

**Taxonomic Checklist of
Fish species**

**listed in the CITES Appendices
and
EC Regulation 338/97**

**(Elasmobranchii, Actinopteri, Coelacanthi, and
Dipneusti, except the genus *Hippocampus*)**

Species information extracted from

**Eschmeyer, W.N. & Fricke, R. (eds.)
"Catalog of Fishes, electronic version"
(updated 3 February 2015)**

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Additional comments included by the
Nomenclature Specialist of the CITES Animals Committee (indicated by "NC comment")

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¹ This is the only taxon of this checklist which is not listed by CITES but by EC-Regulation 338/97 only.

ELASMOBRANCHII

CARCHARHINIFORMES

Carcharhinidae

Carcharhinus longimanus (POEY, 1861)

budkeri, *Pterolamiops* Fourmanoir [P.] 1961:76 [Mémoires de l'Institut Scientifique de Madagascar. Série F. Océanographie v. 4; ref. 9345] Mozambique Channel. Syntypes: (1) 12 miles west of Kalakazoro Island (1) off Majunga. •Synonym of *Carcharhinus longimanus* (Poey 1861) -- (Garrick 1982:150 [ref. 5454], Compagno 1984:484 [ref. 6846], Voigt & Weber 2011:77 [ref. 31424], Castro 2011:438 [ref. 31457]). **Current status:** Synonym of *Carcharhinus longimanus* (Poey 1861). Carcharhinidae. Habitat: marine.

insularum, *Carcharias* Snyder [J. O.] 1904:513, Pl. 1 (fig. 1) [Bulletin of the U. S. Fish Commission v. 22 [1902]; ref. 4149] Off Diamond Head, Oahu Island, Hawaiian Islands, Albatross station 3815, depth 228-312 fathoms. Holotype: USNM 50859. Paratypes: CAS-SU 12788-89 (1, 1). Type catalog: Böhlke 1953:9 [ref. 12291], Howe & Springer 1993:8 [ref. 21812]. •Synonym of *Carcharhinus longimanus* (Poey 1861) -- (Garrick 1982:150 [ref. 5454], Compagno 1984:484 [ref. 6846], Mundy 2005:90 [ref. 28379], Voigt & Weber 2011:77 [ref. 31424], Castro 2011:438 [ref. 31457]). **Current status:** Synonym of *Carcharhinus longimanus* (Poey 1861). Carcharhinidae. Habitat: marine.

longimanus, *Squalus* Poey [F.] 1861:338, Pl. 19 (figs. 9-10) [Memorias sobre la historia natural de la Isla de Cuba v. 2; ref. 3499] Cuba, western Atlantic. Holotype (unique): No types known. As *Prionodon longimanus* on plate. On Official List (Opinion 723). Authors point out that *Squalus (Carcharias) maou* Lesson 1830 probably is the same as this species. •Valid as *Carcharhinus longimanus* (Poey 1861) -- (Compagno 1973:24 [ref. 7163], Garrick 1982:150 [ref. 5454], Eschmeyer & Herald 1983:39 [ref. 9277], Compagno 1984:484 [ref. 6846], Branstetter in Whitehead et al. 1984:107 [ref. 13675], Dor 1984:6 [ref. 29757], Nakaya in Masuda et al. 1984:6 [ref. 6441], Bass et al. 1986:74 [ref. 5638], Robins & Ray 1986:26 [ref. 23100], Allen & Swainston 1988:22 [ref. 25477], Scott & Scott 1988:24 [ref. 25518], Paxton et al. 1989:78 [ref. 12442], McAllister 1990:32 [ref. 14674], Springer 1990:106 [ref. 19320], Randall et al. 1990:20 [ref. 15987], Boschung 1992:21 [ref. 23239], Cervigón 1992:173 [ref. 23827], Allen & Robertson 1994:22 [ref. 22193], Gomon et al. 1994:122 [ref. 22532], Last & Stevens 1994:247 [ref. 23873], Goren & Dor 1994:2 [ref. 25356], Compagno et al. in Fischer et al. 1995:677 [ref. 22829], Randall 1995:32 [ref. 22896], Santos et al. 1997:8 [ref. 23531], Allen 1997:42 [ref. 23977], De La Cruz Agüero et al. 1997:28 [ref. 24545], Grove & Lavenberg 1997:81 [ref. 24023], Arruda 1997:18 [ref. 24952], Randall et al. 1997:20 [ref. 25919], Compagno & Niem 1998:1341 [ref. 23787], McEachran & Feckhelm 1998:81 [ref. 23897], Chirichigno F. & Vélez D. 1998:53 [ref. 24555], Myers 1999:34 [ref. 23965], Fricke 1999:20 [ref. 24106], Francis et al. 1999:574 [ref. 24249], Morón et al. 1999:147 [ref. 24253], Smith-Vaniz et al. 1999:115 [ref. 25013], Lessa et al. 1999:353 [ref. 25267], Compagno 1999:483 [ref. 25589], Nakabo 2000:137 [ref. 25086], Compagno in Randall & Lim 2000:580 [ref. 25122], Laboute & Grandperrin 2000:92 [ref. 25191], Grace 2001:18 [ref. 25694], Hutchins 2001:14 [ref. 25847], Soto 2001:64, 79 [ref. 26637], Bilecenoglu et al. 2002:173 [ref. 26753], Nakabo 2002:137 [ref. 26001], Compagno 2003:484 [ref. 26984], Gadig & Gomes in Menezes et al. 2003:23 [ref. 27192], Manilo & Bogorodsky 2003:S92 [ref. 27377], Myers & Donaldson 2003:609 [ref. 27495], Randall et al. 2004:5 [ref. 27624], Espinosa Pérez et al. 2004:56 [ref. 27705], Bonfil & Abdallah 2004:33 [ref. 27735], Nelson et al. 2004:53 [ref. 27807], Mundy 2005:90 [ref. 28379], Compagno et al. 2005:39 [ref. 29145], Hoese et al. 2006:101 [ref. 29001], Randall 2007:30 [ref. 30952], White 2008:69 [ref. 30617], Fricke et al. 2009:9 [ref. 30213], George 2009:34 [ref. 30539], McCosker & Rosenblatt 2010:187 [ref. 30957], Fricke et al. 2011:345 [ref. 31242], Voigt & Weber 2011:77 [ref. 31424], Castro 2011:438 [ref. 31457], Psomadakis et al. 2012:14 [ref. 33457], White 2012:3 [ref. 31843], Page et al. 2013:51 [ref. 32708], Wirtz et al. 2013:115 [ref. 32972], Larson et al. 2013:10 [ref. 32988], Ebert et al. 2013:332 [ref. 33045], Smith-Vaniz & Jelks 2014:20 [ref. 33341]). **Current status:** Valid as *Carcharhinus longimanus* (Poey 1861). Carcharhinidae. Distribution: Circumglobal in tropical and subtropical seas (including Red Sea), straying into temperate waters including North Sea. Habitat: marine.

magnipinnis, *Pterolamiops* Smith [J. L. B.] 1958:132, Pl. 1; Fig. 1C [Ichthyological Bulletin, Department of Ichthyology, Rhodes University No. 10; ref. 12027] Off Port Elizabeth, 7 miles from shore, 30°05'S, 25°18'E, South Africa, western Indian Ocean, depth 50 fathoms. Holotype (unique): SAIAB [formerly RUSI] 126. •Synonym of *Carcharhinus longimanus* (Poey 1861) -- (Garrick 1982:150 [ref. 5454], Compagno 1984:484 [ref. 6846], Bass et al. 1986:74 [ref. 5638], Voigt & Weber 2011:77 [ref. 31424], Castro 2011:438 [ref. 31457]). **Current status:** Synonym of *Carcharhinus longimanus* (Poey 1861). Carcharhinidae. Habitat: marine.

maou, *Squalus (Carcharias)* Lesson [R. P.] 1831:91, Poissons Pl. 1 [Voyage autour du monde Zool. v. 2 (pt 1); ref. 2776] French Polynesia, 18°S, 144°W. Syntypes: (2) whereabouts unknown. See Garrick 1982:151 [ref. 5454] for comments on use of this name. We suggest continuing current usage of *Carcharhinus longimanus* (Poey 1861). •In the synonymy of the younger *Carcharhinus longimanus* (Poey 1861) -- (Garrick 1982:150 [ref. 5454], Branstetter in Whitehead et al. 1984:107 [ref. 13675], Compagno 1984:484 [ref. 6846], Bass et al. 1986:74 [ref. 5638], Randall et al. 1990:20 [ref. 15987], Allen & Robertson 1994:22 [ref. 22193],

Compagno & Niem 1998:1341 [ref. 23787], Lessa et al. 1999:354 [ref. 25267], Compagno 2003:484 [ref. 26984], Espinosa Pérez et al. 2004:56 [ref. 27705], Bonfil & Abdallah 2004:33 [ref. 27735], Voigt & Weber 2011:77 [ref. 31424], Castro 2011:438 [ref. 31457]). **Current status:** Synonym of *Carcharhinus longimanus* (Poey 1861). Carcharhinidae. Habitat: marine.

Sphyrnidae

Sphyrna gilberti QUATTO, DRIGGERS III, GRADY, ULRICH & ROBERTS, 2013

NC comment: not valid under CITES, split from *Sphyrna lewini* and covered by CITES under this name.

gilberti*, *Sphyrna Quattro [J. M.], Driggers III [W. B.], Grady [J. M.], Ulrich [G. F.] & Roberts [M. A.] 2013:171, Figs. 5-6, 7A [Zootaxa 3702 (no. 2); ref. 32875] Bulls head, South Carolina, USA. Holotype: UF 183577. Paratypes: UF 183578 (2), 183579 (2). •Valid as *Sphyrna gilberti* Quattro, Driggers III, Grady, Ulrich & Roberts 2013. **Current status:** Valid as *Sphyrna gilberti* Quattro, Driggers III, Grady, Ulrich & Roberts 2013. Sphyrnidae. Distribution: Southeastern USA, possibly elsewhere. Habitat: marine.

Sphyrna lewini (GRIFFITH & SMITH, 1834)

diplana*, *Sphyrna Springer [S.] 1941:46, Figs. 1-2 [Proceedings of the Florida Academy of Science v. 5; ref. 10183] Off Englewood, Florida, U.S.A., Gulf of Mexico, western Atlantic. Holotype: USNM 108451. Paratypes: USNM 108452 (1, head only), 110296-97 (2, jaws only). Type catalog: Howe & Springer 1993:6 [ref. 21812]. •Synonym of *Sphyrna lewini* (Griffith & Smith 1834) -- (Gilbert 1967:38 [ref. 21135], Gilbert 1973:33 [ref. 7164], Dor 1984:11 [ref. 29757], Compagno 1984:545 [ref. 6846], Springer 1990:109 [ref. 19320], Gomon et al. 1994:139 [ref. 22532], Compagno et al. in Fischer et al. 1995:718 [ref. 22829], Compagno 1998:1364 [ref. 23785], Castro-Aguirre et al. 1999:54 [ref. 24550], Soto 2001:85 [ref. 26637], Compagno 2003:500 [ref. 26984], Espinosa Pérez et al. 2004:70 [ref. 27705], Bonfil & Abdallah 2004:36 [ref. 27735], Castro 2011:509 [ref. 31457], Quattro et al. 2013:176 [ref. 32875]). **Current status:** Synonym of *Sphyrna lewini* (Griffith & Smith 1834). Sphyrnidae. Habitat: brackish, marine.

indica*, *Zygaena van Hasselt [J. C.] 1823:315 [Algemeene Konst- en Letter-bode I Deel (no. 20); ref. 4513] Vizagapatam, India; Java, Indonesia, Java Sea, eastern Indian Ocean. No types known. Based on figure in Russel, 1823, I., p. 8, pl. XII (see Alfred 1961:81, Pl. 3 [ref. 20553]). Also in van Hasselt 1824:90 [ref. 5104]. Should be suppressed and the use of the name *lewini* continued. •Available name -- (Kottelat 1987:369 [ref. 5962]). •Synonym of [later] *Sphyrna lewini* (Griffith & Smith 1834) -- (Gilbert 1967:37 [ref. 21135] with question, Compagno 1984:545 [ref. 6846], Last et al. 2010:134 [ref. 32461]). **Current status:** Synonym of *Sphyrna lewini* (Griffith & Smith 1834). Sphyrnidae. Habitat: marine.

leeuwenii*, *Cestracion Day [F.] 1865:271 [The fishes of Malabar; ref. 1074] Malabar coast, India, Arabian Sea, western Indian Ocean. Unexplained new spelling for *Zygaena lewini* Griffith & Smith 1834. •Synonym of *Sphyrna lewini* (Griffith & Smith 1834) -- (Gilbert 1967:38 [ref. 21135], Gilbert 1973:33 [ref. 7164], Compagno 1984:545 [ref. 6846]). **Current status:** Synonym of *Sphyrna lewini* (Griffith & Smith 1834). Sphyrnidae. Habitat: brackish, marine.

lewini*, *Zygaena Griffith [E.] & Smith [C. H.] 1834:640, Pl. 50 [The class Pisces, arranged by the Baron Cuvier; ref. 1908] [South coast of New Holland] southern Australia. No types known. Name available from Pl. 50. Based on a drawing by Mr. Lewin. Misspelled *leeuwenii* by Rochebrune 1883:44 [ref. 18639]. •Valid as *Sphyrna lewini* (Griffith & Smith 1834) -- (Gilbert 1967:37 [ref. 21135], Gilbert 1973:33 [ref. 7164], Kyushin et al. 1982:23 [ref. 19754], Quéro in Whitehead et al. 1984:123 [ref. 13675], Compagno 1984:545 [ref. 6846], Dor 1984:11 [ref. 29757], Nakaya in Masuda et al. 1984:7 [ref. 6441], Nakaya in Okamura & Kitajima 1984:51, 300 [ref. 8057], Bass 1986:97 [ref. 5635], Robins & Ray 1986:30 [ref. 23100], Allen & Swainston 1988:24 [ref. 25477], Paxton et al. 1989:87 [ref. 12442], Springer 1990:109 [ref. 19320], Randall et al. 1990:23 [ref. 15987], Talwar & Jhingran 1991:28 [ref. 20764], Boschung 1992:24 [ref. 23239], Cervigón 1992:186 [ref. 23827], Allen & Robertson 1994:25 [ref. 22193], Gomon et al. 1994:139 [ref. 22532], Last & Stevens 1994:272 [ref. 23873], Goren & Dor 1994:4 [ref. 25356], Compagno et al. in Fischer et al. 1995:718 [ref. 22829], Randall 1995:38 [ref. 22896], Mohsin & Ambak 1996:67 [ref. 27969], Allen 1997:44 [ref. 23977], Chen et al. 1997:5 [ref. 26476], Cheng & Zhou 1997:35 [ref. 26385] with author as Griffith, Grove & Lavenberg 1997:96 [ref. 24023], Murdy et al. 1997:27 [ref. 23144], Larson & Williams 1997:343 [ref. 23967], Arruda 1997:19 [ref. 24952], Randall et al. 1997:23 [ref. 25919], De la Cruz-Agüero & Cota-Gómez 1998:356 [ref. 23520], Compagno 1998:1364 [ref. 23785], McEachran & Fehrmann 1998:93 [ref. 23897], Chirichigno F. & Vélez D. 1998:40 [ref. 24555], Myers 1999:36 [ref. 23965], Fricke 1999:24 [ref. 24106], Aguilera 1998:45

[ref. 24221], Cervigón & Alcalá 1999:97 [ref. 24490], Castro-Aguirre et al. 1999:53 [ref. 24550], Mishra & Srinivasan 1999:234 [ref. 24754], Smith-Vaniz et al. 1999:117 [ref. 25013], Afonso et al. 1999:68 [ref. 25466], Johnson 1999:720 [ref. 25471], Compagno 1999:484 [ref. 25589], Nakabo 2000:140 [ref. 25086], Compagno in Randall & Lim 2000:580 [ref. 25122], Laboute & Grandperrin 2000:97 [ref. 25191], Lea & Rosenblatt 2000:119 [ref. 25206], Thomson et al. 2000:282 [ref. 25640], Bijukumar & Sushama 2000:184 [ref. 25703], Randall & Earle 2000:5 [ref. 25806], Shane 2001:162 [ref. 25756], Hutchins 2001:14 [ref. 25847], Rocha & Rosa 2001:989 [ref. 25909], Soto 2001:65 [ref. 26637], Camargo & Isaac 2001:139 [ref. 27639] as Cuvier & Griffith & Smith 1834, Bilecenoglu et al. 2002:173 [ref. 26753], Nakabo 2002:140 [ref. 26001], Youn 2002:56, 475 [ref. 26218], Allen & Adrim 2003:22 [ref. 26830], Collette et al. 2003:98 [ref. 26784], Compagno 2003:500 [ref. 26984], Gadig & Gomes in Menezes et al. 2003:24 [ref. 27192], Manilo & Bogorodsky 2003:S92 [ref. 27377], Myers & Donaldson 2003:609 [ref. 27495], Smith et al. 2003:6 [ref. 27621], Randall et al. 2004:5 [ref. 27624], Espinosa Pérez et al. 2004:70 [ref. 27705], Bonfil & Abdallah 2004:36 [ref. 27735], Nelson et al. 2004:54 [ref. 27807], Heemstra & Heemstra 2004:68 [ref. 28072], Randall 2005:16 [ref. 28239], Mundy 2005:92 [ref. 28379], Randall et al. 2005:131 [ref. 28745], Compagno et al. 2005:46 [ref. 29145], Hoese et al. 2006:110 [ref. 29001], Wirtz et al. 2007:24 [ref. 30263], Randall 2007:37 [ref. 30952], Khalaf & Zajonz 2007:423 [ref. 31739], White 2008:73 [ref. 30617], McCosker & Rosenblatt 2010:187 [ref. 30957], Motomura et al. 2010:69 [ref. 31256], Last et al. 2010:136 [ref. 32461], Fricke et al. 2011:346 [ref. 31242], Castro 2011:509 [ref. 31457], Moore et al. 2012:11 [ref. 31771], Weigmann 2012:8 [ref. 31968], Allen & Erdmann 2012:59 [ref. 31980], Yamashita et al. 2012:125 [ref. 32408], Fricke et al. 2013:250 [ref. 32706], Page et al. 2013:52 [ref. 32708], Quattro et al. 2013:159 [ref. 32875], Wirtz et al. 2013:116 [ref. 32972] needs confirmation, Larson et al. 2013:13 [ref. 32988], Ebert et al. 2013:333 [ref. 33045], Smith-Vaniz & Jelks 2014:20 [ref. 33341], Wirtz et al. 2014:2 [ref. 33516]). **Current status:** Valid as *Sphyrna lewini* (Griffith & Smith 1834). Sphyrnidae. Distribution: Circumglobal in tropical seas (including western Mediterranean Sea, Red Sea). Habitat: brackish, marine.

oceanica, Cestracion Garman [S.] 1913:158 [Memoirs of the Museum of Comparative Zoology v. 36; ref. 1545] Society Islands, French Polynesia, South Pacific. Syntypes: MCZ 460-S (3), USNM 153587 [ex MCZ 460] (1). Type catalog: Howe & Springer 1993:10 [ref. 21812], Hartel & Dingerkus 1997:xl [ref. 23119]. •Synonym of *Sphyrna lewini* (Griffith & Smith 1834) -- (Gilbert 1967:38 [ref. 21135], Gilbert 1973:33 [ref. 7164], Dor 1984:11 [ref. 29757], Compagno 1984:545 [ref. 6846], Castro-Aguirre et al. 1999:54 [ref. 24550]). **Current status:** Synonym of *Sphyrna lewini* (Griffith & Smith 1834). Sphyrnidae. Habitat: brackish, marine.

***Sphyrna mokarran* (RÜPPEL, 1837)**

dissimilis, Zygaena Murray [J. A.] 1887:103, Pl. [Journal of the Bombay Natural History Society v. 2 (no. 2); ref. 17806] Karachi, Pakistan. Published in 3 places, earliest not determined. As above, in Ann. Mag. Nat. Hist. [see ref. 17806], and in Murray 1887 [ref. 17805]. •Synonym of *Sphyrna mokarran* (Rüppell 1837) -- (Gilbert 1967:26 [ref. 21135], Compagno 1984:548 [ref. 6846]). **Current status:** Synonym of *Sphyrna mokarran* (Rüppell 1837). Sphyrnidae. Habitat: brackish, marine.

ligo, Sphyrna Fraser-Brunner [A.] 1950:214, Fig. 1 [Records of the Australian Museum v. 22 (no. 3); ref. 12952] Clarence River, New South Wales, Australia. Holotype: BMNH 1890.9.23.231 [ex Imperial Inst.] (embryo). •Synonym of *Sphyrna mokarran* (Rüppell 1837) -- (Gilbert 1967:26 [ref. 21135], Compagno 1984:548 [ref. 6846], Paxton et al. 1989:87 [ref. 12442], Hoese et al. 2006:111 [ref. 29001]). **Current status:** Synonym of *Sphyrna mokarran* (Rüppell 1837). Sphyrnidae. Habitat: brackish, marine.

mokarran, Zygaena Rüppell [W. P. E. S.] 1837:66, Pl. 17 (fig. 3) [Neue Wirbelthiere zu der Fauna von Abyssinien gehörig. Fische des Rothen Meeres; ref. 3844] Massawa, Eritrea, Red Sea. Lectotype: SMF 3590 (stuffed). Type catalog and lectotype designation: Klausewitz 1960:293 [ref. 21330]. •Valid as *Sphyrna mokarran* (Rüppell 1837) -- (Gilbert 1967:26 [ref. 21135], Quérou in Whitehead et al. 1984:124 [ref. 13675], Compagno 1984:548 [ref. 6846], Dor 1984:11 [ref. 29757], Nakaya in Masuda et al. 1984:7 [ref. 6441], Bass 1986:97 [ref. 5635], Robins & Ray 1986:30 [ref. 23100], Allen & Swainston 1988:24 [ref. 25477], Paxton et al. 1989:87 [ref. 12442], Springer 1990:109 [ref. 19320], Randall et al. 1990:23 [ref. 15987], Boschung 1992:24 [ref. 23239], Cervigón 1992:187 [ref. 23827], Baranes & Golani 1993:301 [ref. 22372], Allen & Robertson 1994:25 [ref. 22193], Last & Stevens 1994:274 [ref. 23873], Goren & Dor 1994:4 [ref. 25356], Compagno et al. in Fischer et al. 1995:720 [ref. 22829], Randall 1995:38 [ref. 22896], Mohsin & Ambak 1996:68 [ref. 27969], Allen 1997:44 [ref. 23977], Grove & Lavenberg 1997:99 [ref. 24023] [but see McCosker 1998:809 [ref. 24025]], Compagno 1998:1365 [ref. 23785], McEachran & Feckhelm 1998:94 [ref. 23897], Aguilera 1998:45 [ref. 24221], Chirichigno F. & Vélez D. 1998:40 [ref. 24555], Myers 1999:36 [ref. 23965], Fricke 1999:24 [ref. 24106], Cervigón & Alcalá 1999:100 [ref. 24490], Castro-Aguirre et al. 1999:53 [ref. 24550], Smith-Vaniz et al. 1999:118 [ref. 25013], Johnson 1999:720 [ref. 25471], Compagno 1999:484 [ref. 25589], Nakabo 2000:140 [ref. 25086], Compagno in Randall & Lim 2000:580 [ref. 25122], Laboute & Grandperrin 2000:97 [ref. 25191], Schmitter-Soto et al. 2000:146 [ref. 27754], Hutchins 2001:14 [ref. 25847], Soto 2001:65, 85 [ref. 26637], Nakabo 2002:140 [ref. 26001], Allen & Adrim 2003:22 [ref. 26830], Compagno 2003:502 [ref. 26984], Gadig & Gomes in Menezes et al. 2003:24 [ref. 27192], Manilo & Bogorodsky 2003:S92 [ref. 27377], Espinosa Pérez et al. 2004:71 [ref. 27705], Bonfil & Abdallah 2004:36 [ref. 27735], Nelson et al. 2004:54 [ref. 27807], Heemstra & Heemstra 2004:68 [ref. 28072], Randall 2005:16 [ref. 28239], Mundy 2005:93 [ref. 28379], Randall et al. 2005:131 [ref. 28745], Compagno et al. 2005:46 [ref. 29145], Hoese et al. 2006:111 [ref. 29001], Randall 2007:38 [ref. 30952], Fricke et al. 2009:10 [ref. 30213], McCosker & Rosenblatt 2010:187 [ref. 30957], Last et al. 2010:138 [ref. 32461], Fricke et al. 2011:346 [ref. 31242], Castro 2011:516 [ref. 31457], Moore et al. 2012:11 [ref. 31771], Allen & Erdmann 2012:60 [ref.

31980], Fricke et al. 2013:250 [ref. 32706], Page et al. 2013:52 [ref. 32708], Wirtz et al. 2013:116 [ref. 32972], Larson et al. 2013:13 [ref. 32988], Ebert et al. 2013:340 [ref. 33045], Smith-Vaniz & Jelks 2014:20 [ref. 33341]). **Current status:** Valid as *Sphyrna mokarran* (Rüppell 1837). Sphyrnidae. Distribution: Circumglobal in tropical through warm temperate seas (including Red Sea). Habitat: brackish, marine.

***Sphyrna zygaena* (LINNAEUS, 1758)**

malleus, Zygaena Valenciennes [A.] 1822:223, Pl. 1 (fig. 1) [Mémoires du Muséum National d'Histoire Naturelle, Paris v. 9; ref. 17862] France; Brazil, southwestern Atlantic; Mediterranean Sea. No types known. •Synonym of *Sphyrna zygaena* (Linnaeus 1758) -- (Gilbert 1967:31 [ref. 21135], Gilbert 1973:32 [ref. 7164] as Cuvier 1816, Springer 1990:110 [ref. 19320], Soto 2001:66 [ref. 26637], Bilecenoglu et al. 2002:15 [ref. 26753] with authorship as Cuvier 1817, Mundy 2005:93 [ref. 28379]). **Current status:** Synonym of *Sphyrna zygaena* (Linnaeus 1758). Sphyrnidae. Habitat: brackish, marine.

subarcuata, Zygaena Storer [D. H.] 1848:71 [Proceedings of the Boston Society of Natural History v. 3 (1848-1851); ref. 18844] Harbor at Provincetown, Massachusetts, U.S.A., Cape Cod Bay, western North Atlantic. Holotype (unique): MCZ. Non-types: ?MCZ 1416-S (1), 89507-08 (1, 1). •Synonym of *Sphyrna zygaena* (Linnaeus 1758) -- (Gilbert 1967:31 [ref. 21135], Gilbert 1973:32 [ref. 7164], Compagno 1984:553 [ref. 6846], Castro 2011:529 [ref. 31457]). **Current status:** Synonym of *Sphyrna zygaena* (Linnaeus 1758). Sphyrnidae. Habitat: brackish, marine.

vulgaris, Zygaena Cloquet [H.] 1830:621 (v. 60) [Dictionnaire des sciences Naturelles; ref. 852] Mediterranean Sea, Arabian Sea, and Red Sea. whereabouts unknown. Based on *Squalus zygaena* Linnaeus 1758, probably to avoid strickland tautonymy. •Synonym of *Sphyrna zygaena* (Linnaeus 1758) -- (Gilbert 1973:32 [ref. 7164], Compagno 1984:553 [ref. 6846]). **Current status:** Synonym of *Sphyrna zygaena* (Linnaeus 1758). Sphyrnidae. Habitat: brackish, marine.

zygaena, Squalus Linnaeus [C.] 1758:234 [Systema Naturae, Ed. X v. 1; ref. 2787] Mediterranean Sea and Atlantic [original: "Europa, America"]; localities include Spain; Marseille, France; Rome, Italy; Lesbos Island, Greece; Syria, Mediterranean Sea. Syntypes: NRM 88 (1). Type catalog: Fernholm & Wheeler 1983:208 [ref. 20707]. Originally based on multiple species and at least 24 pre-Linnaean sources including Artdi 1738:68 [ref. 30578] and Artdi 1738:96 [ref. 30349] as *Squalus capite latissimo transverso mallei instar*; Rondelet 1554:389 [ref. 30354] as *Zygæna*, Salviani 1558:128 [ref. 30229] as *Libella*, Willughby 1686:55 [ref. 30164] and Ray 1713:20 [ref. 30231] as *Zygæna*. Spelled *zygena* by Bonnaterre 1788:9 [ref. 4940], and *zigoena* by Cabrera, Pérez & Haenseler 1817:11 [ref. 17319], see Graells 1887:185 [ref. 30438]. Spelled *zygoena* by Chevey 1932:6 [ref. 23060] as *Cestracion*. Name spelled *Squalus zygaena* by Sonnini 1803:74 [ref. 30464] and Berthelot 1890:115 [ref. 30346]. •Valid as *Sphyrna zygaena* (Linnaeus 1758) -- (Gilbert 1967:31 [ref. 21135], Gilbert 1973:32 [ref. 7164], Eschmeyer & Herald 1983:43 [ref. 9277], Quéro in Whitehead et al. 1984:125 [ref. 13675], Compagno 1984:553 [ref. 6846], Nakaya in Masuda et al. 1984:7 [ref. 6441], Bass 1986:97 [ref. 5635], Robins & Ray 1986:30 [ref. 23100], Allen & Swainston 1988:24 [ref. 25477], Scott & Scott 1988:29 [ref. 25518], Paxton et al. 1989:87 [ref. 12442], Pequeño 1989:13 [ref. 14125], Paulin et al. 1989:26 [ref. 24556], McAllister 1990:32 [ref. 14674], Springer 1990:110 [ref. 19320], Cervigón 1992:188 [ref. 23827], Francis 1993:157 [ref. 25479], Francis & Randall 1993:128 [ref. 20996], Kuitert 1993:11 [ref. 23929], Gomon et al. 1994:140 [ref. 22532], Last & Stevens 1994:275 [ref. 23873], Compagno et al. in Fischer et al. 1995:722 [ref. 22829], Mohsin & Ambak 1996:69 [ref. 27969], Murdy et al. 1997:28 [ref. 23144], Santos et al. 1997:9 [ref. 23531], Allen 1997:44 [ref. 23977], Cheng & Zhou 1997:35 [ref. 26385], Grove & Lavenberg 1997:100 [ref. 24023], Arruda 1997:19 [ref. 24952], Compagno 1998:1366 [ref. 23785], Chirichigno F. & Vélez D. 1998:39 [ref. 24555], Sokolovskaya et al. 1998:7 [ref. 24670], Fricke 1999:25 [ref. 24106], Morón et al. 1999:148 [ref. 24253], Smith-Vaniz et al. 1999:118 [ref. 25013], Capapé et al. 1999:50 [ref. 25276], Compagno 1999:484 [ref. 25589], Nakabo 2000:140 [ref. 25086], Compagno in Randall & Lim 2000:580 [ref. 25122], Lea & Rosenblatt 2000:119 [ref. 25206], Hutchins 2001:14 [ref. 25847], Wang et al. 2001:34 [ref. 26566], Soto 2001:65, 85 [ref. 26637], Bilecenoglu et al. 2002:15 [ref. 26753], Branstetter in Collette & Klein-MacPhee 2002:46 [ref. 26158], Nakabo 2002:140 [ref. 26001], Youn 2002:56, 475 [ref. 26218], López et al. 2002:62 [ref. 26808], Compagno 2003:505 [ref. 26984], Gadig & Gomes in Menezes et al. 2003:24 [ref. 27192], Espinosa Pérez et al. 2004:73 [ref. 27705], Nelson et al. 2004:54 [ref. 27807], Heemstra & Heemstra 2004:68 [ref. 28072], Mundy 2005:93 [ref. 28379], Compagno et al. 2005:46 [ref. 29145], Hoese et al. 2006:111 [ref. 29001], Fricke et al. 2007:15 [ref. 29533], Vasil'eva 2007:16 [ref. 30517], Randall 2007:39 [ref. 30952], White 2008:74 [ref. 30617], George 2009:55 [ref. 30539], McCosker & Rosenblatt 2010:187 [ref. 30957], Castro 2011:529 [ref. 31457], Yamashita et al. 2012:125 [ref. 32408], Page et al. 2013:52 [ref. 32708], Wirtz et al. 2013:116 [ref. 32972], Ebert et al. 2013:340 [ref. 33045], Parin et al. 2014:24 [ref. 33547]). **Current status:** Valid as *Sphyrna zygaena* (Linnaeus 1758). Sphyrnidae. Distribution: Cosmopolitan in warm temperate seas, occasionally in tropical seas (including Mediterranean Sea, Black Sea, Hawaiian Islands). Habitat: brackish, marine.

