Supplementary Material

Ecology and Genetics of Cyperus fuscus in Central Europe—A Model for Ephemeral Wetland Plant Research and Conservation

Pavel Kúr, Soňa Píšová, Karin Tremetsberger *, Pavel Dřevojan, Zygmunt Kącki, Jörg Böckelmann, Karl-Georg Bernhardt, Zdenka Hroudová, Attila Mesterházy and Kateřina Šumberová

* Correspondence: karin.tremetsberger@boku.ac.at; Tel.: +43-1-47654-83113

Table S5. Percentage synoptic table of the vegetation with *Cyperus fuscus* (full version). Columns 1–10 communities of the class Isoëto-Nanojuncetea (1–3 higher syntaxa, 4–10 associations), columns 11–21 other classes: (1) Isoëto-Nanojuncetea (relevés classified only to the class level); (2) Eleocharition soloniensis (relevés classified only to the alliance level); (3) Verbenion supinae (relevés classified only to the alliance level); (4) Polygono-Eleocharitetum ovatae; (5) Cyperetum micheliani; (6) Cerastio-Ranunculetum sardoi; (7) Veronico anagalloidis-Lythretum hyssopifoliae; (8) Cyperetum flavescentis; (9) Pulicario-Menthetum; (10) Eleocharito-Schoenoplectetum supini; (11) Bidentetea tripartitae; (12) Phragmito-Magnocaricetea; (13) Molinio-Arrhenatheretea; (14) Scheuchzerio-Caricetea nigrae; (15) Crypsietea aculeatae; (16) Potamogetonetea; (17) Festuco-Puccinellietea; (18) Charetea intermediae; (19) Papaveretea rhoeadis; (20) Littorelletea uniflorae; (21) Epilobietea angustifolii. Layers: 6—herb layer, 7—juvenile trees and shrubs, 9—bryophyte and algal layer. Diagnostic species are listed according to relevant classes including their subordinate units.

Vegetation units	**Layer**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**
Number of relevés		59	93	8	103	329	5	8	6	8	3	109	73	9	5	5	4	4	2	2	1	1
Isoëto-Nanojuncetea																						
Cyperus fuscus	6	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**
Plantago major subsp. *intermedia*	6	61	59	88	28	50	100	13	33	50		54	16	11	40	60	25			100		
Gnaphalium uliginosum	6	64	45	63	49	50	100	13		63		38	16							50		
Juncus bufonius	6	51	53	63	45	38			17	50		28	12	22						50		
Limosella aquatica	6	22		75	36	50				13		16	12	11			50					
Eleocharis acicularis	6	39	34	50	32	25				25	33	3	8				25					
Potentilla supina	6	10		63	21	27	40	63	17	13		25	7		20	60		50		50		
Eleocharis ovata	6	5	12		91	10			17			4	5								100	
Carex bohemica	6	8	9		82	5		13				7	4				50					
Lythrum portula	6	17	31	38	29	17					33	1	3							50		
Riccia cavernosa/crystallina	9	17	13	13	9	14	80		17	13		1	4									

Vegetation units	**L.**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**
Lindernia procumbens	6	8	5		17	5				25	33		3									
Pulicaria vulgaris	6	7	10	13		2				100		6		11				25				
Lythrum hyssopifolia	6	5	1	100		2	40			13	33	3	4									
Veronica anagalloides	6		2	13	1	2	60	38				5	3			40						
Juncus ranarius	6	3	3	13		1	100	100				4		11	20			25				
Veronica catenata	6	3	6		1	3		38				2	3		20		25					
Centaurium pulchellum	6	5		63		1	100		17			3										
Cyperus michelianus	6	2	3		5	3				13								25				
Mentha pulegium	6	7	1	38		2				38			1	11				25				
Spergularia echinosperma s. l.	6	2	1		5	4																
Elatine hydropiper	6				12	2											25					
Lindernia dubia	6		11		7	1			17													
Cyperus flavescens	6		5	25	1				100	13												
Isolepis setacea	6	3	4	13	3	2																
Crassula aquatica	6		6		3	2			17													
Ranunculus sardous	6	5		13		1	100			13												
Elatine triandra	6				8	1							3									
Gypsophila muralis	6	12				1					33											
Myosurus minimus	6	2		13		1	100															
Schoenoplectus supinus	6	2		13							67		3									
Cerastium dubium	6			13			100															
Elatine sp.	6				4						33											
Riccia glauca	9				2	1				13												
Spergularia rubra	6	2										1										
Cyperus esculentus	6	7																				
Elatine alsinastrum	6	3		13							33											
Sagina nodosa	6	2				1																
Juncus tenageia	6		1	25		1																
Elatine hexandra	6				3	1																
Riccia beyrichiana	9	5																				
Cardamine parviflora	6		1		2																	
Riccia huebeneriana	9				2																	
Gratiola neglecta	6				1								1									
Coleanthus subtilis	6				2																	

