

**Table 1.** List of all lampreys and other fish species recorded in freshwaters in Bosnia and Herzegovina according to literature to date.

Family	No.	Species	Drainage	Status	Source – previous monographs/check-lists					Remarks
					Vuković 1963a	Vuković 1977a	Bogut <i>et al.</i> 2006	Sofradžija 2009	Hamzić 2024	
Petromyzontidae		<i>Eudontomyzon danfordi</i>	Danube		+	+		+		removed from the list (Tutman <i>et al.</i> 2020a)
		<i>Eudontomyzon marie</i>	Danube					+		removed from the list (Tutman <i>et al.</i> 2020a)
	1.	<i>Eudontomyzon vladykovi</i>	Danube	DBE					+	
		<i>Lampetra fluviatilis</i>	Adriatic Danube		+?	+?		+		removed from the list (Tutman <i>et al.</i> 2020a)
		<i>Lampetra planeri</i>	Danube		+	+		+		removed from the list (Tutman <i>et al.</i> 2020a)
	2.	<i>Lampetra soljani</i>	Adriatic	ABE					+	
		<i>Lampetra zanandreaei</i>	Adriatic							firstly identified as <i>Lethenteron zanandreaei</i> (Tutman <i>et al.</i> 2009), but later described as a distinct species from the lower Neretva River in BiH and Croatia (Adriatic Sea drainage) (Tutman <i>et al.</i> 2017)
	ME1	<i>Petromyzon marinus</i>	Adriatic	ME	+	+		+	+	marine species that occasionally enters the Neretva River freshwaters, reproduction not confirmed
Rajidae	M1	<i>Raja miraletus</i>	Adriatic	M						marine species one accidental record (Tutman <i>et al.</i> 2021)
Acipenseridae	RE1	<i>Acipenser sturio</i>	Adriatic Danube	RE	+	+	+	+	+	regionally extinct
	RE2	<i>Huso güeldenstaedtii</i>	Danube	RE	+	+	+	+	+	regionally extinct
	RE3	<i>Huso huso</i>	Adriatic Danube	RE	+	+	+	+	+	regionally extinct
	RE4	<i>Huso naccarii</i>	Adriatic	RE	+	+	+	+	+	regionally extinct
	RE5	<i>Huso nudiventris</i>	Danube	RE	+	+	+	+	+	regionally extinct
	3.	<i>Huso ruthenus</i>	Danube	N	+	+	+	+	+	
	RE6	<i>Huso stellatus</i>	Danube	RE	+	+	+	+	+	regionally extinct
Anguillidae	4.	<i>Anguilla anguilla</i>	Adriatic Danube	N N	+	+	+	+	+	catadromous, reproduced in the sea, migrate to freshwaters to growth
Clupeidae	ME2	<i>Alosa fallax</i>	Adriatic	ME	+	+	+	+	+	marine species that occasionally enter to freshwaters for reproduction
					as <i>Alosa fallax nilotica</i>		as <i>A. fallax nilotica</i>	as <i>A. fallax nilotica</i>		

