

TERRESTRIAL PANNONIAN REGION  
**REFERENCE LIST**

April 2018

Code	P	Description	CZ	HU	RO	SK
HABITAT TYPES						
1340	*	Inland salt meadows	X			X
1530	*	Pannonic salt steppes and salt marshes		X	X	X
2330		Inland dunes with open <i>Corynephorus</i> and <i>Agrostis</i> grasslands	X			
2340	*	Pannonic inland dunes		X	X	X
3130		Oligotrophic to mesotrophic standing waters with vegetation of the <i>Littorelletea uniflorae</i> and/or of the <i>Isoëto-Nanojuncetea</i>	X	X	X	X
3140		Hard oligo-mesotrophic waters with benthic vegetation of <i>Chara</i> spp.	X			X
3150		Natural eutrophic lakes with <i>Magnopotamion</i> or <i>Hydrocharition</i> - type vegetation	X	X	X	X
3160		Natural dystrophic lakes and ponds		X	X	X
31A0	*	Transylvanian hot-spring lotus beds			X	
3260		Water courses of plain to montane levels with the <i>Ranunculion fluitantis</i> and <i>Callitricho-Batrachion</i> vegetation	X	X	X	X
3270		Rivers with muddy banks with <i>Chenopodion rubri</i> p.p. and <i>Bidention</i> p.p. vegetation	X	X	X	X
4030		European dry heaths	X	X		X
40A0	*	Subcontinental peri-Pannonic scrub	X	X	X	X
5130		<i>Juniperus communis</i> formations on heaths or calcareous grasslands	X	X		X
6110	*	Rupicolous calcareous or basophilic grasslands of the <i>Alysso-Sedion albi</i>	X	X		X
6120	*	Xeric sand calcareous grasslands				X
6190		Rupicolous pannonic grasslands ( <i>Stipo-Festucetalia pallentis</i> )	X	X		X
6210		Semi-natural dry grasslands and scrubland facies on calcareous substrates ( <i>Festuco-Brometalia</i> ) (* important orchid sites)	X	X		X
6230	*	Species-rich <i>Nardus</i> grasslands, on siliceous substrates in mountain areas (and submountain areas, in Continental Europe)		X		
6240	*	Sub-Pannonic steppic grasslands	X	X		X
6250	*	Pannonic loess steppic grasslands	X	X	SR	X
6260	*	Pannonic sand steppes	X	X	X	X
6410		<i>Molinia</i> meadows on calcareous, peaty or clayey-silt-laden soils ( <i>Molinion caeruleae</i> )	X	X	X	X

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6430		Hydrophilous tall herb fringe communities of plains and of the montane to alpine levels	X	X	X	X
6440		Alluvial meadows of river valleys of the <i>Cnidion dubii</i>	X	X	X	X
6510		Lowland hay meadows ( <i>Alopecurus pratensis</i> , <i>Sanguisorba officinalis</i> )	X	X	X	X
6520		Mountain hay meadows		X		
7110	*	Active raised bogs		X		
7140		Transition mires and quaking bogs		X		X
7150		Depressions on peat substrates of the <i>Rhynchosporion</i>				X
7210	*	Calcareous fens with <i>Cladium mariscus</i> and species of the <i>Caricion davallianae</i>		X		X
7220	*	Petrifying springs with tufa formation ( <i>Cratoneurion</i> )		X		
7230		Alkaline fens		X		X
8150		Medio-European upland siliceous screes		X		X
8160	*	Medio-European calcareous scree of hill and montane levels	X	X		X
8210		Calcareous rocky slopes with chasmophytic vegetation	X	X		X
8220		Siliceous rocky slopes with chasmophytic vegetation	X	X		X
8230		Siliceous rock with pioneer vegetation of the <i>Sedo-Scleranthion</i> or of the <i>Sedo albi-Veronicion dillenii</i>	X	X		X
8310		Caves not open to the public	X	X		X
9110		<i>Luzulo-Fagetum</i> beech forests		X		X
9130		<i>Asperulo-Fagetum</i> beech forests		X		X
9150		Medio-European limestone beech forests of the <i>Cephalanthero-Fagion</i>		X		X
9170		<i>Galio-Carpinetum</i> oak-hornbeam forests	X			
9180	*	<i>Tilio-Acerion</i> forests of slopes, screes and ravines	X	X		X
9190		Old acidophilous oak woods with <i>Quercus robur</i> on sandy plains				X
91E0	*	Alluvial forests with <i>Alnus glutinosa</i> and <i>Fraxinus excelsior</i> ( <i>Alno-Padion</i> , <i>Alnion incanae</i> , <i>Salicion albae</i> )	X	X		X
91F0		Riparian mixed forests of <i>Quercus robur</i> , <i>Ulmus laevis</i> and <i>Ulmus minor</i> , <i>Fraxinus excelsior</i> or <i>Fraxinus angustifolia</i> , along the great rivers ( <i>Ulmion minoris</i> )	X	X	X	X
91G0	*	Pannonic woods with <i>Quercus petraea</i> and <i>Carpinus betulus</i>	X	X		X
91H0	*	Pannonian woods with <i>Quercus pubescens</i>	X	X		X
91I0	*	Euro-Siberian steppic woods with <i>Quercus</i> spp.	X	X	X	X
91K0		Illyrian <i>Fagus sylvatica</i> forests ( <i>Aremonio-Fagion</i> )		X		