Vegetation units	**L.**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**
Riccia sorocarpa	9					1																
Juncus capitatus	6					1																
Veronica peregrina	6					1																
Bidentetea																						
Persicaria lapathifolia s. l. (excl. *P. lapathifolia* subsp. *brittingeri*)	6	44	55	38	58	50		88	17	63		61	42	33	40	20	25	25		100	100	100
Rumex maritimus	6	19	33		60	45		38		50		67	47	33	60	40	25	50		50		100
Rorippa palustris	6	46	46	25	52	48	60	38	17			51	29	22	20		50			50		100
Ranunculus sceleratus	6	15	28	25	42	36		63	17	38		36	22	11	20		50	25			100	100
Persicaria hydropiper	6	31	29	38	31	24				25		39	34	22					50	50		100
Bidens tripartitus	6	29	30	50	17	26			33	63	33	36	23	11				25		50	100	100
Alopecurus aequalis	6	25	26	50	51	20		50		25	33	21	19	22	60			25		50		
Oxybasis rubra	6	14	18	25	17	23		50		13		48	26		20	40		25				
Bidens frondosus	6	19	16		12	17				25		40	23	11	20					50	100	
Bidens radiatus	6	10	13		24	10				13		10	16									
Oxybasis glauca	6	8	13	25	8	10	60			25		23	3			40		25				
Bidens cernuus	6	7	10	13	17	9				25		15	7	22						50		
Persicaria maculosa	6	7	4		5	13			17			14	8			20		25			100	
Persicaria minor	6	12	22		8	9				25	33	4	5							50		
Lipandra polysperma	6	12	8		6	6						24	8					25		50		
Atriplex prostrata	6	3	3		4	5		13		25		25	5			60	25	25				
Persicaria dubia	6	2	4	13		8						5	1		20							
Xanthium orientale agg.	6	5	2	13		4						9	5									
Chenopodium ficifolium	6	7	3	13	6	2						7	1			40						
Persicaria lapathifolia subsp. *brittingeri*	6	5		25		1						10	3									
Crypsis alopecuroides	6					1				13			1									
Oxybasis chenopodioides	6											1				60		25				
Rumex palustris	6			13	1							1	1									
Eragrostis pilosa	6					1				13		1										
Corrigiola litoralis	6					1						1										
Solanum lycopersicum	6											2										
Rumex stenophyllus	6		1																			
Eragrostis multicaulis	6					1																