	RE7	<i>Alosa immaculata</i>	Danube	RE					+	regionally extinct
		<i>Alosa pontica</i>	Danube					+		synonym of <i>A. immaculata</i> removed from the list
Cobitidae		<i>Cobitis dalmatina</i>	Adriatic						+	should not be included in the list until its presence can be confirmed
	5.	<i>Cobitis elongata</i>	Danube	DBE			+	+	+	
	6.	<i>Cobitis elongatoides</i>	Adriatic Danube	T N			+	+	+	
	7.	<i>Cobitis herzegoviniensis</i>	Adriatic	EN-BiH NCE					+	
	8.	<i>Cobitis illyrica</i>	Adriatic	NCE					+	
	9.	<i>Cobitis narentana</i>	Adriatic	NCE	+		+	+	+	
		<i>Cobitis taenia</i>	Danube			+				removed from the list (Tutman et al., 2017)
	10.	<i>Misgurnus fossilis</i>	Adriatic Danube	T N	+	+	+	+	+	
	11.	<i>Sabanejewia balcanica</i>	Danube	N	+	+	+	+	+	
					as <i>Cobitis aurata</i>	as <i>C. aurata</i>			as <i>C. aurata balcanica</i> and <i>C. aurata bosniaca</i>	
12.	<i>Sabanejewia bulgarica</i>	Danube	DBE						Fedorčák et al. 2023	
Nemacheilidae	13.	<i>Barbatula barbatula</i>	Adriatic Danube	T N	+	+	+	+	+	
					as <i>Nemachilus barbatulus</i>	as <i>N. barbatulus</i>		as <i>N. barbatulus</i>		
Cyprinidae	14.	<i>Aulopyge huegelii</i>	Adriatic Danube	ABE T	+	+	+	+	+	
	15.	<i>Barbus balcanicus</i>	Adriatic Danube	T N			+		+	
	16.	<i>Barbus barbus</i>	Danube	N	+	+	+	+	+	
		<i>Barbus meridionalis</i>	Adriatic		+	+		+		wrong record removed from the list
					as <i>B. meridionalis petenyi</i>			as <i>B. meridionalis petenyi</i>		
		<i>Barbus plebejus</i>	Adriatic						+	wrong record removed from the list
	17.	<i>Carassius auratus</i>	Adriatic Danube	NN NN	+	+	+	+	+	
					as <i>C. auratus gibbelio</i>					
18.	<i>Carassius carassius</i>	Adriatic Danube	T N	+	+	+	+	+		
19.	<i>Carassius gibbelio</i>	Adriatic Danube	NN NN			+	+	+		
					as <i>C. auratus gibbelio</i>	as <i>C. auratus gibbelio</i>				

	20.	<i>Carassius langsdorfi</i>	Adriatic	NN					+	
	21.	<i>Cyprinus carpio</i>	Adriatic Danube	T N	+	+	+	+	+	
Xenocypridae	22.	<i>Ctenopharyngodon idella</i>	Adriatic Danube	NN NN		+	+	+	+	
	23.	<i>Hypophthalmichthys molitrix</i>	Adriatic Danube	NN NN		+	+	+	+	
	24.	<i>Hypophthalmichthys nobilis</i>	Adriatic Danube	NN NN		+	+	+	+	
						as <i>Aristichthys nobilis</i>	as <i>A. nobilis</i>	as <i>A. nobilis</i>		
Tincidae	25.	<i>Tinca tinca</i>	Adriatic Danube	T N	+	+	+	+	+	
Achielognathidae	26.	<i>Rhodeus amarus</i>	Adriatic Danube	T N	+	+	+	+	+	
					as <i>R. sericeus amarus</i>	as <i>R. sericeus</i>	as <i>R. sericeus</i>	as <i>R. sericeus</i>		
Gobionidae		<i>Gobio gobio</i>	Danube		+	+	+	+		synonym of <i>Gobio obtusirostris</i> removed from the list
	27.	<i>Gobio obtusirostris</i>	Adriatic Danube	T DBE					+	
	28.	<i>Pseudorasbora parva</i>	Adriatic Danube	NN NN			+	+	+	
		<i>Romanogobio albipinnatus</i>	Danube							misidentification removed from the list
	29.	<i>Romanogobio carpathorossicus</i>	Danube	N	+	+	+	+	+	
					as <i>Gobio kessleri</i>	as <i>G. kessleri</i>	as <i>G. kessleri</i>	as <i>G. kessleri</i>		
	30.	<i>Romanogobio uranoscopus</i>	Danube	DBE	+	+	+	+	+	
					as <i>Gobio uranoscopus</i>	as <i>G. uranoscopus</i>	as <i>G. uranoscopus</i>	as <i>G. uranoscopus</i>		
	31.	<i>Romanogobio vladykovi</i>	Danube	DBE					+	
Leuciscidae	32.	<i>Abramis brama</i>	Adriatic Danube	T N	+	+	+	+	+	
	33.	<i>Alburnoides bipunctatus</i>	Adriatic Danube	T N	+	+	+	+		
		<i>Alburnus albidus</i>	Adriatic		+			+		change of taxonomic status wrong record removed from the list
					as <i>A. albidus alborella</i>					
	34.	<i>Alburnus alburnus</i>	Danube	N		+	+	+		
							as <i>A. alburnus alburnus</i>			
		<i>Alburnus arborella</i>	Adriatic				+			change of taxonomic status (now <i>A. neretvae</i> ) removed from the list
							as <i>A. alburnus alborella</i>			
	35.	<i>Alburnus neretvae</i>	Adriatic	NCE					+	
		<i>Alburnus sarmaticus</i>	Danube							according to Bogutskaya <i>et al.</i> (2017) is not distributed in BiH

