Supplement E1. Vegetation table of old and new relevés and coordinates of the new relevés.

Anhang E1. Vegetationstabelle der alten und neuen Vegetationsaufnahmen sowie Koordinaten der neuen Vegetationsaufnahmen.

Alliance	*Koelerion glaucae*	*Armerion elongatae*	*Festucion valesiacae*	*Arrhenaterion elatioris*	*Koelerion glaucae*	*Koelerion glaucae*	*Koelerion glaucae*	*Koelerion glaucae*	*Koelerion glaucae*	*Koelerion glaucae*	*Koelerion glaucae*	*Koelerion glaucae*	*Armerion elongatae*	*Armerion elongatae*	*Armerion elongatae*	*Armerion elongatae*	*Armerion elongatae*	*Armerion elongatae*	*Armerion elongatae*	*Armerion elongatae*	*Festucion valesiacae*	*Festucion valesiacae*	*Festucion valesiacae*	*Festucion valesiacae*	*Festucion valesiacae*	*Festucion valesiacae*	*Festucion valesiacae*	*Festucion valesiacae*	*Arrhenaterion elatioris*	*Arrhenaterion elatioris*	*Arrhenaterion elatioris*	*Arrhenaterion elatioris*	*Arrhenaterion elatioris*	*Arrhenaterion elatioris*	*Arrhenaterion elatioris*	*Arrhenaterion elatioris*
Plot number	%	%	%	%	J63	J69	J70	J376	T04	T02	T01	T03	J93	J473	J475	J477	T09	T11	T12	T10	J64	J78	J84	J406	T14	T16	T15	T13	J85	J94	M7	MW9	T07	T08	T05	T06
Corresponding old plot number									J63-15	J69	J70	J376	J93	J473	J475	J477	J93	J473	J475	J477					J64-15	J78-15	J84-15	J406-15					M7-15	MW9-15	J85-15	J94-15
Year of sampling					1993	1993	1993	1993	2005	2005	2005	2005	1993	1993	1993	1993	2005	2005	2005	2005	1993	1993	1993	1993	2005	2005	2005	2005	1993	1993	1997	1997	2005	2005	2005	2005
Consecutive number					26	23	32	27					52	54	57	55	78	76	61	59									102	104	103	101				
Slope aspect (verbal or °)					SSO	SO	-	SSO	138	142	-	195	SO	-	SO	-	110	-	142	144	S	ONO	ONO	SO	175	93	82	140	ONO	NW	W	O	296	100	72	278
Slope angle (°)					6	14	0	14	6	14	0	14	3	0	6	0	2	0	8	1	22	35	22	35	25	32	26	34	11	9	5	1	6	2	12	8
pH (H_2O)					4,0	-	-	3,9	4,7	5,3	7,2	4,4	-	3,7	-	-	4,3	4,7	5,9	4,4	-	-	-	8,1	7,7	5,1	7,2	7,5	-	-	6,5	7,1	7,1	6,6	6,0	7,0
Soil texture class					S	S	S	S					S	S	S	S					S	S	S	Slu					-	-	mS	Sl				
Herb layer (Cover in %)					20	40	15	30	40	70	40	55	70	85	60	60	85	85	80	90	35	80	90	70	60	70	70	50	95	90	85	98	95	90	85	80
Cryptogam layer (Cover in %)					45	80	-	50	28	70	50	28	70	60	0	30	30	60	30	50	10	80	95	30	4	50	15	20	15	20	2	3	17	40	5	10
Species richness (10 m²)					15	24	11	24	28	29	12	34	30	16	13	16	32	24	29	16	28	26	28	28	33	26	29	37	22	27	28	25	19	29	26	17
C/D *Koelerion glaucae*																																				
Festuca psammophila (incl. transitions to *F. polesica*)	100	13	25	.	**10**	**10**	**10**	**38**	**10**	**30**	**25**	**16**				**2.5**					**10**	**1**			**25**											
Koeleria glauca	100	13	25	.	**10**	**20**	**2.5**	**2.5**	**4**	**3**	**15**	**1**					**0.1**				**10**				**0.1**											
Corynephorus canescens	88	25	13	.	**10**	**10**	**2.5**	**2.5**	**25**	**1.5**		**12**		**10**	**1**		**0.1**								**0.2**											
Cladonia foliacea	63	.	13	.	**2.5**	**10**			**4**	**0.01**		**8**									**2.5**															
Cetraria aculeata	50	13	.	.	**10**	**2.5**			**0.3**		**0.01**						**0.05**																			
Polytrichum piliferum	50	.		.	**38**	**63**		**20**	**1**																											
Sedum acre	50	.	38	.			**2.5**	**1**		**0.1**	**0.1**	**0.01**													**0.001**		**0.05**	**0.1**								
Teesdalia nudicaulis	50	13	.	.	**2.5**	**2.5**			**0.2**			**0.001**					**0.001**																			
Cephalozíella divaricata	38	.	.	.				**10**	**0.5**			**5**																								
Thymus serpyllum	38	.	.	.		**2.5**				**10**		**3**																								
C/D *Armerion elongatae*																																				