Vegetation units	**L.**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**
Phragmito-Magnocaricetea																						
Veronica anagallis-aquatica	6	25	34	63	33	30		50		50		32	22	11	40	20	25	25		50	100	
Alisma plantago-aquatica	6	29	27	50	40	24			17	38	33	13	52	22	20		50		50		100	100
Leersia oryzoides	6	31	37		23	25			17	13		8	30		20					50		
Oenanthe aquatica	6	12	14	13	34	19		50		38		32	27	11	60		50	50			100	
Rorippa amphibia	6	10	10	38	4	19				38		34	26	22				25				
Bolboschoenus maritimus agg.	6	3	13	13	14	12		38	17	13	67	12	34	11	40	60		100		50		
Phalaroides arundinacea	6	8	8	13	9	12				13		31	21	22	20		25					100
Eleocharis palustris agg.	6	29	15		4	17				25	33	8	11					25			100	
Typha latifolia	6	3	11	13	19	12					100	15	19	11	20		25					
Phragmites australis	6	3	10		16	8		38				17	12	22	20	40		25			100	
Typha angustifolia	6	2	6		17	5		38				7	8	11	20			25	50			
Poa palustris	6	5	4	25	11	5						11	5	11	20							
Veronica beccabunga	6	5	4		6	6			33			5	5	11					100		100	
Butomus umbellatus	6	3	2		1	2						12	11				25					
Carex acuta	6	7	6		2	3						3	1	22								
Glyceria maxima	6	8	1		2	2				13		2	8				25					
Mentha aquatica	6	2	3	13		3						3	4									
Alisma gramineum	6	7	1		4	1					67		5									
Schoenoplectus lacustris subsp. *glaucus*	6		2			2		13				3	7			20		25				
Glyceria fluitans	6	2	1	13	1	1				25		2	5		20							
Typha sp.	6	3	2		6	1						1										
Glyceria notata	6	3	1			1			83			3	3									
Schoenoplectus lacustris	6	5	2		2	1						1	4				25					
Scirpus radicans	6		1		5	1							4								100	
Sparganium erectum agg.	6	2	1		1	1					33	2	7									
Equisetum fluviatile	6	2	2			1						1	5	11								
Alisma lanceolatum	6	2	1			1						4	4									
Sagittaria sagittifolia	6	2			1	1							5				25		50			
Berula erecta	6	2				2						1	5									
Rumex hydrolapathum	6	2				1						4	1	11								
Carex pseudocyperus	6		1		1	2						1										
Iris pseudacorus	6				2	1				13		1	4									

Vegetation units	**L.**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**
Hippuris vulgaris	6					2							4									
Scutellaria galericulata	6		2	13	1	1						1	1									
Glyceria declinata	6	5			1	1																
Scrophularia umbrosa	6	2				1						1	1						50			
Glyceria sp.	6				1	1						1										
Sparganium emersum	6	2			1							2	1									
Carex riparia	6					1						1	1									
Carex vulpina s. l.	6		1			1							1	11				25				
Carex vesicaria	6				1	1							3									
Lysimachia thyrsiflora	6		1			1							1									
Sium latifolium	6	2											1									
Acorus calamus	6		1										1									
Carex acutiformis	6													22								
Alisma sp.	6													11		20						
Nasturtium officinale	6		1																			
Calamagrostis canescens	6				1																	
Helosciadium repens	6					1																
Carex elata	6					1																
Teucrium scordium	6		1																			
Carex buekii	6											1										
Cicuta virosa	6												1									
Veronica scardica	6												1									
Molinio-Arrhenatheretea																						
Lythrum salicaria	6	19	33		36	26				38		22	25	56		20					100	
Taraxacum sect. *Ruderalia*	6	20	24		29	16		38		13		20	8	33	20	20	75	25				
Agrostis stolonifera	6	31	22	75	8	16		13	50	75		17	12	44	20	40		25				
Juncus effusus	6		10		29	8						11	5	22								
Trifolium hybridum	6	15	18	25	17	8				13	33	5	4	11				25				
Myosotis palustris agg.	6	20	14	13	8	8			17	13		8	11	11								
Trifolium repens	6	10	15	13	12	6			33	13		12	1	33						50		
Juncus compressus	6	12	9	38	2	7		13	67	13		6	7	22	20	40		50				
Argentina anserina	6	5	12	50		7	20	13		50		10	7									
Rorippa sylvestris	6	10	4	25		9				25		6	8	22	20			25				
Ranunculus repens	6	10	5	25	5	6					33	9	4	33	20							