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91L0		Illyrian oak-hornbeam forests (Erythronio-Carpinion)		X		
91M0		Pannonian-Balkan turkey oak-sessile oak forests		X		X
91N0	*	Pannonic inland sand dune thicket (Junipero-Populetum albae)		X		X
91T0		Central European lichen Scots pine forests				X
92A0		Salix alba and Populus alba galleries			X	
<b>MAMMALS</b>						
1303		Rhinolophus hipposideros	X	X	X	X
1304		Rhinolophus ferrumequinum		X	X	X
1305		Rhinolophus euryale		X		X
1307		Myotis blythii	SR	X		X
1308		Barbastella barbastellus	X	X		X
1310		Miniopterus schreibersii		X		X
1318		Myotis dasycneme		X	X	X
1321		Myotis emarginatus	X	X		X
1323		Myotis bechsteinii	X	X		X
1324		Myotis myotis	X	X		X
1335		Spermophilus citellus	X	X	X	X
1337		Castor fiber	X	X	X	X
1352	*	Canis lupus		X		X
1355		Lutra lutra	X	X	X	X
1361		Lynx lynx		X		X
2021		Sicista subtilis		X		
2633		Mustela eversmanii	SR	X	X	X
4004	*	Microtus oeconomus mehelyi		X		X
<b>REPTILES</b>						
1220		Emys orbicularis		X	X	X
4121	*	Vipera ursinii rakosiensis		X		
<b>AMPHIBIANS</b>						
1166		Triturus cristatus	X	X	X	SR

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1167		<i>Triturus carnifex</i>	X	X		
1188		<i>Bombina bombina</i>	X	X	X	X
1193		<i>Bombina variegata</i>	SR	X	X	X
1993		<i>Triturus dobrogicus</i>	X	X	X	X
<b>FISH</b>						
1098		<i>Eudontomyzon</i> spp.		X		X
1105		<i>Hucho hucho</i>		X		X
1114		<i>Rutilus pigus</i>		X		X
1130		<i>Aspius aspius</i>	X	X	X	X
1138		<i>Barbus meridionalis</i>		X		X
1145		<i>Misgurnus fossilis</i>	X	X	X	X
1146		<i>Sabanejewia aurata</i>		X	X	X
1149		<i>Cobitis taenia</i>	X	X	X	X
1157		<i>Gymnocephalus schraetzer</i>	X	X	X	X
1159		<i>Zingel zingel</i>	X	X	X	X
1160		<i>Zingel streber</i>	X	X	X	X
1163		<i>Cottus gobio</i>		X		X
2011		<i>Umbra krameri</i>		X	X	X
2522		<i>Pelecus cultratus</i>	X	X	X	X
2555		<i>Gymnocephalus baloni</i>	X	X	X	X
5339		<i>Rhodeus amarus</i>	X	X	X	X
6143		<i>Romanogobio kesslerii</i>		X	X	X
6144		<i>Romanogobio albipinnatus</i>	X	X	X	X
6145		<i>Romanogobio uranoscopus</i>		X	X	X
<b>INVERTEBRATES</b>						
1014		<i>Vertigo angustior</i>	X	X		X
1016		<i>Vertigo moulinsiana</i>	X	X		X
1032		<i>Unio crassus</i>	X	X	X	X
1037		<i>Ophiogomphus cecilia</i>	X	X	X	X