36.	<i>Alburnus sava</i>	Danube	DBE							change of taxonomic status ( <i>A. sarmaticus</i> / <i>C. chalcoides</i> / <i>A. chalcoides</i> ) see Bogutskaya <i>et al.</i> (2017)
37.	<i>Ballerus ballerus</i>	Danube	N	+ as <i>Abramis ballerus</i>	+ as <i>A. ballerus</i>	+ as <i>A. ballerus</i>	+ as <i>A. ballerus</i>	+		
38.	<i>Ballerus sapa</i>	Danube	N	+ as <i>Abramis sapa</i>	+ as <i>A. sapa</i>	+ as <i>A. sapa</i>	+ as <i>A. sapa</i>	+		
39.	<i>Blicca bjoerkna</i>	Danube	N	+	+	+	+	+		
	<i>Chalcaburnus chalcoides</i>	Danube		+ as <i>C. chalcoides danubicus</i>	+	+	+			change of taxonomic status removed from the list (now <i>A. sava</i> )
40.	<i>Chondrostoma knerii</i>	Adriatic	NCE	+	+	+	+	+		
41.	<i>Chondrostoma nasus</i>	Danube	N	+	+	+	+	+		
42.	<i>Chondrostoma phoxinus</i>	Adriatic	CCE	+	+	+	+	+		
43.	<i>Delminichthys adspersus</i>	Adriatic	NCE			+ as <i>Phoxinellus adspersus</i>	+ as <i>P. adspersus</i>	+		
44.	<i>Delminichthys ghetaldii</i>	Adriatic	NCE	+ as <i>Paraphoxinus ghetaldii</i>	+ as <i>P. ghetaldii</i>	+ as <i>P. ghetaldii</i>	+ as <i>P. ghetaldii</i>	+		
45.	<i>Leucaspius delineatus</i>	Adriatic Danube	T N	+	+	+	+	+		
46.	<i>Leuciscus aspilus</i>	Danube	N	+ as <i>Aspius aspilus</i>	+ as <i>A. aspilus</i>	+ as <i>A. aspilus</i>	+ as <i>A. aspilus</i>	+		
47.	<i>Leuciscus idus</i>	Danube	N	+	+	+	+	+		
48.	<i>Leuciscus leuciscus</i>	Danube	N	+	+	+	+	+		
49.	<i>Leucos basak</i>	Adriatic	ABE			+	+	+		
50.	<i>Pelecus cultratus</i>	Danube	N	+	+	+	+	+		
51.	<i>Phoxinellus alepidotus</i>	Adriatic	CCE	+ as <i>Paraphoxinus alepidotus</i>	+ as <i>P. alepidotus</i>		+	+		
	<i>Paraphoxinus metohiensis</i>	Adriatic		+	+	+ as <i>Phoxinellus metohiensis</i>	+ as <i>P. metohiensis</i>			change of taxonomic status synonym of <i>Telestes metohiensis</i> removed from the list
52.	<i>Phoxinellus pseudalepidotus</i>	Adriatic	EN-BiH NCE			+		+		
	<i>Paraphoxinus pstrossi</i>	Adriatic		+	+	+ as <i>Phoxinellus pstrossi</i>	+ as <i>P. pstrossi</i>			change of taxonomic status synonym of <i>Delminichthys ghetaldii</i> removed from the list