LAMNIFORMES

Cetorhinidae

***Cetorhinus maximus* (GUNNERUS, 1765)**

angiova, Tetroras Rafinesque [C. S.] 1810:11 [Caratteri di alcuni nuovi generi e nuove specie di animali e piante della Sicilia; ref. 3594] Sicily, Italy, Mediterranean Sea. No types known. Also appeared in Rafinesque 1810:46 [ref. 3595]. Spelled *angiona* by Bigelow & Schroeder 1948:146 [ref. 16817]. •Questionably a synonym of *Cetorhinus maximus* (Gunnerus 1765) -- (Compagno 1984:234 [ref. 6474], Compagno 2001:91 [ref. 26323]). **Current status:** Uncertain as *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae. Habitat: marine.

blainvillei, Cetorhinus de Brito Capello [F.] 1869:233, pl. [Jornal do Sciências Mathemáticas, Physicas e Naturaes, Lisboa v. 2 (no. 7); ref. 17966] Portugal. No types known. •Synonym of *Cetorhinus maximus* (Gunnerus 1765) -- (Compagno 1984:234 [ref. 6474]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae. Habitat: marine.

cetaceus, Squalus Gronow [L. T.] in Gray 1854:6 [Catalogue of fish collected and described by Laurence Theodore Gronow; ref. 1911] Norwegian Sea. No types known. •Synonym of *Cetorhinus maximus* (Gunnerus 1765) -- (Compagno 1984:234 [ref. 6474], Compagno 2001:91 [ref. 26323]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae. Habitat: marine.

elephas, Squalus Lesueur [C. A.] 1822:350, unnumbered plate [Journal of the Academy of Natural Sciences, Philadelphia v. 2; ref. 17519] Brown's Point, Raritan Bay, New Jersey, U.S.A. Holotype (unique): whereabouts unknown. •Synonym of *Cetorhinus maximus* (Gunnerus 1765) -- (Compagno 1984:234 [ref. 6474]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae. Habitat: marine.

gunneri, Squalis (Cetorhinus) Blainville [H. de] 1816:121 [Bulletin de la Société Philomathique de Paris v. 8; ref. 306] Not available, name only; perhaps shortened spelling for *Squalus gunnerianus* Blainville 1810. •In the synonymy of *Cetorhinus maximus* (Gunnerus 1765) -- (Springer 1973:16 [ref. 7162], Compagno 1984:234 [ref. 6474], Compagno 2001:91 [ref. 26323]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae.

gunnerianus, Squalus Blainville [H. de] 1810:256, Pl. 2 (fig. 3) [Journal de Physique, de Chimie et d'Histoire Naturelle Paris v. 71; ref. 16818] Nordland County, northern Norway, Northeastern Atlantic. No types known. Also appeared in Blainville 1811:170 [ref. 16819]. Unneeded replacement name for *Squalus maximus* Gunnerus 1765. •Synonym of *Cetorhinus maximus* (Gunnerus 1765) -- (Springer 1973:16 [ref. 7162], Compagno 1984:234 [ref. 6474], Compagno 2001:91 [ref. 26323], Hoese & Gates 2006:74 [ref. 28997]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae. Habitat: marine.

homianus, Squalus Blainville [H. de] 1810:171, Pl. 2 (fig. 1) [Nouveau Bulletin des Sciences, par la Société Philomathique, Paris. v. 2 (no. 38); ref. 16819] No types known. •Synonym of *Cetorhinus maximus* (Gunnerus 1765) -- (Compagno 1984:234 [ref. 6474], Compagno 2001:91 [ref. 26323]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae. Habitat: marine.

infanuncula, Cetorhinus maximus forma van Deinse [A. B.] & Adriani [M. J.] 1953:309 [Zoologische Mededelingen (Leiden) v. 31(no. 27); ref. 21995] Infrasubspecific, not available, as a forma (or aberration) of specimens without gill rakers. •In the synonymy of *Cetorhinus maximus* (Gunnerus 1765) -- (Compagno 1984:234 [ref. 6474], Compagno 2001:91 [ref. 26323]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae.

isodus, Squalus Macri [S.] 1819:65, 76, Pl. 1 (fig. 1) [Atti della Accademia di scienze Napoli. Atti della Rale Academia delle Scienze, Sezione della Società Reale Borbonica, Class di Fisica e di Storia Naturelem, Nappli. v. 1; ref. 17591] Capri Island, Italy, western Mediterranean Sea. No types known. •Synonym of *Cetorhinus maximus* (Gunnerus 1765) -- (Compagno 2001:91 [ref. 26323]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae. Habitat: marine.

maccoyi, Tetroras Barrett [C.] 1933:13, fig. [Sun Nature Book; ref. 19945] Australia. No types known. Original not seen; compiled from Whitley 1934:197 [ref. 4949]. •Synonym of *Cetorhinus maximus* (Gunnerus 1765) -- (Springer & Gilbert 1976:52 [ref. 21287], Quéro in Whitehead et al. 1984:89 [ref. 13675], Compagno 1984:234 [ref. 6474], Paxton et al. 1989:67 [ref. 12442], Last & Stevens 1994:160 [ref. 23873], Compagno 2001:91 [ref. 26323], Hoese & Gates 2006:75 [ref. 28997]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae. Habitat: marine.

macer, Polyprosopus Couch [J.] 1862:68, Pl. 15 (fig. 2) [The history of the fishes of the British islands v. 1; ref. 989] Startpoint, Cornwall, England. No types known. •Synonym of *Cetorhinus maximus* (Gunnerus 1765) -- (Compagno 1984:234 [ref. 6474], Compagno 2001:91 [ref. 26323]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae. Habitat: marine.

maximus, Squalus Gunnerus [J. E.] 1765:33, Pl. 2 [Det Trondhiemske Selskabs Skrifter [= Drontheim. Gesell. Schrift.] v. 3; ref. 18172] Nordland County, northern Norway, Northeastern Atlantic. No types known. Original spelling as *Sqvalus maximus* due to classical typesetting. Lectotype designated by Fricke 1999:15 [ref. 24101] as the illustration of Gunnerus (1765: Pl. 2) [specimen not in existence]. •Valid as *Cetorhinus maximus* (Gunnerus 1765) -- (Springer 1973:16 [ref. 7162], Springer & Gilbert 1976:47 [ref. 21287], Eschmeyer &

Herald 1983:28 [ref. 9277], Quéro in Whitehead et al. 1984:89 [ref. 13675], Compagno 1984:234 [ref. 6474], Nakaya in Masuda et al. 1984:8 [ref. 6441], Menni 1986:434 [ref. 11487], Bass 1986:101 [ref. 5635], Robins & Ray 1986:19 [ref. 23100], Scott & Scott 1988:17 [ref. 25518], Paxton et al. 1989:67 [ref. 12442], Pequeño 1989:12 [ref. 14125], Paulin et al. 1989:20 [ref. 24556], McAllister 1990:30 [ref. 14674], Springer 1990:86 [ref. 19319], Gomon et al. 1994:144 [ref. 22532], Last & Stevens 1994:159 [ref. 23873], Compagno et al. in Fischer et al. 1995:688 [ref. 22829], Cheng & Zhou 1997:21 [ref. 26385], Murdy et al. 1997:23 [ref. 23144], Santos et al. 1997:10 [ref. 23531], Arruda 1997:16 [ref. 24952], McEachran & Fechhelm 1998:52 [ref. 23897], Chirichigno F. & Vélez D. 1998:44 [ref. 24555], Sokolovskaya et al. 1998:7 [ref. 24670], Compagno 1999:478 [ref. 25589], Fricke 1999:15 [ref. 24101], Musick et al. 2000:8 [ref. 24959], Nakabo 2000:124 [ref. 25086], Compagno in Randall & Lim 2000:578 [ref. 25122], Sheiko & Fedorov 2000:14 [ref. 25650], Hutchins 2001:13 [ref. 25847], Compagno 2001:91 [ref. 26323], Soto 2001:65, 88 [ref. 26637], Bilecenoglu et al. 2002:10 [ref. 26753], Branstetter in Collette & Klein-MacPhee 2002:32 [ref. 26158], Mecklenburg et al. 2002:81 [ref. 25968], Nakabo 2002:124 [ref. 26001], Youn 2002:57, 476 [ref. 26218], Compagno 2003:431 [ref. 26984], Gadig & Gomes in Menezes et al. 2003:25 [ref. 27192], Espinosa Pérez et al. 2004:81 [ref. 27705], Nelson et al. 2004:52 [ref. 27807], Mundy 2005:97 [ref. 28379], Compagno et al. 2005:17 [ref. 29145], Hoese & Gates 2006:74 [ref. 28997], Fricke 2007:25 [ref. 30577], Fricke et al. 2007:12 [ref. 29533], White 2008:43 [ref. 30617], George 2009:34 [ref. 30539], Möller et al. 2010:16 [ref. 31169], Motomura et al. 2010:68 [ref. 31256], Mecklenburg et al. 2011:115 [ref. 31212], Castro 2011:249 [ref. 31457], Page et al. 2013:50 [ref. 32708], Wirtz et al. 2013:115 [ref. 32972], Ebert et al. 2013:311 [ref. 33045], Parin et al. 2014:18 [ref. 33547]). **Current status:** Valid as *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae. Distribution: Cosmopolitan but antitropical (including Mediterranean Sea, Baltic Sea, North Sea). Habitat: marine.

normani, *Cetorhinus* Siccardi [E. M.] 1961:255, Pl. 1 [Actas y trabajos dei Congreso Sudamericano de Zoologia. v. 4 (pt 5); ref. 9379] Mar del Plata and Puerto Quequén, Argentina. Syntypes: (4) MACN. •Synonym of *Cetorhinus maximus* (Gunnerus 1765) -- (Springer & Gilbert 1976:52 [ref. 21287], Quéro in Whitehead et al. 1984:89 [ref. 13675], Compagno 1984:234 [ref. 6474], Compagno 2001:91 [ref. 26323], Soto 2001:88 [ref. 26637]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae. Habitat: marine.

pelegrinus, *Squalus* Blainville [H. de] 1810:365, Pl. 2 (fig. 2) [Nouveau Bulletin des Sciences, par la Société Philomathique, Paris. v. 2 (4. année, No. 50); ref. 26329] Dieppe, northern France. Holotype: MNHN 0000-9853 (mounted). Type catalog: Bertin 1939:74-75 [ref. 20739]. Also in Blainville 1811:169 [ref. 16819]; spelled *peregrinus* in Blainville 1811:365 [ref. 26329] and 1816:121 [ref. 306]. •Synonym of *Cetorhinus maximus* (Gunnerus 1765) -- (Compagno 1984:234 [ref. 6474], Compagno 2001:91 [ref. 26323], Castro 2011:249 [ref. 31457] as *peregrinus*) **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae. Habitat: marine.

pennantii, *Selachus* Cornish [T.] 1885:351 [The Zoologist: a Popular Miscellany of Natural History (Series 3) v. 9 (no. 105); ref. 18041] Mount's Bay, England. No types known. •Synonym of *Cetorhinus maximus* (Gunnerus 1765) -- (Compagno 1984:234 [ref. 6474], Compagno 2001:91 [ref. 26323]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae. Habitat: marine.

pontoppidiani, *Halsydrus* Fleming [J.] (ex Neill) 1817:691 [Edinburgh Encyclopedia v. 11; ref. 26328] Holotype (unique): NMSZ 1979.012 (parts). Appeared first without distinguishing features as *pontoppidani* in Neill 1809; see Bland & Swinney 1978:134 [ref. 26326]. •Synonym of *Cetorhinus maximus* (Gunnerus 1765) -- (Compagno 1984:234 [ref. 6474], Compagno 2001:91 [ref. 26323]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae. Habitat: marine.

rashleighanus, *Squalus* Couch [J.] 1838:51 [A Cornish fauna, being a compendium of the natural history of the county; ref. 18049] Cornwall, England. No types known. •Synonym of *Cetorhinus maximus* (Gunnerus 1765) -- (Compagno 1984:234 [ref. 6474]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae. Habitat: marine.

rhinoceros, *Squalus* DeKay [J. E.] (ex Mitchill) 1842:358 [Zoology of New-York; ref. 1098] Not available, name mentioned in passing under *Selachus maximus*. •In the synonymy of *Cetorhinus maximus* (Gunnerus 1765) -- (Compagno 1984:234 [ref. 6474], Compagno 2001:91 [ref. 26323]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae.

rostratus, *Squalus* Macri [S.] 1819:76, Pl. 1 (fig. 2) [Atti della Accademia di scienze Napoli. Atti della Ralee Academia delle Science, Sezione della Società Reale Borbonica, Class di Fisica e di Storia Naturelem, Nappli. v. 1; ref. 17591] Messina, Sicily, Italy, Mediterranean Sea. No types known. •Synonym of *Cetorhinus maximus* (Gunnerus 1765) -- (Springer & Gilbert 1976:52 [ref. 21287], Quéro in Whitehead et al. 1984:89 [ref. 13675], Compagno 1984:234 [ref. 6474], Compagno 2001:91 [ref. 26323]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae. Habitat: marine.

shavianus, *Squalis* (*Cetorhinus*) Blainville [H. de] 1816:121 [Bulletin de la Société Philomathique de Paris v. 8; ref. 306] Not available, name only. •In the synonymy of *Cetorhinus maximus* (Gunnerus 1765) -- (Compagno 1984:234 [ref. 6474], Compagno 2001:91 [ref. 26323]). **Current status:** Synonym of *Cetorhinus maximus* (Gunnerus 1765). Cetorhinidae.

Lamnidae

***Carcharodon carcharias* (LINNAEUS, 1758)**

albmors, *Carcharodon* Whitley [G. P.] 1939:240 [Australian Zoologist v. 9 (pt 3); ref. 4695] Port Jackson, Sydney harbor, New South Wales, Australia. Holotype (unique): AMS I.1723. Based on literature and one specimen cited as type. •Synonym of *Carcharodon carcharias* (Linnaeus 1758) -- (Paxton et al. 1989:67 [ref. 12442], Last & Stevens 1994:163 [ref. 23873], Compagno 2001:100 [ref. 26323], Hoese & Gates 2006:77 [ref. 28997]). **Current status:** Synonym of *Carcharodon carcharias* (Linnaeus 1758). Lamnidae. Habitat: brackish, marine.

atwoodi, *Carcharias* Storer [D. H.] 1848:71 [Proceedings of the Boston Society of Natural History v. 3 (1848-1851); ref. 18843] Provincetown, Massachusetts, U.S.A. Holotype (unique): MCZ 89505 (missing) [jaws may be MCZ 775-S]. •Synonym of *Carcharodon carcharias* (Linnaeus 1758) -- (Compagno 1984:238 [ref. 6474], Compagno 2001:100 [ref. 26323]). **Current status:** Synonym of *Carcharodon carcharias* (Linnaeus 1758). Lamnidae. Habitat: brackish, marine.

caninus, *Squalus* Osbeck [P.] 1765:102 [Reise nach Ostindien und China; ref. 3311] Southeastern Atlantic, southwest of Cape of Good Hope, at 35°15' S. No types known. •Synonym of *Carcharodon carcharias* (Linnaeus 1758). **Current status:** Synonym of *Carcharodon carcharias* (Linnaeus 1758). Lamnidae. Habitat: brackish, marine.

capensis, *Carcharodon* Smith [A.] 1839:no pagination, Pl. 4 [Illustrations of the zoology of South Africa v. 4; ref. 4035] Cape Seas, South Africa. Holotype: BMNH 1850.9.5.3 (stuffed). •Synonym of *Carcharodon carcharias* (Linnaeus 1758) -- (Bass 1986:98 [ref. 5635], Compagno 2001:100 [ref. 26323]). **Current status:** Synonym of *Carcharodon carcharias* (Linnaeus 1758). Lamnidae. Habitat: brackish, marine.

carcharias, *Squalus* Linnaeus [C.] 1758:235 [Systema Naturae, Ed. X v. 1; ref. 2787] Mediterranean Sea, northeastern Atlantic, western Atlantic [original: "in Europa"]; localities include Bayonne, France, Bay of Biscay; Spain; Marseille and Nice, France; Italy; Malta; Lesbos Island, Greece; Syria; Brazil. No types known. Lectotype or neotype fixation needed: the type locality should be restricted to Mediterranean Sea or Northeastern Atlantic Ocean, according to current usage. Neotype designation by Fricke 1999:15 [ref. 24106] is invalid; see Fricke 2000:639 [ref. 24537]. Originally based on multiple species and at least 30 pre-Linnaean sources including Artedi 1738:70 [ref. 30578] and Artedi 1738:98 [ref. 30349] as *Squalus dorso plano, dentibus serratis*; Rondelet 1554:390 [ref. 30354] as *Lamia*, Markgraf von Liebstadt 1648:181 [ref. 30347] as *Tibur*, Jonston 1649:209, Pl. 39 [ref. 30579] as *Tiburone*, Charleton 1668:127 [ref. 30580] as *Canis carcharias*, Willughby 1686:47 [ref. 30164] and Ray 1713:18 [ref. 30231] as *Canis carcharias seu lamia*. •Valid as *Carcharodon carcharias* (Linnaeus 1758) -- (Springer 1973:13 [ref. 7162], Eschmeyer & Herald 1983:29 [ref. 9277], Compagno 1984:238 [ref. 6474], Quérou in Whitehead et al. 1984:84 [ref. 13675], Nakaya in Masuda et al. 1984:9 [ref. 6441], Bass 1986:98 [ref. 5635], Menni 1986:433 [ref. 11487], Robins & Ray 1986:19 [ref. 23100], Nakano & Nakaya 1987:414 [ref. 12620], Scott & Scott 1988:14 [ref. 25518], Paxton et al. 1989:67 [ref. 12442], Pequeño 1989:12 [ref. 14125], Paulin et al. 1989:20 [ref. 24556], McAllister 1990:29 [ref. 14674], Springer 1990:87 [ref. 19319], Randall et al. 1990:17 [ref. 15987], Cervigón 1992:180 [ref. 23827], Francis 1993:157 [ref. 25479], Francis & Randall 1993:125 [ref. 20996], Kuitert 1993:14 [ref. 23929], Bianchi & Carpenter in Bianchi et al. 1993:73 [ref. 25472], Gomon et al. 1994:142 [ref. 22532], Last & Stevens 1994:162 [ref. 23873], Goren & Dor 1994:1 [ref. 25356], Compagno et al. in Fischer et al. 1995:703 [ref. 22829], Randall 1995:24 [ref. 22896], Grove & Lavenberg 1997:57 [ref. 24023] [but see McCosker 1998:809 [ref. 24025]], Santos et al. 1997:10 [ref. 23531], Arruda 1997:15 [ref. 24952], Cheng & Zhou 1997:20 [ref. 26385], Compagno 1998:1276 [ref. 23785], McEachran & Fechtelm 1998:54 [ref. 23897], Chirichigno F. & Vélez D. 1998:44 [ref. 24555], Sokolovskaya et al. 1998:7 [ref. 24670], Fricke 1999:14 [ref. 24106], Smith-Vaniz et al. 1999:120 [ref. 25013], Johnson 1999:719 [ref. 25471], Compagno 1999:478 [ref. 25589], Musick et al. 2000:8 [ref. 24959], Nakabo 2000:125 [ref. 25086], Compagno in Randall & Lim 2000:578 [ref. 25122], Laboute & Grandperrin 2000:87 [ref. 25191], Sheiko & Fedorov 2000:14 [ref. 25650], Storai et al. 2001:139 [ref. 25325], Hutchins 2001:13 [ref. 25847], Compagno 2001:100 [ref. 26323], Soto 2001:65, 89 [ref. 26637], Bilecenoglu et al. 2002:9 [ref. 26753], Mecklenburg et al. 2002:77 [ref. 25968], Nakabo 2002:125 [ref. 26001], Branstetter in Collette & Klein-MacPhee 2002:27 [ref. 26158], Youn 2002:58, 476 [ref. 26218], Compagno 2003:436 [ref. 26984], Gadig & Gomes in Menezes et al. 2003:25 [ref. 27192], Espinosa Pérez et al. 2004:83 [ref. 27705], Nelson et al. 2004:52 [ref. 27807], Heemstra & Heemstra 2004:70 [ref. 28072], Mundy 2005:97 [ref. 28379], Compagno et al. 2005:18 [ref. 29145], Hoese & Gates 2006:77 [ref. 28997], Moore et al. 2007:67 [ref. 29311], Fricke et al. 2007:12 [ref. 29533], Randall 2007:40 [ref. 30952], White 2008:40 [ref. 30617], Fricke et al. 2009:8 [ref. 30213], Fricke et al. 2011:345 [ref. 31242], Castro 2011:258 [ref. 31457], Mollen et al. 2012:30 [ref. 32005], Page et al. 2013:50 [ref. 32708], Smith-Vaniz & Collette 2013:168 [ref. 32953], Wirtz et al. 2013:115 [ref. 32972], Ebert et al. 2013:311 [ref. 33045], Parin et al. 2014:19 [ref. 33547]). **Current status:** Valid as *Carcharodon carcharias* (Linnaeus 1758). Lamnidae. Distribution: Nearly circumglobal, mostly in warm temperate seas (including Mediterranean Sea) [ref. 33045]. Habitat: brackish, marine.

lamia, *Carcharias* Rafinesque [C. S.] 1810:44 [Indice d'ittologia siciliana; ref. 3595] New name for *Squalus carcharias* Linnaeus 1758. Not available, on Official Index (Opinion 723). •Synonym of *Carcharodon carcharias* (Linnaeus 1758) -- (Springer 1973:13 [ref. 7162], Springer 1990:87 [ref. 19319], Compagno 2001:100 [ref. 26323], Hoese & Gates 2006:77 [ref. 28997]). **Current status:** Synonym of *Carcharodon carcharias* (Linnaeus 1758). Lamnidae. Habitat: brackish, marine.

maso, *Carcharias* Morris [E. F.] 1898:412 [Australian English; ref. 30215] New Zealand. No types known. Name only, not available. •In the synonymy of *Carcharodon carcharias* (Linnaeus 1758) -- (Compagno 1984:238 [ref. 6474], Compagno 2001:100 [ref. 26323]). **Current status:** Synonym of *Carcharodon carcharias* (Linnaeus 1758). Lamnidae.

rondeletii, *Carcharodon* Müller [J.] & Henle [F. G. J.] 1839:70 [Systematische Beschreibung der Plagiostomen; ref. 3069] Adriatic Sea (Mediterranean Sea); Atlantic; Cape Town, South Africa, southeastern Atlantic; Pacific coast of Australia. Syntypes: BMNH 1850.9.5.3 (1 stuffed) Cape Town, South Africa; RUSM uncat. (2, whereabouts unknown), SMF uncat. (1, whereabouts unknown) Adriatic, ZMB uncat. (1, whereabouts unknown). •Synonym of *Carcharodon carcharias* (Linnaeus 1758) -- (Springer 1973:13 [ref. 7162], Paxton et al. 1989:67 [ref. 12442], Compagno 2001:100 [ref. 26323], Bilecenoglu et al. 2002:9 [ref. 26753] dated 1841, Hoese & Gates 2006:77 [ref. 28997], Castro 2011:258 [ref. 31457] as *rondeletti*). **Current status:** Synonym of *Carcharodon carcharias* (Linnaeus 1758). Lamnidae. Habitat: brackish, marine.

smithi, *Carcharodon* Bonaparte [C. L.] 1838:9 [Nuovi annali delle scienze naturali e rendiconto dei lavori dell'Accademia della Scienze dell'Istituto di Bologna con appendice agraria. Bologna v. 2; ref. 4979] No locality stated. Although authorship is credited to Müller & Henle, the name is used first in Bonaparte. •Synonym of *Carcharodon carcharias* (Linnaeus 1758) -- (Compagno 1984:238 [ref. 6474]). **Current status:** Synonym of *Carcharodon carcharias* (Linnaeus 1758). Lamnidae. Habitat: brackish, marine.

smithii, *Carcharodon* Agassiz [L.] (ex Müller & Henle) 1838:90, Pl. F (figs. 3, 3a-3c) [Recherches sur les poissons fossiles; ref. 13390] No locality stated. •Synonym of *Carcharodon carcharias* (Linnaeus 1758) -- (Compagno 1984:238 [ref. 6474], Compagno 2001:100 [ref. 26323]). **Current status:** Synonym of *Carcharodon carcharias* (Linnaeus 1758). Lamnidae. Habitat: brackish, marine.

verus, *Carcharias* Cloquet [H.] 1817:69 (v. 7) [Dictionnaire des sciences Naturelles; ref. 852] The Ocean. No types known. •Synonym of *Carcharodon carcharias* (Linnaeus 1758) -- (Compagno 1984:238 [ref. 6474], Compagno 2001:100 [ref. 26323]). **Current status:** Synonym of *Carcharodon carcharias* (Linnaeus 1758). Lamnidae. Habitat: brackish, marine.

vorax, *Carcharias* Owen [R.] 1853:94 [Descriptive catalogue of the osteological series; ref. 4988] No types known. •Questionably a synonym of *Carcharodon carcharias* (Linnaeus 1758) -- (Compagno 1984:238 [ref. 6474], Compagno 2001:100 [ref. 26323]). **Current status:** Uncertain as *Carcharodon carcharias* (Linnaeus 1758). Lamnidae. Habitat: marine.

vulgaris, *Squalus* (*Carcharias*) Richardson [J.] 1837:288 [Fauna Boreali-Americana Part 3; ref. 3731] No types known. Unexplained new name. •Synonym of *Carcharodon carcharias* (Linnaeus 1758) -- (Compagno 1984:238 [ref. 6474], Compagno 2001:100 [ref. 26323]). **Current status:** Synonym of *Carcharodon carcharias* (Linnaeus 1758). Lamnidae. Habitat: brackish, marine.