Vegetation units	**L.**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**
Alopecurus geniculatus	6	12	4	13	6	6	60					4	5									
Poa trivialis	6	3	1		3	2						11	3	33	20		25					
Juncus inflexus	6	3	5		2	4						4	1	44	20							
Rumex crispus	6	3	9	38	2	1						4		11	20							
Carex hirta	6	3	2	25	2	3						2	1		20							
Potentilla reptans	6	3	2	38		3				13		1	1					25				
Achillea millefolium agg.	6	3	3		3	2						2		11			25			50		
Equisetum palustre	6	2	5			2						1	1	22								
Scirpus sylvaticus	6	2	1		4	1						2	3	11								
Lysimachia vulgaris	6				3	1						1	3								100	
Inula britannica	6	2	1							13		4				20		25				
Plantago lanceolata	6	2	2			1						2		11								
Prunella vulgaris	6		2	13	1	1								22								
Gratiola officinalis	6	3	1			1					33											
Lolium perenne	6		2			1						2		11						50		
Mentha longifolia	6					1						2	1	11								
Cerastium fontanum subsp. *vulgare*	6	2				1																
Poa pratensis	6	3		13								1					25					
Schedonorus pratensis agg.	6	2	1									1	1	11								
Daucus carota	6		2	13		1								11								
Cirsium palustre	6	3				1																
Scorzoneroides autumnalis	6	2	2			1																
Vicia cracca	6	5										1										
Agrostis gigantea	6		1		2	1																
Lythrum virgatum	6	2				1												25				
Holcus lanatus	6		1		1										20							
Filipendula ulmaria	6		1											11								
Leucanthemum vulgare agg.	6					1																
Dactylis glomerata	6				1	1																
Caltha palustris	6					1								11								
Cardamine pratensis	6				1	1																
Rumex acetosa	6	2				1																
Phleum pratense	6	2										1										

Vegetation units	L.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cirsium canum	6		1											11								
Crepis biennis	6	2	1																			
Carex distans	6												1	11								
Blysmus compressus	6		1											11								
Ranunculus acris	6								33													
Deschampsia cespitosa	6													22								
Carex panicea	6													22								
Alopecurus pratensis	6				1																	
Lolium multiflorum	6				1																	
Lathyrus pratensis	6					1																
Trifolium dubium	6				1																	
Juncus conglomeratus	6		1																			
Lotus pedunculatus	6					1																
Silaum silaus	6									13												
Centaurea jacea agg.	6	2																				
Juncus atratus	6	2																				
Scutellaria hastifolia	6			13																		
Juncus subnodulosus	6											1										
Veronica longifolia	6											1										
Agrostis capillaris	6												1									
Succisa pratensis	6													11								
Serratula tinctoria	6													11								
Valeriana officinalis	6													11								
Cirsium oleraceum	6													11								
Molinia caerulea s. l.	6													11								
Briza media	6													11								
Festuca rubra s. l.	6													11								
Cirsium rivulare	6													11								
Crepis paludosa	6													11								
Geum rivale	6													11								
Scheuchzerio-Caricetea																						
Juncus articulatus	6	34	35	38	45	29		75	100	38		15	29	56	100			50	50	50		
Veronica scutellata	6	2	2		6	2				13			3									
Carex flava agg.	6		3			1			67					11	20							

Vegetation units	**L.**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**
Ranunculus flammula	6	8	1		2	1							1									
Juncus alpinoarticulatus	6	5			1								1								100	
Eleocharis quinqueflora	6					1									20							
Eriophorum angustifolium	6					1								11								
Triglochin palustris	6													11	20							
Epipactis palustris	6					1																
Carex hostiana	6					1																
Eriophorum latifolium	6														20							
Valeriana dioica	6													11								
Parnassia palustris	6													11								
Carex davalliana	6													11								
Carex nigra	6													11								
Crypsietea																						
Crypsis schoenoides	6	3	3			1						1				60						
Crypsis aculeata	6															40						
Potamogetonetea																						
Callitriche palustris agg.	6	17	13		31	17					33	6	7									
Persicaria amphibia	6	14	4	13	1	5						9	10			20	25					
Ranunculus subgen. *Batrachium*	6	3	2		4	2						1	1									
Ranunculus circinatus	6	7	1			2		13		13												
Myriophyllum spicatum	6	3			5	2											25					
Ranunculus trichophyllus	6				5	1						1							50			
Potamogeton natans	6		1			1						1	3						50			
Ranunculus rionii	6					1						1										
Nuphar lutea	6											1										
Potamogeton crispus	6																25					
Nymphaea alba	6					1											25					
Ceratophyllum demersum	6					1																
Zannichellia palustris	6					1											25					
Callitriche hamulata	6				1																	
Stuckenia pectinata	6					1																
Ranunculus peltatus	6											1										
Ranunc. peltatus subsp. *baudotii*	6		1			2						1										
Nymphaea sp.	6																		50			

