

Table 4: The vegetation complexes of the study area (presence and cover values of the vegetation types). (x) = contact vegetation.

column	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27				
valley region	A	A	A	A	W	W	W	V	V	V	P	P	P	P	P	P	P	P	I	I	I	I	I	I	I	R					
complex type	tb	mk	ok	pb	sa	ea	sk	me	ss	cf	pf	pc	cc	df	mc	tarn	tao	tt	tc	abrm	abo	ds	hs	pk	as	x					
no. of complex relevés	7	8	13	3	1	8	4	2	12	13	8	2	1	5	1	4	9	6	5	4	8	4	4	2	6	2	9				
above sea level: from ...m	510	600	620	680	600	530	580	650+	600	850	1000	750+	400	400	900	620	1000	710	950	800	750	1350	1400	1750	1480	1800	600				
Code to ...m	1050	900	1150	1380		760	700	700	1000	1350	1500	900	600	900	1700	1100	1350	1050	1350	1550	1570	1800	1620	1900	1450	Code					
Selected cryptogam communities																															
C1 Cladonietum convolutae					++	2+	2m		2+-1																			C1			
C2 Diploschistetum sp. soil crusts	I+	I 1	II +1	2+2a		I+	2+1		++											I+			I+					C2			
C3 Fulgensietum fulgentis with Psora decipiens	II +-1	IV 1-2m	III +2m	1 1	+	V +-1	2+1																					I+	C3		
C3 Fulgensietum fulgentis without Psora decipiens	I 1		++						++	++										1+								C3			
C4 Thuidium abietinum stand		+1	1 1							++	IV +-1							II +	I +	II +	2+	I 1	3+	2+	I +	I +	C4				
Rock fissure vegetation																															
F1 Asplenio-Primulétum hirsutae with Woodsia alpina																												I +	F1		
F2 Asplenietum septentrionali-adianti-nigri	II +	I +	2+1	+	1+	2 1	V +1	III +1	IV +			IV +-1	3 1-2m	II +1	V +2m	V +1		I +	1+			III 1	2+1					F2			
F3 Asplenietum trichomano-ruta-murariae	II +	II +	2+	+	V +	3+	2 1	V +-1	III +	IV +	2+	IV +	4+	V +2m	V +1	IV +	2 1-2m	II +1		1+	3+1	I +		II +				F3			
F4 Campanula cochlearifolia stand													I +								1+	2+						F4			
F5 Cheilanthes fragrans stand (fissures)	I +																												F5		
F6 Cheiranthus cheiri comm. (Centrantho-Parietion)	I +	++			II 1	1+						I +																F6			
F7 Cystopteris fragilis stand																													F7		
F8 Draba alzoidea stand																													F8		
F9 Kerneria saxatilis stand																	II +				1+	2+1						F9			
F10 Notholaena marantae-Aспlenium septentrionale comm.																													F10		
F10 Notholaena mar.-Aспlenium sept. comm. with Alyssum argenteum	II +		1+																										F10		
F11 Polypodium vulgare stand (fissures)												1+	++	++	II +	1+		2+	III +	III +						I 1	2+	F11			
F12 Potentillo caulescens-Hieracium humilis																													F12		
F13 Saxifraga aizoon stand							2 1-2m		II +										III 1			2 2m		3 1-2m	2 1				F13		
F14a Sedo dasypylli-Aспlenium ceterach, only Sedum das.												1+	2 1	++	II +-1	I +		II +2m	II +2m	II +1	I +	1+		III +2m	2+1				I +	1 1	F14a
F14b Sedo dasypylli-Aспlenium ceterach	III +-1	I +	IV +-1	1+	2m	IV +-1	2+					II +	II +	IV +-1	3+-1	I +															F14b
Pioneer vegetation: therophyte dominated																															
P1 Alyssum alyssoides stand																													P1		
P2 Arenaria serpyllifolia stand in microhabitats	V 1-2m	V +2m	V +2m	2 1-2m	+	V +2m	3 +2	1+	III +1	II +			I +				IV +2m	I +	II +2m	II +	3 +	3 +	V +1						P2		
P3 Clypeoleatum jonthaspi												+	IV +2m	1 1															P3		
P4a Poa perconcinna-Alyssum alyss. comm. with Hornungia petraea	II 1-2m	IV +2a	II 1-2a	1 2a	+	V 1-2m	3 1																						P4a		
P4b Poa perconcinna-Alyssum alyssoides comm.	II 1-2a	V +2a	II 2m-a	1 2m		V 1-2a	3 1																						P4b		
P5 Rumex acetosella comm.	I 1		1 1																											P5	
P6 Rumex acetosella-Polytrichum piliferum comm.	I 1		II +2a	2 +1	1		1 2m	1 2m	II +	II +2m	IV +2a	2 +	III +2m	3 +1			I +		II 1										P6		