***Lamna nasus* (Bonnaterre, 1788)**

cambricus, *Squalus* Turton [W.] 1800:920 [A general system of nature v. 1; ref. 17934] British coasts. No types known. Species description forwarded by J. Pollerspöck Oct. 2012. •Synonym of *Lamna nasus* (Bonnaterre 1788) (pers. comm. J. Pollerspöck, Oct. 13, 2012). **Current status:** Synonym of *Lamna nasus* (Bonnaterre 1788). Lamnidae. Habitat: marine.

cornubicus, *Squalus* Gmelin [J. F.] 1789:1497 [Caroli a Linné ... Systema Naturae per regna tria naturae v. 1 (pt 3); ref. 18139] Cornwall, England, Northeastern Atlantic. No types known. Spelled *cornubiensis* in Pennant 1812:186 [ref. 18529]. Spelled *Lamna cornutica* in Morris 1898:412 [ref. 30215]. •Synonym of *Lamna nasus* (Bonnaterre 1788) -- (Springer 1973:13 [ref. 7162], Quérou in Whitehead et al. 1984:87 [ref. 13675], Compagno 1984:248 [ref. 6474], Springer 1990:88 [ref. 19319], Compagno 2001:121 [ref. 26323], Hoese & Gates 2006:79 [ref. 28997], Castro 2011:284 [ref. 31457], Parin et al. 2014:20 [ref. 33547]). **Current status:** Synonym of *Lamna nasus* (Bonnaterre 1788). Lamnidae. Habitat: marine.

cornubiensis, *Squalus* Pennant [T.] 1812:186 [British zoology. 5th edition. v. 3; ref. 18529] Incorrect subsequent spelling of *Squalus cornubicus* Gmelin. •In the synonymy of *Lamna nasus* (Bonnaterre 1788) -- (Compagno 1984:248 [ref. 6474]). **Current status:** Synonym of *Lamna nasus* (Bonnaterre 1788). Lamnidae.

daekayi, *Oxyrhina* Gill [T. N.] 1861:60 [Proceedings of the Academy of Natural Sciences of Philadelphia v. 13 (Suppl.); ref. 1766] Based on *Lamna punctata* (non Mitchill) of Storer 1846:252 [ref. 18840]. •Synonym of *Lamna nasus* (Bonnaterre 1788) -- (Compagno 1984:248 [ref. 6474], Compagno 2001:122 [ref. 26323], Castro 2011:284 [ref. 31457]). **Current status:** Synonym of *Lamna nasus* (Bonnaterre 1788). Lamnidae. Habitat: marine.

glaucus, *Squalus* Gunnerus [J. E.] 1768:1 [Skrifter, det Kongelige Norske Videnskabers Selskab v. 4; ref. 30280] Norway, Northeastern Atlantic. No types known. Objectively invalid, preoccupied by *Squalus glaucus* Linnaeus 1758. Not an independent species description, but a misidentification of *Squalus glaucus* (non Linnaeus 1758). Named '*Squalus glaucus*' in historical typesetting. •In the synonymy of *Lamna nasus*

(Bonnaterre 1788) -- (Compagno 2001:121 [ref. 26323], Castro 2011:284 [ref. 31457]). **Current status:** Synonym of *Lamna nasus* (Bonnaterre 1788). Lamnidae.

monensis, Squalus Shaw [G.] 1804:350 [General zoology or systematic natural history; ref. 4015] Beaumaris, Anglesea Island, England. No types known. Based on literature sources. •Synonym of *Lamna nasus* (Bonnaterre 1788) -- (Compagno 1984:248 [ref. 6474], Compagno 2001:121 [ref. 26323]). **Current status:** Synonym of *Lamna nasus* (Bonnaterre 1788). Lamnidae. Habitat: marine.

nasus, Squalus Bonnaterre [J. P.] (ex Pennant) 1788:10, Pl. 85 (fig. 350) [Tableau encyclopédique et méthodique des trois règnes de la nature... Ichthyologie; ref. 4940] Cornwall, England, northeastern Atlantic. No types known. Based on the 'Porbeagle' of Pennant 1769:92 [ref. 18527]. •Valid as *Lamna nasus* (Bonnaterre 1788) -- (Springer 1973:13 [ref. 7162], Quéro in Whitehead et al. 1984:87 [ref. 13675], Compagno 1984:248 [ref. 6474], Bass 1986:100 [ref. 5635], Menni 1986:434 [ref. 11487], Robins & Ray 1986:20 [ref. 23100], Scott & Scott 1988:20 [ref. 25518], Paxton et al. 1989:68 [ref. 12442], Pequeño 1989:13 [ref. 14125], Paulin et al. 1989:21 [ref. 24556], McAllister 1990:29 [ref. 14674], Nakaya in Amaoka et al. 1990:57 [ref. 16024], Springer 1990:88 [ref. 19319], Compagno 1990:82 [ref. 21678], Miller 1993:467 [ref. 21297], Last & Stevens 1994:165 [ref. 23873], Randall 1995:24 [ref. 22896], Santos et al. 1997:11 [ref. 23531], Arruda 1997:16 [ref. 24952], Lucifora & Menni 1998:87 [ref. 24056], Smith-Vaniz et al. 1999:121 [ref. 25013], Compagno 1999:478 [ref. 25589], Hutchins 2001:13 [ref. 25847], Compagno 2001:121 [ref. 26323], Soto 2001:65, 90 [ref. 26637], Bilecenoglu et al. 2002:10 [ref. 26753], Branstetter in Collette & Klein-MacPhee 2002:30 [ref. 26158], Compagno 2003:439 [ref. 26984], Gadig & Gomes in Menezes et al. 2003:25 [ref. 27192], Nelson et al. 2004:52 [ref. 27807], Duhamel et al. 2005:58 [ref. 32059], Hoese & Gates 2006:79 [ref. 28997], Fricke 2007:25 [ref. 30577], Fricke et al. 2007:12 [ref. 29533], White 2008:42 [ref. 30617], George 2009:34 [ref. 30539], Møller et al. 2010:16 [ref. 31169], Mecklenburg et al. 2011:115 [ref. 31212], Castro 2011:284 [ref. 31457], Mollen et al. 2012:32 [ref. 32005], Page et al. 2013:50 [ref. 32708], Wirtz et al. 2013:115 [ref. 32972] needs confirmation, Parin et al. 2014:20 [ref. 33547]). **Current status:** Valid as *Lamna nasus* (Bonnaterre 1788). Lamnidae. Distribution: Nearly worldwide in temperate seas (including Mediterranean Sea, Baltic Sea, North Sea). Habitat: marine.

pennanti, Squalus Walbaum [J. J.] 1792:517 [Petri Artedi sueci genera piscium Part 3; ref. 4572] Atlantic. No types known. •Synonym of *Lamna nasus* (Bonnaterre 1788) -- (Compagno 1984:248 [ref. 6474], Compagno 2001:121 [ref. 26323]). **Current status:** Synonym of *Lamna nasus* (Bonnaterre 1788). Lamnidae. Habitat: marine.

philippii, Lamna Pérez Canto [C.] 1886:1 [Anales de la Universidad de Chile Sec. 1, v. 69; ref. 18531] Chile. ?MHNV (possibly lost). See also Philippi 1887:549 [17 of separate], Pl. 3 (fig. 2) [ref. 3464]. •Synonym of *Lamna nasus* (Bonnaterre 1788) -- (Compagno 1984:248 [ref. 6474], Compagno 2001:122 [ref. 26323], Castro 2011:284 [ref. 31457]). **Current status:** Synonym of *Lamna nasus* (Bonnaterre 1788). Lamnidae. Habitat: marine.

punctata, Lamna Storer [D. H.] 1839:534 [185], Pl. 8 [Pl. 3] (fig. 2) [Boston Journal of Natural History v. 2 (nos 3-4) (art. 12); ref. 4278] On p. 185 and Pl. 2 (fig. 2) in separate publication. Not an original description but a new combination for and misidentification of *Squalus punctatus* Mitchill 1815. •In the synonymy of *Lamna nasus* (Bonnaterre 1788) -- (Compagno 1984:248 [ref. 6474], Compagno 2001:122 [ref. 26323], Castro 2011:284 [ref. 31457]). **Current status:** Synonym of *Lamna nasus* (Bonnaterre 1788). Lamnidae.

selanonus, Squalus Leach [W. E.] (ex Walker) 1818:64, Pl. 2 (fig. 2) [Memoirs of the Wernerian Natural History Society, Edinburgh v. 2; ref. 12565] Lochfyne and Zetland, Scotland. Syntypes: College of Edinburgh (1, dry) Lochfyne, (1, jaws) Zetland. •Synonym of *Lamna nasus* (Bonnaterre 1788) -- (Compagno 1984:248 [ref. 6474], Compagno 2001:122 [ref. 26323]). **Current status:** Synonym of *Lamna nasus* (Bonnaterre 1788). Lamnidae. Habitat: marine.

walkeri, Selanonus Fleming [J.] (ex Walker) 1828:169 [A history of British animals; ref. 1339] Argyleshire, Britain. Based on *Squalus selanoneus* of Walker 1769:155 (manuscript). •Synonym of *Lamna nasus* (Bonnaterre 1758) -- (Compagno 1984:248 [ref. 6474], Compagno 2001:122 [ref. 26323]). **Current status:** Synonym of *Lamna nasus* (Bonnaterre 1788). Lamnidae. Habitat: marine.

whitleyi, Lamna Phillipps [W. J.] 1935:239, Fig. 3 [New Zealand Journal of Zoology, J. Sci. Tech. v. 16 (no. 4); ref. 15671] Island Bay, Wellington, New Zealand. Syntypes: whereabouts unknown. •Synonym of *Lamna nasus* (Bonnaterre 1788) -- (Paxton et al. 1989:68 [ref. 12442], Last & Stevens 1994:166 [ref. 23873], Compagno 2001:122 [ref. 26323], Hoese & Gates 2006:79 [ref. 28997], Castro 2011:284 [ref. 31457]). **Current status:** Synonym of *Lamna nasus* (Bonnaterre 1788). Lamnidae. Habitat: marine.

MYLIOBATIFORMES

Myliobatidae

***Manta alfredi* (KREFFT, 1868)**

alfredi, *Deratoptera* Krefft [J. L. G.] 1868:3, 9, Fig. [The Illustrated Sydney News v. 5 (11 July 1868); ref. 5074] Watson's Bay, at entrance to Sydney Harbour, New South Wales, Australia. Holotype (unique): AMS I.1731(stuffed and painted over). Original description reproduced in Whitley 1936:176 [ref. 6075] and with correction of type locality. Spelling of the original genus should have been *Ceratoptera*, *Deratoptera* regarded as a typesetting error. Authorship has been attributed to Krefft (by Whitley 1936:176 and unquestioned), the then curator of the Museum; no author is given with the article. •Valid as *Manta alfredi*, but may be *Manta birostris* (Walbaum 1792) -- (Paxton et al. 1989:51 [ref. 12442], Compagno 1999:498 [ref. 25589]). •Synonym of *Manta birostris* (Donndorff 1798 [Walbaum 1792]) -- (Last & Stevens 1994:460 [ref. 23873], Allen et al. 2006:207 [ref. 29002]). •See Grove & Lavenberg 1997:130 [ref. 24023]. •Valid as *Manta alfredi* (Krefft 1868) -- (Marshall et al. 2009:13 [ref. 30599], Kitchen-Wheeler 2010:351 [ref. 30962], Fricke et al. 2011:348 [ref. 31242], Wirtz et al. 2013:116 [ref. 32972], Larson et al. 2013:22 [ref. 32988], Ebert et al. 2013:368 [ref. 33045]). **Current status:** Valid as *Manta alfredi* (Krefft 1868). Myliobatidae: Mobulinae. Distribution: Circumglobal in tropical through subtropical seas (including Red Sea and Hawaiian Islands). Habitat: marine.

fowleri, *Manta* Whitley [G. P.] 1936:182 [Australian Zoologist v. 8 (pt 3); ref. 6075] Tabuaeran [= Fanning Island], Line Islands, central Pacific. Holotype (unique): whereabouts unknown. Based on illustrations and a description of *Manta birostris* by Fowler 1927:3, Pl. 1 (figs. D-G) [ref. 15785]. •Synonym of *Manta alfredi* (Krefft 1868) -- (Marshall et al. 2009:13 [ref. 30599]). **Current status:** Synonym of *Manta alfredi* (Krefft 1868). Myliobatidae: Mobulinae. Habitat: marine.

pakoka, *Manta* Whitley [G. P.] 1936:183 [Australian Zoologist v. 8 (pt 3); ref. 6075] Near Hat Island (Teuaua), Ua Huka, Marquesas Islands. No types known. Based on a *Manta* with the Polynesian vernacular name *Pakoka* by Pinchot, "To the South Seas" 1930:406, 408, 421, fig. •Synonym of *Manta alfredi* (Krefft 1868) -- (Marshall et al. 2009:13 [ref. 30599]). **Current status:** Synonym of *Manta alfredi* (Krefft 1868). Myliobatidae: Mobulinae. Habitat: marine.

***Manta birostris* (WALBAUM, 1792)**

americana, *Manta* Bancroft [E. N.] 1829:454 [Zoological Journal, London v. 4 (no. 16) (art. 55); ref. 5051] American Seas. Apparently an alternate name for *Cephalopterus manta* Bancroft 1829 proposed in the same paper (p. 453). •Synonym of *Manta birostris* (Walbaum 1792). **Current status:** Synonym of *Manta birostris* (Walbaum 1792). Myliobatidae: Mobulinae. Habitat: marine.

birostris, *Raja* Walbaum [J. J.] 1792:535 [Petri Artedi sueci genera piscium Part 3; ref. 4572] No locality stated. No types known. Some authors (e.g., Whitley 1936:180 [ref. 6075]) date to Donndorff 1798:876 because they regarded Walbaum's treatment as non-binominal, but the style of this section suggests that the second word "birostris" was not italicized through an oversight (see index) and binominal nomenclature was intended. Earlier authors, such as Jordan & Evermann 1896:92 [ref. 2443] credited the name to Walbaum. See remarks under *Cephalopterus giorna* Lesueur 1824. •Valid as *Manta birostris* (Walbaum 1792) [sometimes with author as Donndorff 1790 or 1798] -- (Eschmeyer & Herald 1983:57 [ref. 9277], Nakaya in Masuda et al. 1984:16 [ref. 6441], Robins & Ray 1986:44 [ref. 23100], Allen & Swainston 1988:28 [ref. 25477], Scott & Scott 1988:59 [ref. 25518], Winterbottom et al. 1989:5 [ref. 13251], McEachran & Séret 1990:73 [ref. 19318], Nishida 1990:92 [ref. 19783], Randall et al. 1990:31 [ref. 15987], Boschung 1992:28 [ref. 23239], Cervigón 1992:201 [ref. 23827], Allen & Robertson 1994:37 [ref. 22193], Last & Stevens 1994:459 [ref. 23873], Randall 1995:49 [ref. 22896], Acero P. & Franke 1995:17 [ref. 22546], McEachran & Notarbartolo-di-Sciara in Fischer et al. 1995:764 [ref. 22829], Castro-Aguirre & Espinosa Pérez 1996:62 [ref. 22793], Murdy et al. 1997:49 [ref. 23144], Santos et al. 1997:16 [ref. 23531], Allen 1997:48 [ref. 23977], Grove & Lavenberg 1997:129 [ref. 24023], Arruda 1997:24 [ref. 24952], Randall et al. 1997:31 [ref. 25919], McEachran & Fechhelm 1998:194 [ref. 23897], Chirichigno F. & Vélez D. 1998:73 [ref. 24555], Myers 1999:40 [ref. 23965], Fricke 1999:33 [ref. 24106], Aguilera 1998:46 [ref. 24221], Cervigón & Alcalá 1999:206 [ref. 24490], Compagno & Last 1999:1527 [ref. 24637], Smith-Vaniz et al. 1999:124 [ref. 25013], Johnson 1999:718 [ref. 25471], Compagno 1999:498 [ref. 25589], Menni & Stehmann 2000:94 [ref. 24909], Nakabo 2000:186 [ref. 25086], Compagno in Randall & Lim 2000:583 [ref. 25122], Thomson et al. 2000:284 [ref. 25640], Randall & Earle 2000:5 [ref. 25806], Allen 2000:95 [ref. 25868], Iwatsuki et al. 2000:96 [ref. 26368], Schmitter-Soto et al. 2000:147 [ref. 27754], Hutchins 2001:16 [ref. 25847], McEachran in Collette & Klein-MacPhee 2002:80 [ref. 26158], Mecklenburg et al. 2002:108 [ref. 25968], Nakabo 2002:186 [ref. 26001], Allen & Adrim 2003:22 [ref. 26830] with author and date as Donndorf 1798, Gadig & Gomes in Menezes et al. 2003:31 [ref. 27192] with author and date as Donndorff 1798, McEachran & Carvalho 2003:588 [ref. 26985], Milesi & Oddone 2003:126 [ref. 27316] with author and date as Donndorf 1798, Manilo & Bogorodsky 2003:S94 [ref. 27377], Duffy & Abbott 2003:715 [ref. 27479], Myers & Donaldson 2003:610 [ref. 27495], Lobel & Lobel 2004:67 [ref. 27576], Randall et al. 2004:5 [ref. 27624], Bonfil & Abdallah 2004:55 [ref. 27735], Nelson et al. 2004:57 [ref. 27807], Heemstra & Heemstra 2004:88 [ref. 28072], Randall 2005:23 [ref. 28239], Mundy 2005:107 [ref. 28379], Compagno et al. 2005:80 [ref. 29145], Allen et al. 2006:207 [ref. 29002], Randall 2007:47 [ref. 30952], Fricke et al. 2009:12 [ref. 30213], Kimura 2009:16 [ref. 30426], Marshall et al. 2009:4 [ref. 30599], McCosker & Rosenblatt 2010:188 [ref. 30957], Kitchen-Wheeler 2010:351 [ref. 30962], Allen & Erdmann 2012:67 [ref. 31980], Page et al. 2013:57 [ref. 32708], Wirtz et al. 2013:116 [ref. 32972], Ebert et al.

2013:369 [ref. 33045], Smith-Vaniz & Jelks 2014:21 [ref. 33341] with remarks, Wirtz et al. 2014:2 [ref. 33516]). **Current status:** Valid as *Manta birostris* (Walbaum 1792). Myliobatidae: Mobulinae. Distribution: Circumglobal in tropical through warm temperate water (including Red Sea). Habitat: marine.

ehrenbergii, Ceratoptera Müller [J.] & Henle [F. G. J.] 1841:187 [Systematische Beschreibung der Plagiostomen; ref. 3069] Red Sea. Syntypes: ZMB 4708 (1), 22621 [ex Anat.-zool. Mus. 8731] (1) Type catalog: Paepke & Schmidt 1988:180 [ref. 21041]. •Valid as *Manta ehrenbergii* (Müller & Henle 1841) -- (Dor 1984:21 [ref. 29757], Goren & Dor 1994:6 [ref. 25356]). •Synonym of *Manta birostris* (Walbaum 1792) -- (Marshall et al. 2009:4 [ref. 30599]). **Current status:** Synonym of *Manta birostris* (Walbaum 1792). Myliobatidae: Mobulinae. Distribution: Red Sea endemic [if valid]. Habitat: marine.

elliotti, Diabolicthys Holmes [F. S.] 1856:45 (39?) [Proceedings of the Elliott Society of Natural History v. 1; ref. 2194] Charleston, South Carolina, U.S.A. No types known. •Synonym of *Manta birostris* (Walbaum 1792). **Current status:** Synonym of *Manta birostris* (Walbaum 1792). Myliobatidae: Mobulinae. Habitat: marine.

fimbriata, Raja Lacepède [B. G. E.] 1802:671, 677, Pl. 16 (fig. 3) [Histoire naturelle des poissons (Lacepède) v. 4; ref. 4929] North Atlantic. No types known. Type catalog: Séret & McEachran 1986:34 [ref. 9312]. Also appeared in Sonnini 1802:76, 299 [ref. 30461] with author as Lacepède. •Synonym of *Manta birostris* (Walbaum 1792). **Current status:** Synonym of *Manta birostris* (Walbaum 1792). Myliobatidae: Mobulinae. Habitat: marine.

giorna, Cephalopterus Lesueur [C. A.] 1824:115 [Journal of the Academy of Natural Sciences, Philadelphia v. 4 (pt 1); ref. 17520] Georgia, U.S.A. No types known. Not *Raja gonna* Lacepède 1803. Marshall et al. 2009:13 [ref. 30599] tentatively recognize a valid species distinct from (but occurring with) *birostris*; it occurs in the Atlantic. A neotype selection would be needed to fix the name of this species as *giorna* Lesueur 1824 if the species is shown to be distinct from *birostris*. •Synonym of *Manta birostris* (Walbaum 1792) -- (authors). •Treated as a synonym of *Manta* sp. cf. *birostris* (Walbaum 1792) -- (Marshall et al. 2009:22 [ref. 30599], also Smith-Vaniz & Jelks 2014:21 [ref. 33341]). **Current status:** Uncertain as *Manta birostris* (Walbaum 1792). Myliobatidae: Mobulinae. Distribution: Atlantic, including the Caribbean. Habitat: marine.

hamiltoni, Brachioptilon Hamilton [F.] & Newman [E.] in Newman 1849:2358 [The Zoologist: a Popular Miscellany of Natural History. v. 7 (for 1849); ref. 3169] Gulf of California, Mexico. No types known. Description based on account by Hamilton, Newman provided name; therefore we treat authorship as Hamilton & Newman. •May be a synonym of *Manta birostris* (Walbaum 1792) -- (Compagno 1999:498 [ref. 25589]). •See Chirichigno F. & Vélez D. 1998:73 [ref. 24555]. •Synonym of *Manta birostris* (Walbaum 1792) -- (Mecklenburg et al. 2002:108 [ref 25968], Marshall et al. 2009:4 [ref. 30599]). **Current status:** Synonym of *Manta birostris* (Walbaum 1792). Myliobatidae: Mobulinae. Habitat: marine.

johnii, Ceratoptera Müller [J.] & Henle [F. G. J.] 1841:186, [Pl. 59 (right)] [Systematische Beschreibung der Plagiostomen; ref. 3069] Jamaica. Holotype (unique): RUSM uncat. (whereabouts unknown). •Synonym of *Manta birostris* (Walbaum 1792). **Current status:** Synonym of *Manta birostris* (Walbaum 1792). Myliobatidae: Mobulinae. Habitat: marine.

manatia, Raja Bloch [M. E.] & Schneider [J. G.] (ex Lacepède) 1801:364 [M. E. Blochii, Systema Ichthyologiae; ref. 471] Tropical America. No types known. •Synonym of *Manta birostris* (Walbaum 1792). **Current status:** Synonym of *Manta birostris* (Walbaum 1792). Myliobatidae: Mobulinae. Habitat: marine.

manta, Cephalopterus Bancroft [E. N.] 1829:453 [Zoological Journal, London v. 4 (no. 16) (art. 55); ref. 5051] Kingston, Jamaica. No types known. •Synonym of *Manta birostris* (Walbaum 1792) -- (Allen et al. 2006:207 [ref. 29002]). **Current status:** Synonym of *Manta birostris* (Walbaum 1792). Myliobatidae: Mobulinae. Habitat: marine.

marinus, Raja diabolus Bloch [M. E.] & Schneider [J. G.] 1801:368 [M. E. Blochii, Systema Ichthyologiae; ref. 471] India. No types known. Not the same as *Raja diabolus* Shaw 1904. •Synonym of *Manta birostris* (Walbaum 1792). **Current status:** Synonym of *Manta birostris* (Walbaum 1792). Myliobatidae: Mobulinae. Habitat: marine.

orissa, Ceratoptera Lloyd [R. E.] 1908:176, Fig. 1, Pl. 5 (figs. 1-3) [Records of the Indian Museum (Calcutta) v. 2 (pt 2); ref. 14327] Puri, Bay of Bengal, Orissa coast, India. Holotype: ZSI F72968/1. Type catalog: Menon & Yazdani 1968:97 [ref. 20743]. •Synonym of *Manta birostris* -- (pers. comm., W. White, 11 April 2011). **Current status:** Synonym of *Manta birostris* (Walbaum 1792). Myliobatidae: Mobulinae. Habitat: marine.

raya, Manta Baer [G. A.] 1899:112 [Bulletin du Muséum National d'Histoire Naturelle (Série 1) v. 5 (no. 3); ref. 15635] Zorritos, about 40 kilometers south of Tombez, 4 kilometers from Grau, Peru. No types known. •Probably a synonym of *Manta birostris* (Walbaum 1792). **Current status:** Uncertain as *Manta birostris* (Walbaum 1792). Myliobatidae: Mobulinae. Habitat: marine.

stelligera, Cephaloptera Günther [A.] (ex Ehrenberg) 1870:498 [Catalogue of the fishes in the British Museum v. 8; ref. 1995] Red Sea. Syntypes: ZMB 4701 (1), 22621 [ex 8731] (1). Type catalog: Paepke & Schmidt 1988:179 [ref. 21041] with ZMB 47801 and 22621 as syntypes. In footnote as name on unpublished plate under *Ceratoptera ehrenergii*; later appeared in Hemprich & Ehrenberg 1899:7, Pl. 2 (figs. 1-9) and second pl. 10 [ref. 4977] but treated in synonymy by editor Hilgendorf so not available. •In the synonymy of *Manta ehrenbergii* (Müller & Henle 1841) -- (Dor 1984:21 [ref. 29757]). •In the synonymy of *Manta birostris* (Walbaum 1792). **Current status:** Synonym of *Manta birostris* (Walbaum 1792). Myliobatidae: Mobulinae.

vampyrus, Cephalopterus Mitchill [S. L.] 1824:23, Pl. 2 (fig. 1) [Annals of the Lyceum of Natural History of New York v. 1; ref. 17777]. Near entrance to Delaware Bay, U.S.A. No types known. •Synonym of *Manta birostris* (Walbaum 1792). **Current status:** Synonym of *Manta birostris* (Walbaum 1792). Myliobatidae: Mobulinae. Habitat: marine.

ORECTOLOBIFORMES

Rhincodontidae

Rhincodon typus SMITH, 1828

pentalineatus, Rhinodon Kishinouye [K.] 1901:694, Figs. 1-2 [Zoologischer Anzeiger v. 24 (no. 657/658); ref. 14762]. Cape Inubo, Japan. Holotype (unique): whereabouts unknown. Specimen originally in private collection of T. Oseko. •Synonym of *Rhincodon typus* Smith 1828 -- (Compagno 1984:210 [ref. 6474], Compagno 2001:203 [ref. 26323]). **Current status:** Synonym of *Rhincodon typus* Smith 1828. Rhincodontidae. Habitat: marine.

punctatus, Micristodus Gill [T. N.] 1865:177 [Proceedings of the Academy of Natural Sciences of Philadelphia v. 17; ref. 1711]. Gulf of California, Mexico. Holotype (unique): USNM 231756 (jaws, vertebrae not found). Type catalog: Howe & Springer 1993:12 [ref. 21812]. •Synonym of *Rhincodon typus* Smith 1828 -- (Compagno 1984:210 [ref. 6474], Goto 2001:82 [ref. 25912], Compagno 2001:203 [ref. 26323], Espinosa Pérez et al. 2004:26 [ref. 27705]). **Current status:** Synonym of *Rhincodon typus* Smith 1828. Rhincodontidae. Habitat: marine.

typicus, Rhinodon Müller [J.] & Henle [F. G. J.] 1839:77 [Systematische Beschreibung der Plagiostomen; ref. 3069]. Unjustified emendation of *Rhincodon typus* Smith 1828; see also *Rhinodon typicus* Smith 1845. •Synonym of *Rhincodon typus* Smith 1828 -- (Compagno 1984:210 [ref. 6474], Compagno 2001:203 [ref. 26323]). **Current status:** Synonym of *Rhincodon typus* Smith 1828. Rhincodontidae. Habitat: marine.

typicus, Rhinodon Smith [A.] 1845:no pagination, Pl. 26 [Illustrations of the zoology of South Africa v. 4; ref. 4035]. Cape of Good Hope, South Africa. Holotype (unique): Now MNHN [Muséum Jardin des Plantes, Paris]. Unjustified emendation of *Rhincodon typus* Smith 1828. •Synonym of *Rhincodon typus* Smith 1828. **Current status:** Synonym of *Rhincodon typus* Smith 1828. Rhincodontidae. Habitat: marine.

typus, Rhincodon Smith [A.] 1828:2 [South African Commercial Advertiser v. 3 (no. 145); ref. 12603]. Table Bay, South Africa, southeastern Atlantic. Holotype (unique): MNHN 0000-9855 (stuffed, mounted). Type catalog: Bertin 1939:67 [ref. 20739]. Also appeared as *Rhiniodon typus* in Smith 1829:443 [ref. 4976]. The genus *Rhincodon* was conserved over *Rhiniodon* (Opinion 1278). •Valid as *Rhiniodon typus* (Smith 1828) -- (Kukuev 1996:279 [ref. 24643], Mohsin & Ambak 1996:56 [ref. 27969]). •Valid as *Rhincodon typus* Smith 1828 -- (Eschmeyer & Herald 1983:25 [ref. 9277], Compagno 1984:210 [ref. 6474], Dor 1984:4 [ref. 29757], Nakaya & Shirai in Masuda et al. 1984:8 [ref. 6441], Wolfson 1986:208 [ref. 6150], Bass 1986:66 [ref. 19532], Robins & Ray 1986:21 [ref. 23100], Allen & Swainston 1988:20 [ref. 25477], Paxton et al. 1989:94 [ref. 12442], Pequeño 1989:12 [ref. 14125], Randall et al. 1990:15 [ref. 15987], Springer 1990:80 [ref. 19315], Boschung 1992:19 [ref. 23239], Cervigón 1992:183 [ref. 23827], Allen & Robertson 1994:19 [ref. 22193], Gomon et al. 1994:119 [ref. 22532], Last & Stevens 1994:142 [ref. 23873], Goren & Dor 1994:2 [ref. 25356], Compagno et al. in Fischer et al. 1995:710 [ref. 22829], Randall 1995:21 [ref. 22896], Allen 1997:40 [ref. 23977], Santos et al. 1997:7 [ref. 23531], Grove & Lavenberg 1997:53 [ref. 24023], Arruda 1997:15 [ref. 24952], Cheng & Zhou 1997:24 [ref. 26385] dated 1829, Randall et al. 1997:15 [ref. 25919], Compagno 1998:1263 [ref. 23785], McEachran & Feckhelm 1998:47 [ref. 23897], Chirichigno F. & Vélez D. 1998:34 [ref. 24555], Aguilera 1998:45 [ref. 24221], Myers 1999:32 [ref. 23965], Fricke 1999:13 [ref. 24106], Morón et al. 1999:144 [ref. 24253], Cervigón & Alcalá 1999:30 [ref. 24490], Smith-Vaniz et al. 1999:109 [ref. 25013], Compagno 1999:477 [ref. 25589], Musick et al. 2000:8 [ref. 24959], Nakabo 2000:121 [ref. 25086], Compagno in Randall & Lim 2000:578 [ref. 25122], Laboute & Grandperrin 2000:86 [ref. 25191], Hutchins 2001:14 [ref. 25847], Goto 2001:82 [ref. 25912], Compagno 2001:203 [ref. 26323], Soto 2001:63, 67 [ref. 26637], Nakabo 2002:121 [ref. 26001], Youn 2002:50, 470 [ref. 26218], Gadig & Gomes in Menezes et al. 2003:21 [ref. 27192], Compagno 2003:442 [ref. 26984], Manilo & Bogorodsky 2003:S91 [ref. 27377], Myers & Donaldson 2003:609 [ref. 27495], Lobel & Lobel 2004:67 [ref. 27576], Smith et al. 2003:5 [ref. 27621], Randall et al. 2004:5 [ref. 27624], Espinosa Pérez et al. 2004:26 [ref. 27705] dated 1829, Bonfil & Abdallah 2004:22 [ref. 27735], Nelson et al. 2004:51 [ref. 27807], Heemstra & Heemstra 2004:55 [ref. 28072], Mundy 2005:87 [ref. 28379], Randall et al. 2005:117 [ref. 28745], Compagno et al. 2005:23 [ref. 29145], Hoese & Gates 2006:130 [ref. 28997], Randall 2007:29 [ref. 30952], White 2008:51 [ref. 30617], Fricke et al. 2009:11 [ref. 30213], Kimura 2009:10 [ref. 30426], McCosker & Rosenblatt 2010:187 [ref. 30957], Motomura et al. 2010:68 [ref. 31256], Last et al. 2010:60 [ref. 32461], Fricke et al. 2011:344 [ref. 31242], de la Parra Venegas et al. 2011:1 [ref. 31281], Castro 2011:194 [ref. 31457], Moore et al. 2012:5 [ref. 31771], Allen & Erdmann 2012:53 [ref. 31980], Page et al. 2013:49 [ref. 32708], Wirtz et al. 2013:114 [ref. 32972], Larson et

al. 2013:15 [ref. 32988], Ebert et al. 2013:307 [ref. 33045], Wirtz et al. 2014:2 [ref. 33516]). **Current status:** Valid as *Rhincodon typus* Smith 1828. Rhincodontidae. Distribution: Cosmopolitan in tropical seas (including Red Sea, Ascension Island). Habitat: marine.

