

Reference List of Natura 2000 Habitat types that occur in the Republic of Serbia

NZK code	Amendment to Annex I	Amendment to No. of habitat	EU 28	Priority	NATURA 2000 - EUROPEAN UNION HABITATS (Annex I) Serbian name	NATURA 2000 - EUROPEAN UNION HABITATS (Annex I) English name	Pannonian PAN	Continental CON	Notes and explanations
1340				*	Kopnene slane travne formacije	Inland salt meadows	?	X	
1530				*	Panonske slane stepe i slani ritovi	Pannonic salt steppes and salt marshes	X	X	
2190					Vlažne dinske depresije	Humid dune slacks	X		Questionable according to the ver.3 of the Serbian interpretation manual of habitat types
2340				*	Panonske peščane dune	Pannonic inland dunes	X	?	
3130					Oligotrofne do mezotrofne stajaće vode sa vegetacijom (Littorelletea uniflorae) i/ili (Isoëto-Nanojuncetetea)	Oligotrophic to mesotrophic standing waters with vegetation of the Littorelletea uniflorae and/or of the Isoëto-Nanojuncetetea	X	X	
3140					Tvrde oligo-mezotrofne vode sa (Chara) spp. bentosnom vegetacijom	Hard oligo-mesotrophic waters with benthic vegetation of Chara spp.	X	X	
3150					Prirodna eutrofnog jezera sa vegetacijom tipa (Magnopotamion) ili (Hydrocharition)	Natural eutrophic lakes with Magnopotamion or Hydrocharition - type vegetation	X	X	
3160					Prirodna distrofnog jezera i bare	Natural dystrophic lakes and ponds	?	?	Questionable according to the ver.3 of the Serbian interpretation manual of habitat types. It is a possibility that smaller water surfaces that could have dystrophic characteristics can still be found in Serbia.
3220					Alpske reke i zeljasta vegetacija duž njihovih obala	Alpine rivers and the herbaceous vegetation along their banks		X	
3230					Alpske reke i njihova drvenasta vegetacija sa (Myricaria germanica)	Alpine rivers and their ligneous vegetation with Myricaria germanica		X	
3240					Alpske reke i njihova drvenasta vegetacija sa (Salix elaeagnos)	Alpine rivers and their ligneous vegetation with Salix elaeagnos		?	Insufficient amount of data to confirm the presence
3260					Vodeni tokovi sa vegetacijom vodenih ljutica (Ranunculion fluitantis, Callitriche-Batrachion)	Water courses of plain to montane levels with the Ranunculion fluitantis and Callitriche-Batrachion vegetation	X	X	
3270					Reke sa muljevitim obalama sa (Chenopodium rubri) p.p. (Bidentation) p.p. vegetacijom	Rivers with muddy banks with Chenopodium rubri p.p. and Bidentation p.p. vegetation	X	X	
4030					Evropske suve vrištine	European dry heaths		X	Questionable according to the ver.3 of the Serbian interpretation manual of habitat types
4060					Alpske i Borealne vrištine	Alpine and Boreal heaths		X	
4070				*	*Žbunaste zajednice sa (Pinus mugo) and (Rhododendron hirsutum) (Mugo-Rhododendretum hirsuti)	Bushes with Pinus mugo and Rhododendron hirsutum (Mugo-Rhododendretum hirsuti)		X	
4080					Sub-arktčki žbunjak sa (Salix) spp.	Sub-Arctic Salix spp. scrub		X	
4090					Endemične oromediteranske ježolike vrištine	Endemic oro-Mediterranean heaths with gorse		?	Questionable according to the ver.3 of the Serbian interpretation manual of habitat types. Although the species <i>Astragalus angustifolius</i> is present in eastern Serbia, the habitats for which it has been registered have not been phytocoenological described. Therefore, it cannot be said with certainty that habitats of this type exist in Serbia.