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1042		Leucorrhinia pectoralis		X		X
1060		Lycaena dispar	X	X	X	X
1065		Euphydryas aurinia		X		
1071		Coenonympha oedippus		X		
1074		Eriogaster catax	X	X	X	X
1079		Limoniscus violaceus		X		X
1082		Graphoderus bilineatus		X		X
1083		Lucanus cervus	X	X	X	X
1084	*	Osmoderma eremita	X	X		X
1086		Cucujus cinnaberinus	X	X		X
1087	*	Rosalia alpina		X		X
1088		Cerambyx cerdo	X	X	X	X
1089		Morimus funereus		X		X
1093	*	Austropotamobius torrentium		X		
4011		Bolbelasmus unicornis	X	X		X
4012		Carabus hampei		X		
4013		Carabus hungaricus	X	X	X	X
4014		Carabus variolosus		X		X
4015		Carabus zawadzki		X		
4016		Dorcadion fulvum cervae		X		
4017		Duvalius gebhardti		X		
4018		Duvalius hungaricus		X		X
4020		Pilemia tigrina		X		
4022		Probaticus subrugosus		X		
4026		Rhysodes sulcatus		X		X
4027		Arytrura musculus		X	X	
4028		Catopta thrips		X		
4029		Chondrosoma fiduciarium		X		
4030		Colias myrmidone		X		X

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4031		Cucullia mixta		X		
4032		Dioszeghyana schmidtii		X	X	X
4033		Erannis ankeraria		X		
4034		Glyphipterix loricatella		X		
4035		Gortyna borelii lunata		X	X	
4036		Leptidea morsei		X		X
4037		Lignyopectera fumidaria		X		
4040		Phyllometra culminaria		X		
4041		Polymixis rufocincta isolata		X		
4045		Coenagrion ornatum		X	X	X
4046		Cordulegaster heros		X		X
4048		Isophya costata		X		
4050		Isophya stysi		X		X
4052		Odontopodisma rubripes		X	X	X
4053		Paracaloptenus caloptenoides		X		X
4054		Pholidoptera transsylvanica		X		X
4055		Stenobothrus eurasius		X		X
4056		Anisus vorticulus	X	X	X	X
4057		Chilostoma banaticum		X	X	
4059		Hygromia kovacsi		X		
4062	*	Paladilhia hungarica		X		
4063		Sadleriana pannonica		X		X
4064		Theodoxus transversalis		X		
6169		Euphydryas maturna		X	X	X
6177		Phengaris teleius	SR	X	X	X
6179		Phengaris nausithous	SR	X		X
6199	*	Euplagia quadripunctaria	X	X	X	X
<b>PLANTS</b>						
1379		Mannia triandra		X		

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1381		Dicranum viride		X		
1386		Buxbaumia viridis		X		
1428		Marsilea quadrifolia		X	X	X
1477		Pulsatilla patens		X		X
1516		Aldrovanda vesiculosa		X	X	
1614		Apium repens		X		X
1617		Angelica palustris		X	X	X
1689		Dracocephalum austriacum	X	X		X
1832		Caldesia parnassifolia		X		
1898		Eleocharis carniolica		X	X	
1902		Cypripedium calceolus	X	X		X
1903		Liparis loeselii		X		X
1917	*	Artemisia pancicii	X			
2093		Pulsatilla grandis	X	X		X
2097		Paeonia officinalis subsp. banatica		X		
2120		Thlaspi jankae		X		X
2156	*	Linum dolomiticum		X		
2170	*	Ferula sadleriana		X		
2188		Vincetoxicum pannonicum		X		
2203	*	Onosma tornensis		X		X
2285		Colchicum arenarium		X		X
2327		Himantoglossum caprinum		X		X
4067		Echium russicum	X	X		X
4068		Adenophora lilifolia		X	X	X
4074	*	Dianthus diutinus		X		
4075	*	Dianthus lumnitzeri	X	X		X
4076	*	Dianthus moravicus	X			
4077		Dianthus plumarius subsp. regis-stephani		X		
4081		Cirsium brachycephalum	X	X	X	X

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4091		Crambe tataria	X	X		X
4096		Gladiolus palustris	X	X		X
4097		Iris aphylla subsp. hungarica		X	X	X
4098		Iris humilis subsp. arenaria	X	X	X	X
4104		Himantoglossum adriaticum		X		X
4110	*	Pulsatilla pratensis subsp. hungarica		X	X	X
4112	*	Pyrus magyarica		X		
4118		Seseli leucospermum		X		
6282	*	Klasea lycopifolia	X	X		