PRISTIFORMES

Pristidae

Anoxypristis cuspidata (LATHAM, 1794)

cuspidatus, Pristis Latham [J. F.] 1794:279, Pl. 26 (fig. 3) [The Transactions of the Linnean Society of London v. 2 (art. 25); ref. 2727] Malabar, India, Indian Ocean. Neotype: MNHN 0000-1250. Type catalog: Séret & McEachran 1986:9 [ref. 9312] with neotype established by reference to Dingerkus in press; neotype questioned by Kottelat 2013:23 [ref. 32989]. •Valid as *Pristis cuspidatus* Latham 1794 -- (Dor 1984:13 [ref. 29757] as *cuspidata*, Nakaya in Masuda et al. 1984:12 [ref. 6441], Allen & Swainston 1988:24 [ref. 25477], Mohsin & Ambak 1996:71 [ref. 27969], Morón et al. 1999:154 [ref. 24253]). •Valid as *Anoxypristis cuspidata* (Latham 1794) -- (Paxton et al. 1989:58 [ref. 12442], Talwar & Jhingran 1991:32 [ref. 20764], Last & Stevens 1994:361 [ref. 23873], Goren & Dor 1994:4 [ref. 25356], Randall 1995:39 [ref. 22896], Allen 1997:44 [ref. 23977], Compagno & Last 1999:1413 [ref. 24637], Vossoughi & Vosoughi 1999:302 [ref. 25467], Compagno 1999:484 [ref. 25589], Compagno in Randall & Lim 2000:581 [ref. 25122], Hutchins 2001:15 [ref. 25847], Carvalho & McEachran in Reis et al. 2003:17 [ref. 27061] but status uncertain, Manilo & Bogorodsky 2003:S93 [ref. 27377], Bonfil & Abdallah 2004:43 [ref. 27735], Compagno et al. 2005:57 [ref. 29145], Hoese & Gates 2006:170 [ref. 28997], Last et al. 2010:140 [ref. 32461], Duffy et al. 2011:65 [ref. 31668], Faria et al. 2012:2 [ref. 32356], Larson et al. 2013:15 [ref. 32988], Kottelat 2013:23 [ref. 32989], Ebert et al. 2013:345 [ref. 33045]). **Current status:** Valid as *Anoxypristis cuspidata* (Latham 1794). Pristidae. Distribution: Red Sea, Indo-West Pacific. Habitat: brackish, marine.

Pristis clavata Garman, 1906

clavata, Pristis Garman [S.] 1906:208 [Bulletin of the Museum of Comparative Zoology v. 46 (no. 11); ref. 1542] Queensland, Australia, Coral Sea, southwestern Pacific. Holotype (unique): MCZ 733-S. Type catalog: Hartel & Dingerkus 1997:xli [ref. 23119]. •Synonym of *Pristis pristis* (Linnaeus 1758) -- (Paxton et al. 1989:58 [ref. 12442]). •Mention -- (Stehmann 1990:54 [ref. 19316]). •Valid as *Pristis clavata* Garman 1906 -- (Last & Stevens 1994:362 [ref. 23873], Compagno & Last 1999:1414 [ref. 24637], Compagno 1999:484 [ref. 25589], Hutchins 2001:15 [ref. 25847], Morgan et al. 2004:151 [ref. 27718], Hoese & Gates 2006:171 [ref. 28997], Thorburn et al. 2007:36 [ref. 29328], Morgan et al. 2011:21 [ref. 31262], Duffy et al. 2011:65 [ref. 31668], Faria et al. 2012:2 [ref. 32356], Larson et al. 2013:16 [ref. 32988]). **Current status:** Valid as *Pristis clavata* Garman 1906. Pristidae. Distribution: Northern Australia. Habitat: brackish, marine.

Pristis microdon LATHAM, 1794

leichhardti, Pristiopsis Whitley [G. P.] 1945:44, Fig. 1 [Australian Zoologist v. 11 (pt 1); ref. 13156] Lynd River, northern Queensland, Australia. Holotype (unique): whereabouts unknown. Based on *Pristis* of Leichardt 1846, Journ. Roy. Geogr. Soc. London v. 16, p. 223. •Synonym of *Pristis pristis* (Linnaeus 1758) -- (Paxton et al. 1989:58 [ref. 12442]). •Synonym of *Pristis microdon* Latham 1794 -- (Last & Stevens 1994:365 [ref. 23873], Compagno & Last 1999:1415 [ref. 24637], with question). •Synonym of *Pristis clavata* Garman 1906 -- (Hoese & Gates 2006:171 [ref. 28997]). •Synonym of *Pristis microdon* Latham 1794 -- (Kottelat 2013:24 [ref. 32989]). **Current status:** Synonym of *Pristis microdon* Latham 1794. Pristidae. Habitat: brackish, marine.

microdon, Pristis Latham [J. F.] 1794:280, Pl. 26 (fig. 4) [The Transactions of the Linnean Society of London v. 2 (art. 25); ref. 2727] No locality stated. Holotype (unique): Museum Parkinson (whereabouts unknown). •Synonym of *Pristis pristis* (Linnaeus 1758) -- (Paxton et al. 1989:58 [ref. 12442], Séret in Lévêque et al. 1990:60 [ref. 21589], Kottelat et al. 1993:1 [ref. 23448]). •Valid as *Pristis microdon* Latham 1794 -- (Krefft & Stehmann 1973:51 [ref. 7167], Roberts 1978:26 [ref. 8886], Daget 1984:3 [ref. 6170], Compagno 1986:110 [ref. 5648], Allen & Swainston 1988:24 [ref. 25477], Stehmann 1990:51 [ref. 19316], Allen & Coates 1990:51 [ref. 25561], Allen 1991:36 [ref. 21090], Talwar & Jhingran 1991:34 [ref. 20764], Cervigón 1992:204 [ref. 23827], Allen et al. 1992:297 [ref. 21400], Skelton 1993:345 [ref. 24071], Last & Stevens 1994:364 [ref. 23873], Poll & Gosse 1995:24 [ref. 24781], Compagno 1995:110 [ref. 21955], Castro-Aguirre & Espinosa Pérez 1996:16 [ref. 22793], Rainboth 1996:52 [ref. 22772], Allen 1997:44 [ref. 23977], Tan & Lim 1998:427 [ref. 23648], Fricke 1999:28 [ref. 24106], Morón et al. 1999:153 [ref. 24253], Castro-Aguirre et al. 1999:55 [ref.

24550], Compagno & Last 1999:1415 [ref. 24637], Compagno 1999:484 [ref. 25589], Nakabo 2000:158 [ref. 25086], Compagno in Randall & Lim 2000:581 [ref. 25122], Rafique 2000:327 [ref. 25220], Kottelat 2001:25 [ref. 25780], Hutchins 2001:15 [ref. 25847], Skelton 2001:345 [ref. 27406], Allen et al. 2002:330 [ref. 25930], Nakabo 2002:158 [ref. 26001], Taniuchi et al. 2003:237 [ref. 27369], Morgan et al. 2004:151 [ref. 27718], Heemstra & Heemstra 2004:75 [ref. 28072], Compagno et al. 2005:58 [ref. 29145], Hoese & Gates 2006:171 [ref. 28997], Thorburn et al. 2007:27 [ref. 29328], Allen et al. 2008:25 [ref. 30265], Fricke et al. 2009:11 [ref. 30213], Last et al. 2010:142 [ref. 32461], Morgan et al. 2011:21 [ref. 31262], Duffy et al. 2011:65 [ref. 31668], Marshall 2011:269 [ref. 31755], Faria et al. 2012:2 [ref. 32356], Larson et al. 2013:16 [ref. 32988], Kottelat 2013:24 [ref. 32989]). **Current status:** Valid as *Pristis microdon* Latham 1794. Pristidae. Distribution: Indo-West Pacific. Habitat: freshwater, brackish, marine.

perotteti, *Pristis* Müller [J.] & Henle [F. G. J.] 1841:108, 192 [Systematische Beschreibung der Plagiostomen; ref. 3069] Senegal, West Africa, in fresh water. Holotype (unique): MNHN (1, 107 cm) not found. Non-type: MNHN A-9699 (1, mounted female). Type catalog: Bertin 1939:77-78 [ref. 20739] with A.9699 as paratype, but original description was based on "Ein exemplar", a dry male specimen. *Pristis perotteti* is a misspelling. Misspelled *Pristis perroteti* by Pellegrin 1921:635 [ref. 30437]. •Synonym of *Pristis pristis* (Linnaeus 1758) -- (Séret in Lévêque et al. 1990:60 [ref. 21589], Carvalho & McEachran in Reis et al. 2003:19 [ref. 27061]). •Synonym of *Pristis microdon* Latham 1794 -- (Krefft & Stehmann 1973:51 [ref. 7167], Daget 1984:3 [ref. 6170], Bussing 1987:60 [ref. 22927], Stehmann 1990:51 [ref. 19316], Castro-Aguirre & Espinosa Pérez 1996:16 [ref. 22793], Compagno & Last 1999:1415 [ref. 24637]). •Valid as *Pristis perotteti* Müller & Henle 1841 -- (Allen & Robertson 1994:31 [ref. 22193], Bussing & López S. 1994:24 [ref. 23101], Aguilera 1998:45 [ref. 24221] as *perotteti*, Chirichigno F. & Vélez D. 1998:62 [ref. 24555], Cervigón & Alcalá 1999:148 [ref. 24490], Castro-Aguirre et al. 1999:56 [ref. 24550], Compagno 1999:485 [ref. 25589], Menni & Stehmann 2000:75 [ref. 24909], Musick et al. 2000:9 [ref. 24959], Camargo & Isaac 2001:144 [ref. 27639] as *perotteti*, Faria et al. 2012:2 [ref. 32356], Kottelat 2013:152:00 PM24 [ref. 32989] with question). **Current status:** Valid as *Pristis microdon* Latham 1794. Pristidae. Distribution: Cosmopolitan. Habitat: freshwater, brackish, marine.

***Pristis pectinata* LATHUM, 1794**

acutirostris, *Pristis* Duméril [A. H. A.] 1865:479 [Histoire naturelle des poissons ou ichthyologie générale v. 1; ref. 1150] Antilles, western Atlantic. Holotype (unique): MNHN A-9476 (stuffed). Type catalog: Bertin 1939:78 [ref. 20739], Séret & McEachran 1986:9 [ref. 9312]. •Synonym of *Pristis pectinata* Latham 1794 -- (Carvalho & McEachran in Reis et al. 2003:18 [ref. 27061], Kottelat 2013:24 [ref. 32989]). **Current status:** Synonym of *Pristis pectinata* Latham 1794. Pristidae. Habitat: freshwater, brackish, marine.

annandalei, *Pristis* Chaudhuri [B. L.] 1908:391, Fig. [Records of the Indian Museum (Calcutta) v. 2 (pt 4); ref. 14317] Elephant Point, Myanmar coast, northeastern Indian Ocean. Holotype (unique): whereabouts unknown. •Synonym of *Pristis pectinata* Latham 1794 -- (Kottelat 2013:24 [ref. 32919]). **Current status:** Synonym of *Pristis pectinata* Latham 1794. Pristidae. Habitat: marine.

granulosa, *Pristis* Bloch [M. E.] & Schneider [J. G.] (ex Parra) 1801:352 [M. E. Blochii, Systema Ichthyologiae; ref. 471] Havana, Cuba, Gulf of Mexico, western Atlantic. No types known. Based on the 'Pez de Espada' of Parra 1787:75, Pl. 33 [ref. 6840]. •Synonym of *Pristis pectinata* Latham 1794 -- (Krefft & Stehmann 1973:52 [ref. 7167], Stehmann 1990:52 [ref. 19316], Carvalho & McEachran in Reis et al. 2003:18 [ref. 27061], Kottelat 2013:24 [ref. 32989]). **Current status:** Synonym of *Pristis pectinata* Latham 1794. Pristidae. Habitat: freshwater, brackish, marine.

megalodon, *Pristis* Duméril [A. H. A.] 1865:476, Pl. 9 (fig. 4) [Histoire naturelle des poissons ou ichthyologie générale v. 1; ref. 1150] No locality stated (is Cayenne, French Guiana). Holotype (unique): MNHN 0000-3483 (rostrum). Type catalog: Bertin 1939:78 [ref. 20739] as MNHN 3484, Séret & McEachran 1986:9 [ref. 9312]. •Synonym of *Pristis pectinata* Latham 1794 -- (Carvalho & McEachran in Reis et al. 2003:18 [ref. 27061], Kottelat 2013:24 [ref. 32989]). **Current status:** Synonym of *Pristis pectinata* Latham 1794. Pristidae. Habitat: freshwater, brackish, marine.

occa, *Pristobatus* Duméril [A. H. A.] 1865:479 [Histoire naturelle des poissons ou ichthyologie générale v. 1; ref. 1150] Unknown locality. Holotype (unique): whereabouts unknown. •Synonym of *Pristis pectinata* Latham 1794 -- (Carvalho & McEachran in Reis et al. 2003:18 [ref. 27061] with question, Kottelat 2013:24 [ref. 32989]). **Current status:** Synonym of *Pristis pectinata* Latham 1794. Pristidae. Habitat: freshwater, brackish, marine.

pectinatus, *Pristis* Latham [J. F.] 1794:278, Pl. 26 (fig. 2) [The Transactions of the Linnean Society of London v. 2 (art. 25); ref. 2727] Ocean. No types known. Based on multiple historical authors. •Valid as *Pristis pectinatus* Latham 1794 -- (Bussing & López S. 1994:24 [ref. 23101]). •Valid as *Pristis pectinata* Latham 1794 -- (Krefft & Stehmann 1973:51 [ref. 7167], Dor 1984:13 [ref. 29757], Stehmann & Bürkel in Whitehead et al. 1984:154 [ref. 13675], Compagno 1986:111 [ref. 5648], Robins & Ray 1986:35 [ref. 23100], Stehmann 1990:52 [ref. 19316], Talwar & Jhingran 1991:34 [ref. 20764], Boschung 1992:25 [ref. 23239], Cervigón 1992:205 [ref. 23827], Allen & Robertson 1994:31 [ref. 22193], Last & Stevens 1994:365 [ref. 23873], Poll & Gosse 1995:75 [ref. 24781], Goren & Dor 1994:4 [ref. 25356], Compagno 1995:111 [ref. 21955], Castro-

Aguirre & Espinosa Pérez 1996:15 [ref. 22793], Murdy et al. 1997:36 [ref. 23144], McEachran & Fechhelm 1998:136 [ref. 23897], Aguilera 1998:45 [ref. 24221], Chirichigno F. & Vélez D. 1998:62 [ref. 24555], Fricke 1999:28 [ref. 24106], Cervigón & Alcalá 1999:147 [ref. 24490], Castro-Aguirre et al. 1999:55 [ref. 24550], Compagno & Last 1999:1416 [ref. 24637], Smith-Vaniz et al. 1999:122 [ref. 25013], Compagno 1999:484 [ref. 25589], Compagno in Randall & Lim 2000:581 [ref. 25122], Menni & Stehmann 2000:75 [ref. 24909], Musick et al. 2000:9 [ref. 24959], Camargo & Isaac 2001:144 [ref. 27639], Bilecenoglu et al. 2002:173 [ref. 26753], Carvalho & McEachran in Reis et al. 2003:18 [ref. 27061], Gomes & Gadig in Menezes et al. 2003:27 [ref. 27192], McEachran & Carvalho 2003:526 [ref. 26985], Manilo & Bogorodsky 2003:S93 [ref. 27377], Bonfil & Abdallah 2004:43 [ref. 27735], Nelson et al. 2004:54 [ref. 27807], Heemstra & Heemstra 2004:76 [ref. 28072], Compagno et al. 2005:58 [ref. 29145], Miller 2006:80 [ref. 28615], Hoese & Gates 2006:171 [ref. 28997], Carvalho et al. 2007:151 [ref. 30012], Fricke et al. 2009:12 [ref. 30213], Matamoros et al. 2009:7 [ref. 31241], Faria et al. 2012:2 [ref. 32356], Page et al. 2013:54 [ref. 32708], Kottelat 2013:24 [ref. 32989], Angulo et al. 2013:989 [ref. 33194]. **Current status:** Valid as *Pristis pectinata* Latham 1794. Pristidae. Distribution: Circumglobal in tropical and warm temperate seas (including Mediterranean Sea). Habitat: freshwater, brackish, marine.

serra, *Pristis* Bloch [M. E.] & Schneider [J. G.] 1801:[351], Pl. 70 (upper fig.) [M. E. Blochii, *Systema Ichthyologiae*; ref. 471] As *Pristis pectinata* Latham, Pl. 70 (fig. 1) on p. 351; evidently the name *serra* on plate was not intended. •Synonym of *Pristis pectinata* Latham 1794 -- (Carvalho & McEachran in Reis et al. 2003:18 [ref. 27061] with question, Kottelat 2013:24 [ref. 32919]). **Current status:** Synonym of *Pristis pectinata* Latham 1794. Pristidae. Habitat: freshwater, brackish, marine.

woermanni, *Pristis* Fischer [J. G.] 1884:39 [Jahrbuch der Hamburgischen Wissenschaftlichen Anstalten v. 1; ref. 14381] Cameroon, West Africa. Holotype: ZMH 6278. Type catalog: Wilkens & Dohse 1993:410 [ref. 21161], Thiel et al. 2009:16 [ref. 30918]. Still researching. Carvalho & McEachran in Reis et al. 2003:18 [ref. 27061] place with question under two species as noted above. •Synonym of *Pristis pectinata* Latham 1794 -- (Carvalho & McEachran in Reis et al. 2003:18 [ref. 27061] with question), •Synonym of *Pristis pectinata* Latham 1794 -- (Carvalho & McEachran in Reis et al. 2003:18 [ref. 27061] with question, Kottelat 2013:24 [ref. 32919] with question). **Current status:** Synonym of *Pristis pectinata* Latham 1794. Pristidae. Habitat: freshwater, brackish, marine.

***Pristis pristis* (LINNAEUS, 1758)**

antiquorum, *Pristis* Latham [J. F.] 1794:277, Pl. 26 (fig. 1) [The Transactions of the Linnean Society of London v. 2 (art. 25); ref. 2727] [In oceano] no specific locality stated (localities include Marseille, France; Italy; Lesbos Island, Greece; Syria, Mediterranean Sea; Brazil, southwestern Atlantic). No types known. Unnecessary replacement name for *Squalus pristis* Linnaeus 1758. •Synonym of *Pristis pristis* (Linnaeus 1758) - (Krefft & Stehmann 1973:51 [ref. 7167], Stehmann 1990:53 [ref. 19316], Carvalho & McEachran in Reis et al. 2003:19 [ref. 27061]). **Current status:** Synonym of *Pristis pristis* (Linnaeus 1758). Pristidae. Habitat: freshwater, brackish, marine.

canaliculata, *Pristis* Bloch [M. E.] & Schneider [J. G.] 1801:351 [M. E. Blochii, *Systema Ichthyologiae*; ref. 471] No locality stated (localities include Marseille, France; Italy; Lesbos Island, Greece; Syria, Mediterranean Sea; Brazil, southwestern Atlantic). Based on Latham 1794, Pl. 26 (fig. 1), which is *Pristis antiquorum* Latham 1794. Unnecessary replacement name for *Squalus pristis* Linnaeus 1758. •Synonym of *Pristis pristis* (Linnaeus 1758) -- (Krefft & Stehmann 1973:51 [ref. 7167] as *caniculata*, Carvalho & McEachran in Reis et al. 2003:19 [ref. 27061]). **Current status:** Synonym of *Pristis pristis* (Linnaeus 1758). Pristidae. Habitat: freshwater, brackish, marine.

mississippiensis, *Pristis* Rafinesque [C. S.] 1820:86 [*Ichthyologia Ohiensis*; ref. 3592] Mississippi River, Lake Pontchartrain, Red River, Arkansas River, Mobile River, and Ohio River, U.S.A. See Markle 1997:440 [ref. 23370]. •Probably a synonym of *Pristis pristis* (Linnaeus 1758) -- (Carvalho & McEachran in Reis et al. 2003:19 [ref. 27061]). **Current status:** Uncertain as *Pristis pristis* (Linnaeus 1758). Pristidae. Habitat: freshwater, brackish, marine.

pristis, *Squalus* Linnaeus [C.] 1758:235 [*Systema Naturae*, Ed. X v. 1; ref. 2787] Mediterranean Sea, Indian Ocean, western Atlantic [original: "in Europa"]; localities include Marseille, France; Italy; Lesbos Island, Greece; Syria; Brazil. No types known. Lectotype or neotype fixation needed. Originally based on multiple species and at least 32 pre-Linnaean sources including Artedi 1738:66 [ref. 30578] and Artedi 1738:93 [ref. 30349] as *Squalus rostro longo cuspidato osseo plano utrinque dentato*; Rondelet 1554:487 [ref. 30354] as *Prist(is)*, L'Écluse & Belon 1605:135 [ref. 30583] as *Pristis sive serra*, Jonston 1649:217 [ref. 30579] as *Pust(is)*, Charleton 1668:168 [ref. 30580] as *Pristis, serra*, Willughby 1686:61 [ref. 30164] and Ray 1713:23 [ref. 30231] as *Pristis sive serra piscis*. •Valid as *Pristis pristis* (Linnaeus 1758) -- (Krefft & Stehmann 1973:51 [ref. 7167], Stehmann & Bürkel in Whitehead et al. 1984:154 [ref. 13675], Robins & Ray 1986:35 [ref. 23100], Paxton et al. 1989:58 [ref. 12442], Stehmann 1990:53 [ref. 19316], Séret in Lévêque et al. 1990:60 [ref. 21589], Boschung 1992:25 [ref. 23239], Kottelat et al. 1993:1 [ref. 23448], Poll & Gosse 1995:75 [ref. 24781], McEachran & Notarbartolo-di-Sciara in Fischer et al. 1995:772 [ref. 22829], McEachran & Fechhelm 1998:137 [ref. 23897], Bussing 1998:53 [ref. 24179], Chirichigno F. & Vélez D. 1998:62 [ref. 24555], Bilecenoglu et al. 2002:173 [ref. 26753], Carvalho & McEachran in Reis et al. 2003:19 [ref. 27061], Gomes & Gadig in Menezes et al. 2003:27 [ref. 27192], McEachran & Carvalho 2003:526 [ref. 26985], Nelson et al.

2004:54 [ref. 27807], Miller 2006:81 [ref. 28615], Carvalho et al. 2007:151 [ref. 30012], Faria et al. 2012:1 [ref. 32356], Page et al. 2013:54 [ref. 32708], Angulo et al. 2013:989 [ref. 33194]). **Current status:** Valid as *Pristis pristis* (Linnaeus 1758). *Pristidae*. Distribution: Circumglobal (including southwestern Mediterranean Sea [formerly] and Madeira [formerly]). Habitat: freshwater, brackish, marine.

typica, *Pristis* Poey [F.] 1861:360 [Memorias sobre la historia natural de la Isla de Cuba v. 2; ref. 3499] Unneeded replacement name for *Squalis pristis* Linnaeus 1758. •Objective synonym of *Pristis pristis* (Linnaeus 1758) -- (Carvalho & McEachran in Reis et al. 2003:19 [ref. 27061]). **Current status:** Synonym of *Pristis pristis* (Linnaeus 1758). *Pristidae*. Habitat: freshwater, brackish, marine.

zephyreus, *Pristis* Jordan [D. S.] & Starks [E. C.] in Jordan 1895:383 [Proceedings of the California Academy of Sciences (Series 2) v. 5; ref. 2394] Mouth of Río Presidio, Sinaloa, Mexico. Holotype (unique): CAS-SU 12670 (skin). •Synonym of *Pristis perotteti* Müller & Henle 1841 -- (Allen & Robertson 1994:31 [ref. 22193], Chirichigno F. & Vélez D. 1998:62 [ref. 24555]). •Synonym of *Pristis microdon* Latham 1794 -- (Castro-Aguirre & Espinosa Pérez 1996:16 [ref. 22793], Castro-Aguirre et al. 1999:56 [ref. 24550], Compagno & Last 1999:1415 [ref. 24637], with question). •Synonym of *Pristis pristis* (Linnaeus 1758) -- (Carvalho & McEachran in Reis et al. 2003:19 [ref. 27061]). **Current status:** Synonym of *Pristis pristis* (Linnaeus 1758). *Pristidae*. Habitat: freshwater, brackish, marine.