40A0				*	Subkontinentalni peripanonski šibljaci	Subcontinental peri-Pannonic scrub	X	X	
5110					Stabilne kserotermofilne formacije šimšira (Buxus sempervirens) na kamenitim padinama (Berberidion p.p.)	Stable xerothermophilous formations with Buxus sempervirens on rock slopes (Berberidion p.p.)		?	Questionable according to the ver.3 of the Serbian interpretation manual of habitat types
5130					Formacije (Juniperus communis) na vrištinama ili krečnjačkim travnim predelima	Juniperus communis formations on heaths or calcareous grasslands	X	X	
5210					Drvenasti matoral sa (Juniperus) spp.	Arborescent matoral with Juniperus spp.		X	
6110				*	Zeljaste zajednice na krotinama krečnjačkih i bazilinih stena (Alyso-Sedion albi)	Rupicolous calcareous or basophilic grasslands of the Alyso-Sedion albi		X	
6150					Silikatni alpski i borealni travni predeli	Siliceous alpine and boreal grasslands		X	
6170			X		Alpske i subalpske krečnjačke travne formacije	Alpine and subalpine calcareous grasslands		X	Amendment to Interpretation Manual according to the Serbian (IV/2018) Request for amendments of Annex I, II, IV & V of the Habitats Directive and amendments of definitions of certain habitat types in Interpretation manual of EU habitats; proposed amendment in to the description: "and the carbonate and ultramafic grasslands of the subalpine and alpine levels of the Dinaric and Scardic highest mountains of the Balkan Peninsula"
6210					Polu-prirodne suve travne formacije sa facijesima žbunjaka na krečnjačkim supstratima (Festuco-Brometalia)	Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia)	X	X	
6210				*	Polu-prirodne suve travne formacije sa facijesima žbunjaka na krečnjačkim supstratima (Festuco-Brometalia) (*važne mesta za orchideje)	Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)	?	X	Important orchid sites need to be identified by the field mapping
6230				*	* Vrstama bogate travne zajednice tvrdače (Nardus), na silikatnim supstratima u planinskim predelima (i sub-montanim površinama u Centralnoj Evropi)	Species-rich Nardus grasslands, on siliceous substrates in mountain areas (and submountain areas, in Continental Europe)		X	
6240				*	*Subpanonske stepске travne formacije	Sub-Pannonic steppe grasslands	X	X	
6250				*	*Panonske lesne stepске travne formacije	Pannonic loess steppic grasslands	X	X	
6260				*	*Panonske peščane stepe	Pannonic sand steppes	X	X	
62A0					Istočnomediterranske suve travne formacije (Scorzoneratalia villosae)	Eastern sub-Mediterranean dry grasslands (Scorzoneratalia villosae)		?	
62D0					Oro-mezijske acidofilne travne formacije	Oro-Moesian acidophilous grasslands		X	
62F0 (62E0)	X	X			Suvi balkanski stepoliki serpentinitiski kamenjari (Halacsyetalia sendtneri)	Dry Balkan serpentinitophilous stepic grasslands (Halacsyetalia sendtneri)		X	As "62E0" is proposed as amendment to Annex I according to the Serbian (IV/2018) Request for amendments of Annex I, II, IV & V of the Habitats Directive and amendments of definitions of certain habitat types in Interpretation manual of EU habitats; as "62F0" is described in the Interpretation Manual of the habitat types of EU importance for Serbia - second draft - IX/2019 - Lakušić et al.; desktop analyse data for alpine region are only in Kosovo, but it is high assumption of presence also in central Serbia alpine region
6410					Hidrofilne livade i tresave beskolneke (Molinia caerulea)	Molinia meadows on calcareous, peaty or clayey-silt-laden soils (Molinion caeruleae)	X	X	
6430					Hidrofilne visoke zeleni	Hydrophilous tall herb fringe communities of plains and of the montane to alpine levels		X	
6440					Aluvijalne livade rečnih dolina	Alluvial meadows of river valleys of the Cnidion dubii	X	X	In phytocoenological terms, typical <i>Cnidion dubii</i> communities are not present in Serbia. The alluvial meadows affected by the Mediterranean-sub-Mediterranean climate belong to the <i>Trifolion resupinati</i> and <i>Molinia-Hordeum secalini</i> , and the subcontinental-continental alluvial meadows to the <i>Trifolion pavidum</i> and <i>Trifolium-Ranunculion pedate</i> s. In addition, alluvial meadows with <i>Molinia caerulea</i> sedimentation are classified as 6410. Unlike <i>Molinion</i> meadows developed in river alluvials develop on nutrient-rich mineral soils, peat is absent (due to flooding), and species typical of vegetation of wet meadows and wetlands do not occur in communities.