	53.	<i>Phoxinus karsticus</i>	Adriatic	ABE					+	Bianco & De Bonis (2015), Bianco & Filippo (2015) scientifically confirmed by Palandačić et al. (2015, 2017, 2020)
		<i>Phoxinus ketmaieri</i>	Adriatic							Bianco & De Bonis (2015), Bianco & Filippo (2015) junior synonym of <i>P. lumaireul</i> (Palandačić et al., 2015, 2017, 2020) removed from the list
	54.	<i>Phoxinus lumaireul</i>	Adriatic Danube	N N					+	species status and range of <i>P. lumaireul</i> in BiH is still debatable (Palandačić et al., 2015, 2017). It is necessary to resolve their taxonomic status and the status of the genus <i>Phoxinus</i> in Adriatic Basin as well
		<i>Phoxinus phoxinus</i>	Adriatic Danube		+	+	+	+	+	change of taxonomic status removed from the list
		<i>Rutilus pigus</i>	Danube		+ as <i>R. pigus</i> <i>virgo</i>	+ as <i>R. pigus</i>	+	+ as <i>R. pigus</i> <i>virgo</i>		wrong record change of taxonomic status removed from the list
		<i>Rutilus rubilio</i>	Adriatic		+	+				wrong record change of taxonomic status removed from the list
	55.	<i>Rutilus rutilus</i>	Adriatic Danube	T N	+	+	+	+	+	
	56.	<i>Rutilus virgo</i>	Danube	DBE					+	
		<i>Sarmarutilus rubilio</i>	Danube							wrong record removed from the list
	57.	<i>Scardinius dergle</i>	Adriatic	ABE				+	+	
	58.	<i>Scardinius erythrophthalmus</i>	Adriatic Danube	T N	+	+	+	+	+	
	59.	<i>Scardinius plotizza</i>	Adriatic	NCE	+ as <i>S. erythrophthalmus</i> <i>scardafa</i>		+ as <i>S. erythrophthalmus</i> <i>scardafa</i>	+	+	
		<i>Scardinius scardafa</i>	Adriatic		+ as <i>S. erythrophthalmus</i> <i>scardafa</i>		+ as <i>S. erythrophthalmus</i> <i>scardafa</i>	+		wrong record change of taxonomic status removed from the list
		<i>Squalius albus</i>	Adriatic		+ as <i>Leuciscus cephalus</i> <i>albus</i>	+ as <i>L. cephalus</i> <i>albus</i>	+ as <i>S. cephalus</i> <i>albus</i>	+ as <i>L. cephalus</i> <i>albus</i>		wrong record change of taxonomic status removed from the list
	60.	<i>Squalius cephalus</i>	Adriatic Danube	T N	+	+	+	+	+	

				as <i>Leuciscus cephalus cephalus</i>	as <i>L. cephalus cephalus</i>	as <i>S. cephalus cephalus</i>	as <i>L. cephalus cephalus</i>			
		<i>Squalius illyricus</i>	Adriatic					+	wrong record removed from the list	
	61.	<i>Squalius microlepis</i>	Adriatic	NCE		+	+ as <i>Leuciscus microlepis</i>	+		
	62.	<i>Squalius squalus</i>	Adriatic	N				+	previously mentioned as <i>Leuciscus cephalus albus</i> and <i>Leuciscus albus</i>	
	63.	<i>Squalius svallize</i>	Adriatic	NCE	+ as <i>Leuciscus svallize</i>	+ as <i>L. svallize</i>	+	+ as <i>L. svallize</i>	+	
	64.	<i>Squalius tenellus</i>	Adriatic	CCE			+	+		
		<i>Telestes agasizi</i>	Danube		+				change of taxonomic status removed from the list	
	65.	<i>Telestes dabar</i>	Adriatic	EN-BiH NCE				+	new species described by Bogutskaya, Župančić, Bogut & Naseka, 2012	
	66.	<i>Telestes metohiensis</i>	Adriatic	EN-BiH NCE				+		
		<i>Telestes polylepis</i>	Adriatic					+	wrong record removed from the list	
	67.	<i>Telestes souffia</i>	Danube	N		+ as <i>Leuciscus souffia</i>	+	+ as <i>L. souffia agassizi</i>		
		<i>Telestes turskyi</i>	Adriatic		+ as <i>Leuciscus turskyi</i>	+ as <i>L. turskyi</i>		+ as <i>L. turskyi</i>	+	wrong record removed from the list
		<i>Telestes ukliva</i>	Adriatic					+	wrong record removed from the list	
	68.	<i>Vimba vimba</i>	Danube	N	+	+	+	+		
Siluridae	69.	<i>Silurus glanis</i>	Adriatic Danube	T N	+	+	+	+		
Ictaluridae	70.	<i>Ameiurus melas</i>	Danube	NN				+	distribution in BiH is not yet resolved because of possible misidentification with <i>A. nebulosus</i> Halilović and Adrović (2015) validity of status is required	
	71.	<i>Ameiurus nebulosus</i>	Adriatic Danube	NN NN	+	+	+	+	+	distribution in BiH is not yet resolved because of possible misidentification with <i>A. melas</i> Halilović and Adrović (2015) validity of status is required