***Pristis zijsron* BLEEKER, 1851**

dubius, *Pristis* Bleeker [P.] 1852:56, Pl. 4 (fig. 11) [Verhandelingen van het Bataviaasch Genootschap van Kunsten en Wetenschappen. v. 24 (art. 12); ref. 333] No locality stated (is Indonesia). RMNH D7418. Bleeker specimens: MNHN 0000-1226 (1). Misspelled dubia on Pl. 4, as dubius elsewhere. For type information see van Oijen et al. 2007:37 [ref. 29153]. •Synonym of *Pristis zijsron* Bleeker 1851 -- (van Oijen et al. 2007:37, 44 [ref. 29153], Last et al. 2010:145 [ref. 32461], Kottelat 2013:24 [ref. 32989] as dubia). **Current status:** Synonym of *Pristis zijsron* Bleeker 1851. *Pristidae*. Habitat: freshwater, brackish, marine.

leptodon, *Pristis* Duméril [A. H. A.] 1865:480 [Histoire naturelle des poissons ou ichthyologie générale v. 1; ref. 1150] Red Sea. Syntypes: MNHN 0000-3485 (1, stuffed and mounted), 0000-3486 (1, skin). Type catalog: Bertin 1939:78 [ref. 20739], Séret & McEachran 1986:9 [ref. 9312]. •Synonym of *Pristis pectinata* Latham 1794 -- (Dor 1984:13 [ref. 29757]). •Synonym of *Pristis zijsron* Bleeker 1851 -- (Kottelat 2013:24 [ref. 32989]). **Current status:** Synonym of *Pristis zijsron* Bleeker 1851. *Pristidae*. Habitat: freshwater, brackish, marine.

zijsron, *Pristis* Bleeker [P.] 1851:442 [Natuurkundig Tijdschrift voor Nederlandsch Indië v. 2; ref. 16897] Bandjarmasin, Borneo, Indonesia. Holotype (unique): RMNH 7418 (saw only). •Valid as *Pristis zijsron* Bleeker 1851-- (Compagno 1986:111 [ref. 5648], Allen & Swainston 1988:24 [ref. 25477], Allen & Swainston 1988:24 [ref. 25477], Paxton et al. 1989:59 [ref. 12442], Last & Stevens 1994:366 [ref. 23873], Compagno 1995:111 [ref. 21955], Randall 1995:40 [ref. 22896], Allen 1997:44 [ref. 23977], Fricke 1999:28 [ref. 24106], Morón et al. 1999:154 [ref. 24253], Compagno & Last 1999:1417 [ref. 24637], Johnson 1999:718 [ref. 25471], Compagno in Randall & Lim 2000:581 [ref. 25122], Hutchins 2001:15 [ref. 25847], Manilo & Bogorodsky 2003:S93 [ref. 27377], Bonfil & Abdallah 2004:43 [ref. 27735], Heemstra & Heemstra 2004:76 [ref. 28072], Compagno et al. 2005:58 [ref. 29145], Hoese & Gates 2006:172 [ref. 28997], Last et al. 2010:144 [ref. 32461], Duffy et al. 2011:65 [ref. 31668], Faria et al. 2012:2 [ref. 32356], Larson et al. 2013:16 [ref. 32988], Kottelat 2013:24 [ref. 32989]). **Current status:** Valid as *Pristis zijsron* Bleeker 1851. *Pristidae*. Distribution: Indo-West Pacific: East Africa and Mauritius (Mascarenes) east to Philippines and New Guinea, north to South China Sea, south to New South Wales (Australia). Habitat: freshwater, brackish, marine.

ACTINOPTERI

ACIPENSERIFORMES

Acipenseridae

Acipenser baerii BRANDT, 1869

baerii, *Acipenser* Brandt [J. F.] 1869:115 [Mélanges biologiques v. 7; ref. 618] Ob and Lena river systems, Siberia, Russia. Syntypes: whereabouts unknown. For remarks on systematics see Kottelat 2006:15 [ref. 28831]. •Valid as *Acipenser baerii* Brandt 1869 -- (Berg 1948:86 [ref. 12882], Coad 1995:6 [ref. 23608], Artyukhin 1995:7 [ref. 23782], Zhu 1995:5 [ref. 25213] as *baeri*, Chereshevnev 1996:598 [ref. 24659] as *baeri*, Coad 1996:84 [ref. 25304] as *baeri*, Bemis et al. 1997:37 [ref. 22871], Sokolov 1997:47 [ref. 24690] as *baeri*, Reshetnikov et al. 1997:725 [ref. 24702], Birstein & Bemis 1997:158 [ref. 29760] with subspecies, Sokolov 1998:19 [ref. 23571], Dyer 2000:89 [ref. 26678] as *baeri*, Bogutskaya et al. 2001:42 [ref. 26178], Zhang 2001:36 [ref. 26586], Mecklenburg et al. 2002:115 [ref. 25968], López et al. 2003:7 [ref. 27366] as cf. *baerii*, Sideleva 2003:8 [ref. 27815] as *baerii* with subspecies, Hanel 2003:47 [ref. 27894], Menni 2004:71 [ref. 28131] as cf. *baerii*, Bogutskaya & Naseka 2004:22 [ref. 28183] with subspecies, Kottelat 2006:15 [ref. 28831], Ocock et al. 2006:26 [ref. 28933], Kottelat & Freyhof 2007:50 [ref. 29996], Mecklenburg et al. 2011:117 [ref. 31212], Ruban et al. 2011:471 [ref. 31229], Hilton et al. 2011:136 [ref. 31407], Dolgov 2013:915 [ref. 33112], Parin et al. 2014:40 [ref. 33547]. **Current status:** Valid as *Acipenser baerii* Brandt 1869. Acipenseridae. Distribution: Northeastern Asia; Arctic rivers of Europe and Siberia; introduced elsewhere. Habitat: freshwater, brackish.

baicalensis, *Acipenser stenorrhynchus* var. Nikolskii [A. M.] 1896:401 [Ezhegodnik. Zoologicheskogo Muzeya Imperatorskoj Akademii Nauk v. 1; ref. 14614] Lake Baikal, Siberia, Russia. Syntypes: MLSU 1631 (1), ZIN 10641 (2). •Synonym of *Acipenser baerii* Brandt 1869 -- (Berg 1948:86 [ref. 12882], Kottelat 2006:15 [ref. 28831]). •Synonym of *Acipenser baerii* Brandt 1869, but a valid subspecies *baicalensis* Nikolskii 1896 as described -- (Reshetnikov et al. 1997:726 [ref. 24702], Sokolov 1998:20 [ref. 23571], Sideleva 2001:45 [ref. 26181], Sideleva 2003:8 [ref. 27815], Ocock et al. 2006:26 [ref. 28933]). **Current status:** Synonym of *Acipenser baerii* Brandt 1869. Acipenseridae. Habitat: freshwater, brackish.

chatys, *Acipenser baeri* Dryagin [P. A.] 1948:532 [Zoologicheskii Zhurnal v. 27 (no. 6); ref. 13007] From Lena to Kolyma rivers, Sakha-Yakutia, northeastern Russia. Syntypes: (27). •Synonym of *Acipenser baerii* Brandt 1869 -- (Kottelat 2006:15 [ref. 28831]). •Synonym of *Acipenser baerii* Brandt 1869, but a valid subspecies as described -- (Sokolov 1998:20 [ref. 23571], Bogutskaya & Naseka 2004:23 [ref. 28183]). **Current status:** Synonym of *Acipenser baerii* Brandt 1869. Acipenseridae. Habitat: freshwater, brackish.

stenorrhynchus, *Acipenser* Nikolskii [A. M.] 1896:400 [Ezhegodnik. Zoologicheskogo Muzeya Imperatorskoj Akademii Nauk v. 1; ref. 14614] Large rivers of Siberia flowing to the Arctic. Syntypes: ZIN 10641 (2), 10885 (1), 10888 (1). ZISP 10641 also type of variety *baicalensis*. •Synonym of *Acipenser baerii* Brandt 1869 -- (Berg 1948:86 [ref. 12882], Kottelat 2006:15 [ref. 28831]). •Synonym of *Acipenser baerii* Brandt 1869, but a valid subspecies *stenorrhynchus* Nikolskii 1896 -- (Chereshevnev 1996:599 [ref. 24659] as *stenorrhynchus*, Chereshevnev et al. 2001:32 [ref. 26736] as *stenorrhynchus*, Reshetnikov 1997:725 [ref. 24702], Sokolov 1998:19 [ref. 23571], Bogutskaya & Naseka 2004:23 [ref. 28183], Ocock et al. 2006:26 [ref. 28933], Parin et al. 2014:40 [ref. 33547]). **Current status:** Synonym of *Acipenser baerii* Brandt 1869. Acipenseridae. Habitat: freshwater, brackish.

Acipenser brevirostrum LESUEUR, 1818

brevirostrum, *Acipenser* Lesueur [C. A.] 1818:390 [Transactions of the American Philosophical Society v. 1; ref. 17515] Delaware River, U.S.A. Holotype: ANSP 16953 (mounted specimen). Additional material: (1). Type catalog: Böhlke 1984:17 [ref. 13621]. As *Acipenser brevirostrum* in some early literature; but apparently treated as a noun in apposition by current workers. •Valid as *Acipenser brevirostrum* Lesueur 1818 -- (Lee et al. 1980:38 [ref. 22416], Smith 1986:44 [ref. 22186], Robins & Ray 1986:46 [ref. 23100], Scott & Scott 1988:65 [ref. 25518], McAllister 1990:40 [ref. 14674], Burkhead & Jenkins 1991:342 [ref. 21804], Page & Burr 1991:25 [ref. 18983], Musick et al. in Jenkins & Burkhead 1994:185 [ref. 21581], Artyukhin 1995:7 [ref. 23782], Bemis et al. 1997:37 [ref. 22871], Murdy et al. 1997:54 [ref. 23144], Birstein & Bemis 1997:159 [ref. 29760], Scott & Crossman 1998:80 [ref. 24570], Musick et al. 2000:10 [ref. 24959], Musick in Collette & Klein-MacPhee 2002:83 [ref. 26158], Scott 2003:671 [ref. 26987], Nelson et al. 2004:58 [ref. 27807], Scharpf 2005:6 [ref. 28940], Page & Burr 2011:134 [ref. 31215], Hilton et al. 2011:11 [ref. 31407], Page et al. 2013:58 [ref. 32708]). **Current status:** Valid as *Acipenser brevirostrum* Lesueur 1818. Acipenseridae.

Distribution: Atlantic Coast from New Brunswick, Canada to northern Florida, U.S.A. Habitat: freshwater, brackish, marine.

dekayi, *Acipenser (Huso)* Duméril [A. H. A.] 1870:168 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. 1147] New York, U.S.A. Holotype (unique): MCZ 8924. •Synonym of *Acipenser brevirostrum* Lesueur 1818 -- (Smith 1986:45 [ref. 22186], Hilton et al. 2011:11 [ref. 31407]). **Current status:** Synonym of *Acipenser brevirostrum* Lesueur 1818. Acipenseridae. Habitat: freshwater, brackish, marine.

lesueurii, *Acipenser (Huso)* Duméril [A. H. A.] (ex Valenciennes) 1870:166, Pl. 16 (figs. 1, 1a) [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. 1147] New York, U.S.A. Holotype (unique): MNHN 0000-3489. Type catalog: Bertin 1940:252 [ref. 293]. •Synonym of *Acipenser brevirostrum* Lesueur 1818 -- (Smith 1986:45 [ref. 22186], Hilton et al. 2011:11 [ref. 31407]). **Current status:** Synonym of *Acipenser brevirostrum* Lesueur 1818. Acipenseridae. Habitat: freshwater, brackish, marine.

measius, *Acipenser* Lesueur [C. A.] in Vaillant 1896:26 [12], Pl. 17 (unedited) [Bulletin de la Société philomathique de Paris (8th Série) v. 8 (no. 1); ref. 13482] No locality. On p. 12 of separate. •Synonym of *Acipenser brevirostrum* Lesueur 1818 -- (Hilton et al. 2011:11 [ref. 31407]). **Current status:** Synonym of *Acipenser brevirostrum* Lesueur 1818. Acipenseridae.

microrhynchus, *Acipenser (Huso)* Duméril [A. H. A.] 1870:164 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. 1147] Port of New York, New York, U.S.A. Holotype (unique): MCZ (whereabouts unknown). •Synonym of *Acipenser brevirostrum* Lesueur 1818 -- (Smith 1986:45 [ref. 22186], Hilton et al. 2011:11 [ref. 31407]). **Current status:** Synonym of *Acipenser brevirostrum* Lesueur 1818. Acipenseridae. Habitat: freshwater, brackish, marine.

rostellum, *Acipenser (Huso)* Duméril [A. H. A.] 1870:173, Pl. 16 (figs. 3, 3a) [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. 1147] Probably New York, U.S.A. Holotype (unique): MNHN 0000-3490. Type catalog: Bertin 1940:252 [ref. 293]. •Synonym of *Acipenser brevirostrum* Lesueur 1818 -- (Smith 1986:45 [ref. 22186], Hilton et al. 2011:11 [ref. 31407]). **Current status:** Synonym of *Acipenser brevirostrum* Lesueur 1818. Acipenseridae. Habitat: freshwater, brackish, marine.

simus, *Acipenser (Huso)* Duméril [A. H. A.] (ex Valenciennes) 1870:175, Pl. 16 (figs. 2, 2a) [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. 1147] North America. Holotype (unique): MNHN 0000-3491. Type catalog: Bertin 1940:252 [ref. 293]. •Synonym of *Acipenser brevirostrum* Lesueur 1818 -- (Smith 1986:45 [ref. 22186], Hilton et al. 2011:11 [ref. 31407] as Valenciennes in Duméril). **Current status:** Synonym of *Acipenser brevirostrum* Lesueur 1818. Acipenseridae. Habitat: freshwater, brackish, marine.

***Acipenser colchicus* MARTI, 1940**

NC comment: not valid under CITES, regarded as synonym of *Acipenser gueldenstaedtii*.

colchica, *Acipenser gueldenstadti* var. Marti [V. J.] 1940:869 [Zoologicheskii Zhurnal v. 19 (no. 6); ref. 17607] Southeastern part of Black Sea near mouth of Rioni and Inguri rivers, Georgia, Eurasia. Syntypes: (many). •Synonym of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833, but a valid subspecies -- (Berg 1948:84 [ref. 12882], Svetovidov 1973:82 [ref. 7169], Lelek 1987:25 [ref. 22962], Ninua & Japoshvili 2008:164 [ref. 31251]). •Synonym of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833 -- (Kottelat 1997:30 [ref. 22952], see also Sokolov 1998:21 [ref. 23571]). •Synonym of *Acipenser persicus* Borodin 1897, but a valid subspecies -- (Reshetnikov et al. 1997:725 [ref. 24702]). •Synonym of *Acipenser persicus* Borodin 1897 -- (Bogutskaya & Naseka 2004:24 [ref. 28183]). •Valid as *Acipenser colchicus* Marti 1940 -- (Kottelat & Freyhof 2007:50 [ref. 29996]). **Current status:** Valid as *Acipenser colchicus* Marti 1940. Acipenseridae. Distribution: Southeastern Black Sea basin and lower Danube River. Habitat: freshwater.

***Acipenser dabryanus* DUMÉRIL, 1869**

dabryanus, *Acipenser* Duméril [A. H. A.] 1869:98, Pl. 22 (figs. 1, 1a-b) [Nouvelles Archives du Muséum d'Histoire Naturelle, Paris v. 4; ref. 14095] Chang Jiang [Yangtze River], China. Holotype (unique): MNHN 0000-5105. Type catalog: Bertin 1940:249-250 [ref. 293]. Also appeared in Duméril 1870:193 [ref. 1147]. •Valid as *Acipenser dabryanus* Duméril 1869 -- (Ding 1994:29 [ref. 21531], Artyukhin 1995:7 [ref. 23782], Zhu 1995:6 [ref. 25213], Bemis et al. 1997:37 [ref. 22871], Kim 1997:141 [ref. 24032], Birstein & Bemis 1997:158 [ref. 29760], Chen in Chen 1998:36 [ref. 23556], Yue & Chen 1998:9 [ref. 26415], Zhang 2001:30 [ref. 26586] dated 1868, Kim & Park 2002:38 [ref. 25913], Youn 2002:136, 487 [ref. 26218], Hilton et al. 2011:136 [ref. 31407]). **Current status:** Valid as *Acipenser dabryanus* Duméril 1869. Acipenseridae. Distribution: Yangtze River basin, China and Korea. Habitat: freshwater.

***Acipenser fulvescens* RAFINESQUE, 1817**

anasimos, *Acipenser (Huso)* Duméril [A. H. A.] 1870:122 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. 1147] St. Louis, Missouri, U.S.A. Holotype (unique): MCZ (whereabouts unknown).

•Synonym of *Acipenser fulvescens* Rafinesque 1817. **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

anthracinus, *Acipenser (Huso)* Duméril [A. H. A.] 1870:126, Pl. 15 (figs. 4, 4a-b) [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. 1147] Lake Erie, North America. Syntypes: MNHN 0000-9096 (1, dry), 0000-9112 (1, dry). Type catalog: Bertin 1940:251 [ref. 293]. •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (Scott & Crossman 1998:89 [ref. 24570] as *athracinus*). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

atelaspis, *Acipenser (Huso)* Duméril [A. H. A.] 1870:141 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. 1147] Saskatchewan River, Canada. Holotype (unique): MCZ (whereabouts unknown). •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (Scott & Crossman 1998:89 [ref. 24570]). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

buffalo, *Acipenser (Antaceus)* Duméril [A. H. A.] 1867:175, Pl. 14 (figs. 1, 1a-b) [Nouvelles Archives du Muséum d'Histoire Naturelle, Paris v. 3; ref. 14072] Lake Erie, Buffalo, New York, U.S.A. Holotype (unique): MCZ (whereabouts unknown). Also appeared in Duméril 1870:231, pl. 19 (fig. 1) [ref. 1147]. •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (Smith 1986:47 [ref. 22186], Scott & Crossman 1998:89 [ref. 24570]). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

carbonarius, *Acipenser* Agassiz [L.] 1850:271, Pl. 5 (figs. 1-3) [Lake Superior; ref. 66] Michipicotin, on northeastern shore of Lake Superior, North America. Holotype (unique): whereabouts unknown. •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (Scott & Crossman 1998:89 [ref. 24570]). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

cataphractus, *Acipenser* Gray [J. E.] (ex Rapp) 1835:122 [Proceedings of the Zoological Society of London 1834 (pt 2); ref. 18155] Mississippi River, U.S.A. Possible holotype: BMNH 2004.12.8.3. The diagnosis was quoted from a manuscript by Rapp but the description was by Gray; authorship herein regarded as Gray (ex Rapp). •Synonym of *Acipenser fulvescens* Rafinesque 1817. **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

cincinnati, *Acipenser (Antaceus)* Duméril [A. H. A.] 1867:174, Pl. 14 (figs. 2, 2a-b) [Nouvelles Archives du Muséum d'Histoire Naturelle, Paris v. 3; ref. 14072] Cincinnati, Ohio, U.S.A. Holotype (unique): MCZ (whereabouts unknown). Also appeared in Duméril 1870:229 [ref. 1147]. •Synonym of *Acipenser fulvescens* Rafinesque 1817. **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

copei, *Acipenser (Huso)* Duméril [A. H. A.] 1870:108 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. 1147] Upper Missouri River (?), U.S.A. Holotype (unique): MCZ 100696 [tracking no.] (not found). •Synonym of *Acipenser fulvescens* Rafinesque 1817. **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

fulvescens, *Accipenser* Rafinesque [C. S.] 1817:288 [American Monthly Magazine and Critical Review v. 1; ref. 19654] Lake Erie, North America. No types known. Original genus should have been *Acipenser*. The two subspecies names, *acutirostris* and *obtusirostris*, attributed to Roussow 1955:79 [ref. 26406] in Scott & Crossman 1998:89 [ref. 24570] were only mentioned as forms of *Acipenser ruthenus* Linnaeus 1758 (not of *A. fulvescens*) and are not available names. •Valid as *Acipenser fulvescens* Rafinesque 1817 -- (Lee et al. 1980:39 [ref. 22416], Smith 1986:45 [ref. 22186], Robison & Buchanan 1988:78 [ref. 23393], McAllister 1990:40 [ref. 14674], Tomelleri & Eberle 1990:11 [ref. 24089], Page & Burr 1991:26 [ref. 18983], Boschung 1992:28 [ref. 23239], Etnier & Starnes 1993:99 [ref. 22809], Artyukhin 1995:7 [ref. 23782], Chereshev 1996:599 [ref. 24659], Stauffer et al. 1995:30 [ref. 23376], Cross & Collins 1995:21 [ref. 23394], Mettee et al. 1996:77 [ref. 25836], Bemis et al. 1997:37 [ref. 22871], Birstein & Bemis 1997:159 [ref. 29760], Scott & Crossman 1998:82 [ref. 24570], Fuller et al. 1999:22 [ref. 25838], Lyons et al. 2000:20 [ref. 26594], Ross et al. 2001:71 [ref. 25978], Nelson et al. 2004:58 [ref. 27807], Bailey et al. 2004:61 [ref. 27882], Boschung & Mayden 2004:102 [ref. 27995], Scharpf 2005:6 [ref. 28940], Page & Burr 2011:135 [ref. 31215], Hilton et al. 2011:136 [ref. 31407], Page et al. 2013:58 [ref. 32708]). **Current status:** Valid as *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Distribution: North America: Canada and east-central U.S.A. Habitat: freshwater, brackish.

honneymani, *Acipenser (Huso)* Duméril [A. H. A.] 1870:177 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. 1147] Nouvelle-Ecosse, Canada. Holotype (unique): MNHN 0000-4843. Type catalog: Bertin 1940:252 [ref. 293]. •Synonym of *Acipenser fulvescens* Rafinesque 1817. **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

kirtlandii, *Acipenser (Huso)* Duméril [A. H. A.] 1870:161 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. 1147] Lake Erie, North America. Holotype (unique): MNHN 0000-3109 (mounted). Type catalog: Bertin 1940:252 [ref. 293]. •Synonym of *Acipenser rubicundus* Lesueur 1818 -- (authors). •Synonym

of *Acipenser fulvescens* Rafinesque 1817 -- (Scott & Crossman 1998:89 [ref. 24570]). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

laevis, *Acipenser* Agassiz [L.] 1850:267 [Lake Superior; ref. 66] The Pic, Lake Superior, North America. No types known. •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (Scott & Crossman 1998:89 [ref. 24570]). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

lamarii, *Acipenser (Huso)* Duméril [A. H. A.] 1870:139 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. 1147] Upper Mississippi River or Lake Erie, U.S.A. Holotype (unique): MNHN 0000-9115 (dry). Type catalog: Bertin 1940:251 [ref. 293]. •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (Scott & Crossman 1998:89 [ref. 24570]). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

liopeltis, *Acipenser* Günther [A.] 1870:341 [Catalogue of the fishes in the British Museum v. 8; ref. 1995] Mississippi, U.S.A. Holotype (unique): BMNH. •Synonym of *Acipenser fulvescens* Rafinesque 1817. **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

macrostomus, *Accipenser* Rafinesque [C. S.] 1820:249 [Western Revue and Miscellaneous Magazine: a monthly publ., devoted to literature and science, Lexington, KY v. 3 (no. 4); ref. 5088] Lower parts of the Ohio River, U.S.A. No types known. Described as belonging to subgenus *Sterletus*, but listed as above. Also in Rafinesque 1820:81 [ref. 3592]. Correct spelling of genus is *Acipenser*. •Synonym of *Acipenser fulvescens* Rafinesque 1817. **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

maculosus, *Acipenser* Lesueur [C. A.] 1818:393 [Transactions of the American Philosophical Society v. 1; ref. 17515] Ohio River, U.S.A. Syntypes: ANSP (2). •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (Boschung & Mayden 2004:102 [ref. 27995]). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

megalaspis, *Acipenser (Huso)* Duméril [A. H. A.] 1870:135 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. 1147] Lake Champlain at Burlington, Vermont, U.S.A. Holotype (unique) (?): MCZ 8953. This name was misspelled as *megalepis* in earlier versions of the Catalog of Fishes. •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (Smith 1986:47 [ref. 22186], Scott & Crossman 1998:89 [ref. 24570]). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

nertinianus, *Acipenser (Huso)* Duméril [A. H. A.] 1870:162 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. 1147] Homer, Michigan, U.S.A. Holotype (unique): MCZ 24032. •Synonym of *Acipenser fulvescens* Rafinesque 1817. **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

ohiensis, *Accipenser* Rafinesque [C. S.] 1820:248 [Western Revue and Miscellaneous Magazine: a monthly publ., devoted to literature and science, Lexington, KY v. 3 (no. 4); ref. 5088] Ohio River, U.S.A. Described as belonging to subgenus *Sterletus*, but listed as above. Also in Rafinesque 1820:81 [ref. 3592]. Correct spelling of genus is *Acipenser*. •Synonym of *Acipenser fulvescens* Rafinesque 1817. **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

paranasimos, *Acipenser (Huso)* Duméril [A. H. A.] 1870:124 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. 1147] Huntsville, Alabama, U.S.A. Holotype (unique): MCZ 8948. •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (Boschung & Mayden 2004:102 [ref. 27995]). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

platyrhinus, *Acipenser (Huso)* Duméril [A. H. A.] 1870:154 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. 1147] Upper Mississippi River or Lake Erie, U.S.A. Holotype (unique): MNHN 0000-5007 (mounted). Type catalog: Bertin 1940:251 [ref. 293]. •Synonym of *Acipenser rubicundus* Lesueur 1818 -- (authors). •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (authors). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

rafinesquii, *Acipenser (Huso)* Duméril [A. H. A.] 1870:143 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. 1147] Ohio River, U.S.A. Holotype (unique): MCZ 8950. •Synonym of *Acipenser fulvescens* Rafinesque 1817. **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

rauchii, *Acipenser (Huso)* Duméril [A. H. A.] 1870:118 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. 1147] Osage River, Missouri, U.S.A. Holotype (unique): MCZ 8946. •Synonym of *Acipenser fulvescens* Rafinesque 1817. **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

rhynchaus, *Acipenser* Agassiz [L.] 1850:276 [Lake Superior; ref. 66] Sault Sainte Marie, Lake Superior, North America. Syntypes: whereabouts unknown. •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (Scott & Crossman 1998:89 [ref. 24570]). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

richardsonii, *Acipenser (Huso)* Duméril [A. H. A.] 1870:120 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. 1147] Upper Mississippi River, U.S.A. Holotype (unique): MNHN 0000-9113 (dry). Type catalog: Bertin 1940:250 [ref. 293]. •Synonym of *Acipenser rubicundus* Lesueur 1818 -- (authors). •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (authors). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

rosarium, *Acipenser (Huso)* Duméril [A. H. A.] 1870:152, Pl. 17 (figs. 2, 2a) [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. 1147] Upper Mississippi River or Lake Erie, U.S.A. Holotype (unique): MNHN 0000-5009 (dry). Type catalog: Bertin 1940:251 [ref. 293]. •Synonym of *Acipenser rubicundus* Lesueur 1818 -- (authors). •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (Scott & Crossman 1998:89 [ref. 24570]). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

rubicundus, *Acipenser* Lesueur [C. A.] 1818:388, Pl. 12 [Transactions of the American Philosophical Society v. 1; ref. 17515] Lakes Ontario, Erie, Huron and Michigan, North America. No types known. Redescribed and illustrated by Lesueur 1827:9, Pl. 5 [ref. 17524] with genus as *Accipenser*. •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (Smith 1986:47 [ref. 22186], Scott & Crossman 1998:89 [ref. 24570], Boschung & Mayden 2004:102 [ref. 27995]). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

rupertianus, *Acipenser* Richardson [J.] 1837:311, Pl. 97 (fig. 1) [Fauna Boreali-Americana Part 3; ref. 3731] Albany River, Prince Rupert's Land, Canada. Syntypes: (2) whereabouts unknown •Synonym of *Acipenser fulvescens* Rafinesque 1817 -- (Scott & Crossman 1998:89 [ref. 24570]). **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

serotimus, *Acipenser* Rafinesque [C. S.] 1820:248 [Western Revue and Miscellaneous Magazine: a monthly publ., devoted to literature and science, Lexington, KY v. 3 (no. 4); ref. 5088] Ohio and Kentucky rivers, U.S.A. Described as belonging to subgenus *Sterletus*, but listed as above. Also in Rafinesque 1820:80 [ref. 3592]. Correct spelling of genus is *Acipenser*. •Synonym of *Acipenser fulvescens* Rafinesque 1817. **Current status:** Synonym of *Acipenser fulvescens* Rafinesque 1817. Acipenseridae. Habitat: freshwater, brackish.