6450					Severne borealne aluvijalne livade	Northern Boreal alluvial meadows	?	X	? - northern boreal alluvial meadows presence in EU only in north Europe - Estonia, Finland and Sweden
6510					Nizijske visoke livade (Alopecurus pratensis, Sanguisorba officinalis)	Lowland hay meadows (Alopecurus pratensis, Sanguisorba officinalis)	X	X	
6520					Planinske visoke livade	Mountain hay meadows		X	
7140					Prelazne močvare i tresave	Transition mires and quaking bogs		X	
7220				*	*Okamenjeni izvori sa formacijom tufa (Cratoneurion)	Petrifying springs with tufa formation (Cratoneurion)		X	
7230					Bazne močvare	Alkaline fens	?	X	
8110					Silikatni sipari montanog do snežnog nivoa (Androsacetalia alpinae i Galeopsietalia ladani)	Siliceous scree of the montane to snow levels (Androsacetalia alpinae and Galeopsietalia ladani)		X	

8120				Krečnjački i škrljasti sipari montanog do alpskog nivoa (<i>Thlaspietea rotundifolii</i>)	Calcareous and calcichist screes of the montane to alpine levels (<i>Thlaspietea rotundifolii</i>)		X	
8140				Istočno-mediteranski sipari	Eastern Mediterranean screes		?	
8210				Krečnjačke stenovite padine sa hazmofitskom vegetacijom	Calcareous rocky slopes with chasmophytic vegetation		X	
8220				Silikatne stenovite padine sa hazmofitskom vegetacijom	Siliceous rocky slopes with chasmophytic vegetation		X	
8230				Pionirske zajednice na krotinama silikatnih stena (Sedo-Scleranthion)	Siliceous rock with pioneer vegetation of the Sedo-Scleranthion or of the Sedo albi-Veronicion dillenii		X	
8310				Pečine zatvorene za javnost	Caves not open to the public		X	
9110				(Luzulo-Fagetum) bukove šume	Luzulo-Fagetum beech forests	X	X	
9160				Subatlantske i srednjeevropske hrastove i hrastovco-grabove šume (Carpinion betuli)	Sub-Atlantic and medio-European oak or oak-hornbeam forests of the Carpinion betuli	X	?	
9180			*	(Tilio-Acerion) šume na padinama, siparima i klisurama forests of slopes, screes and ravines	Tilio-Acerion forests of slopes, screes and ravines	X	X	
91D0			*	* Šumske formacije na tresavama	Bog woodland		?	Questionable according to the ver.3 of the Serbian interpretation manual of habitat types
91E0			*	* Aluvijalne šume jove (<i>Alnus glutinosa</i>) i jaseva (<i>Fraxinus excelsior</i>) (<i>Alno-Padion</i> , <i>Alnion incanae</i> , <i>Salicion albae</i>)	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	
91F0				Poplavne mešovite šume sa <i>Quercus robur</i> , <i>Ulmus laevis</i> and <i>Ulmus minor</i> , <i>Fraxinus excelsior</i> ili <i>Fraxinus angustifolia</i> , duž velikih reka (<i>Ulmion minoris</i>)	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	
91G0			*	* Panonske šume sa <i>Quercus petraea</i> i <i>Carpinus betulus</i>	Pannonic woods with <i>Quercus petraea</i> and <i>Carpinus betulus</i>	X	?	
91H0			*	* Panonske šume sa <i>Quercus pubescens</i>	Pannonian woods with <i>Quercus pubescens</i>	X	?	
91I0			*	* Euro-Sibirske stepске šume sa hrastovima <i>Quercus spp.</i>	Euro-Siberian steppic woods with <i>Quercus spp.</i>	X	X	
91K0				Ilirske šume bukve (<i>Aremonio-Fagion</i>)	Illyrian <i>Fagus sylvatica</i> forests (<i>Aremonio-Fagion</i>)		X	
91L0				Ilirske šume kitnjaka (<i>Quercus petraea</i>) i graba (<i>Carpinus betulus</i>)	Illyrian oak-hornbeam forests (<i>Erythronio-Carpinion</i>)		X	
91M0				Panonsko-balkanske šume sladuna (<i>Quercus frainetto</i>), cera (<i>Quercus cerris</i>) i kitnjaka (<i>Quercus petraea</i>)	Pannonian-Balkan turkey oak-sessile oak forests	X	X	
91N0			*	* Panonske šumostepe sa klekama i topolom (<i>Junipero-Populetum albae</i>)	Pannonic inland sand dune thicket (<i>Junipero-Populetum albae</i>)	X	?	