Vegetation units	L.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Festuco-Puccinellietea																						
Lotus tenuis	6	2	2			2		50				2	3					50				
Trifolium fragiferum	6	5	1			1		13				1			20			25				
Puccinellia distans	6	2	2			1				13		3	3		20							100
Melilotus dentatus	6		1			1						2	1			20		50				
Juncus gerardii	6					1				13			4					25				
Plantago major subsp. *winteri*	6					1						3						25				
Pulicaria dysenterica	6			25		1							1									
Samolus valerandi	6					1							1									
Carex secalina	6													11				25				
Tripolium pannonicum	6					1																
Charetea																						
Chara vulgaris	6		1									1	3		20				100			
Chara globularis	6					1																
Chara sp.	6					1							3	11								
Papaveretea																						
Echinochloa crus-galli	6	41	53	75	40	40		13	17	25	67	43	36	22	20	60	25	75		100	100	
Tripleurospermum inodorum	6	25	13	25	19	13	100	13		25		23	10		20	20		25		50		
Galinsoga quadriradiata	6	5	8		6	4						1								50		
Capsella bursa-pastoris	6	8		13	1	2						6										
Sonchus oleraceus	6	2			1	2						7								100		
Galinsoga parviflora	6	7				1						4										
Setaria pumila	6	2	3			1						1								50		
Digitaria sanguinalis	6		1		1	1						1	1									
Erysimum cheiranthoides	6	2				1						5										
Arabidopsis thaliana	6	2			2	1																
Thlaspi arvense	6				1			13				3										
Vicia tetrasperma	6		1									1								50		
Convolvulus arvensis	6											1								50		
Digitaria ischaemum	6				1	1																
Matricaria chamomilla	6		1			1																
Vicia villosa	6	5																				
Anagallis arvensis	6	5																				
Stellaria media s. l.	6											2	1									

Vegetation units	L.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Oxalis fontana	6	2	1																			
Myosotis arvensis	6		1																	50		
Anthemis arvensis	6			13						13												
Apera spica-venti	6							13														
Galium spurium	6					1																
Kickxia elatine	6																			50		
Geranium dissectum	6																			50		
Littorelletea																						
Juncus bulbosus	6	5	1		6	1						1	1								100	
Epilobietea																						
Urtica dioica	6	8	3		10	9				13		28	5	22	20		25			50		
Myosoton aquaticum	6	5	5	13	18	7				13		19	5	11	20		25	25		50		
Epilobium hirsutum	6	2	6		9	6						6	8									100
Symphyotrichum novi-belgii agg.	6	3	3			2				13		6	4									
Calystegia sepium	6					1						4	4									
Stachys palustris	6	3				1						6	1									
Epilobium parviflorum	6	2				1							4									
Eupatorium cannabinum	6					1								11								
Symphytum officinale	6					1						1										
Solidago gigantea	6				1	1															100	
Rubus caesius	6				2	1							1									
Humulus lupulus	6					1						2										
Carduus crispus	6					1						2										
Solidago canadensis	6				1	1																
Echinocystis lobata	6											2										
Aegopodium podagraria	6				1																	
Erechtites hieraciifolius	6				1																	
Impatiens glandulifera	6											1										
Sonchus palustris	6											1										
Geum urbanum	6											1										
Achillea salicifolia	6											1										
Cuscuta europaea	6											1										
Galium aparine	6					1														50		
Atriplex tatarica	6					1						5	1									