Agrostis capillaris	50	88	13	38		**2.5**			**3**	**5**		**2**		**63**	**20**	**38**	**10**	**10**	**7**	**35**						**4**					**20**	**1**		**1**		**1**
Armeria maritima subsp. *elongata*	13	75	.	13						**0.01**				**10**		**10**	**10**	**5**	**0.01**	**3**										**1**						
Pilosella officinarum	50	75	13	13		**38**				**3**	**0.001**	**5**	**20**	**10**		**20**	**3**	**15**		**1**			**2.5**							**10**						
Cladonia furcata	38	63	13	.					**1**	**0.01**		**2**				**2.5**	**2**	**0.1**	**0.01**	**0.5**						**0.1**										
Euphrasia stricta	25	38	.	.						**0.1**		**0.001**	**1**				**0.2**	**1.5**	**0.1**																	
Achillea cf. *pannonica*	.	25	.	.										**1**	**10**	**10**								**1**												
C/D *Festucion valesiacae*																																				
Veronica spicata	13	25	88	25				**0.1**					**1**				**0.2**		**0.5**			**10**	**2.5**	**2.5**	**10**	**3**	**2**	**0.3**				**0.1**		**0.1**	**0.1**	
Stipa capillata	13	.	75	13						**0.1**											**1**	**10**	**2.5**	**1**	**20**	**0.3**	**10**	**10**							**0.2**	
Phleum phleoides	13	25	63	13						**1**									**15**	**0.2**	**1**	**10**			**5**	**10**	**15**	**5**							**5**	
Potentilla cinerea subsp. *incana*	.	13	63	13															**0.5**				**2.5**	**10**	**12**		**0.3**	**5**							**1**	
Salvia pratensis	.	.	50	25																	**1**		**20**	**38**	**10**			**5**	**0.1**		**10**					
Allium vineale	.	.	38	13																	**2.5**	**1**		**2.5**	**0.05**									**0.01**		
Buglossoides arvensis subsp. *sibthorpiana*	.	.	25	.																	**1**				**0.3**		**0.3**									
Stachys recta	.	.	25	.																	**1**			**1**		**0.3**		**0.2**								
C/D *Arrhenaterion elatioris*																																				
Arrhenatherum elatius	.	50	50	100									**10**				**2**	**2**	**0.5**				**2.5**	**1**	**0.2**	**15**		**0.5**	**88**	**38**	**88**	**63**	**80**	**60**	**35**	**70**
Brachythecium rutabulum	.	.	.	75																											**2.5**	**2.5**	**2**	**20**	**0.5**	**3**
Plagiomnium affine	.	.	.	63																												**2.5**	**4**	**20**	**0.2**	**6**
Securigera varia	.	.	25	63																			**10**		**12**				**2.5**		**38**		**3**		**0.1**	**5**
Agrimonia eupatoria	.	.	.	50																									**1**	**0.1**	**0.1**	**10**		**5**		
Festuca rubra agg.	.	.	.	50																												**10**	**10**	**15**		**5**
Helictotrichon pubescens	.	13	25	50									**2.5**										**10**					**0.5**			**1**	**1**	**0.1**	**0.1**	**0.001**	**0.05**
Knautia arvensis	.	13	.	50		**1**										**0.2**						**1**								**1**	**0.1**	**0.1**		**2**	**0.2**	
Dactylis glomerata subsp. *glomerata*	.	25	13	38									**1**						**1**				**2.5**						**1**		**1**	**1**	**5**	**5**		**3**
Veronica chamaedrys	.	.	.	38																										**63**			**0.25**	**8**		
Companion species																																				
Achillea millefolium agg.	.	50	75	63									**2.5**				**5**	**7**		**12**		**2.5**	**2.5**		**0.5**	**0.3**	**0.3**	**0.5**	**2.5**		**1**	**1**	**1**	**1**	**0.1**	**3**
Allium oleraceum	.	.	25	.																				**1**				**0.01**								
Anchusa officinalis	.	.	.	.			**1**																													
Anthoxanthum odoratum	.	38	13	38										**2.5**			**0.1**	**0.1**					**1**			**0.3**								**0.5**	**0.1**	**0.1**
Arabidopsis thaliana	.	.	13	.																						**0.001**										
Arenaria serpyllifolia	.	.	38	.																	**2.5**				**0.01**			**0.1**				**0.1**				
Artemisia campestris subsp. *campestris*	50	50	50	13		**1**	**1**	**1**	**1.5**	**0.5**	**2**	**1**	**1**	**1**	**1**	**1**	**2**	**2**	**5**	**1**	**1**	**1**		**0.1**	**5**		**2**	**3**			**0.1**	**1**				
Artemisia vulgaris	.	.	.	13																														**2**		