91R0				Dinarske borove šume na dolomitima (<i>Genisto januensis-Pinetum</i>)	Dinaric dolomite Scots pine forests (<i>Genisto januensis-Pinetum</i>)		?	
91W0		X		Moesian beech forests	Moesian beech forests	X	X	It is included to the Interpretation Manual of the habitat types of EU importance for Serbia - second draft - IX/2019 - Lakušić et al.; it is included in data desktop analyses as 91W0 and in several groups "beech habitat types"; amendment to Interpretation Manual according to the Serbian (IV/2018) Request for amendments of Annex I, II, IV & V of the Habitats Directive and amendments of definitions of certain habitat types in Interpretation manual of EU habitats; proposed amendment in to the description: "the inner Dinarides (West Serbian mountains) and Pannonian hills in Vojvodina"
91Y0				Dakijske šume kitnjaka (<i>Quercus petraea</i>) i graba (<i>Carpinus betulus</i>)	Dacian oak & hornbeam forests	X	X	
91Z0				Šume bele lipe (<i>Tilia tomentosa</i>)	Moesian silver lime woods	X	X	
91AA			*	Istočne šume medunca	Eastern white oak woods	X	X	
91BA		X		Mezijske šume srebrne jele	Moesian silver fir forests		X	Amendment to Interpretation Manual according to the Serbian (IV/2018) Request for amendments of Annex I, II, IV & V of the Habitats Directive and amendments of definitions of certain habitat types in Interpretation manual of EU habitats; proposed amendment in to the description: "and the inner Dinarides (West Serbian mountains)"
9260				Šume pitomog kestena (<i>Castanea sativa</i>)	<i>Castanea sativa</i> woods		?	It is not clear if it includes only native vegetation
92D0				Ižne galerije i šikare (<i>Nerio-Tamaricetea</i> i <i>Securinegion tinctoriae</i>)	Southern riparian galleries and thickets (<i>Nerio-Tamaricetea</i> and <i>Securinegion tinctoriae</i>)		?	
9410		X		Acidofilne smrčve (<i>Picea</i>) šume montanih do alpijskih pojaseva (<i>Vaccinio-Piceetea</i>)	Acidophilous <i>Picea</i> forests of the montane to alpine levels (<i>Vaccinio-Piceetea</i>)		X	Amendment to Interpretation Manual according to the Serbian (IV/2018) Request for amendments of Annex I, II, IV & V of the Habitats Directive and amendments of definitions of certain habitat types in Interpretation manual of EU habitats; proposed amendment in to the description of subtypes: "42.27 Omonika spruce forests; 42.124 Dinaric calcareous block fir forests (Spontaneous <i>Abies alba</i> , <i>Abies alba-Picea abies</i> , <i>Abies alba-Picea abies-Fagus sylvatica</i> formations occupying Illyrian range of the Dinarides)"
9530			*	(Sub-) Mediteranske šume endemičnih crnih borova	(Sub-) Mediterranean pine forests with endemic black pines		X	
95A0				Visoke oromediteranske šume munike i molike	High oro-Mediterranean pine forests		X	Balkan endemic forests of <i>Pinus heldreichii</i> or <i>Pinus peuce</i> , restricted to the southern Balkans, Northern Greece and Southern Italy. Accompanying species are <i>Picea abies</i> , <i>Pinus sylvestris</i> , <i>Pinus mugo</i> with understorey including <i>Juniperus sibirica</i> , <i>Vaccinium myrtillus</i> , <i>Calamagrostis arundinacea</i> , <i>Brachypodium pinnatum</i> , <i>Luzula luzuloides</i> , <i>Luzula sylvatica</i> , <i>Geranium macrorhizum</i> .
73	1	5	21	ukupan broj tipova staništa po biogeografskom regionu (uključujući nejasno prisustvo)	overall habitat types per biogeographical region (including the unclear presence)	35	72	
10	0	0	1	Upitna	Questionable	4	15	
63	1	5	20	Jasno	Clear	31	57	