - Simpson index 0.088034
1 - *D* 0.911966

Shannon index (ln) 2.736546
Shannon evenness 0.850156

ndex

Species	Hlu2	HLU 2	
		pi	ln(pi)
<i>Alainites muticus</i> (Linnaeus, 1758)	2	0.002358	-6.04973
<i>B. melanonyx</i> (Pictet, 1843)	6	0.007075	-4.95112
<i>B. rhodani</i> (Pictet, 1843)	158	0.186321	-1.68029
<i>B. vernus</i>	0	0	
<i>Baetis alpinus</i> (Pictet, 1843)	87	0.102594	-2.27697
<i>E. macani</i> Thomas et Sowa, 1970	0	0	
<i>E. mucronata</i> (Bengtsson, 1909)	0	0	
<i>E. picteti</i>	2	0.002358	-6.04973
<i>E. subalpinus</i> Klapálek, 1905	7	0.008255	-4.79697
<i>E. torrentis</i> Kimmins, 1842	0	0	
<i>E. venosus</i> (Fabricius, 1775)	0	0	
<i>Ecdyonurus cf. parahelvicus</i>	1	0.001179	-6.74288
<i>Ecdyonurus helveticus</i> gr. juv.	20	0.023585	-3.74715
<i>Ecdyonurus</i> sp. juv.	0	0	
<i>Epeorus sylvicola</i> (Pictet, 1865)	0	0	
<i>Ephemera danica</i> Linnaeus, 1758	0	0	
<i>Habroleptoides confusa</i> Sartori et Jacob, 1986	19	0.022406	-3.79844
<i>R. carpatoalpina</i> Klonowska et al., 1984	93	0.10967	-2.21028
<i>R. gorganica</i> Klapálek, 1907	2	0.002358	-6.04973
<i>R. picteti</i> (Sowa, 1971)	211	0.248821	-1.39102
<i>R. semicolorata</i>	0	0	
<i>Rhithrogena carpatoalpina</i> gr. juv.	240	0.283019	-1.26224
<i>Seratella ignita</i> (Poda, 1761)	0	0	

S

13

N

848

Shannon index (ln)

HLU 2

H' 2

VarH Hlu2

			STU 1				
pi*ln(pi)	pi*(ln(pi))2	Stu1	pi	ln(pi)	pi*ln(pi)	pi*(ln(pi))2	
-0.01427	0.086319045		1	0.003425	-5.676753802	-0.01944	0.110361
-0.03503	0.173445289		0	0		0	0
-0.31307	0.526050511		42	0.143836	-1.939084184	-0.27891	0.540829
	0		0	0		0	0
-0.2336	0.531911008		6	0.020548	-3.884994333	-0.07983	0.310134
	0		0	0		0	0
	0		0	0		0	0
-0.01427	0.086319045		0	0		0	0
-0.0396	0.18994868		10	0.034247	-3.374168709	-0.11555	0.389898
	0		0	0		0	0
	0		0	0		0	0
-0.00795	0.053616084		0	0		0	0
-0.08838	0.331158511		30	0.10274	-2.275556421	-0.23379	0.532002
	0		0	0		0	0
	0		21	0.071918	-2.632231365	-0.1893	0.498293
	0		0	0		0	0
-0.08511	0.323272431		0	0		0	0
-0.2424	0.535774615		14	0.047945	-3.037696473	-0.14564	0.442419
-0.01427	0.086319045		17	0.058219	-2.843540458	-0.16555	0.470744
-0.34612	0.481454127		120	0.410959	-0.889262059	-0.36545	0.324981
	0		1	0.003425	-5.676753802	-0.01944	0.110361
-0.35724	0.450920983		30	0.10274	-2.275556421	-0.23379	0.532002
	0		0	0		0	0
	3.856509373						4.262025

11
292

1.791299
3.208753

STU 1
H' 2

1.8467
3.4103

0.000756

VarH Stu1

0.002858

t -0.921583229
df citatel
1.30592E-05
df 455.805728

menovatel 1
6.73125E-10

menovatel 2
2.79776E-08