		<i>Ictalurus punctatus</i>	Danube			+				not confirmed not included in the list		
Esocidae	72.	<i>Esox lucius</i>	Adriatic Danube	T N	+	+	+	+	+			
Umbridae	73.	<i>Umbra krameri</i>	Danube	N	+	+	+	+	+			
Salmonidae	74.	<i>Coregonus peled</i>	Adriatic	NN			+		+			
	75.	<i>Hucho hucho</i>	Danube	DBE	+	+	+	+	+			
	76.	<i>Oncorhynchus mykiss</i>	Adriatic Danube	NN NN	+	+	+	+	+			
		<i>Salmo dentex</i>	Adriatic			+	+	+	+	not valid taxon removed from the list (see Snoj <i>et al.</i> , 2010)		
	77.	<i>Salmo farioides</i>	Adriatic	AIBE					+			
	78.	<i>Salmo labrax</i>	Adriatic Danube	T N					+			
	79.	<i>Salmo letnica</i>	Adriatic	NN					+			
	80.	<i>Salmo marmoratus</i>	Adriatic	ABE	+	+	+	+	+			
	81.	<i>Salmo montenigrinus</i>	Adriatic	ABE					+			
	82.	<i>Salmo obtusirostris</i>	Adriatic	ABE	+	+	+	+	+			
						as <i>Salmothymus obtusirostris oxyrhynchus</i>	+	as <i>Salmothymus obtusirostris</i>	+	as <i>Salmothymus obtusirostris oxyrhynchus</i>	+	
			<i>Salmo taleri</i>	Adriatic						+	wrong record removed from the list	
	83.	<i>Salmo trutta</i>	Adriatic Danube	NN NN	+	+	+	+	+	+		
					as <i>S. trutta</i> m. <i>fario</i> and <i>S.</i> <i>trutta</i> m. <i>lacustris</i>	+	as <i>S. trutta</i> m. <i>fario</i> and <i>S.</i> <i>trutta</i> m. <i>lacustris</i>	+	as <i>S. trutta</i> m. <i>fario</i> and <i>S.</i> <i>trutta</i> m. <i>lacustris</i>			
84.	<i>Salvelinus alpinus</i>	Adriatic Danube	NN NN			+	+	+	+			
85.	<i>Salvelinus fontinalis</i>	Adriatic Danube	NN NN	+	+	+	+	+	+			
		<i>Salvelinus salvelinus</i>	Adriatic			+				wrong record removed from the list		
86.	<i>Thymallus thymallus</i>	Adriatic Danube	T N	+	+	+	+	+				
Lotidae	87.	<i>Lota lota</i>	Danube	N	+	+	+	+	+			
Syngnathidae	ME3	<i>Syngnathus abaster</i>	Adriatic	ME			+	+	+	brackish water species that occasionally enter the lower course of the Neretva with lower salinity		
Odontobutidae	88.	<i>Perccottus glenii</i>	Danube	NN					+	Čaleta <i>et al.</i> (2011)		
Oxudercidae		<i>Knipowitschia panizzae</i>	Adriatic		+	+		+	+	removed from the list (Tutman <i>et al.</i> , 2020)		
					as <i>Gobius panizzae</i>	+	as <i>Padogobius panizzai</i>					