Vegetation units	L.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Solanum nigrum	6				2	1						3										
Geranium pusillum	6				3	1						1										
Atriplex patula	6	2	1									1								50		
Atriplex sagittata	6			13								1	1									
Others																						
Salix sp.	7	32	29	38	48	33		25				38	18	22			75	25			100	
Lycopus europaeus	6	12	15	13	20	17				25		18	18	22	20		25					
Nostoc sp.	9	22	14		13	14			17			4	3		20							
Polygonum aviculare agg.	6	10	5	13	7	10		13		25	33	19	8									
Epilobium ciliatum	6	10	15		20	8			17			5	5	11								
Plantago major	6	12	4	50	8	7			67	25	67	6	10	11				25				
Ochlopoa annua	6	7	17	13	5	6			17	13		9	3	22						50		
Epilobium sp.	6	12	12		7	8						4	5	22			25			50		
Sagina procumbens	6	12	15		5	8			17			5	3	11						50		
Bryum argenteum	9	15	10		6	9			17			6		11						50		
Lemna minor	6	7	2		7	6				25		3	12						50			
Cirsium arvense	6	8	1	13	2	5		13				11	4	11	40	40		25		50		
Epilobium tetragonum	6	7	3	13	3	3		38				10	3	11	40			25				
Chenopodium album agg.	6	8			3	2				13		15	1					25		50		
Mentha arvensis	6	8	3	50	3	2		13		13		4	3			20		25		50	100	
Artemisia vulgaris	6	3	2	13	4	3				13		8	4									
Spirodela polyrhiza	6	2	1		6	4			17			4	10				25					
Populus nigra s. l.	7		2	38	2	3		25				10	3		20			25				
Leptobryum pyriforme	9	8	4	13	3	4			17		33	3		11						50		
Erigeron canadensis	6	10	3		2	3		13				6	1		40			25				
Rumex obtusifolius	6	2	4	13	10	2						6										
Medicago lupulina	6	7	3	13	2	2		38				5			20			50		50		
Equisetum arvense	6	8	5			4				13		3	1		20							
Physcomitrium sp.	9		1		4	5						3	1	11	20							
Riccia sp.	9	7	3	13	6	3							1							50		
Matricaria discoidea	6	5	2		2	4				13		5										
Tussilago farfara	6		1		6	3						5		33						50		
Bryum sp.	9	8	4		6	2			33			1										
Physcomitrella patens	9	2	2	13	5	4						2										

Vegetation units	**L.**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**
Sonchus asper	6	2	2	13	2	3						6				20		25				
Alnus glutinosa	7	5	3		7	2						2								50		
Galium palustre agg.	6	8	1			2				13		5	7	11								
Populus alba	7				2	2		25				8	1					25				
Betula pendula	7	3	3		5	3							1							50		
Physcomitrium pyriforme	9		1		7	3							3									
Drepanocladus aduncus	9	7	2		3	2							3		20							
Hygroamblystegium humile	9	7	4		1	1			17	13		1			20							
Botrydium granulatum	9	3	1	13	2	2						1	4									
Epilobium roseum	6	2	3		5	1						3	3									
Lysimachia nummularia	6	2	1	25	1	2							1	11	20							
Elytrigia repens	6	3	1	38	4						33	3								50		
Carex sp.	6	2	3			2							3	11								100
Brachythecium sp.	9	3	2		3	2									20							
Tanacetum vulgare	6	2	1		1	1						5	1	11								
Epilobium palustre	6	2	1		2	2							1	11								100
Solanum dulcamara	6		1			1						7	1									
Juncus tenuis	6		3		2	2							1									
Lemna gibba	6	2	2			2						2	1									
Stellaria alsine	6	2	2		2	1						3										
Pohlia sp.	9	2			4	1			17			1										
Trifolium campestre	6	2	2			1				13		2										
Amblystegium sp.	9	3	2			1						2										
Atriplex sp.	6					2						4										
Physcomitrium eurystomum	9	2	1		1	2							1									
Sonchus sp.	6	3			1	2																
Mentha sp.	6	2	1			1						1	3									
Scrophularia nodosa	6		1		1	1						3										
Populus sp.	7		2		2	1							1									
Xanthium strumarium	6			13		1				25			3	11								
Trifolium arvense	6		1	13	4	1						2										
Acer negundo	7					1		13				6										
Calamagrostis epigejos	6	2	1		4	1						1										
Bryum pseudotriquetrum	9	3	2		1	1								11								

