

## Habitats checklist and their overall conservation status

P = present

Code	Habitat short name	Annex	PAN
1530	Pannonic salt steppes and salt marshes	I*	P
2340	Pannonic inland dunes	I*	P
3130	Oligo to mesotrophic waters (Littorelletea/Isoeto-Nano)	I	P
3150	Natural eutrophic lakes Magnopotamion/ Hydrochachition	I	P
3160	Natural dystrophic lakes and ponds	I	P
3260	Water courses of plain to montane level (Ranunculion..)	I	P
3270	Rivers with muddy banks (Chenopodion rubri & Bidention)	I	P
4030	European dry heaths	I	P
40A0	Subcontinental peri-Pannonic scrub	I*	P
5130	Juniperus communis formations on heaths/calcar. grassl.	I	P
6110	Rupicolous calcareous/basophilic grassl. Alysso-Sedion	I*	P
6190	Rupicolous Pann. grassl. Stipo-Festucetalia pallentis	I	P
6210	Seminatural dry grassl. & scrubland facies on calc. sub	I	P
6230	Species-rich Nardus grasslands, on siliceous substrates	I*	P
6240	Sub-continental steppic grasslands	I*	P
6250	Pannonic loess steppic grasslands	I*	P
6260	Pannonic sand steppes	I*	P
6410	Molinia meadows on calc./peaty/clavey-silt-ladean soils	I	P
6430	Hydrophilous tall herb fringe comm. of plains & montane	I	P
6440	Alluvial meadows of river valleys of the Cnidion dubii	I	P
6510	Lowland hay meadows (Alopecurus pratensis, Sanguisorba)	I	P
6520	Mountain hay meadows	I	P
7110	Active raised bogs	I*	P
7140	Transition mires and quaking bogs	I	P
7210	Calc. fens with Cladium mariscus & Caricion davallianae	I*	P
7220	Petrifying springs with tufa formation (Cratoneurion)	I*	P
7230	Alkaline fens	I	P
8150	Medio-European upland siliceous screes	I	P
8160	Medio-European calcareous scree of hill & montane level	I*	P
8210	Calcareous rocky slopes with chasmophytic vegetation	I	P
8220	Siliceous rocky slopes with chasmophytic vegetation	I	P
8230	Siliceous rock with pioneer veg. Sedo-Sclerathion/Veron	I	P
8310	Caves not open to the public	I	P
9110	Luzulo-Fagetum beech forests	I	P
9130	Asperulo-Fagetum beech forests	I	P
9150	Medio-Europ. limestone beech forests Cephalanthero-Fagi	I	P
9180	Tilio-Acerion forest of slopes, screes and ravines	I*	P
91E0	Alluvial forests with Alnus glutinosa & F. excelsior	I*	P
91F0	Riparian mixed forest of Quercus robur, Ulmus laevis..	I	P
91G0	Pannonic woods with Q. petraea & Carpinus betululus	I*	P
91H0	Pannonian woods with Quercus pubescens	I*	P
91I0	Euro-Siberian steppic woods with Quercus spp.	I*	P
91K0	Illyrian Fagus sylvatica forests (Aremonio-Fagion)	I	P
91L0	Illyrian oak-hornbeam forests (Erythronio-carpinion)	I	P
91M0	Pannonian-Balkan turkey oak-sessile oak forests	I	P
91N0	Pann. inland sand dune thicket Junipero-Populetum albae	I*	P