	89.	<i>Knipowitschia radovici</i>	Adriatic	NCE					+	considered as junior synonym of <i>K. panizzae</i> (Tougaard et al., 2021) validity of status is required
	90.	<i>Ninnigobius canestrinii</i>	Adriatic	ABE	+ as <i>Gobius canestrinii</i>	+ as <i>Pomatoschistus canestrinii</i>	+ as <i>P. canestrinii</i>	+ as <i>P. canestrinii</i>	+	
	91.	<i>Orsinigobius croaticus</i>	Adriatic	NCE			+ as <i>Knipowitschia croatica</i>		+	
		<i>Pomatoschistus microps</i>	Adriatic		+ as <i>Gobius microps</i>	+	+			removed from the list (Tutman et al., 2020)
Gobiidae	92.	<i>Babka gymnotrachelus</i>	Danube	NN					+	presence confirmed Nedić et al. (2018)
	93.	<i>Neogobius fluviatilis</i>	Danube	NN		+ as <i>Gobius fluviatilis</i>	+	+	+	
	94.	<i>Neogobius melanostomus</i>	Danube	NN					+	
		<i>Padogobius bonelli</i>	Adriatic						+	should not be included in the list until its presence can be confirmed
	95.	<i>Ponticola kessleri</i>	Danube	NN		+ as <i>Gobius kessleri</i>	+ as <i>Neogobius kessleri</i>	+ as <i>N. kessleri</i>	+	
		<i>Proterorhynchus marmoratus</i>	Danube			+	+	+		removed from the list (Tutman et al., 2020)
	96.	<i>Proterorhynchus semilunaris</i>	Danube	N					+	this study Čaleta, M.; Marčić, Z., unpublished data
		<i>Zosterisessor ophiocephalus</i>	Adriatic		+ as <i>Gobius ophiocephalus</i>	+ as <i>G. ophiocephalus</i>	+		+	removed from the list (Tutman et al., 2020)
Pleuronectidae	ME4	<i>Platichthys flesus</i>	Adriatic	ME	+ as <i>Pleuronectes flesus luscus</i>	+ as <i>P. flesus</i>	+	+ as <i>P. flesus</i>	+	brackish waters species that occasionally enter to freshwaters for feeding
Atherinidae	ME5	<i>Atherina boyeri</i>	Adriatic	ME	+	+	+	+	+	brackish waters species that occasionally enter to freshwaters for feeding doubtful presence
		<i>Atherina hepsetus</i>	Adriatic		+ as <i>A. mocho</i>	+ as <i>A. mochon</i>	+		+	wrong statement unsuitable ecological conditions removed from the list
Cyprinodontidae		<i>Aphanius fasciatus</i>	Adriatic					+	+	wrong statement

										un suitable ecological conditions removed from the list
Poecilidae		<i>Gambusia affinis</i>	Adriatic Danube							should not be included in the list until its presence can be confirmed
	97.	<i>Gambusia hoolbroki</i>	Adriatic	NN	+	+	+	+	+	
Mugilidae	ME6	<i>Chelon auratus</i>	Adriatic	ME	+ as <i>Mugil auratus</i>	+ as <i>M. auratus</i>	+ as <i>Liza aurata</i>	+ as <i>L. aurata</i>	+ as <i>L. aurata</i>	brackish waters species that occasionally enter to freshwaters for feeding doubtful presence
	ME7	<i>Chelon labrosus</i>	Adriatic	ME	+ as <i>Mugil chelo</i>	+ as <i>M. labrosus</i>	+	+	+	brackish waters species that occasionally enter to freshwaters for feeding doubtful presence
	ME8	<i>Chelon ramada</i>	Adriatic	ME	+ as <i>Mugil capito</i>	+ as <i>M. ramada</i>	+ as <i>L. ramada</i>	+ as <i>L. ramada</i>	+ as <i>L. ramada</i>	brackish waters species that occasionally enter to freshwaters for feeding
	ME9	<i>Chelon saliens</i>	Adriatic	ME	+ as <i>Mugil saliens</i>	+ as <i>M. saliens</i>	+ as <i>L. saliens</i>	+ as <i>L. saliens</i>	+ as <i>L. saliens</i>	brackish waters species that occasionally enter to freshwaters for feeding doubtful presence
	ME10	<i>Mugil cephalus</i>	Adriatic	ME	+	+	+	+	+	brackish waters species that occasionally enter to freshwaters for feeding
		<i>Oedalechilus labeo</i>	Adriatic		+? as <i>Mugil labeo</i>	+? as <i>M. labeo</i>	+			wrong statement unsuitable ecological conditions removed from the list
Bleniidae	98.	<i>Salariopsis fluviatilis</i>	Adriatic	N	+ as <i>Blennius fluviatilis</i>	+ as <i>B. fluviatilis</i>	+	+	+	
Percidae	99.	<i>Gymnocephalus baloni</i>	Danube	N					+	
	100.	<i>Gymnocephalus cernua</i>	Adriatic Danube	T N	+ as <i>Acerina cernua</i>	+ as <i>A. cernua</i>	+ as <i>G. cernuus</i>	+	+	
	101.	<i>Gymnocephalus schraetser</i>	Danube	DBE	+ as <i>Acerina schraetser</i>	+ as <i>A. schraetser</i>	+	+	+	
	102.	<i>Perca fluviatilis</i>	Adriatic Danube	T N	+	+	+	+	+	
	103.	<i>Sander lucioperca</i>	Adriatic Danube	T N	+ as <i>Lucioperca lucioperca</i>	+ as <i>Stizostedion lucioperca</i>	+	+	+	
	104.	<i>Sander volgensis</i>	Danube	N	+	+	+	+	+	