Barbula convoluta	.	.	13	.																								**1.5**								
Berteroa incana	.	.	.	.																											**1**					
Brachypodium pinnatum	.	.	25	.																				**63**				**20**								
Brachythecium albicans	25	25	25	25					**0.3**			**0.01**		**63**					**1**			**38**				**2**				**20**				**0.3**		
Bromus inermis	.	13	50	63				**1**									**0.001**				**0.1**					**0.3**	**0.01**	**0.2**	**2.5**			**2.5**	**0.1**	**0.5**	**0.1**	
Bromus tectorum	13	.	.	.			**10**																													
Bryum argenteum	25	.	25	13					**0.2**			**0.5**													**1.5**	**0.2**							**0.1**			
Bryum caespiticium	.	.	.	13																													**2**			
Bryum dichotomum	25	.	.	.					**0.001**			**0.01**																								
Bryum spec.	.	13	.	.															**0.25**																	
Calamagrostis epigejos	.	25	.	.													**3**		**3**																	
Camelina microcarpa subsp. *pilosa*	.	.	25	.																	**2.5**							**0.2**								
Carex caryophyllea	.	.	25	.																			**10**			**1**										
Carex hirta	.	.	.	13																									**2.5**							
Carex praecox	13	13	25	13								**0.2**							**2**								**3**	**0.1**							**2**
Carex supina	38	13	25	13				**2.5**		**3**		**0.2**					**3**							**1**			**0.5**	**4**								**0.3**
Centaurea jacea	.	.	.	13																										**0.1**						
Centaurea scabiosa subsp. *scabiosa*	.	.	.	25																			**1**						**1**		**0.03**			**12**		
Centaurea stoebe	13	.	38	.				**0.1**					**0.1**											**0.1**	**2**			**2**								
Cerastium arvense	.	.	13	25																			**2.5**							**2.5**		**1**				**0.001**
Cerastium semidecandrum	50	13	63	13				**1**	**0.1**	**0.05**	**0.01**	**0.001**	**1**				**0.1**					**2.5**			**0.3**	**0.5**	**1**	**0.05**							**0.001**	
Ceratodon purpureus subsp. *purpureus*	50	13	50	13	**2.5**	**10**			**18**			**12**		**2.5**								**2.5**			**1**	**3**	**0.3**									**0.5**
Chenopodium album	13	.	.	13							**0.001**																									**0.2**
Chondrilla juncea	38	25	25	.		**1**		**1**	**0.1**	**0.05**		**0.1**			**1**			**0.3**	**0.3**							**0.1**		**0.2**								
Cladonia coniocraea	13	.	.	.	**2.5**																															
Cladonia fimbriata	.	.	.	.										**1**																						
Cladonia glauca, rei et *subulata*	25	.	.	.	**0.1**							**0.001**																								
Cladonia pyxidata	38	.	13	.	**2.5**	**10**		**10**														**2.5**														
Cladonia rangiformis	13	13	.	.								**0.2**					**0.001**																			
Cladonia spec.	25	.	13	.		**2.5**		**2.5**													**2.5**															
Convolvulus arvensis	.	13	25	25									**0.1**											**1**				**0.1**			**1**	**1**	**1**			**0.1**
Conyza canadensis	.	13	.	.											**2.5**																					
Cynoglossum officinale	.	.	.	13																											**0.03**					
Daucus carota subsp. *carota*	.	.	.	13									**0.1**																					**0.1**		
Dianthus carthusianorum	25	63	50	25						**5**		**0.25**	**1**			**2.5**	**1**	**4**	**3**	**0.5**		**1**	**0.1**	**1**	**0.1**	**0.1**		**0.5**			**0.03**				**0.001**	
Didymodon fallax	.	.	13	.																								**0.5**								
Digitaria ischaemum	13	.	.	.					**0.1**																											
Draba verna agg.	.	.	13	.																	**10**															
Echium vulgare	.	.	13	.																								**0.3**								
Elymus repens subsp. *repens*	.	25	.	25														**0.1**		**0.001**									**2.5**		**0.1**					
Encalypta vulgaris	.	.	13	.																				**2.5**												
Erodium cicutarium	.	.	.	.	**1**																															
Euphorbia cyparissias	38	50	88	38		**1**	**2.5**	**1**		**0.1**		**0.25**	**2.5**				**0.2**	**1.5**	**0.1**		**10**	**2.5**	**10**	**2.5**	**0.5**		**0.2**	**2**		**2.5**	**10**				**0.1**