***Acipenser gueldenstaedtii* BRANDT & RATZEBURG, 1833**

aculeatus, *Acipenser* Lovetsky [A.] (ex Fischer) 1834:262, Pl. 19 (fig. 2) [Nouveaux mémoires de la Société impériale des naturalistes de Moscou v. 3; ref. 18085] Dnjepr River in Jekaterinoslaw/Yekaterinoslav Province, Russia. [Original as "Fluvius Borysthenes. Sed uti videtur, locis restrictis Gubern. Catherinoslawl."] •Synonym of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833 -- (Kottelat 1997:30 [ref. 22952]). **Current status:** Synonym of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833. Acipenseridae. Habitat: freshwater, brackish, marine.

gueldenstaedtii, *Acipenser* Brandt [J. F.] & Ratzeburg [J. T. C.] 1833:13, Pl. 3 (figs. 2, 2A-E) [Medizinische Zoologie v. 2; ref. 619] Caspian Sea and tributaries; Black Sea. No types known. Originally as *güldenstädtii*. •Valid as *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833 -- (Berg 1948:78 [ref. 12882], Svetovidov 1973:82 [ref. 7169], Svetovidov in Whitehead et al. 1984:221 [ref. 13675] as *gueldenstaedti*, Lelek 1987:46 [ref. 22962], Coad 1995:6 [ref. 23608] as *gueldenstaedti*, Artyukhin 1995:7 [ref. 23782], Sokolov & Tsepkin 1996:18 [ref. 24640] as *gueldenstaedti*, Bemis et al. 1997:37 [ref. 22871], Kottelat 1997:30 [ref. 22952], Reshetnikov et al. 1997:725 [ref. 24702], Birstein & Bemis 1997:158 [ref. 29760] with Brandt as author, Sokolov 1998:20 [ref. 23571], Coad 1998:102 [ref. 23869], Pourkazemi et al. 2000:1 [ref. 25536], Bogutskaya et al. 2001:42 [ref. 26178], Bilecenoglu et al. 2002:28 [ref. 26753], Hanel 2003:46 [ref. 27894], Bogutskaya & Naseka 2004:23 [ref. 28183], Vassilev & Pehlivanov 2005:162 [ref. 28369] as *gueldenstaedti* with Brandt as author, Kottelat & Freyhof 2007:51 [ref. 29996], Vasil'eva 2007:37 [ref. 30517], Ninua & Japoshvili 2008:164 [ref. 31251], Esmaeili et al. 2010:365 [ref. 33391], Ruban et al. 2011:470 [ref. 31229], Hilton et al. 2011:136 [ref. 31407], Parin et al. 2014:41 [ref. 33547]). **Current status:** Valid as *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833. Acipenseridae. Distribution: Eastern Atlantic, Europe and Middle East: Basins of Black, Azov and Caspian seas and Sea of Marmara and adjacent watersheds. Habitat: freshwater, brackish, marine.

pygmaeus, *Acipenser* Reisinger [J.] 1830:93 [Specimen ichthyologiae sistens pisces aquarium dulcium Hungariae; ref. 18620] Objectively invalid; preoccupied by *Acipenser pygmaeus* Pallas 1814. •Synonym of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833 -- (Kottelat 1997:30 [ref. 22952]). **Current status:** Synonym of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833. Acipenseridae. Habitat: freshwater, brackish, marine.

tanaica, *Acipenser gueldenstaedti* var. Marti [V. J.] 1940:863 [Zoologicheskii Zhurnal v. 19 (no. 6); ref. 17607] Taganrog Bay, Sea of Azov, Russia. Syntypes: (many). Bogutskaya & Naseka 2004:23 [ref. 28183] date *tanaica* to Movchan 1927 as a natio (needs research). •Synonym of *Acipenser gueldenstaedti* Brandt & Ratzeburg 1833, subspecies *cochicus* Marti 1940 -- (Berg 1948:84 [ref. 12882], Svetovidov 1973:83 [ref. 7169]). •Synonym of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833 -- (Kottelat 1997:30 [ref. 22952], Bogutskaya & Naseka 2004:23 [ref. 28183]). **Current status:** Synonym of *Acipenser gueldenstaedtii* Brandt & Ratzeburg 1833. Acipenseridae. Habitat: freshwater, brackish, marine.

***Acipenser medirostris* AYRES, 1854**

acutirostris*, *Acipenser Ayres [W. O.] 1854:2 [The Pacific [newspaper] v. 3 and 4 (thru no. 6); ref. 157] San Francisco, California, U.S.A. No types known. Appeared first as above on 1 Dec.; then in Ayres 1854:15 [ref. 18923]. •Valid as *Acipenser acutirostris* Ayres 1854 -- (Okada 1961:282 [ref. 6363]). •Synonym of *Acipenser medirostris* Ayres 1854 -- (Mecklenburg et al. 2002:114 [ref 25968]). **Current status:** Synonym of *Acipenser medirostris* Ayres 1854. Acipenseridae. Habitat: freshwater, brackish, marine.

agassizii*, *Acipenser (Antaceus) Duméril [A. H. A.] 1867:181, Pl. 11 (figs. 2, 2a-b) [Nouvelles Archives du Muséum d'Histoire Naturelle, Paris v. 3; ref. 14072] San Francisco, California, U.S.A. Holotype (unique): MCZ (whereabouts unknown). Also appeared in Duméril 1870:237, Pl. 18 (figs. 3, 3a-b) [ref. 1147]. •Synonym of *Acipenser acutirostris* Ayres 1854 -- (Okada 1961:282 [ref. 6363]). •Synonym of *Acipenser medirostris* Ayres 1854 -- (authors). **Current status:** Synonym of *Acipenser medirostris* Ayres 1854. Acipenseridae. Habitat: freshwater, brackish, marine.

alexandri*, *Acipenser (Antaceus) Duméril [A. H. A.] 1867:183, Pl. 15 (figs. 1, 1a-b) [Nouvelles Archives du Muséum d'Histoire Naturelle, Paris v. 3; ref. 14072] San Francisco, California, U.S.A. Holotype (unique): MCZ (whereabouts unknown). Also appeared in Duméril 1870:239, Pl. 15 (figs. 1, 1a-b) [ref. 1147]. •Synonym of *Acipenser acutirostris* Ayres 1854 -- (Okada 1961:282 [ref. 6363]). •Synonym of *Acipenser medirostris* Ayres 1854. **Current status:** Synonym of *Acipenser medirostris* Ayres 1854. Acipenseridae. Habitat: freshwater, brackish, marine.

medirostris*, *Acipenser Ayres [W. O.] 1854:2 [The Pacific [newspaper] v. 3 and 4 (thru no. 6); ref. 157] Near San Francisco, California, U.S.A. No types known. Appeared first as above on 1 Dec.; then in Ayres 1854:16 [ref. 18923]. •Synonym of *Acipenser acutirostris* Ayres 1854 -- (Okada 1961:282 [ref. 6363]). •Valid as *Acipenser medirostris* Ayres 1854 -- (Berg 1948:95 [ref. 12882], Lee et al. 1980:40 [ref. 22416], Eschmeyer & Herald 1983:61 [ref. 9277], Nakaya in Masuda et al. 1984:18 [ref. 6441], Kawanabe & Mizuno 1989:42 [ref. 25598], McAllister 1990:42 [ref. 14674], Page & Burr 1991:26 [ref. 18983], Artyukhin 1995:7 [ref. 23782], Bemis et al. 1997:37 [ref. 22871], Kim 1997:142 [ref. 24032], Nikiforov et al. 1997:330 [ref. 24694], Reshetnikov et al. 1997:725 [ref. 24702], Birstein & Bemis 1997:159 [ref. 29760], Sokolov 1998:20 [ref. 23571], Scott & Crossman 1998:90 [ref. 24570], Sokolovskaya et al. 1998:7 [ref. 24670], Musick et al. 2000:10 [ref. 24959], Nakabo 2000:187 [ref. 25086], Zemnukhov et al. 2001:420 [ref. 25412], Sheiko & Fedorov 2000:16 [ref. 25650], Pietsch et al. 2001:138 [ref. 25688], Bogutskaya et al. 2001:42 [ref. 26178], Kim & Park 2002:40 [ref. 25913], Mecklenburg et al. 2002:114 [ref. 25968], Nakabo 2002:187 [ref. 26001], Youn 2002:136, 487 [ref. 26218], Moyle 2002:109 [ref. 26449], Wydoski & Whitney 2003:39 [ref. 27816], Nelson et al. 2004:58 [ref. 27807], Bogutskaya & Naseka 2004:23 [ref. 28183], Scharpf 2005:7 [ref. 28940], McPhail 2007:24 [ref. 31199], Page & Burr 2011:135 [ref. 31215], Hilton et al. 2011:136 [ref. 31407], Page et al. 2013:58 [ref. 32708]). **Current status:** Valid as *Acipenser medirostris* Ayres 1854. Acipenseridae. Distribution: North Pacific: Japan to Alaska to Baja California. Habitat: freshwater, brackish, marine.

oligopeltis*, *Acipenser (Antaceus) Duméril [A. H. A.] 1867:184, Pl. 15 (figs. 2, 2a-b) [Nouvelles Archives du Muséum d'Histoire Naturelle, Paris v. 3; ref. 14072] San Francisco, California, U.S.A. Holotype (unique): MCZ (whereabouts unknown). Also appeared in Duméril 1870:241 [ref. 1147]. •Synonym of *Acipenser acutirostris* Ayres 1854 -- (Okada 1961:282 [ref. 6363]). •Synonym of *Acipenser medirostris* Ayres 1854. **Current status:** Synonym of *Acipenser medirostris* Ayres 1854. Acipenseridae. Habitat: freshwater, brackish, marine.

***Acipenser mikadoi* HILGENDORF, 1892**

mikadoi*, *Acipenser Hilgendorf [F. M.] 1892:98 [Sitzungsberichte der Gesellschaft Naturforschender Freunde zu Berlin 1892; ref. 14511] Hokaido, Japan. No types known. •Synonym of *Acipenser acutirostris* Ayres 1854 -- (Okada 1961:282 [ref. 6363]). •Sometimes considered a subspecies of *Acipenser medirostris* Ayres 1854 -- (Reshetnikov et al. 1997:725 [ref. 24702]). •Synonym of *Acipenser medirostris* Ayres 1854 -- (Kim 1997:539 [ref. 24032], Bogutskaya et al. 2001:42 [ref. 26178], Bogutskaya & Naseka 2004:24 [ref. 28183]). •Valid as *Acipenser mikadoi* Hilgendorf 1892 -- (Birstein & Bemis 1997:159 [ref. 29760], Mecklenburg et al. 2002:114 [ref 25968], Bogutskaya et al. 2008:313 [ref. 30085], Hilton et al. 2011:136 [ref. 31407], Parin et al. 2014:42 [ref. 33547]). **Current status:** Valid as *Acipenser mikadoi* Hilgendorf 1892. Acipenseridae. Distribution: Asian coast of northern Pacific Ocean, southern Okhotsk Sea and Japan to Korea. Habitat: freshwater, brackish, marine.

***Acipenser naccarii* BONAPARTE, 1836**

heckelii, *Acipenser* Fitzinger [L. J. F. J.] in Fitzinger & Heckel 1836:303, Pls. 26 (fig. 4), 29 (figs. 11-12) [Annalen des Wiener Museums der Naturgeschichte v. 1 (no. 12); ref. 2077] Adriatic Sea (Mediterranean Sea); rivers Po, Etsch [Adige] and Brenta, Italy. Syntypes: NMW 76784 (1), 92877 (1, dry). Name mentioned first in Brandt & Ratzeburg 1833:29 [ref. 619], not available. Name declared a nomen oblitum in Kottelat & Freyhof 2009:76 [ref. 30320]. •Synonym of *Acipenser naccarii* Bonaparte 1836 -- (Kottelat 1997:30 [ref. 22952], Kottelat & Freyhof 2009:77 [ref. 30320]). **Current status:** Synonym of *Acipenser naccarii* Bonaparte 1836. Acipenseridae. Habitat: freshwater, brackish, marine.

ladanus, *Acipenser* Ninni [A. P.] (ex Chiareghini) 1872:33 [Rivista critica delle specie dei pesci adriatici descritti nell'opera manoscritta dell'Ab. Stefano Chiareghini di Chioggia.; ref. 17995] Appeared first in Nardo 1847:col. 111 [ref. 17944] as name in synonymy and not available. Probably made available by Ninni 1872:33 [ref. 17995] where Chiareghini manuscript is quoted and name is treated as valid by Ninni. Authorship is probably Nardo 1847, but not translated by us. •Synonym of *Acipenser naccarii* Bonaparte 1836 -- (Kottelat 1997:31 [ref. 22952]). **Current status:** Synonym of *Acipenser naccarii* Bonaparte 1836. Acipenseridae. Habitat: freshwater, brackish, marine.

naccarii, *Acipenser* Bonaparte [C. L.] 1836:fasc. 16-17, punt.87, Pl. 129 (fig. 2) [Iconografia della fauna italica; ref. 4892] Rivers Brenta, Adige, Piave, Livorno, Bacchiglione, Tagliamento; Florence, Italy. Syntypes: ANSP 624 (1), 625 (1) Bonaparte no. 72. Type catalog: Böhlke 1984:17 [ref. 13621]. Name declared a nomen protectum by Kottelat & Freyhof 2009:76 [ref. 30320] to establish precedence over *Acipenser heckelii* Bonaparte 1836. •Valid as *Acipenser naccarii* Bonaparte 1836 -- (Svetovidov 1973:83 [ref. 7169], Svetovidov in Whitehead et al. 1984:222 [ref. 13675], Lelek 1987:25 [ref. 22962], Artyukhin 1995:7 [ref. 23782], Mrakovcic et al. 1995:183 [ref. 23079], Bemis et al. 1997:37 [ref. 22871], Kottelat 1997:30 [ref. 22952], Bogutskaya & Naseka 2004:24 [ref. 28183], Kottelat & Freyhof 2007:52 [ref. 29996], Kottelat & Freyhof 2009:76 [ref. 30320], Hilton et al. 2011:136 [ref. 31407]). **Current status:** Valid as *Acipenser naccarii* Bonaparte 1836. Acipenseridae. Distribution: Europe and Mediterranean Sea: Adriatic Sea and its tributaries. Habitat: freshwater, brackish, marine.

nardoi, *Acipenser* Heckel [J. J.] 1851:557, Pl. 24 (fig. 2) [Sitzungsberichte der Kaiserlichen Akademie der Wissenschaften. Mathematisch-Naturwissenschaftliche Classe v. 6 (pt 2); ref. 18261] Venice, Italy, Adriatic Sea (Mediterranean Sea). Holotype: ?NMW 63076. Non-types: ?NMW 63079 (1). •Synonym of *Acipenser naccarii* Bonaparte 1836 -- (Svetovidov 1973:83 [ref. 7169], Kottelat 1997:31 [ref. 22952]). **Current status:** Synonym of *Acipenser naccarii* Bonaparte 1836. Acipenseridae. Habitat: freshwater, brackish, marine.

nasus, *Acipenser* Heckel [J. J.] 1847:80 [Diario del Nono Congresso degli Scienziati Italiani convocati in Venezia 1847; ref. 26437] Venice, Italy, Adriatic Sea (Mediterranean Sea). Holotype (unique): NMW 63093. Also appeared in Heckel 1851:552 [ref. 18261], Pl. 23. •Synonym of *Acipenser naccarii* Bonaparte 1836 -- (Svetovidov 1973:83 [ref. 7169], Kottelat 1997:31 [ref. 22952]). **Current status:** Synonym of *Acipenser naccarii* Bonaparte 1836. Acipenseridae. Habitat: freshwater, brackish, marine.

***Acipenser nudiventris* LOVETZKY, 1828**

derjavini, *Acipenser nudiventris* Borzenko [M. P.] 1950 [Trudy Kaspiiskogo basseinovogo filiala VNIRO Astrakhan (Astrakhan) No. 11; ref. 22959] Kura River, Azerbaijan, Caspian Sea Region. Syntypes: (127) KVNIRO uncat. •Synonym of *Acipenser nudiventris* Lovetsky 1828 -- (Coad 1995:7 [ref. 23608], Kottelat 1997:31 [ref. 22952]). **Current status:** Synonym of *Acipenser nudiventris* Lovetsky 1828. Acipenseridae. Habitat: freshwater, brackish, marine.

glaber, *Acipenser* Fitzinger [L. J. F. J.] in Fitzinger & Heckel 1836:270, Pls. 25 (fig. 3), 28 (figs. 5-6) [Annalen des Wiener Museums der Naturgeschichte v. 1 (no. 12); ref. 2077] Danube River, Austria. Syntypes: ?NMW 91292 (1, dry). Perhaps dates to Fitzinger 1832:340 [ref. 5219]; see Kottelat 1997:31 [ref. 22952]. •Synonym of *Acipenser nudiventris* Lovetsky 1828 -- (Berg 1948:66 [ref. 12882], Svetovidov 1973:83 [ref. 7169], Kottelat 1997:31 [ref. 22952], Sokolov 1998:21 [ref. 23571], Bilecenoglu et al. 2002:29 [ref. 26753]). **Current status:** Synonym of *Acipenser nudiventris* Lovetsky 1828. Acipenseridae. Habitat: freshwater, brackish, marine.

nudiventris, *Acipenser* Lovetsky [A.] 1828:78, Pl. 6 (fig. 2) [Novyi Magazin, Estestvennoi Istorii, Fiziki, Khimii i Svedenii i Svedenii Ekologicheskikh, Izdannyi 1. Dviubskim Part 2; ref. 19627] Aral Sea, Russia. No types known. Apparently also appeared in Lovetsky 1830 [ref. 18454]. Original description reproduced in Berg 1905:2, footnote [ref. 15338]. •Valid as *Acipenser nudiventris* Lovetsky 1828 -- (Berg 1948:66 [ref. 12882], Svetovidov 1973:83 [ref. 7169], Coad 1981:8 [ref. 22348], Svetovidov in Whitehead et al. 1984:222 [ref. 13675], Lelek 1987:48 [ref. 22962], Coad 1995:7 [ref. 23608], Artyukhin 1995:7 [ref. 23782], Zhu 1995:6 [ref. 25213], Bemis et al. 1997:37 [ref. 22871], Kottelat 1997:31 [ref. 22952], Reshetnikov et al. 1997:725 [ref. 24702], Birstein & Bemis 1997:158 [ref. 29760], Sokolov 1998:21 [ref. 23571], Coad 1998:102 [ref. 23869], Pourkazemi et al. 2000:1 [ref. 25536], Bogutskaya et al. 2001:42 [ref. 26178], Zhang 2001:37 [ref. 26586] dated 1928 [sic], Bilecenoglu et al. 2002:29 [ref. 26753], Hanel 2003:46 [ref. 27894], Bogutskaya & Naseka 2004:24 [ref. 28183], Vassilev & Pehlivanov 2005:162 [ref. 28369] with date as 1928, Fricke et al. 2007:21 [ref. 29533], Kottelat & Freyhof 2007:53 [ref. 29996], Vasil'eva 2007:38 [ref. 30517], Ninua &

Japoshvili 2008:164 [ref. [31251](#)], Esmaeili et al. 2010:365 [ref. [33391](#)], Hilton et al. 2011:136 [ref. [31407](#)], Parin et al. 2014:43 [ref. [33547](#)]). **Current status:** Valid as *Acipenser nudiventris* Lovetsky 1828. Acipenseridae. Distribution: Eastern Atlantic, Europe and Middle East: Basins of Black, Azov, Caspian and Aral seas and Sea of Marmara. Habitat: freshwater, brackish, marine.

schypa*, *Acipenser Eichwald [C. E. von] 1831:66 [Zoologia specialis quam expositis animalibus tum vivis Pars posterior [3]; ref. [5562](#)] Caspian Sea, unde Volga adscendit et Cyrum. Credited to "L." [Linnaeus] but this species not described by Linnaeus; if regarded as available then it is subjectively invalid -- preoccupied by *Acipenser schypa* Gldenstdt 1772. •Synonym of *Acipenser nudiventris* Lovetsky 1828 -- (Svetovidov 1973:83 [ref. [7169](#)], Coad 1995:7 [ref. [23608](#)] as *schypa*). **Current status:** Synonym of *Acipenser nudiventris* Lovetsky 1828. Acipenseridae. Habitat: freshwater, brackish, marine.

***Acipenser oxyrinchus* MITCHELL, 1815**

accipenser*, *Sturio Strm [H.] 1784:129 [Physisk-oeconomisk beskrivelse over Eger-praestgiaeld i Aggerhuus-stift i Norge; ref. [22961](#)] Boskerud District, southwest of Oslo, Norway. No types known. Declared a nomen protectum under Art. 23.9.1.2 by Kottelat & Freyhof 2009:79 [ref. [30320](#)] in favor of *Acipenser oxyrinchus* Mitchill 1815. •Synonym of *Acipenser sturio* Linnaeus 1758 -- (Kottelat 1997:33 [ref. [22952](#)])). •In the synonymy of *Acipenser oxyrinchus* Mitchill 1815. **Current status:** Synonym of *Acipenser oxyrinchus* Mitchill 1815. Acipenseridae. Habitat: freshwater, brackish, marine.

***bairdii*, *Acipenser* (*Huso*)** Dumril [A. H. A.] 1870:145 [Histoire naturelle des poissons ou ichthyologie gnrale v. 2; ref. [1147](#)] Havre de Grace, Maryland, U.S.A. Holotype (unique): MCZ (whereabouts unknown). •Synonym of *Acipenser oxyrinchus* Mitchill 1815. **Current status:** Synonym of *Acipenser oxyrinchus* Mitchill 1815. Acipenseridae. Habitat: freshwater, brackish, marine.

desotoi*, *Acipenser oxyrhynchus Vladykov [V. D.] 1955:755, Pls. 1, 3, 5, 7 [Journal of the Fisheries Research Board of Canada v. 12 (no. 5); ref. [12536](#)] Off Gautier, mouth of Singing River, between Twin Island and Rabbit Island, Jackson County, Mississippi, U.S.A. Holotype: FMNH 59803. Paratypes: FMNH 59804 (1). Type catalog: Ibarra & Stewart 1987:5 [ref. [12367](#)]. Species originally spelled as *de sotoi*, change mandatory. •Synonym of *Acipenser oxyrinchus* Mitchill 1815, but a valid subspecies as described -- (Lee et al. 1980:41 [ref. [22416](#)], Ong et al. 1996:464 [ref. [23959](#)], Mettee et al. 1996:79 [ref. [25836](#)], McEachran & Fechhelm 1998:198 [ref. [23897](#)], Scott & Crossman 1998:93 [ref. [24570](#)], Musick et al. 2000:10 [ref. [24959](#)], Ross et al. 2001:76 [ref. [25978](#)])). •Synonym of *Acipenser oxyrinchus* Mitchill 1915, but a valid subspecies *desotoi* Vladykov 1955 -- (Birstein & Bemis 1997:159 [ref. [29760](#)], Boschung & Mayden 2004:105 [ref. [27995](#)], Scharpf 2005:7 [ref. [28940](#)], Page & Burr 2011:137, ll, l. [ref. [31215](#)])). **Current status:** Synonym of *Acipenser oxyrinchus* Mitchill 1815. Acipenseridae. Distribution: Southeastern U.S.A.: Gulf of Mexico [this subspecies]. Habitat: freshwater, brackish, marine.

***girardi*, *Acipenser* (*Huso*)** Dumril [A. H. A.] 1870:132 [Histoire naturelle des poissons ou ichthyologie gnrale v. 2; ref. [1147](#)] Havre de Grace, Maryland, U.S.A. Holotype (unique): MCZ 100689 [tracking number] not found. •Synonym of *Acipenser oxyrinchus* Mitchill 1815. **Current status:** Synonym of *Acipenser oxyrinchus* Mitchill 1815. Acipenseridae. Habitat: freshwater, brackish, marine.

***hallowellii*, *Acipenser* (*Antaceus*)** Dumril [A. H. A.] 1867:172 [Nouvelles Archives du Musum d'Histoire Naturelle, Paris v. 3; ref. [14072](#)] Locality unknown [= eastern U.S.A.]. Holotype (unique): MNHN (dry). Type catalog: Bertin 1940:249 [ref. [293](#)]. Also appeared in Dumril 1870:228 [ref. [1147](#)]. •Synonym of *Acipenser oxyrinchus* Mitchill 1815. **Current status:** Synonym of *Acipenser oxyrinchus* Mitchill 1815. Acipenseridae. Habitat: freshwater, brackish, marine.

***holbrookii*, *Acipenser* (*Huso*)** Dumril [A. H. A.] 1870:149 [Histoire naturelle des poissons ou ichthyologie gnrale v. 2; ref. [1147](#)] Charleston, South Carolina, U.S.A. Holotype (unique): MCZ 8952. •Synonym of *Acipenser oxyrinchus* Mitchill 1815. **Current status:** Synonym of *Acipenser oxyrinchus* Mitchill 1815. Acipenseridae.

***kennicottii*, *Acipenser* (*Huso*)** Dumril [A. H. A.] 1870:130, Pl. 15 (figs. 3, 3a, 3b) [Histoire naturelle des poissons ou ichthyologie gnrale v. 2; ref. [1147](#)] James River, Virginia, U.S.A. Holotype (unique): MCZ 8944. •Synonym of *Acipenser oxyrinchus* Mitchill 1815. **Current status:** Synonym of *Acipenser oxyrinchus* Mitchill 1815. Acipenseridae. Habitat: freshwater, brackish, marine.

***lecontei*, *Acipenser* (*Antaceus*)** Dumril [A. H. A.] 1867:177, Pl. 16 (figs. 1, 1a, 2) [Nouvelles Archives du Musum d'Histoire Naturelle, Paris v. 3; ref. [14072](#)] Bay of New York, U.S.A. Syntypes: (2) MNHN 0000-3110 (1, dry). Type catalog: Bertin 1940:249 [ref. [293](#)] with MNHN 3110 as figured holotype. Also appeared in Dumril 1870:232 [ref. [1147](#)]. •Synonym of *Acipenser oxyrinchus* Mitchill 1815 -- (Smith 1986:48 [ref. [22186](#)] as *leconti* and *oxyrhynchus*). •Synonym of *Acipenser sturio* Linnaeus 1758 -- (authors). **Current status:** Synonym of *Acipenser oxyrinchus* Mitchill 1815. Acipenseridae. Habitat: freshwater, brackish, marine.

lichtensteinii*, *Acipenser Bloch [M. E.] & Schneider [J. G.] 1801:348, Pl. 69 [M. E. Blochii, Systema Ichthyologiae; ref. [471](#)] North Sea. Holotype (unique): ZMB 4412. Type catalog: Paepke 1999:42 [ref. [24282](#)]. Declared a nomen protectum under Art. 23.9.1.2 by Kottelat & Freyhof 2009:79 [ref. [30320](#)] in favor of

Acipenser oxyrinchus Mitchill 1815. •Synonym of *Acipenser sturio* Linnaeus 1758 -- (Kottelat 1997:33 [ref. 22952]). •In the synonymy of *Acipenser oxyrinchus* Mitchill 1815 -- (Kottelat & Freyhof 2009:79 [ref. 30320]). **Current status:** Synonym of *Acipenser oxyrinchus* Mitchill 1815. Acipenseridae. Habitat: freshwater, brackish, marine.

macrorhinus, *Acipenser (Huso)* Duméril [A. H. A.] 1870:133 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. 1147] New York, U.S.A. Holotype (unique): MNHN 0000-9114. Type catalog: Bertin 1940:251 [ref. 293]. •Synonym of *Acipenser oxyrinchus* Mitchill 1815 -- (Smith 1986:49 [ref. 22186] as *oxyrhynchus*). **Current status:** Synonym of *Acipenser oxyrinchus* Mitchill 1815. Acipenseridae. Habitat: freshwater, brackish, marine.

mitchillii, *Acipenser (Huso)* Duméril [A. H. A.] 1870:116 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. 1147] New York, U.S.A. Holotype (unique): MNHN 0000-4578. Type catalog: Bertin 1940:250 [ref. 293]. •Synonym of *Acipenser oxyrinchus* Mitchill 1815 -- (Smith 1986:48 [ref. 22186] as *oxyrhynchus*). •Synonym of *Acipenser sturio* Linnaeus 1758 -- (authors). **Current status:** Synonym of *Acipenser oxyrinchus* Mitchill 1815. Acipenseridae. Habitat: freshwater, brackish, marine.

oxyrinchus, *Acipenser* Mitchill [S. L.] 1815:462 [Transactions of the Literary and Philosophical Society of New-York v. 1 (art. 5) (for 1814); ref. 13292] New York, U.S.A. No types known. Commonly misspelled; *oxyrinchus* is the correct spelling. Declared a nomen protectum by Kottelat & Freyhof 2009:75 [ref. 30320] on Art. 23.9.1 for reversal of precedence over *Sturio accipenser* Strøm 1784 and *Acipenser lichtensteinii* Bloch & Schneider 1801. •Valid as *Acipenser oxyrinchus* Mitchill 1815 [often misspelled *oxyrhynchus*] -- (Lee et al. 1980:41 [ref. 22416], Smith 1986:47 [ref. 22186], Robins & Ray 1986:44 [ref. 23100], Scott & Scott 1988:68 [ref. 25518], McAllister 1990:42 [ref. 14674], Burkhead & Jenkins 1991:344 [ref. 21804], Page & Burr 1991:27 [ref. 18983], Boschung 1992:28 [ref. 23239], Musick et al. in Jenkins & Burkhead 1994:187 [ref. 21581], Knight & Hastings 1994:149 [ref. 25560], Artyukhin 1995:7 [ref. 23782], Ong et al. 1996:464 [ref. 23959], Chereshevnev 1996:599 [ref. 24659], Bemis et al. 1997:37 [ref. 22871], Murdy et al. 1997:53 [ref. 23144], Birstein & Bemis 1997:159 [ref. 29760], McEachran & Fechhelm 1998:198 [ref. 23897], Scott & Crossman 1998:92 [ref. 24570], Smith-Vaniz et al. 1999:125 [ref. 25013], Musick et al. 2000:10 [ref. 24959], Scott 2003:671 [ref. 26987], Nelson et al. 2004:58 [ref. 27807], Fricke 2007:25 [ref. 30577], Kottelat & Freyhof 2007:53 [ref. 29996], Page et al. 2013:58 [ref. 32708]). •Valid as *Acipenser oxyrinchus* Mitchell 1815, subspecies *oxyrinchus* Mitchell 1815 -- (Ross et al. 2001:76 [ref. 25978], Musick in Collette & Klein-MacPhee 2002:85 [ref. 26158], Boschung & Mayden 2004:105 [ref. 27995], Scharpf 2005:7 [ref. 28940], Miller 2006:81 [ref. 28615], Kottelat & Freyhof 2009:78 [ref. 30320], Mecklenburg et al. 2011:117 [ref. 31212], Page & Burr 2011:137 [ref. 31215] with 2 subspecies, Hilton et al. 2011:136 [ref. 31407], Parin et al. 2014:43 [ref. 33547]). **Current status:** Valid as *Acipenser oxyrinchus* Mitchill 1815. Acipenseridae. Distribution: Baltic Sea basin and North America. North Atlantic to southeastern South America [subspecies *oxyrinchus*]. Eastern Gulf of Mexico [subspecies *desotoi*]. Habitat: freshwater, brackish, marine.

storeri, *Acipenser (Huso)* Duméril [A. H. A.] 1870:147 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. 1147] Boston, Massachusetts, U.S.A. Holotype (unique): MCZ 8931. •Synonym of *Acipenser oxyrinchus* Mitchill 1815. **Current status:** Synonym of *Acipenser oxyrinchus* Mitchill 1815. Acipenseridae.