## Species checklist and their overall conservation status

P = present

EX = extinct (probably extinct) after Habitat Directive came into force

Species group	Code	Species name	Annex			PAN
Non-vascular plants	1386	<i>Buxbaumia viridis</i>	II			P
	5113	<i>Cladonia</i> spp. (subgenus <i>Cladina</i> )			V	P
	1381	<i>Dicranum viride</i>	II			P
	1400	<i>Leucobryum glaucum</i>			V	P
	1409	<i>Sphagnum</i> spp.			V	P
Ferns and fern allies	1413	<i>Lycopodium</i> spp.			V	P
	1428	<i>Marsilea quadrifolia</i>	II	IV		P
Flowering plants	4068	<i>Adenophora lilifolia</i>	II	IV		P
	1516	<i>Aldrovanda vesiculosa</i>	II	IV		P
	1617	<i>Angelica palustris</i>	II	IV		P
	1614	<i>Apium repens</i>	II	IV		P
	1832	<i>Caldesia parnassifolia</i>	II	IV		P
	4081	<i>Cirsium brachycephalum</i>	II	IV		P
	2285	<i>Colchicum arenarium</i>	II	IV		P
	4091	<i>Crambe tataria</i>	II	IV		P
	1902	<i>Cypripedium calceolus</i>	II	IV		P
	4074	<i>Dianthus diutinus</i>	II*	IV		P
	4075	<i>Dianthus lumnitzeri</i>	II*	IV		P
	4077	<i>Dianthus plumarius</i> ssp. <i>regis-stephani</i>	II	IV		P
	1689	<i>Dracocephalum austriacum</i>	II	IV		P
	4067	<i>Echium russicum</i>	II	IV		P
	1898	<i>Eleocharis carniolica</i>	II	IV		P
	2170	<i>Ferula sadleriana</i>	II*	IV		P
	1866	<i>Galanthus nivalis</i>			V	P
	4096	<i>Gladiolus palustris</i>	II	IV		P
	4104	<i>Himantoglossum adriaticum</i>	II	IV		P
	2327	<i>Himantoglossum caprinum</i>	II	IV		P
	4097	<i>Iris aphylla</i> ssp. <i>hungarica</i>	II	IV		P
	4098	<i>Iris humilis</i> ssp. <i>arenaria</i>	II	IV		P
	1725	<i>Lindernia procumbens</i>		IV		P
	2156	<i>Linum dolomiticum</i>	II*	IV		P
	1903	<i>Liparis loeselii</i>	II	IV		P
	2203	<i>Onosma tornensis</i>	II*	IV		P
	2097	<i>Paeonia officinalis</i> ssp. <i>banatica</i>	II	IV		P
	2093	<i>Pulsatilla grandis</i>	II	IV		P
	1477	<i>Pulsatilla patens</i>	II	IV		P
	4110	<i>Pulsatilla pratensis</i> ssp. <i>hungarica</i>	II*	IV		P
	4112	<i>Pyrus magyarica</i>	II*	IV		P
	1849	<i>Ruscus aculeatus</i>			V	P
	4087	<i>Serratula lycopifolia</i>	II*	IV		P
	4118	<i>Seseli leucospermum</i>	II	IV		P
	2120	<i>Thlaspi jankae</i>	II	IV		P
	2188	<i>Vincetoxicum pannonicum</i>	II	IV		P
	Molluscs	4056	<i>Anisus vorticulus</i>	II	IV	
4057		<i>Chilostoma banaticum</i>	II	IV		P
1026		<i>Helix pomatia</i>			V	P
4059		<i>Hygromia kovacsi</i>	II	IV		P
4062		<i>Paladilhia hungarica</i>	II*	IV		P