Euphorbia esula	.	.	.	25																													**0.1**	**0.05**		
Falcaria vulgaris	.	.	.	13									**0.1**																		**0.1**					
Festuca brevipila	25	88	63	50						**1**		**1**	**38**	**10**	**0.1**		**40**	**50**	**45**	**45**			**10**	**2.5**		**25**	**40**	**5**	**10**	**38**	**63**				**35**
Fragaria viridis	.	.	.	13																										**10**						
Galium verum s.str.	38	25	75	75		**2.5**				**5**		**0.01**	**1**			**1**	**7**			**10**		**20**	**2.5**	**10**		**4**	**3**	**4**	**10**	**10**		**10**	**3**	**2**	**1**
Helichrysum arenarium	50	25	38	13				**2.5**	**3**	**0.05**	**0.1**		**1**		**1**	**1**		**0.5**	**0.01**		**1**	**0.1**	**0.1**		**5**					**1**					
Hieracium umbellatum	25	63	38	.		**1**		**1**	**0.1**			**7**		**1**	**20**	**2.5**		**2**	**2**	**0.2**		**10**	**10**	**1**				**0.1**		**1**					
Holcus lanatus	.	.	.	13										**1**																**2.5**						
Holosteum umbellatum	.	.	.	.																	**1**															
Homalothecium lutescens	.	.	13	.																								**12**								
Hylotelephium maximum	.	13	13	.													**0.5**										**0.2**									
Hypericum perforatum	.	.	50	13																		**2.5**		**0.1**			**1**	**0.01**	**1**		**0.1**					
Hypnum cupressiforme var. *lacunosum*	38	75	75	38					**0.5**	**70**		**0.5**	**63**			**88**	**28**	**60**	**28**	**50**		**38**	**88**	**20**		**45**	**15**	**6**	**20**		**2.5**				**5**
Hypochaeris radicata	25	25	.	.		**0.1**						**1**			**38**	**1**	**0.05**																			
Jasione montana	38	25	13	.		**1**			**3**	**0.001**		**1**		**10**	**20**							**0.1**														
Koeleria macrantha	.	13	13	.															**2**									**0.1**								
Lathyrus pratensis	.	.	.	25																												**38**		**0.2**		
Lotus corniculatus subsp. *corniculatus*	.	13	.	.									**12.5**																							
Luzula campestris	.	13	.	13														**5**												**2.5**						
Medicago falcata	.	.	.	.																	**1**			**1**												
Medicago lupulina	.	13	.	.									**1**										**1**													
Medicago minima	13	13	.	.				**0.1**					**10**																							
Myosotis arvensis	.	.	.	13																																**0.05**
Myosotis ramosissima	.	.	38	25																		**2.5**				**0.3**	**0.2**				**0.1**	**0.1**				
Myosotis stricta	13	.	13	.							**0.001**														**0.01**											
Papaver argemone	.	.	13	.																								**0.001**								
Papaver dubium	.	.	25	.																	**0.1**			**0.1**												
Petrorhagia prolifera	13	.	25	.					**0.001**																		**0.2**	**0.5**								
Phleum pratense	.	13	.	13													**0.01**																			**0.05**
Pimpinella saxifraga agg.	.	.	.	13																										**2.5**						
Placynthiella spec.	13	.	.	.					**0.001**																											
Plagiomnium undulatum	.	.	.	13																													**8**			
Plantago lanceolata	.	13	13	25									**1**					**0.2**					**2.5**							**2.5**				**0.1**		
Poa angustifolia	13	25	38	63			**2.5**						**2.5**							**0.01**				**1**	**0.2**		**5**		**2.5**	**10**			**0.2**	**2**	**0.1**	
Poa pratensis agg.	.	.	.	.																		**1**														
Pohlia nutans	13	.	.	.				**2.5**																												
Populus x canadensis	.	.	13	.																	**0.1**															
Potentilla argentea	.	.	.	13																										**0.03**						
Pseudocrossidium hornschuchianum	.	.	13	.																	**2.5**															
Rumex acetosella	75	88	38	13	**0.1**	**10**	**2.5**		**5**	**5**		**7**		**10**	**2.5**	**2.5**	**3**	**3**	**1**	**7**		**20**			**0.2**	**2**									**0.25**	