***Acipenser persicus* BORODIN, 1897**

persicus, *Acipenser* Borodin [N. A.] 1897:18, Figs. [Vestnik Rybopromyshlennosti v. 12; ref. 19955] Ural River to Ural'sk, Kazakhstan; Kura River, Azerbaijan; southern shore of Caspian Sea, Iran. Syntypes: (2 measured) none at ZIN. •Synonym of *Acipenser gueldenstaedti* Brandt & Ratzeberg 1833, but a valid subspecies -- (Berg 1948:81 [ref. 12882], Lelek 1987:50 [ref. 22962], see also Sokolov 1998:19 [ref. 23571], Ninua & Japoshvili 2008:164 [ref. 31251]). •Valid as *Acipenser persicus* Borodin 1897 -- (Coad 1995:7 [ref. 23608], Artyukhin 1995:7 [ref. 23782], Bemis et al. 1997:37 [ref. 22871], Reshetnikov et al. 1997:726 [ref. 24702], Birstein & Bemis 1997:158 [ref. 29760], Coad 1998:102 [ref. 23869], Pourkazemi et al. 2000:1 [ref. 25536], Bogutskaya et al. 2001:42 [ref. 26178], Bogutskaya & Naseka 2004:24 [ref. 28183], Fricke et al. 2007:21 [ref. 29533], Kottelat & Freyhof 2007:55 [ref. 29996], Kottelat & Freyhof 2007:55 [ref. 29996], Vasil'eva 2007:38 [ref. 30517], Ruban et al. 2011:470 [ref. 31229], Esmaeili et al. 2010:365 [ref. 33391], Hilton et al. 2011:136 [ref. 31407], Parin et al. 2014:43 [ref. 33547]). **Current status:** Valid as *Acipenser persicus* Borodin 1897. Acipenseridae. Distribution: Eastern Atlantic, Europe and Middle east: Caspian Sea and adjacent watersheds; introduced elsewhere. Habitat: freshwater, brackish.

***Acipenser ruthenus* LINNAEUS, 1758**

aleutensis, *Acipenser* Fitzinger [L. J. F. J.] in Fitzinger & Heckel 1836:285 [Annalen des Wiener Museums der Naturgeschichte v. 1 (no. 12); ref. 2077] Canaga Island, Aleutian Islands, Alaska, U.S.A. [in error]. No types known. See Mecklenburg et al. 2002:115 [ref 25968] who say not from Alaska and not *transmontanus*. •Questionably a synonym of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:32 [ref. 22952]). •Synonym

of *Acipenser transmontanus* Richardson 1837 -- (Scott & Crossman 1998:100 [ref. 24570]). **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish.

gmelini, *Acipenser* Fitzinger [L. J. F. J.] in Fitzinger & Heckel 1836:276, Pls. 25 (fig. 2), 30 (figs. 17-18) [Annalen des Wiener Museums der Naturgeschichte v. 1 (no. 12); ref. 2077] Azov Sea or Caspian Sea. Holotype (unique): NMW (not found). •Synonym of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:31 [ref. 22952]). **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish.

griseus, *Acipenser ruthenus* var. Brandt [J. F.] 1853:320, Fig. 2 [Mélanges Biologiques, tirés du Bulletin physico-mathématique de l'Académie Impériale des Sciences de St. Pétersbourg v. 1; ref. 20902] Nishni-Novgorod, Russia. No types known. Treated by Kottelat 1997:32 [ref. 22952] from Brandt 1851 as infrasubspecific. •Synonym of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:32 [ref. 22952]). **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish.

kamensis, *Acipenser* Lovetsky [A.] 1834:262, Pl. 16 (fig. 2) [Nouveaux mémoires de la Société impériale des naturalistes de Moscou v. 3; ref. 18085] Kama River, Russia. No types known. evidently spelled *camensis* on Pl. 16; see Kottelat 1997:31 [ref. 22952]. •Synonym of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:31 [ref. 22952]). **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish.

kankreni, *Acipenser (Sterletus)* Duméril [A. H. A.] (ex Valenciennes) 1870:256 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. 1147] Probably Russia. Holotype (unique): MNHN 0000-5173. Type catalog: Bertin 1940:253 [ref. 293]. •Synonym of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:32 [ref. 22952]). **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish.

koster, *Acipenser* Gmelin [J. F.] 1789:1486 [Caroli a Linné ... Systema Naturae per regna tria naturae v. 1 (pt 3); ref. 18139] Caspian Sea. Appeared first as name only in Gmelin 1774:238 [ref. 18140, v. 3]. •Apparently the same as *Acipenser kostera* Fitzinger 1832. •?Synonym of *Acipenser ruthenus* Linnaeus 1758. **Current status:** Uncertain as *Acipenser ruthenus* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish.

kostera, *Acipenser* Fitzinger [L. J. F. J.] 1832:340 [Beiträge zur Landeskunde Österreichs unter der Enns, Wien v. 1; ref. 5019] Danube River, Vienna, Austria. Neotype: BMNH 1898.4.11.26. Neotype designated by Kottelat 1997:31 [ref. 22952]. •Synonym of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:31 [ref. 22952]). **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish.

leucotica, *Acipenser ruthenus* var. Brandt [J. F.] 1853:320, Fig. 1 [Mélanges Biologiques, tirés du Bulletin physico-mathématique de l'Académie Impériale des Sciences de St. Pétersbourg v. 1; ref. 20902] Nishni-Novgorod, Russia. No types known. Treated by Kottelat 1997:32 [ref. 22952] as infrasubspecific from Brandt 1851, available as above. •Questionably a synonym of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:32 [ref. 22952]). **Current status:** Uncertain as *Acipenser ruthenus* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish.

lovetzkyi, *Acipenser (Sterletus)* Duméril [A. H. A.] 1870:254 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. 1147] Russia. Syntypes: MNHN 0000-5171 (2). Type catalog: Bertin 1940:253 [ref. 293]. •Synonym of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:32 [ref. 22952]). **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish.

marsiglii, *Acipenser* Brandt [J. F.] in Brandt & Ratzeburg 1833:352 [Medizinische Zoologie v. 2; ref. 619] Danube River or Ob River. Holotype: ?ZIN 11825. Based on *Antaceus glaber* of Marsigli 1726:34, Pl. 10 (fig. 2) [not investigated]. Also spelled *marsillii* by authors. •Synonym of *Acipenser ruthenus* Linnaeus 1758 -- (Berg 1948:76 [ref. 12882], Kottelat 1997:31 [ref. 22952], Parin et al. 2014:44 [ref. 33547]). •Synonym of *Acipenser ruthenus* Linnaeus 1758, but perhaps a valid subspecies -- (Reshetnikov et al. 1997:726 [ref. 24702], Sokolov 1998:21 [ref. 23571]). •Synonym of *Acipenser ruthenus* Linnaeus 1758, but a valid subspecies *marsiglii* -- (Sheiko & Fedorov 2000:16 [ref. 25650]). **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish.

pygmaeus, *Acipenser* Pallas [P. S.] 1814:102 [Zoographia Rosso-Asiatica v. 3; ref. 3351] Major seas and rivers of Europe. No types known. For localities see Kottelat 1997:31 [ref. 22952]. •Synonym of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:31 [ref. 22952], Sokolov 1998:21 [ref. 23571]). **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish.

ruthenus, *Acipenser* Linnaeus [C.] 1758:237 [Systema Naturae, Ed. X v. 1; ref. 2787] ?Danube River. Holotype: NRM 96. Based on several sources, see Kottelat 1997:31 [ref. 22952] so 96 should be regarded as a syntype. Apparently *ruthenicus* Brusina 1902:63 is a misspelling. Species name spelled *rhutenus* by Kielsen 1835:iii [ref. 30365]. •Valid as *Acipenser ruthenus* Linnaeus 1758 -- (Berg 1948:70 [ref. 12882], Lelek 1987:51 [ref. 22962], Coad 1995:7 [ref. 23608], Artyukhin 1995:7 [ref. 23782], Zhu 1995:6 [ref. 25213], Sokolov & Tsepkin 1996:23 [ref. 24640], Chereshevnev 1996:599 [ref. 24659], Bemis et al. 1997:37 [ref. 22871], Kottelat 1997:31 [ref. 22952], Reshetnikov et al. 1997:726 [ref. 24702], Birstein & Bemis 1997:158 [ref. 29760], Sokolov 1998:21 [ref. 23571], Bogutskaya et al. 2001:42 [ref. 26178], Zhang 2001:29 [ref. 26586], Hanel 2003:46 [ref. 27894], Bogutskaya & Naseka 2004:24 [ref. 28183], Hanel & Lusk 2005:176 [ref.

28804], Fricke et al. 2007:21 [ref. 29533], Kottelat & Freyhof 2007:55 [ref. 29996], Esmaeili et al. 2010:365 [ref. 33391], Mecklenburg et al. 2011:117 [ref. 31212], Ruban et al. 2011:471 [ref. 31229], Hilton et al. 2011:136 [ref. 31407], Dolgov 2013:915 [ref. 33112], Parin et al. 2014:44 [ref. 33547]). **Current status:** Valid as *Acipenser ruthenus* Linnaeus 1758. Acipenseridae. Distribution: Arctic rivers; Europe and Middle East: Black Sea, Sea of Azov, White Sea and Caspian Sea watersheds. Habitat: freshwater, brackish.

rutzskyi, Acipenser ruthenus Johansen [B. G.] 1946:171 [Trudy Tomskogo Gosudarstvennogo Universiteta v. 97; ref. 19607] Upper Ob River, Siberia, Russia. Syntypes: (21). •Synonym of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:32 [ref. 22952] as *ruzskyi*, Sokolov 1998:21 [ref. 23571] as *ruzskyi*). **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish.

sibiricus, Sterledus ruthenus var. Dybowski [B. N.] 1874:394 [Verhandlungen der K.-K. zoologisch-botanischen Gesellschaft in Wien v. 24 (no. 3-4); ref. 1172] Middle and lower Angara River, Siberia, Russia. Syntypes: whereabouts unknown. •Synonym of *Acipenser ruthenus* Linnaeus 1758 -- (Kottelat 1997:32 [ref. 22952]). **Current status:** Synonym of *Acipenser ruthenus* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish.

***Acipenser schrenkii* BRANDT, 1869**

schrenkii, Acipenser Brandt [J. F.] 1869:115 [Mélanges biologiques v. 7; ref. 618] Amur River and its main tributaries, Russia. Syntypes: whereabouts unknown. For remarks on systematics see Kottelat 2006:15 [ref. 28831]. •Valid as *Acipenser schrenkii* [often as *schrencki*] Brandt 1869 -- (Berg 1948:91 [ref. 12882], Nakaya in Masuda et al. 1984:18 [ref. 6441], Artyukhin 1995:7 [ref. 23782], Artyukin 1995:7 [ref. 23782], Zhu 1995:5 [ref. 25213], Bogutskaya & Naseka 1996:11 [ref. 22798], Bemis et al. 1997:37 [ref. 22871], Reshetnikov et al. 1997:726 [ref. 24702], Birstein & Bemis 1997:158 [ref. 29760] as *schrencki*, Sokolov 1998:22 [ref. 23571], Yue & Chen 1998:6 [ref. 26415], Bogutskaya et al. 2001:42 [ref. 26178], Zhang 2001:32 [ref. 26586], Bogutskaya & Naseka 2004:25 [ref. 28183] as *schrenkii*, Kottelat 2006:15 [ref. 28831], Ocock et al. 2006:27 [ref. 28933] as *schrenkii*, Bogutskaya et al. 2008:313 [ref. 30085], Hilton et al. 2011:136 [ref. 31407] as *schrenkii*, Parin et al. 2014:44 [ref. 33547] as *schrenkii*). **Current status:** Valid as *Acipenser schrenkii* Brandt 1869. Acipenseridae. Distribution: Asia and western North Pacific: Amur River basin, China, Russia and Mongolia. Habitat: freshwater, brackish, marine.

***Acipenser sinensis* GRAY, 1834**

kikuchii, Acipenser Jordan [D. S.] & Snyder [J. O.] 1901:302, Pl. 15 (figs. 1-2) [Journal of the College of Science. Imperial University, Tokyo v. 15 (pt 2); ref. 2506] Misaki, Kanagawa Prefecture, Sagami Bay, Japan. Holotype (unique): ZUMT 946 (mounted). •Valid as *Acipenser kikuchii* Jordan & Snyder 1901 -- (Okada 1961:284 [ref. 6363]). •Synonym of *Acipenser sinensis* Gray 1835 -- (Birstein & Bemis 1997:159 [ref. 29760]). **Current status:** Synonym of *Acipenser sinensis* Gray 1835. Acipenseridae. Habitat: freshwater, brackish, marine.

sinensis, Acipenser Gray [J. E.] 1835:122 [Proceedings of the Zoological Society of London 1834 (pt 2); ref. 18155] China. Syntypes: BMNH 1851.12.27.267 (1). •Valid as *Acipenser sinensis* Gray 1835 -- (Nakaya in Masuda et al. 1984:18 [ref. 6441], Zheng et al. 1989:19 [ref. 21202], Kuang in Pan et al. 1991:26 [ref. 23876], Ding 1994:30 [ref. 21531], Artyukhin 1995:7 [ref. 23782], Zhu 1995:6 [ref. 25213], Bemis et al. 1997:37 [ref. 22871], Cheng & Zhou 1997:63 [ref. 26385] dated 1834, Kim 1997:140 [ref. 24032], Birstein & Bemis 1997:158 [ref. 29760], Chen in Chen 1998:37 [ref. 23556], Yue & Chen 1998:13 [ref. 26415], Zhang 2001:34 [ref. 26586] dated 1834, Youn 2002:136, 487 [ref. 26218], Hilton et al. 2011:136 [ref. 31407]). **Current status:** Valid as *Acipenser sinensis* Gray 1835. Acipenseridae. Distribution: Yangtze and Pearl River basins, China. Habitat: freshwater, brackish, marine.

***Acipenser stellatus* PALLAS, 1771**

danubialis, Acipenser stellatus Brusina [S.] 1902:59, Fig. 3 [Rad Jugoslavenske Akademije znanosti i umjetnosti. Zagrebu. No. 149; ref. 17292] Danube River. Syntypes: whereabouts unknown. •Synonym of *Acipenser stellatus* Pallas 1771 -- (Svetovidov 1973:84 [ref. 7169], Kottelat 1997:33 [ref. 22952]). **Current status:** Synonym of *Acipenser stellatus* Pallas 1771. Acipenseridae. Habitat: freshwater, brackish, marine.

donensis, Acipenser stellatus Lovetsky [A.] 1834:263, Pl. 19 (fig. 1) [Nouveaux mémoires de la Société impériale des naturalistes de Moscou v. 3; ref. 18085] Don River, Russia. •Synonym of *Acipenser stellatus* Pallas 1771 -- (Berg 1948:96 [ref. 12882], Svetovidov 1973:83 [ref. 7169], Kottelat 1997:33 [ref. 22952],

Parin et al. 2014:44 [ref. 33547]). •Synonym of *Acipenser stellatus* Pallas 1771, but a valid subspecies as described -- (Sokolov 1998:19 [ref. 23571]). **Current status:** Synonym of *Acipenser stellatus* Pallas 1771. Acipenseridae. Habitat: freshwater, brackish, marine.

helops, *Acipenser* Pallas [P. S.] 1814:97 [Zoographia Rosso-Asiatica v. 3; ref. 3351] Major rivers and seas of Russia. No types known. •Synonym of *Acipenser stellatus* Pallas 1771 -- (Berg 1948:96 [ref. 12882] as *helops*, Svetovidov 1973:83 [ref. 7169], Coad 1995:7 [ref. 23608], Kottelat 1997:32 [ref. 22952], Sokolov 1998:22 [ref. 23571], Parin et al. 2014:44 [ref. 33547]). **Current status:** Synonym of *Acipenser stellatus* Pallas 1771. Acipenseridae. Habitat: freshwater, brackish, marine.

illyricus, *Acipenser stellatus* Brusina [S.] 1902:60, Figs. 1-2 [Rad Jugoslavenske Akademije znanosti i umjetnosti. Zagreb. No. 149; ref. 17292] Zadar, Dalmatia, Croatia, Adriatic Sea (Mediterranean Sea). Syntypes: whereabouts unknown. Original not seen. •Synonym of *Acipenser stellatus* Pallas 1771 -- (Svetovidov 1973:84 [ref. 7169], Kottelat 1997:33 [ref. 22952]). **Current status:** Synonym of *Acipenser stellatus* Pallas 1771. Acipenseridae. Habitat: freshwater, brackish, marine.

ponticus, *Acipenser stellatus* Movchan [Yu. V.] 1970:41 [Vestnik Zoologii v. 1970 (no. 2); ref. 895] Northwestern Black Sea, including Danube and Dneiper rivers. Syntypes: (many) whereabouts unknown. •Synonym of *Huso huso* (Linnaeus 1758) -- (see Sokolov 1998:23 [ref. 23571]). •Synonym of *Acipenser stellatus* Pallas 1771 -- (Parin et al. 2014:45 [ref. 33547]). **Current status:** Synonym of *Acipenser stellatus* Pallas 1771. Acipenseridae. Habitat: freshwater, brackish, marine.

ratzeburgii, *Acipenser* Brandt [J. F.] in Brandt & Ratzeburg 1833:351, 352, Pl. 1a (fig. 3) [Medizinische Zoologie v. 2; ref. 619] Caspian Sea at mouth of Emba River. Holotype: ZIN 11760. •Synonym of *Acipenser stellatus* Pallas 1771 -- (Coad 1995:7 [ref. 23608], Kottelat 1997:33 [ref. 22952]). **Current status:** Synonym of *Acipenser stellatus* Pallas 1771. Acipenseridae. Habitat: freshwater, brackish, marine.

seuruga, *Acipenser* Gldenstdt [J. A. von] 1772:533 [Novi Commentarii Academiae Scientiarum Imperialis Petropolitanae v. 16 (for 1771); ref. 5066] Caspian Sea. No types known. Also in Bonnaterre 1788:17 [ref. 4940]. •Synonym of *Acipenser stellatus* Pallas 1771 -- (Kottelat 1997:32 [ref. 22952], Sokolov 1998:22 [ref. 23571], Parin et al. 2014:44 [ref. 33547]). **Current status:** Synonym of *Acipenser stellatus* Pallas 1771. Acipenseridae. Habitat: freshwater, brackish, marine.

stellatus, *Acipenser* Pallas [P. S.] 1771:460 [Reise durch verschiedene Provinzen des russischen Reiches; ref. 18509] Volga River at Simbirsk, Caspian Sea, Ural River to Gwje. No types known. •Valid as *Acipenser stellatus* Pallas 1771 -- (Berg 1948:96 [ref. 12882], Svetovidov 1973:83 [ref. 7169], Svetovidov in Whitehead et al. 1984:223 [ref. 13675], Lelek 1987:54 [ref. 22962], Coad 1995:7 [ref. 23608], Artyukhin 1995:7 [ref. 23782], Sokolov & Tsepkin 1996:20 [ref. 24640], Bemis et al. 1997:37 [ref. 22871], Kottelat 1997:32 [ref. 22952], Reshetnikov et al. 1997:726 [ref. 24702], Birstein & Bemis 1997:158 [ref. 29760], Sokolov 1998:22 [ref. 23571], Coad 1998:102 [ref. 23869], Pourkazemi et al. 2000:1 [ref. 25536], Bogutskaya et al. 2001:42 [ref. 26178], Bilecenoglu et al. 2002:29 [ref. 26753], Hanel 2003:47 [ref. 27894], Bogutskaya & Naseka 2004:25 [ref. 28183], Vassilev & Pehlivanov 2005:162 [ref. 28369], Fricke et al. 2007:22 [ref. 29533], Kottelat & Freyhof 2007:56 [ref. 29996], Vasil'eva 2007:39 [ref. 30517], Ninua & Japoshvili 2008:164 [ref. 31251], Esmaeili et al. 2010:365 [ref. 33391], Hilton et al. 2011:136 [ref. 31407], Parin et al. 2014:44 [ref. 33547]). **Current status:** Valid as *Acipenser stellatus* Pallas 1771. Acipenseridae. Distribution: Eastern Atlantic, Mediterranean Sea, Europe and Middle East: Black Sea, Caspian Sea, Aegean Sea and adjacent watersheds. Habitat: freshwater, brackish, marine.

***Acipenser sturio* LINNAEUS, 1758**

attilus, *Acipenser* Gray [J. E.] 1851:13 [List of the specimens of fish in the collection of the British Museum.; ref. 4939] As a replacement name for *Acipenser sturio* Linnaeus 1758 as treated by Kottelat 1997:33 [ref. 22952]. •Synonym of *Acipenser sturio* Linnaeus 1758 -- (Kottelat 1997:33 [ref. 22952]). **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish, marine.

ducissae, *Acipenser* (*Huso*) Dumril [A. H. A.] 1870:98, Pl. 20 (figs. 5, 5a) [Histoire naturelle des poissons ou ichthyologie gnrale v. 2; ref. 1147] Russia. Holotype (unique): MNHN 0000-4634. Type catalog: Bertin 1940:250 [ref. 293]. •Synonym of *Acipenser sturio* Linnaeus 1758 -- (Kottelat 1997:33 [ref. 22952]). **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish, marine.

fitzingerii, *Acipenser* (*Huso*) Dumril [A. H. A.] (ex Valenciennes) 1870:97, Pl. 20 (figs. 4, 4a) [Histoire naturelle des poissons ou ichthyologie gnrale v. 2; ref. 1147] Russia. Holotype (unique): MNHN 0000-4638. Type catalog: Bertin 1940:250 [ref. 293]. •Synonym of *Acipenser sturio* Linnaeus 1758 -- (Kottelat 1997:33 [ref. 22952]). **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish, marine.

hospitus, *Acipenser* Kryer [H. N.] 1852:780 [Danmarks Fiske; ref. 18437] Northern resund [sound between Sweden and Seeland, Denmark]. Holotype: whereabouts unknown. Original not seen. •Synonym of *Acipenser sturio* Linnaeus 1758 -- (Kottelat 1997:33 [ref. 22952]). **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish, marine.

laevisissimus, *Acipenser* Duméril [A. H. A.] 1870:188 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. 1147] Elbe River, Germany; River Gironde, Bordeaux, France. Syntypes: MNHN 0000-5158 (1) Elbe River, MNHN 0000-5159 (1) River Gironde. Type catalog: Bertin 1940:253 [ref. 293]. •Synonym of *Acipenser sturio* Linnaeus 1758. **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish, marine.

latirostris, *Acipenser* Parnell [R.] 1831-37:405, Pl. 39 [Memoirs of the Wernerian Natural History Society, Edinburgh v. 7 (art. 2) (for 1831-1837); ref. 18519] Firth of Forth, Scotland. No types known. •Synonym of *Acipenser sturio* Linnaeus 1758 -- (Kottelat 1997:33 [ref. 22952]). **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish, marine.

milberti, *Acipenser* (*Huso*) Duméril [A. H. A.] 1870:137 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. 1147] New York, U.S.A. Syntypes: MNHN 0000-3113 (1, mounted), 0000-3494 (1, mounted). Type catalog: Bertin 1940:251 [ref. 293]. •Synonym of *Acipenser oxyrinchus* Mitchell 1815 -- (Smith 1986:49 [ref. 22186] as *oxyrhynchus*). •Synonym of *Acipenser sturio* Linnaeus 1758 -- (authors). **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish, marine.

nehelae, *Acipenser* (*Huso*) Duméril [A. H. A.] 1870:100, Pl. 20 (figs. 6, 6a) [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. 1147] Russia. Holotype (unique): MNHN 0000-4637. Type catalog: Bertin 1940:250 [ref. 293]. •Synonym of *Acipenser sturio* Linnaeus 1758 -- (Kottelat 1997:33 [ref. 22952]). **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish, marine.

podapos, *Acipenser* (*Huso*) Duméril [A. H. A.] 1870:102 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. 1147] Locality unknown [Europe]. Syntypes: MNHN 0000-4636 (2). Type catalog: Bertin 1940:250 [ref. 293]. •Synonym of *Acipenser sturio* Linnaeus 1758 -- (Kottelat 1997:33 [ref. 22952]). **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish, marine.

sturio, *Acipenser* Linnaeus [C.] 1758:237 [Systema Naturae, Ed. X v. 1; ref. 2787] Charente River at Saintes, France. Neotype: MNHN 1962-1295. Paralectotypes: BMNH 1853.11.12.210 (1); NRM 94 (1), 21711 (1). Type catalog: Fernholm & Wheeler 1983:209 [ref. 20707]. Lectotype designated by Kottelat & Freyhof 2009:77 [ref. 30320] as the specimen illustrated in Rondelet 1555:410; since that specimen is not in existence, Kottelat & Freyhof 2009:77 [ref. 30320] then designate MNHN 1962-1295 as the neotype to maintain *sturio* as the species of western and southern European species. They mistakenly referred to the neotype as the holotype on p. 77. •Synonym of *Acipenser oxyrinchus* Mitchell 1815, subspecies *oxyrinchus* Mitchell 1815 -- (Ross et al. 2001:76 [ref. 25978]). •Valid as *Acipenser sturio* Linnaeus 1758 -- (Berg 1948:93 [ref. 12882], Svetovidov 1973:82 [ref. 7169], Svetovidov in Whitehead et al. 1984:224 [ref. 13675], Lelek 1987:42 [ref. 22962], Lepage & Rochard 1995:28 [ref. 22130], Artyukhin 1995:7 [ref. 23782], Mrakovcic et al. 1995:183 [ref. 23079], Chereshevnev 1996:599 [ref. 24659], Bemis et al. 1997:37 [ref. 22871], Kottelat 1997:33 [ref. 22952], Reshetnikov et al. 1997:726 [ref. 24702], Birstein & Bemis 1997:160 [ref. 29760], Sokolov 1998:22 [ref. 23571], Gröger & Debus 2000:175 [ref. 24937], Bogutskaya et al. 2001:42 [ref. 26178], Bilecenoglu et al. 2002:29 [ref. 26753], Hanel 2003:46 [ref. 27894], Bogutskaya & Naseka 2004:25 [ref. 28183], Vassilev & Pehlivanov 2005:162 [ref. 28369], Hanel & Lusk 2005:179 [ref. 28804], Fricke 2007:25 [ref. 30577], Fricke et al. 2007:22 [ref. 29533], Kottelat & Freyhof 2007:57 [ref. 29996], Vasil'eva 2007:39 [ref. 30517], Ninua & Japoshvili 2008:164 [ref. 31251], Kottelat & Freyhof 2009:77 [ref. 30320], Mecklenburg et al. 2011:117 [ref. 31212], Hilton et al. 2011:136 [ref. 31407], Parin et al. 2014:45 [ref. 33547]). **Current status:** Valid as *Acipenser sturio* Linnaeus 1758. Acipenseridae. Distribution: Eastern Atlantic, Europe, Middle East: western and southern Europe (including western Baltic Sea, White Sea, North Sea, Mediterranean Sea, Black Sea, Sea of Marmara and adjacent watersheds). Habitat: freshwater, brackish, marine.

sturioides, *Acipenser* Malm [A. W.] 1861:618 [Förhandlingar vid de Skandinaviske Naturforskarnes. v. 8 (for 1860); ref. 17594] Göta Elf near Göteborg, Sweden. Holotype (unique): NMG. •Synonym of *Acipenser sturio* Linnaeus 1758 -- (Kottelat 1997:33 [ref. 22952]). **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish, marine.

valenciennii, *Acipenser* (*Huso*) Duméril [A. H. A.] 1870:180 [Histoire naturelle des poissons ou ichthyologie générale v. 2; ref. 1147] Questionably Seine River; Sables d'Olonne, Vendée. Syntypes: MNHN 0000-3115 (1, dry) Seine R.; MNHN 0000-3573 (1, dry) Sables d'Olonne. Type catalog: Bertin 1940:252-253 [ref. 293]. •Synonym of *Acipenser sturio* Linnaeus 1758 -- (Kottelat 1997:33 [ref. 22952]). **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish, marine.

vulgaris, *Sturio* Rafinesque [C. S.] 1810:41 [Indice d'ittologia siciliana; ref. 3595] Sicily, Italy, Mediterranean Sea. Also in Brusina 1902:54 [ref. 17292]. Unneeded new name for (and objective synonym of) *Acipenser sturio* Linnaeus 1758. •Synonym of *Acipenser sturio* Linnaeus 1758 -- (Kottelat 1997:33 [ref. 22952]). **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish, marine.

yarrellii, *Acipenser* Duméril [A. H. A.] 1867:164 [Nouvelles Archives du Muséum d'Histoire Naturelle, Paris v. 3; ref. 14072] Seine River mouth, France. Syntypes: BMNH (2), MNHN 0000-3108 (1, dry). Type catalog: Bertin 1940:249 [ref. 293] with MNHN 3108 as holotype. Also appeared as *Acipenser* (*Antaceus*) *yarrellii* in Duméril 1870:215 [ref. 1147]. •Synonym of *Acipenser sturio* Linnaeus 1758 -- (Kottelat 1997:33 [ref. 22952]). **Current status:** Synonym of *Acipenser sturio* Linnaeus 1758. Acipenseridae. Habitat: freshwater, brackish, marine.