Species group	Code	Species name	Annex			PAN
	4063	<i>Sadleriana pannonica</i>	II	IV		P
	5102	<i>Theodoxus prevostianus</i>		IV		P
	4064	<i>Theodoxus transversalis</i>	II	IV		P
	1032	<i>Unio crassus</i>	II	IV		P
	1014	<i>Vertigo angustior</i>	II			P
	1016	<i>Vertigo moulinsiana</i>	II			P
Annelids	1034	<i>Hirudo medicinalis</i>			V	P
Arthropods	1048	<i>Aeshna viridis</i>		IV		P
	1066	<i>Apatura metis</i>		IV		P
	4027	<i>Arytrura musculus</i>	II	IV		P
	1091	<i>Astacus astacus</i>			V	P
	1093	<i>Austropotamobius torrentium</i>	II*		V	P
	4011	<i>Bolbelasmus unicornis</i>	II	IV		P
	1078	<i>Callimorpha quadripunctaria</i>	II*			P
	4012	<i>Carabus hampei</i>	II	IV		P
	4013	<i>Carabus hungaricus</i>	II	IV		P
	4014	<i>Carabus variolosus</i>	II	IV		P
	4015	<i>Carabus zawadzskii</i>	II	IV		P
	4028	<i>Catopta thrips</i>	II	IV		P
	1088	<i>Cerambyx cerdo</i>	II	IV		P
	4029	<i>Chondrosoma fiduciarium</i>	II	IV		P
	4045	<i>Coenagrion ornatum</i>	II			P
	1071	<i>Coenonympha oedippus</i>	II	IV		P
	4030	<i>Colias myrmidone</i>	II	IV		P
	4046	<i>Cordulegaster heros</i>	II	IV		P
	1086	<i>Cucujus cinnaberinus</i>	II	IV		P
	4031	<i>Cucullia mixta</i>	II	IV		P
	4032	<i>Dioszeghyana schmidtii</i>	II	IV		P
	4016	<i>Dorcadion fulvum cervae</i>	II	IV		P
	4017	<i>Duvalius gebhardtii</i>	II	IV		P
	4018	<i>Duvalius hungaricus</i>	II	IV		P
	4033	<i>Erannis ankeraria</i>	II	IV		P
	1074	<i>Eriogaster catax</i>	II	IV		P
	1065	<i>Euphydryas aurinia</i>	II			P
	4034	<i>Glyhipterix loricatella</i>	II	IV		P
	4035	<i>Gortyna borellii lunata</i>	II	IV		P
	1082	<i>Graphoderus bilineatus</i>	II	IV		P
	1052	<i>Hypodryas maturna</i>	II	IV		P
	4048	<i>Isophya costata</i>	II	IV		P
	4050	<i>Isophya stysi</i>	II	IV		P
	4036	<i>Leptidea morsei</i>	II	IV		P
	1035	<i>Leucorrhinia caudalis</i>		IV		P
	1042	<i>Leucorrhinia pectoralis</i>	II	IV		P
	4037	<i>Lignyoptera fumidaria</i>	II	IV		P
	1079	<i>Limoniscus violaceus</i>	II			P
	1067	<i>Lopinga achine</i>		IV		P
	1083	<i>Lucanus cervus</i>	II			P
	1060	<i>Lycaena dispar</i>	II	IV		P
	1058	<i>Maculinea arion</i>		IV		P
	1061	<i>Maculinea nausithous</i>	II	IV		P
	1059	<i>Maculinea teleius</i>	II	IV		P
	1089	<i>Morimus funereus</i>	II			P
	4052	<i>Odontopodisma rubripes</i>	II	IV		P