P7 Silene armeria comm.	1 2m						2m										IV +1	2+-1												P7	
P9a Trisetetum cavanillesii, fragment with Linaria simplex		II +2m	I +																										P9a		
P9b Trisetetum cavanillesii	I 1	I +																												P9b	
P10 Veronica dilleni-Veronica verna comm.																	II 1-2a	++	I 1											II +	P10
P11a Veronica verna-Alyssum alyssoides comm.																													P11a		
P11b Veronica verna-Alyssum alyssoides comm. with Scleranthus per.	III +-2m		III 1-2a		1																								P11b		
P12 Veronicia verna-Poetum concinnae	II +1		II 2m-a	2 1-2a	1	V +2m	3 1	2 1	V +2m	V +1	IV +1	1 1	V +2m	2m	4 1-2m	V +1	V -2m	V -2m	II +1	2 +2m	3 +1	I +								P12	
Vegetation of gritty soils, often CAM succulents																															
V1 Alyssum alyssoides-Melica ciliata stand																													I 2a	V1	
V2 Poa molineri-Sedum album comm.																	I +	I 1												V2	
V3 Sclerantho-Sempervivetum arachnoidei																													V3		
V4 Scleranthus perennis stand	I +	+1																	I 1	2+	I +	II +								V4	
V5 Sedum rupestre stand and Sedetum montani	III +-1	I 1	IV +2m	3 1	2m	IV +1	4 +2	1+	IV +2m	III +2m	IV +2m	2 +2m	1	4 1-2m	II +2m	V 1-2m	V 1-2m												V5		
V6 Sedum album stand	IV 1-2m	V +1	V 1-2m	3 1-2m	2m	V +2m	4 1-2m	2+	III +2m	III +2m	IV +1	2 1-2m	2m	V +2m	2m	4 1-2m	V 2m+V	V 2m	IV +2m	2 2m	V +2m	2 2m	4 2m	1 2m	V +2m		V6				
V7 Sedum sexangulare (smile) stand																			2 +	II +2m	III +	IV +1	1 1	III +	1 1	+		V7			
V8 Sedum telephium s.l. stand	I +	I +			1	I +											++	1 +	V +2m	1 3+1	II 1	IV 1	IV +1								V8
V9 Sempervivum grandiflorum stand																													V9		
V10 Sempervivum arachnoideum stand	III 1	II 1-2m	III +1	3 1-2m	2m	III +1		2 +1	V 1-2a	V +2m	V +2m						V 1-2m	3 1-2m	IV 1-2m	V 1-2m	IV +2m								V10		
V11 Sempervivum tectorum stand	IV 1-2m	III +2m	V +2m	3 +1	1	V +2m	3 1	2 1	V +2m	V +1	IV +1	1 1	V +2m	2m	4 1-2m	V +1	V -2m	V -2m	II +1	2 +2m	3 +1	I +							V11		
Vegetation of rock debris																															
D1 Calamagrostis varia stand																													D1		
D2 Hippophae rhamnoides-pioneer stand	I +	++																	III +		1	I +							D2		
D3 Leontodon hyoscyroides stand																													D3		
D5 Rumicetum scutati																	1+	++	I +		3 +	III +	III +	V +1	I +	1 +	IV +	2 +	D5		
D6 Stipetum calamagrostis	I 2a	II +1	II +	1 +																											

Scrub communities																							
S1	Amelanchier ovalis scrub			1 +		1 +		I +	++				1 +	II +	IV +	I +	2 + 1	III +	3 +	4 +	III +	II 1-2a	
S2	Berberido-Rosetum			II + 2+	1	V +	4 + 1	1 +	IV +	V + 2a	V + 1	1 +	+ 1 +	V + 1	IV +	II + 1	IV + 2a	1 +	3 + 1	V +	S2		
S3	Berberis vulgaris scrub	I +	II + 2a	II +	2 +	1	V +	4 + 1	1 +	2 +	II +		V + 2a		V +	4 + 1	IV + 2m	4 + 1	3 + 2m	2 +	V + 2m	IV + 2a	
S4	Celtis australis scrub	III +	III + 1	I +																		S3	
S5	Colutea arborescens scrub	II + 2a	II + 2a	++		1 2a	2 2a	1 +	III + 1	++	I +		1	2a				I +				S5	
S6	Corylo-Populetum			I +	1 +		2 +	1 1		I +							1 1	I +	4 + 2a		S6		
S7	Corylus bush												1 +				V + 2a	V 2a-b				S7	
S8	Cotinus coggygria scrub						1 2a														III + 1	S8	
S9	Cotoneaster integrerrimus scrub	I +				1 +				++						III +		1 +	2 + 1	2 + 1	I +	S9	
S10	Cytisus nigricans scrub												I 1	1 +	I +	I 1						S10	
S11	Erica arborea scrub with Calluna												2b	I 2b									S11
S12	Hippocratea emerus scrub	III + 2a	I 1	++	2 + 1			II +	2 +	1 +	II + 1						III + 1	II +				S12	
S13	Hippophac-Berberidetum	I 2a	I 2a	II +				II +	2 +		III + 1	V + 2a	II + 1				III + 2a	I +	I 1	2 +	IV + 2b	II + 2a	
S14	Juniperus communis scrub (Junip. dom.)	II 1-2m	III + 2a	IV + 2a	2 + 2a			II +	2 +	1 +	III + 2a	IV + 2b	IV + 2a	1 2a			II + 2a	I +	I 1	4 + 2b	IV + 2b	S14	