Vegetation units	**L.**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**
Sonchus arvensis	6	2	2			1						1				20						
Amaranthus retroflexus	6	2		13		1						3								50		
Trifolium sp.	6		2		2	1						1										
Spergularia marina	6					1						5				20						
Funaria hygrometrica	9	3	1		1				17				1									
Chaiturus marrubiastrum	6	3				1						1	1									
Climacium dendroides	9	7				1																
Rumex sp.	6		1		1	1						1				20						
Alopecurus sp.	6		3		1	1																
Trifolium pratense	6			13		1								11								
Chenopodium sp.	6					2						1										
Glechoma hederacea	6	2	1			1						1										
Pohlia wahlenbergii	9	7											1									
Barbarea vulgaris	6	2		25	1							1										
Fraxinus angustifolia	7		2			1						2										
Portulaca oleracea	6		1			1				13		2										
Calliergonella cuspidata	9		1			1								11								
Ulmus sp.	7				4	1																
Amaranthus blitum	6				1	1																
Ceratodon purpureus	9					1			17	25												
Veronica sp.	6	2				1						1										
Trichodon cylindricus	9	5											1									
Galega officinalis	6	2		13		1																
Vicia sp.	6	2	1							13		1										
Senecio erraticus	6	2			2								1									
Matricaria sp.	6	2	1			1																
Cirsium sp.	6	2				1						1										
Erigeron annuus	6			13		1						1	1									
Poa sp.	6				2	1							1									
Populus tremula	7		1		1	1																
Marchantia polymorpha	9				1	1						1								50		
Lactuca serriola	6					1						2	1									
Dicranella staphylina	9					1																
Plantago sp.	6					1						2										

Vegetation units	**L.**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**
Eragrostis sp.	6											4										
Senecio vulgaris	6	2				1						1										
Bryum erythrocarpus agg.	9	5																				
Pohlia melanodon	9	2				1																
Salvinia natans	6	2				1							1									
Ulmus minor	7	2										1	1									
Hydrocharis morsus-ranae	6	2											3									
Rumex acetosella s. l.	6	2	1			1																
Physcomitrium sphaericum	9		1		1	1																
Rumex conglomeratus	6		1	13		1																
Juncus sp.	6		1			1										20						
Equisetum variegatum	6			38																		
Rhytidiadelphus squarrosus	9				2									11								
Cardamine amara subsp. *amara*	6					1							1	11								
Oenothera sp.	6					1										20						
Polygonum sp.	6					1						2										
Eragrostis minor	6									13		1	1									
Mentha × *verticillata* (*M. aquatica* × *arvensis*)	6									13		1		11								
Arctium sp.	6					1						1		11								
Fraxinus excelsior	7												3	11								
Veronica serpyllifolia	6	3																				
Cichorium intybus	6	2		13																		
Drepanocladus sp.	9	2										1										
Oryza sativa	6	3																				
Herniaria glabra	6	2			1																	
Cynodon dactylon	6		2																			
Ahnfeltia plicata	9		1			1																
Ajuga reptans	6			13										11								
Persicaria sp.	6			13		1																
Pinus sylvestris	7				1	1																
Armoracia rusticana	6				1							1										
Geranium sp.	6				1	1																
Riccia fluitans/rhenana	9				1							1										