Species group	Code	Species name	Annex			PAN
	1037	<i>Ophiogomphus cecilia</i>	II	IV		P
	1084	<i>Osmoderma eremita</i>	II*	IV		P
	4053	<i>Paracaloptenus caloptenoides</i>	II	IV		P
	1056	<i>Parnassius mnemosyne</i>		IV		P
	4054	<i>Pholidoptera transsylvanica</i>	II	IV		P
	4040	<i>Phyllometra culminaria</i>	II	IV		P
	4020	<i>Pilemia tigrina</i>	II	IV		P
	4041	<i>Polymixis rufocincta isolata</i>	II	IV		P
	4022	<i>Probaticus subrugosus</i>	II	IV		P
	1076	<i>Proserpinus proserpina</i>		IV		P
	4026	<i>Rhysodes sulcatus</i>	II			P
	1087	<i>Rosalia alpina</i>	II*	IV		P
	1050	<i>Saga pedo</i>		IV		P
	4055	<i>Stenobothrus eurasius</i>	II	IV		P
	1040	<i>Stylurus flavipes</i>		IV		P
	1053	<i>Zerynthia polyxena</i>		IV		P
Fish	2487	<i>Acipenser ruthenus</i>			V	P
	1130	<i>Aspius aspius</i>	II		V	P
	5085	<i>Barbus barbus</i>			V	P
	1138	<i>Barbus meridionalis</i>	II		V	P
	1149	<i>Cobitis taenia</i>	II			P
	1163	<i>Cottus gobio</i>	II			P
	1098	<i>Eudontomyzon spp.</i>	II			P
	1124	<i>Gobio albipinnatus</i>	II			P
	2511	<i>Gobio kessleri</i>	II			P
	1122	<i>Gobio uranoscopus</i>	II			P
	2555	<i>Gymnocephalus baloni</i>	II	IV		P
	1157	<i>Gymnocephalus schraetzer</i>	II		V	P
	1105	<i>Hucho hucho</i>	II		V	P
	1145	<i>Misgurnus fossilis</i>	II			P
	2522	<i>Pelecus cultratus</i>	II		V	P
	1134	<i>Rhodeus sericeus amarus</i>	II			P
	1114	<i>Rutilus pigus</i>	II		V	P
	1146	<i>Sabanejewia aurata</i>	II			P
	2011	<i>Umbra krameri</i>	II			P
	1160	<i>Zingel streber</i>	II			P
	1159	<i>Zingel zingel</i>	II		V	P
Amphibians	1188	<i>Bombina bombina</i>	II	IV		P
	1193	<i>Bombina variegata</i>	II	IV		P
	1201	<i>Bufo viridis</i>		IV		P
	1203	<i>Hyla arborea</i>		IV		P
	1197	<i>Pelobates fuscus</i>		IV		P
	1214	<i>Rana arvalis</i>		IV		P
	1209	<i>Rana dalmatina</i>		IV		P
	1210	<i>Rana esculenta</i>			V	P
	1207	<i>Rana lessonae</i>		IV		P
	1212	<i>Rana ridibunda</i>			V	P
	1213	<i>Rana temporaria</i>			V	P
	1167	<i>Triturus carnifex</i>	II	IV		P
	1166	<i>Triturus cristatus</i>	II	IV		P
	1993	<i>Triturus dobrogicus</i>	II	IV		P
Reptiles	1276	<i>Ablepharus kitaibelii</i>		IV		P
	1278	<i>Coluber caspius</i>		IV		P