S15	Lanx decidua-shrubland																		1 +	IV + 1	2 +	S15	
S16	Ligustrum vulgare scrub	IV + 1	II +	II +	2 +		I +		1 +	III + 2a	II + 2a	II +		I 1	1 +			1 2a	II + 1	I +		II + 2a	
S17a	Pinus sylvestris, crooked-grown												++									S17a	
S17b	Pinus sylvestris-shrubland												1 1								I +	S17b	
S18	Populus tremula scrub																				II + 1	S18	
S19	Prunetum mahaleb												1	IV + 2a	3 + 1							S19	
S20	Prunetum mahaleb, Lonicera etrusca-Vicariant	IV + 1	IV + 1	V + 2a	2 +												2 + 2a	I +				S20	
S21	Pruno spinosi-Ligustrum	I +	I (+)	III + 2a	2 +	2a	II +	4 +	1 +	+ 1	II + 1	III + 2b		+	IV + 1	2a	2 + 1	I 1	III + 2a	1 1	III + 2a	S21	
S22	Prunus padus scrub												I						1 +	III + 1		S22	
S23	Quercus pub. x petraea scrub																				I 1	S23	
S24	Quercus pubescens scrub	V + 2a	IV + 2a	II 1-2a	2 + 2b	2a	I	3 + 2a	2 +	III + 2a	+ 1			V + 2a	4 + 2b						I +	S24	
S25	Rhamnus cathartica scrub																					S25	
S26	Rosa pendulina scrub																					S26	
S27	Rosa villosa scrub																		1 +	1 +	1 +	S27	
S28	Rosa glauca scrub																			I +		S28	
S29	Rubus idaeus stand												I +				I +	IV + 1		1 +	V +	S29	
S30	Rubus ulmifolius stand	I +	II + 1	1 +	+	I +		1 +	III +		2 +	1	IV + 1	+ 4 +		IV + 1	II +					S30	
S31	Cytisus scoparius scrub												2 2a-b	1 2a								S31	
S32	Ulmus minor, clonal stands	I +	I +	1 +		III 1-2a	1 2a		I 2a													S32	
Adjoining forest communities																							
W1	Alnetum incanae																				I	W1	
W2	Alnus incana slope-forest												(I)								III	W2	
W3	Castanea sativa grove	I											2	I	2							W3	
W4	Corylo-Populin																I	III			W4		
W5	Erico-Pinion																II		4		W5		
W6	Larix decidua stand, grazed												I				I +			2	II	1	W6
W7	Onionido-Pinion		II		I	2			I	II											I +	W7	
W8	Orno-Ostryon, rich in Quercus pubescens								2	II				v	I	1 (1)						W8	
W9	Picea abies stand																			I	W9		
W10	Pinus nigra-plantation	1											II	II								W10	
W11	Pinus sylvestris stand																1	II	I			W11	
W12	Quercetum pubescens s.l.	IV 2a	III	II	1	(x)	II	4 + 2								III	1					W12	
W13	Robinia-plantation												1	I								W13	
Ruderal stands																							
R1	Agropyron intermedium stand	III + 1	III + 2a	+	I 1	1 +									1 +	I 1						R1	
R2	Artemisia absinthium stand	II + 1	II +	1 +	+	II +	1 +		++	II +	I +		II +	+	2 +	II +	III +	I +			I	R2	
R3	Artemiso-Agropyretum	I +											I +		I 1			III +	3 +	4 +	II +	R3	
R4	Centranthus ruber stand								++													R4	
R5	Chenopodium bonus-henryi stand																		2 +	1 +	I +	R5	
R6	Clematis vitalba carpets (covering soil)	II + 1	IV +	III + 1				1 +	I +				+	V +	1 1						III + 1	R6	
R7	Hordeetum murini s.l.								I +						+							R7	
R8	Iris germanica stand							+	I +	1 +												R8	
R9	Lappula squarrosa stand												++	II + 1							I +	R9	
R10	Melico-Kochietum, ruderalized	II + 1	I +																			R10	
R11	Onopordetum acanthii	I +											++				I +			II +		R11	
R12	Opuntia vulgaris stand								+	II + 1											R12		
R13	Parietaria judaica, fragmentary stand								+						I +						R13		
R14	Sambucetum ebuli																			I +	R14		
R15	Sisymbrium-fragmentary stand with Descurainia sophia	I +	++		II +		1 +		+ 2m	II + 1					I +						R15		
R16	Sisymbrium strictissimum stand																II +	3 +	3 +	I +	R16		
R17s	Urtica stand, shaded microhabitat												I +								R17s		
R17	Urtica stand, sunny microhabitat																I +				R17		
R18	Vulpia myuros stand								+					1 +		1 +				1 +	I +	R18	
HR29	Securigera varia stand	I +	++		I +											II +		1 1	IV +	2 + 1		HR29	