Rumex thyrsiflorus	.	25	13	63										**1**	**1**	**1**	**0.1**		**0.1**			**1**							**10**	**1**		**0.1**	**0.1**	**0.2**	**1**	
Salsola tragus	.	.	13	.																	**2.5**															
Sanguisorba minor subsp. *minor*	.	13	13	13									**1**										**10**						**2.5**							
Scabiosa canescens	.	.	13	.																				**1**			**0.05**									
Scleranthus perennis	25	.	.	.	**0.1**				**0.5**																											
Scorzoneroides autumnalis	.	13	.	.									**1**																							
Sedum sexangulare	.	25	25	13									**2.5**						**0.2**		**2.5**						**0.05**		**2.5**							
Senecio vernalis	.	.	25	.		**1**	**1**	**1**													**1**	**1**				**0.05**	**0.1**									
Silene chlorantha	.	.	13	.				**1**													**2.5**															
Silene latifolia subsp. *alba*	.	.	13	13																							**0.3**							**0.5**		
Silene otites	.	13	25	.												**0.1**			**0.3**						**3**		**2**									
Silene vulgaris subsp. *vulgaris*	.	.	13	13																			**10**						**1**							
Spergula morisonii	25	.	.	.	**20**	**2.5**																														
Syntrichia ruralis agg.	50	13	38	.					**4**	**0.1**	**5**	**0.5**					**0.05**				**10**				**0.5**	**0.1**										
Taraxacum spec.	.	13	13	13									**1**										**0.1**									**0.1**				
Thuidium assimile	.	.	.	13																													**1**			
Thymus pulegioides subsp. *pulegioides*	.	13	.	.									**20**																							
Tortula cf. *lanceola*	.	13	25	25															**0.75**						**1**			**0.2**							**0.1**	**0.5**
Tragopogon dubius	.	.	13	.																					**0.005**											
Tragopogon pratensis	.	.	.	13																														**0.1**		
Tragopogon spec.	.	.	.	.																												**0.1**				
Trifolium arvense	50	25	25	.				**0.1**		**1**	**0.1**	**0.001**						**1**	**0.01**						**0.1**		**0.05**									
Trifolium campestre	13	13	.	.						**0.001**								**0.001**													**0.1**					
Trifolium dubium	.	.	.	13																										**2.5**						
Trifolium repens	.	.	.	.																										**1**						
Unbestimmte Art (haariges Blatt)	.	.	.	13																														**0.01**		
Verbascum densiflorum	.	.	13	.																					**0.3**											
Verbascum lychnitis	.	.	25	25																						**18**	**0.3**		**1**						**8**	
Veronica arvensis	.	.	.	25																											**0.1**	**0.1**				
Veronica verna agg.	38	.	13	.				**2.5**	**0.05**	**0.001**											**1**				**0.001**											
Vicia angustifolia	.	25	.	13													**0.001**	**0.001**												**1**	**0.1**					
Vicia cracca	.	.	13	25																			**1**						**2.5**			**20**				
Vicia hirsuta	.	.	.	25																										**2.5**				**0.01**		
Vicia lathyroides	.	50	25	25									**2.5**				**0.001**	**0.001**	**0.001**			**2.5**	**2.5**							**2.5**	**0.1**				
Vicia tenuissima	.	.	.	13																												**10**				
Vicia tetrasperma	.	.	.	13																											**0.1**					
Viola hirta	.	.	.	.																				**1**												
Viola tricolor subsp. *tricolor*	.	.	.	13																									**2.5**							
Weissia spec.	.	.	13	.																				**2.5**												

Coordinates of new plots WGS 84:

Plot number	Latitude (° N)	Longitude (° E)
T01	52.82473301	14.08200402
T02	52.82455296	14.08211097
T03	52.823682	14.08116097
T04	52.82320398	14.08332601
T05	52.82528898	14.08597997
T06	52.82629497	14.079801
T07	52.82646102	14.07999001
T08	52.82418299	14.07903104
T09	52.82500701	14.08109902
T10	52.82516099	14.08166497
T11	52.82465103	14.08171702
T12	52.82269201	14.08228297
T13	52.82251297	14.08127798
T14	52.82405399	14.08367302
T15	52.82534698	14.08573698
T16	52.82610998	14.08721203