Species group	Code	Species name	Annex		PAN
	1283	<i>Coronella austriaca</i>		IV	P
	1281	<i>Elaphe longissima</i>		IV	P
	1220	<i>Emys orbicularis</i>	II	IV	P
	1261	<i>Lacerta agilis</i>		IV	P
	1263	<i>Lacerta viridis</i> (including <i>L. bilineata</i> )		IV	P
	5037	<i>Lacerta vivipara pannonica</i>		IV	P
	1292	<i>Natrix tessellata</i>		IV	P
	1256	<i>Podarcis muralis</i>		IV	P
	1248	<i>Podarcis taurica</i>		IV	P
	4121	<i>Vipera ursinii rakosiensis</i>	II*		P
Mammals	1308	<i>Barbastella barbastellus</i>	II	IV	P
	1353	<i>Canis aureus</i>		V	P
	1352	<i>Canis lupus</i>	II*	IV	P
	1337	<i>Castor fiber</i>	II	IV	P
	1339	<i>Cricetus cricetus</i>		V	P
	1342	<i>Dryomys nitedula</i>		IV	P
	1313	<i>Eptesicus nilssonii</i>		IV	P
	1327	<i>Eptesicus serotinus</i>		IV	P
	1363	<i>Felis silvestris</i>		IV	P
	1355	<i>Lutra lutra</i>	II	IV	P
	1361	<i>Lynx lynx</i>	II	IV	P
	1357	<i>Martes martes</i>		V	P
	4004	<i>Microtus oeconomus mehelyi</i>	II*	IV	P
	1310	<i>Miniopterus schreibersii</i>	II	IV	P
	1341	<i>Muscardinus avellanarius</i>		IV	P
	2633	<i>Mustela eversmanii</i>	II	IV	P
	1358	<i>Mustela putorius</i>		V	P
	5003	<i>Myotis alcathoe</i>		IV	P
	1323	<i>Myotis bechsteinii</i>	II	IV	P
	1307	<i>Myotis blythii</i>	II	IV	P
	1320	<i>Myotis brandtii</i>		IV	P
	1318	<i>Myotis dasycneme</i>	II	IV	P
	1314	<i>Myotis daubentonii</i>		IV	P
	1321	<i>Myotis emarginatus</i>	II	IV	P
	1324	<i>Myotis myotis</i>	II	IV	P
	1330	<i>Myotis mystacinus</i>		IV	P
	1322	<i>Myotis nattereri</i>		IV	P
	1328	<i>Nyctalus lasiopterus</i>		IV	P
	1331	<i>Nyctalus leisleri</i>		IV	P
	1312	<i>Nyctalus noctula</i>		IV	P
	5008	<i>Pipistrellus kuhlii</i>		IV	P
	1317	<i>Pipistrellus nathusii</i>		IV	P
	1309	<i>Pipistrellus pipistrellus</i>		IV	P
	5009	<i>Pipistrellus pygmaeus</i>		IV	P
	1311	<i>Pipistrellus savii</i>		IV	P
	1326	<i>Plecotus auritus</i>		IV	P
	1329	<i>Plecotus austriacus</i>		IV	P
	1305	<i>Rhinolophus euryale</i>	II	IV	P
	1304	<i>Rhinolophus ferrumequinum</i>	II	IV	P
	1303	<i>Rhinolophus hipposideros</i>	II	IV	P
	2021	<i>Sicista subtilis</i>	II	IV	P
	1335	<i>Spermophilus citellus</i>	II	IV	P
	1332	<i>Vespertilio murinus</i>		IV	P

### **Species and habitats that are not included in the lists above**

MAR = marginal habitat

PEX = extinct (probably extinct) prior Habitat Directive came into force

OCC = occasional, vagrant or marginal species

INT = introduced species

NA = species not listed in the annexes of the Habitat Directive

Species name / Habitat code	Region	Status
<i>Arnica montana</i>	PAN	INT
<i>Spiranthes aestivalis</i>	PAN	PEX

### **Changes requested by MS that were not taken into consideration**

The ETC/BD will explain in a separate document why the requested changes were not made.

Species name / Habitat code	Region	Change requested
3260	PAN	MAR
4030	PAN	MAR
6110	PAN	MAR
6230	PAN	MAR
7110	PAN	MAR
7140	PAN	MAR
7220	PAN	MAR
8150	PAN	MAR
8160	PAN	MAR
8220	PAN	MAR
8230	PAN	MAR
<i>Adenophora lilifolia</i>	PAN	MAR
<i>Buxbaumia viridis</i>	PAN	OCC
<i>Canis lupus</i>	PAN	OCC
<i>Chondrosoma fiduciarium</i>	PAN	EX
<i>Colias myrmidone</i>	PAN	PEX
<i>Glyphipterix loricatella</i>	PAN	EX
<i>Leptidea morsei</i>	PAN	EX
<i>Lynx lynx</i>	PAN	OCC
<i>Pulsatilla patens</i>	PAN	EX
<i>Buxbaumia viridis</i>	PAN	OCC
<i>Canis lupus</i>	PAN	OCC
<i>Chondrosoma fiduciarium</i>	PAN	EX
<i>Colias myrmidone</i>	PAN	PEX
<i>Glyphipterix loricatella</i>	PAN	EX
<i>Leptidea morsei</i>	PAN	EX
<i>Lynx lynx</i>	PAN	OCC
<i>Pulsatilla patens</i>	PAN	EX