Vegetation units	**L.**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**
Erigeron acris	6				2																	
Bidens sp.	6				1	1																
Archidium alternifolium	9					1							1									
Malva neglecta	6					1						1										
Verbena officinalis	6					1				13												
Syntrichia ruralis agg.	9					1																
Brachythecium rutabulum	9					1																
Equisetum × *littorale* (*E. arvense* × *fluviatile*)	6					1			17													
Oxalis sp.	6					1																
Sparganium sp.	6					1											25					
Microrrhinum minus	6											2										
Marrubium vulgare	6											2										
Amaranthus powellii	6											2										
Entosthodon fascicularis	9											2										
Lotus maritimus	6												3									
Carex flacca	6													11	20							
Campylium stellatum	9													11	20							
Linum catharticum	6													22								
Myosotis sp.	6	2																				
Carex brizoides	6	2																				
Galium verum	6	2																				
Brachythecium mildeanum	9	2																				
Dicranella heteromalla	9		1																			
Eleocharis carniolica	6		1																			
Fissidens taxifolius	9		1																			
Atrichum undulatum	9		1																			
Cerastium glomeratum	6		1																			
Marchantia sp.	9		1																			
Epilobium montanum	6			13																		
Carex contigua agg.	6			13																		
Juglans nigra	7			13																		
Saponaria officinalis	6			13																		
Potentilla norvegica	6				1																	

Vegetation units	**L.**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**
Stellaria sp.	6				1																	
Barbarea stricta	6				1																	
Potentilla sp.	6				1																	
Betula sp.	7				1																	
Pohlia bulbifera	9				1																	
Arenaria serpyllifolia agg.	6				1																	
Centaurium erythraea	6					1																
Calamagrostis arundinacea	6					1																
Poa remota	6					1																
Senecio sp.	6					1																
Dicranella varia	9					1																
Riccia trichocarpa	6					1																
Crepis sp.	6					1																
Philonotis caespitosa	9					1																
Plagiomnium affine	9					1																
Hydrodictyon sp.	9					1																
Euonymus europaeus	7					1																
Acer campestre	7					1																
Anthemis cotula	6					1																
Weissia sp.	9					1																
Elymus caninus	6					1																
Acer platanoides	7					1																
Prunus serotina	7					1																
Bryum caespiticium	9					1																
Polygonatum latifolium	6					1																
Aster sp.	6					1																
Gleditsia triacanthos	7					1																
Leptodictyum riparium	9					1																
Senecio viscosus	6							13														
Descurainia sophia	6							13														
Marrubium sp.	6									13												
Lepidium ruderale	6									13												
Dicranella schreberiana	9											1										
Poa compressa	6											1										

Vegetation units	**L.**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**
Stellaria nemorum	6											1										
Dactylis glomerata subsp. *lobata*	6											1										
Melilotus albus	6											1										
Arctium minus	6											1										
Mimulus guttatus	6											1										
Melilotus sp.	6											1										
Medicago sativa	6											1										
Malva pusilla	6											1										
Erysimum sp.	6											1										
Crepis tectorum	6											1										
Amaranthus albus	6											1										
Helichrysum arenarium	6											1										
Chenopodiastrum hybridum	6											1										
Ballota nigra	6											1										
Angelica archangelica	6											1										
Cuscuta campestris	6											1										
Arctium tomentosum	6											1										
Robinia pseudoacacia	7											1										
Erodium cicutarium	6											1										
Carduus sp.	6											1										
Solidago sp.	6											1										
Plagiochila asplenioides	9											1										
Morus sp.	7											1										
Cirsium vulgare	6											1										
Tilia cordata	7												1									
Carex hordeistichos	6												1									
Lythrum tribracteatum	6												1									
Galeopsis sp.	6												1									
Palustriella commutata	9													11								
Potentilla erecta	6													11								
Clematis vitalba	6													11								
Palustriella decipiens	9													11								
Hypericum tetrapterum	6													11								
Dorycnium pentaphyllum	6													11								

Vegetation units	**L.**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**
Scabiosa lucida	6													11								
Agrimonia eupatoria	6													11								
Picea abies	7													11								
Danthonia decumbens	6													11								
Nardus stricta	6													11								
Plantago media	6													11								
Acer pseudoplatanus	7													11								
Taraxacum sect. *Palustria*	6													11								
Cardamine sp.	6																25					
Lycopus sp.	6															20						
Oxybasis urbica	6																	25				
Mnium sp.	9																			50		