					as <i>Lucioperca volgensis</i>	as <i>Stizostedion volgensis</i>				
	105.	<i>Zingel streber</i>	Danube	N	+	+	+	+	+	
	106.	<i>Zingel zingel</i>	Danube	N	+	+	+	+	+	
Gasterosteidae	107.	<i>Gasterosteus aculeatus</i>	Adriatic	N	+	+	+	+	+	
		<i>Pungitius platygaster</i>	Danube				+	+	+	doubtful information, not included in the list until its presence can be confirmed
Cottidae	108.	<i>Cottus gobio</i>	Adriatic Danube	N N	+	+	+	+	+	
		<i>Cottus ferrugineus</i>	Adriatic				+		+	wrong record removed from the list
		<i>Cottus poecilopus</i>	Danube			+	+			wrong record removed from the list
Centrarchidae	109.	<i>Lepomis gibbosus</i>	Adriatic Danube	NN NN	+	+	+	+	+	
	110.	<i>Micropterus salmoides</i>	Adriatic Danube	NN NN			+		+	
Moronidae	ME11	<i>Dicentrarchus labrax</i>	Adriatic	ME	+	+	+	+	+	brackish waters species that occasionally enter to freshwaters for feeding
Sparidae	ME12	<i>Sparus aurata</i>	Adriatic	ME	+	+	+	+	+	brackish waters species that occasionally enter to freshwaters for feeding
					<b>103</b>	<b>106</b>	<b>116</b>	<b>118</b>	<b>137</b>	
					<b>Total number of reported taxon by monography</b>					
					<b>123</b>	<b>Total number of confirmed species (freshwater + euryhaline + marine)</b>				
					<b>110</b>	<b>Freshwater species</b>				
					<b>87</b>	<b>Freshwater native + endemic species</b>				
					<b>38</b>	<b>Endemic species</b>				
					<b>23</b>	<b>Non-native species</b>				
					<b>23</b>	<b>Translocated species</b>				
					<b>12</b>	<b>Euryhaline species</b>				
					<b>7</b>	<b>Regionally extinct</b>				
					<b>43</b>	<b>Excluded taxons</b>				

1,2....= serial number indicates the confirmed species

+?=mentioned as doubtful

N= native (species that are indigenous to Bosnia and Herzegovina)

NN= non-native (species not native to Bosnia and Herzegovina and include species with self-sustained populations through reproduction (established) or species not reproducing in the wild (not established). It does not include translocated species (i.e., native species transferred through human intervention within the country)

ABE= Adriatic Sea Basin Endemic (*sensu lato*) – (species almost entirely found within territory of Bosnia and Herzegovina and shared within neighbouring countries)

AIBE= Adriatic-Ionian Sea Basin Endemic – (species found within territory of Bosnia and Herzegovina and shared within neighbouring countries draining into Adriatic and Ionian Sea – Croatia, Montenegro, Serbia, Albania, Republic of Northern Macedonia and Greece)

CCE= Cetina River Catchment Endemic

DBE= Danube River Basin Endemic

NCE= Neretva River Catchment Endemic (*sensu stricto*) – (distributed only in the Neretva River catchment in BiH and Croatia)

EN-BiH = endemic (species restricted only to the boundaries of Bosnia and Herzegovina)

ME= marine euryhaline (species that are visitors to freshwaters but essentially live in the sea and/or must reproduce at sea. These euryhaline marine species are regularly able to adapt to a wide range of salinities, versus stenohaline species that are intolerant to changes in salinity)

M= strictly marine species

RE= regionally extinct species

T= translocated species