***Acipenser transmontanus* RICHARDSON, 1836**

ayresii, *Acipenser (Antaceus)* Duméril [A. H. A.] 1867:171, Pls. 12 (figs. 1-1b), 16 (fig. 3) [Nouvelles Archives du Muséum d'Histoire Naturelle, Paris v. 3; ref. 14072] San Francisco, California, U.S.A. Holotype (unique): whereabouts unknown. Also appeared in Duméril 1870:226, Pl. 18 (figs. 2, 2a-b) [ref. 1147].

•Synonym of *Acipenser transmontanus* Richardson 1837. **Current status:** Synonym of *Acipenser transmontanus* Richardson 1837. Acipenseridae. Habitat: freshwater.

brachyrhynchus, *Acipenser* Ayres [W. O.] 1854:2 [The Pacific [newspaper] v. 3 and 4 (thru no. 6); ref. 157] San Francisco Bay, California, U.S.A. Possible syntypes: BMNH 1863.10.9.37 [from Ayres] (1). Appeared first as above on 1 Dec.; then in Ayres 1854 (Dec. 25):15 [ref. 18923]. •Synonym of *Acipenser transmontanus* Richardson 1837. **Current status:** Synonym of *Acipenser transmontanus* Richardson 1837. Acipenseridae. Habitat: freshwater.

caryi, *Acipenser (Antaceus)* Duméril [A. H. A.] 1867:169, Pl. 12 (figs. 2, 2a-b) [Nouvelles Archives du Muséum d'Histoire Naturelle, Paris v. 3; ref. 14072] San Francisco, California, U.S.A. Holotype: MCZ 24034 (not found). Also in Duméril 1870: 224, Pl. 18 (figs. 1, 1a-b) [ref. 1147]. •Synonym of *Acipenser transmontanus* Richardson 1837. **Current status:** Synonym of *Acipenser transmontanus* Richardson 1837. Acipenseridae. Habitat: freshwater.

putnami, *Acipenser (Antaceus)* Duméril [A. H. A.] 1867:178, Pl. 13 (figs. 1, 1a-b) [Nouvelles Archives du Muséum d'Histoire Naturelle, Paris v. 3; ref. 14072] San Francisco, California, U.S.A. Holotype (unique): MCZ (whereabouts unknown). Also appeared in Duméril 1870:243, Pl. 18 (figs. 2, 2a-b) [ref. 1147]. •Synonym of *Acipenser transmontanus* Richardson 1837. **Current status:** Synonym of *Acipenser transmontanus* Richardson 1837. Acipenseridae. Habitat: freshwater.

transmontanus, *Acipenser* Richardson [J.] (ex Gairdner) 1837:278, Pl. 97 (fig. 2) [Fauna Boreali-Americana Part 3; ref. 3731] Vancouver, Washington, U.S.A.; and Columbia River as high as Fort Colville. Syntypes: (2) whereabouts unknown. •Valid as *Acipenser transmontanus* Richardson 1837 -- (Lee et al. 1980:42 [ref. 22416], Eschmeyer & Herald 1983:61 [ref. 9277], McAllister 1990:42 [ref. 14674], Page & Burr 1991:27 [ref. 18983], Artyukhin 1995:7 [ref. 23782], Bemis et al. 1997:37 [ref. 22871], Birstein & Bemis 1997:160 [ref. 29760], Scott & Crossman 1998:96 [ref. 24570], Fuller et al. 1999:22 [ref. 25838], Dyer 2000:89 [ref. 26678], Musick et al. 2000:10 [ref. 24959], Mecklenburg et al. 2002:115 [ref. 25968], Moyle 2002:106 [ref. 26449], Wydoski & Whitney 2003:41 [ref. 27816], Nelson et al. 2004:58 [ref. 27807], Scharpf 2005:7 [ref. 28940], McPhail 2007:30 [ref. 31199], Minckley & Marsh 2009:69 [ref. 31114], Page & Burr 2011:137 [ref. 31215], Hilton et al. 2011:136 [ref. 31407], Page et al. 2013:58 [ref. 32708]). **Current status:** Valid as *Acipenser transmontanus* Richardson 1837. Acipenseridae. Distribution: Pacific Coast of North America/western North America: Gulf of Alaska to Monterey, California (U.S.A.); introduced in Lower Colorado River., Arizona, U.S.A. Habitat: freshwater.

***Huso dauricus* (Georgi, 1775)**

dauricus, *Acipenser* Georgi [J. G.] 1775:352 [Bemerkungen einer Reise im russischen Reich in 1772; ref. 18104] Amur River; Argun; Schilka; and Onon rivers. No types known. •Valid as *Huso dauricus* (Georgi 1775) - (Berg 1948:58 [ref. 12882], Nakaya in Masuda et al. 1984:18 [ref. 6441], Honma & Itano 1994:317 [ref. 22346], Artyukhin 1995:7 [ref. 23782], Bogutskaya & Naseka 1996:11 [ref. 22798], Chereshevnev 1996:599 [ref. 24659], Bemis et al. 1997:37 [ref. 22871], Reshetnikov et al. 1997:726 [ref. 24702], Sokolov 1998:23 [ref. 23571], Yue & Chen 1998:17 [ref. 26415], Nakabo 2000:187 [ref. 25086], Sheiko & Fedorov 2000:16 [ref. 25650], Bogutskaya et al. 2001:42 [ref. 26178], Pietsch et al. 2001:138 [ref. 25688], Zhang 2001:38 [ref. 26586], Nakabo 2002:187 [ref. 26001], Fedorov et al. 2003:23 [ref. 27579], Bogutskaya & Naseka 2004:26 [ref. 28183], Kottelat 2006:85 [ref. 28831], Bogutskaya et al. 2008:313 [ref. 30085], Hilton et al. 2011:136 [ref. 31407]). •Valid as *Acipenser dauricus* Georgi 1775 -- (Vasil'eva et al. 2009:865 [ref. 30626], Parin et al. 2014:41 [ref. 33547]). **Current status:** Valid as *Huso dauricus* (Georgi 1775). Acipenseridae. Distribution: Asia. Habitat: freshwater, brackish, marine.

mantschuricus, *Acipenser* Basilewsky [S.] 1855:235 [Nouveaux mémoires de la Société impériale des naturalistes de Moscou v. 10; ref. 200] Amur River [China]. No types at ZIN. •Synonym of *Huso dauricus* (Georgi 1775) -- (Bogutskaya et al. 2008:313 [ref. 30085]). **Current status:** Synonym of *Huso dauricus* (Georgi 1775). Acipenseridae. Habitat: freshwater, brackish, marine.

orientalis, *Acipenser* Pallas [P. S.] 1814:107 [Zoographia Rosso-Asiatica v. 3; ref. 3351] Amur River, Schilkam and Argunum, along Pacific. No types known. •Synonym of *Huso dauricus* (Georgi 1775) -- (Berg 1948:58 [ref. 12882], Bogutskaya & Naseka 1996:11 [ref. 22798], Sokolov 1998:23 [ref. 23571], Bogutskaya et al. 2008:313 [ref. 30085]). •Synonym of *Acipenser dauricus* Georgi 1775 -- (Parin et al. 2014:41 [ref. 33547]). **Current status:** Synonym of *Huso dauricus* (Georgi 1775). Acipenseridae. Habitat: freshwater, brackish, marine.

Huso huso LINNAEUS, 1758

albula, Acipenser Forster [J. R.] 1767:354 [Philosophical Transactions of the Royal Society of London v. 57; ref. 18088] Volga River, Russia. No types known. Not available, as named alternative for *Acipenser beluga* Forster 1767. See *Acipenser beluga* Forster 1767. •Synonym of *Huso huso* (Linnaeus 1758) -- (Kottelat 1997:34 [ref. 22952]). **Current status:** Synonym of *Huso huso* (Linnaeus 1758). Acipenseridae. Habitat: freshwater, brackish, marine.

beluga, Acipenser Forster [J. R.] 1767:354 [Philosophical Transactions of the Royal Society of London v. 57; ref. 18088] Volga River, Russia. No types known. Not available, as named alternative as *Acipenser albula* or *A. beluga*. See *Acipenser albula* Forster 1767. •Synonym of *Huso huso* (Linnaeus 1758) -- (Kottelat 1997:34 [ref. 22952]). **Current status:** Synonym of *Huso huso* (Linnaeus 1758). Acipenseridae. Habitat: freshwater, brackish, marine.

caspicus, Huso huso Babushkin [N. Ya.] 1942:131 [Izvestiia Azerbaidzhankoi nauchno-issledovatel'skpi rybokhoziaistvennoi stantsii. Baku, Russia. No. 7; ref. 21746] Caspian Sea. No types known. •Synonym of *Huso huso* (Linnaeus 1758), but a valid subspecies as described -- (Lelek 1987:55 [ref. 22962]). •Synonym of *Huso huso* (Linnaeus 1758) -- (Berg 1948:61 [ref. 12882], Coad 1995:7 [ref. 23608], Kottelat 1997:34 [ref. 22952]). **Current status:** Synonym of *Huso huso* (Linnaeus 1758). Acipenseridae. Habitat: freshwater, brackish, marine.

huso, Acipenser Linnaeus [C.] 1758:238 [Systema Naturae, Ed. X v. 1; ref. 2787] Danube and the rivers of Russia. No types known. •Valid as *Huso huso* (Linnaeus 1758) -- (Berg 1948:61 [ref. 12882], Svetovidov 1973:84 [ref. 7169], Svetovidov in Whitehead et al. 1984:225 [ref. 13675], Lelek 1987:55 [ref. 22962], Coad 1995:7 [ref. 23608], Artyukhin 1995:7 [ref. 23782], Sokolov & Tsepkin 1996:16 [ref. 24640], Bemis et al. 1997:37 [ref. 22871], Kottelat 1997:33 [ref. 22952], Birstein & Bemis 2007:159 [ref. 29760], Reshetnikov et al. 1997:726 [ref. 24702], Sokolov 1998:23 [ref. 23571], Coad 1998:102 [ref. 23869], Pourkazemi et al. 2000:1 [ref. 25536], Bogutskaya et al. 2001:42 [ref. 26178], Bilecenoglu et al. 2002:30 [ref. 26753], Hanel 2003:46 [ref. 27894], Bogutskaya & Naseka 2004:26 [ref. 28183], Vassilev & Pehlivanov 2005:163 [ref. 28369], Hanel & Lusk 2005:174 [ref. 28804], Fricke et al. 2007:22 [ref. 29533], Kottelat & Freyhof 2007:59 [ref. 29996], Vasil'eva 2007:40 [ref. 30517], Ninua & Japoshvili 2008:164 [ref. 31251], Esmaeili et al. 2010:366 [ref. 33391], Hilton et al. 2011:136 [ref. 31407], Vasil'eva et al. 2009:865 [ref. 30626], Parin et al. 2014:42 [ref. 33547]). **Current status:** Valid as *Huso huso* (Linnaeus 1758). Acipenseridae. Distribution: Eastern Atlantic, Mediterranean Sea, eastern Europe: Aegean, Black, Azov and Caspian seas and Sea of Marmara and adjacent watersheds. Habitat: freshwater, brackish, marine.

ichthyocolla, Huso Bonaparte [C. L.] 1846:22 [Atti della Settima Adunanza degli Scienziati Italiani Sesta Riunione, Milano 7a Adunanza, Napoli, Part 2; ref. 519] Unneeded new name for *Acipenser huso* Linnaeus 1758. •Synonym of *Huso huso* (Linnaeus 1758) -- (Svetovidov 1973:84 [ref. 7169], Kottelat 1997:34 [ref. 22952]). **Current status:** Synonym of *Huso huso* (Linnaeus 1758). Acipenseridae. Habitat: freshwater, brackish, marine.

maeoticus, Huso huso Sal'nikov [N. I.] & Malyatskii [S. M.] 1934:44 [Trudy Nauchnoi rybokhoziaistvennoi biologicheskoi stantii Gruzii [Travaux de la Station piscicole et biologique de Géorgie] v. 1 (no. 1); ref. 21745] Sea of Azov. No types known. •Synonym of *Huso huso* (Linnaeus 1758) -- (Berg 1948:61 [ref. 12882], Kottelat 1997:34 [ref. 22952], Birstein & Bemis 1997:159 [ref. 29760], see Sokolov 1998:23 [ref. 23571]). •Synonym of *Huso huso* (Linnaeus 1758), but a valid subspecies as described -- (Lelek 1987:55 [ref. 22962]). •Synonym of *Acipenser husa* Linnaeus 1758 -- (Parin et al. 2014:42 [ref. 33547]). **Current status:** Synonym of *Acipenser huso* (Linnaeus 1758). Acipenseridae. Habitat: freshwater, brackish, marine.

orientalis, Huso huso Lelek [A.] 1987:55 [The freshwater fishes of Europe. Threatened fishes of Europe v. 9; ref. 22962] Black Sea. Validates a name that first appeared as an infrasubspecific name; see *Huso huso ponticus natio orientalis*. But subjectively invalid; secondarily preoccupied in *Huso* by *Acipenser orientalis* Pallas 1814. •Synonym of *Huso huso* (Linnaeus 1758) -- (Kottelat 1997:34 [ref. 22952]). **Current status:** Synonym of *Huso huso* (Linnaeus 1758). Acipenseridae. Habitat: freshwater, brackish, marine.

ponticus, Huso huso Sal'nikov [N. I.] & Malyatskii [S. M.] 1934:44 [Trudy Nauchnoi rybokhoziaistvennoi biologicheskoi stantii Gruzii [Travaux de la Station piscicole et biologique de Géorgie] v. 1 (no. 1); ref. 21745] Black Sea. No types known. •Synonym of *Huso huso* (Linnaeus 1758) -- (Berg 1948:61 [ref. 12882], Kottelat 1997:34 [ref. 22952]). •Synonym of *Acipenser huso* Linnaeus 1758 -- (Parin et al. 2014:42 [ref. 33547]). **Current status:** Synonym of *Acipenser huso* (Linnaeus 1758). Acipenseridae. Habitat: freshwater, brackish, marine.

schypa, Acipenser Gmelin [J. F.] 1789:1484 [Caroli a Linné ... Systema Naturae per regna tria naturae v. 1 (pt 3); ref. 18139] Turkey, Bosphore or Sea of Marmara (Mediterranean Sea). Neotype: NRM 8946. Neotype designated by Kottelat 1997:34 [ref. 22952]. Based in part on *Acipenser schypa* GÜldenstädt 1772:516 [ref. 5066], and on *Acipenser kostera* of Gmelin 1774:238 [ref. 18140, v. 3]. Objectively invalid; preoccupied by *Acipenser schypa* Bonnat 1788. •Synonym of *Huso huso* (Linnaeus 1758) -- (Kottelat 1997:34 [ref. 22952]).

22952]). **Current status:** Synonym of *Huso huso* (Linnaeus 1758). Acipenseridae. Habitat: freshwater, brackish, marine.

shyp, Acipenser Forster [J. R.] 1767:353 [Philosophical Transactions of the Royal Society of London v. 57; ref. 18088] Turkey, Bosphore or Sea of Marmara (Mediterranean Sea). Neotype: NRM 8946. Originally described from Volga River, Russia. Neotype designated by Kottelat 1997:34 [ref. 22952]. •Synonym of *Huso huso* (Linnaeus 1758) -- (Kottelat 1997:34 [ref. 22952]). **Current status:** Synonym of *Huso huso* (Linnaeus 1758). Acipenseridae. Habitat: freshwater, brackish, marine.

vallisnerii, Acipenser Molin [R.] 1853:366, 371 [Rivista Periodica dei Lavori della I. R. Accademia di Scienze, Lettere ed Arti di Padova v. 1; ref. 17782] Po River, Italy. •Synonym of *Huso huso* (Linnaeus 1758) -- (Svetovidov 1973:84 [ref. 7169], Kottelat 1997:34 [ref. 22952]). **Current status:** Synonym of *Huso huso* (Linnaeus 1758). Acipenseridae. Habitat: freshwater, brackish, marine.

***Pseudoscaphirhynchus fedtschenkoi* (KESSLER, 1872)**

fedtschenkoi, Scaphirhynchus Kessler [K. T.] 1872:70 [26], Pl. 12 (figs. 36-41) [Izvestiia Imperatorskago Obschestva Liubitelei Estestvozanii, Antropologii i Etnografii v. 10 (no. 1); ref. 14134] Syr Darya River near Chinaz, Kazakhstan. Syntypes: (12) ZMMU P-640 (2); none found at ZIN. Type catalog: Svetovidova 1978:256 [ref. 9011], Vasil'eva et al. 2001:15 [ref. 25714]. On p. 26 of separate. Also in Kessler 1873:269 [ref. 18386] and in Kessler 1874:109 [ref. 18387]. •Valid as *Pseudoscaphirhynchus fedtschenkoi* (Kessler 1872) -- (Berg 1948:108 [ref. 12882], Bemis et al. 1997:37 [ref. 22871], Hilton et al. 2011:136 [ref. 31407]). **Current status:** Valid as *Pseudoscaphirhynchus fedtschenkoi* (Kessler 1872). Acipenseridae. Distribution: Eastern Europe. Habitat: freshwater, brackish.

***Pseudoscaphirhynchus hermanni* (KESSLER, 1877)**

hermanni, Scaphirhynchus Kessler [K. T.] (ex Severtzov) 1877:190, Pl. 8 (fig. 25, 25a-b) [The Aralo-Caspian Expedition; ref. 2597] Amu Darya River, Turkmenistan or Uzbekistan. Syntypes: ZIN 3690 (4). •Valid as *Pseudoscaphirhynchus hermanni* (Kessler 1877) -- (Berg 1948:105 [ref. 12882], Coad 1981:8 [ref. 22348], Salnikov et al. 1996:10 [ref. 22563], Mayden & Kuhajda 1996:261 [ref. 22395], Bemis et al. 1997:37 [ref. 22871], Hilton et al. 2011:136 [ref. 31407]). **Current status:** Valid as *Pseudoscaphirhynchus hermanni* (Kessler 1877). Acipenseridae. Distribution: Eastern Europe. Habitat: freshwater, brackish.

rossikowi, Pseudoscaphirhynchus Nikolskii [A. M.] 1900:258 [Ezhegodnik, Zoologicheskogo Muzeya, Sankt-Petersburg v. 5; ref. 3202] Lower Amu Darya, Uzbekistan. Holotype (unique): ZIN 11526. •Synonym of *Pseudoscaphirhynchus hermanni* (Kessler 1877) -- (Berg 1948:105 [ref. 12882]). **Current status:** Synonym of *Pseudoscaphirhynchus hermanni* (Kessler 1877). Acipenseridae. Habitat: freshwater, brackish.

***Pseudoscaphirhynchus kaufmanni* (KESSLER, 1877)**

kaufmanni, Scaphirhynchus Kessler [K. T.] (ex Bogdanov) 1877:194 [The Aralo-Caspian Expedition; ref. 2597] Lower Amu-Darya River, Uzbekistan. Syntypes: ZIN 2707 (1, lost), ZMMU P-1456 (1). Type catalog: Svetovidova 1978:256 [ref. 9011], Vasil'eva et al. 2001:15 [ref. 25714]. Appeared first in Bogdanov 1874:XLVII [ref. 19624] with no distinguishing features. •Valid as *Pseudoscaphirhynchus kaufmanni* (Kessler 1877) -- (Berg 1948:104 [ref. 12882], Coad 1981:8 [ref. 22348], Salnikov et al. 1996:10 [ref. 22563], Mayden & Kuhajda 1996:261 [ref. 22395], Bemis et al. 1997:37 [ref. 22871], Hilton et al. 2011:136 [ref. 31407]). **Current status:** Valid as *Pseudoscaphirhynchus kaufmanni* (Kessler 1877). Acipenseridae. Distribution: Eastern Europe. Habitat: freshwater, brackish.

***Scaphirhynchus albus* (FORBES & RICHARDSON, 1905)**

albus, Parascaphirhynchus Forbes [S. A.] & Richardson [R. E.] 1905:38, Pls. 4, 5 (1), 6(1), 7(1) [Bulletin of the Illinois State Laboratory of Natural History v. 7 (art. 4); ref. 1345] Mississippi River at or near Grafton, Jersey County, Illinois, U.S.A. Syntypes: (9) INHS 26944 (3 specimens, 2 heads). Type catalog: Smith & Bridges 1960:253 [ref. 21197], Sabaj et al. 1997:260 [ref. 23225]. •Valid as *Scaphirhynchus albus* (Forbes & Richardson 1905) -- (Lee et al. 1980:43 [ref. 22416], Robison & Buchanan 1988:79 [ref. 23393], Tomelleri & Eberle 1990:13 [ref. 24089], Page & Burr 1991:28 [ref. 18983], Etnier & Starnes 1993:101 [ref. 22809], Cross & Collins 1995:23 [ref. 23394], Mayden & Kuhajda 1996:260 [ref. 22395], Ross et al. 2001:76 [ref. 25978], Scott 2003:671 [ref. 26987], Nelson et al. 2004:58 [ref. 27807], Scharpf 2005:7 [ref. 28940], Page & Burr 2011:139 [ref. 31215], Hilton et al. 2011:136 [ref. 31407], Page et al. 2013:58 [ref. 32708]). **Current status:**

Valid as *Scaphirhynchus albus* (Forbes & Richardson 1905). Acipenseridae. Distribution: Mostly main channels of Missouri and lower Mississippi rivers, U.S.A. Habitat: freshwater, brackish, marine.

***Scaphirhynchus platyrhynchus* (RAFINESQUE, 1820)**

platyrhynchus, *Accipenser* Rafinesque [C. S.] 1820:247 [Western Revue and Miscellaneous Magazine: a monthly publ., devoted to literature and science, Lexington, KY v. 3 (no. 4); ref. 5088] Ohio, Wabash and Cumberland rivers, U.S.A. No types known. Described as belonging to subgenus *Sturio*, but listed as above. Also in Rafinesque 1820:80 [ref. 3592]. Correct spelling of genus is *Acipenser*. •Valid as *Scaphirhynchus platyrhynchus* (Rafinesque 1820) -- (Lee et al. 1980:44 [ref. 22416], Robison & Buchanan 1988:80 [ref. 23393], Tomelleri & Eberle 1990:12 [ref. 24089], Page & Burr 1991:27 [ref. 18983], Williams & Clemmer 1991:23 [ref. 19118], Boschung 1992:29 [ref. 23239], Espinosa Pérez et al. 1993:7 [ref. 22290], Etnier & Starnes 1993:102 [ref. 22809], Baxter & Stone 1995:44 [ref. 23374], Stauffer et al. 1995:31 [ref. 23376], Cross & Collins 1995:25 [ref. 23394], Mayden & Kuhajda 1996:260 [ref. 22395], Mettee et al. 1996:81 [ref. 25836], Bemis et al. 1997:37 [ref. 22871], Lyons et al. 2000:20 [ref. 26594] as *platorhynchus*, Ross et al. 2001:77 [ref. 25978], Nelson et al. 2004:58 [ref. 27807], Miller & Robison 2004:48 [ref. 27931], Boschung & Mayden 2004:107 [ref. 27995], Scharpf 2005:7 [ref. 28940], Miller 2006:82 [ref. 28615], Page & Burr 2011:138 [ref. 31215], Hilton et al. 2011:136 [ref. 31407], Page et al. 2013:58 [ref. 32708]). **Current status:** Valid as *Scaphirhynchus platyrhynchus* (Rafinesque 1820). Acipenseridae. Distribution: North America: large rivers, United States. Habitat: freshwater.

rafinesquii, *Scaphirhynchus* Heckel [J. J.] 1836:72, Pl. 8 [Annalen des Wiener Museums der Naturgeschichte v. 1; ref. 2062] Ohio, Wabash, and Cumberland rivers, U.S.A. Syntypes: (3) NMW 63271 (2). Unneeded new name for *Accipenser platyrhynchus* Rafinesque 1820. •Synonym of *Scaphirhynchus platyrhynchus* (Rafinesque 1820). **Current status:** Synonym of *Scaphirhynchus platyrhynchus* (Rafinesque 1820). Acipenseridae. Habitat: freshwater.

***Scaphirhynchus suttkusi* WILLIAMS & KLEMMER, 1991**

suttkusi, *Scaphirhynchus* Williams [J. D.] & Clemmer [G. H.] 1991:19, Figs. 1-2 [Bulletin of the Alabama Museum of Natural History No. 10; ref. 19118] Overflow pool of Alabama River, just above mouth of Little River at Dixie Landing, Monroe County, Alabama, U.S.A. Holotype: TU 135000. Paratypes: (many) AU, UAIC, USNM 200617 (1), TU, UF 84888 [ex AU 25918] (1), UMMZ 218752-53 (1, 1). Plus additional material not designated as types. Type catalog: Bart & Taylor 1993:30 [ref. 20906]. •Valid as *Scaphirhynchus suttkusi* Williams & Clemmer 1991 -- (Boschung 1992:29 [ref. 23239], Mayden & Kuhajda 1996:241 [ref. 22395], Mettee et al. 1996:83 [ref. 25836], Bemis et al. 1997:37 [ref. 22871], Ross et al. 2001:79 [ref. 25978], Nelson et al. 2004:58 [ref. 27807], Boschung & Mayden 2004:109 [ref. 27995], Scharpf 2005:7 [ref. 28940], Page & Burr 2011:138 [ref. 31215], Hilton et al. 2011:136 [ref. 31407], Page et al. 2013:58 [ref. 32708]). **Current status:** Valid as *Scaphirhynchus suttkusi* Williams & Clemmer 1991. Acipenseridae. Distribution: Southeastern U.S.A.: Mississippi and Alabama. Habitat: freshwater, marine.

Polyodontidae

***Polyodon spathula* (WALBAUM, 1792)**

edentula, *Platirostra* Lesueur [C. A.] 1818:228 [Journal of the Academy of Natural Sciences, Philadelphia v. 1 (pt 2); ref. 2735] Ohio River, U.S.A. Syntypes: ANSP (1), Peale's Museum (1) whereabouts unknown. •Synonym of *Polyodon spathula* (Walbaum 1792). **Current status:** Synonym of *Polyodon spathula* (Walbaum 1792). Polyodontidae. Habitat: freshwater.

feuille, *Polyodon* Lacepède [B. G. E.] 1797:49 [Bulletin de la Société Philomathique de Paris v. 1 (pt 2, no. 7); ref. 2707] No locality. Holotype (unique): MNHN 0000-5177 (poor condition). Type catalog: Bertin 1940:248 [ref. 293]. Also appeared in Lacepède 1798:402, Pl. 12 (fig. 3) [ref. 2708]. •Synonym of *Polyodon spathula* (Walbaum 1792). **Current status:** Synonym of *Polyodon spathula* (Walbaum 1792). Polyodontidae. Habitat: freshwater.

folium, *Polyodon* Bloch [M. E.] & Schneider [J. G.] 1801:457, Pl 62 (fig. 1) [M. E. Blochii, Systema Ichthyologiae; ref. 471] Mississippi River, American Louisiana., U.S.A. Unneeded substitute for *Polyodon feuille* of Lacepède 1798:402 [ref. 2707]. •Synonym of *Polyodon spathula* (Walbaum 1792) -- (Bogutskaya & Sokolov

1998:23 [ref. 23572], Ross et al. 2001:84 [ref. 25978]). **Current status:** Synonym of *Polyodon spathula* (Walbaum 1792). Polyodontidae. Habitat: freshwater.

lagenarius, Accipenser Rafinesque [C. S.] 1820:86 [Ichthyologia Ohiensis; ref. 3592] Ohio, U.S.A. No types known. •Synonym of *Polyodon spathula* (Walbaum 1792). **Current status:** Synonym of *Polyodon spathula* (Walbaum 1792). Polyodontidae. Habitat: freshwater.

maculatus, Proceros Rafinesque [C. S.] 1820:87 [Ichthyologia Ohiensis; ref. 3592] St. Genevieve, Missouri, U.S.A. No types known. •Synonym of *Polyodon spathula* (Walbaum 1792). **Current status:** Synonym of *Polyodon spathula* (Walbaum 1792). Polyodontidae. Habitat: freshwater.

reticulata, Spatularia Shaw [G.] 1804:362, Pl. 156 [General zoology or systematic natural history; ref. 4015] Probably Indian Seas. Based on "Polyodon feuille" of Lacepède and a specimen at BMNH. •In part a synonym of *Polyodon spathula* (Walbaum 1792). **Current status:** Synonym of *Polyodon*. Polyodontidae.

spathula, Squalus Walbaum [J. J.] 1792:522 [Petri Artedi sueci genera piscium Part 3; ref. 4572] Louisiana, the Mississippi River, U.S.A. No types known. Based on Spathule Maudit, J. Chim. H. Nat. Paris, 4, 1774: 384, Pl. 2. •Valid as *Polyodon spathula* (Walbaum 1792) -- (Lee et al. 1980:45 [ref. 22416], Smith 1986:50 [ref. 22186], Robison & Buchanan 1988:84 [ref. 23393], McAllister 1990:42 [ref. 14674], Tomelleri & Eberle 1990:17 [ref. 24089], Burkhead & Jenkins 1991:342 [ref. 21804], Grande & Bemis 1991:112 [ref. 19936], Page & Burr 1991:29 [ref. 18983], Bemis & Grande 1992 [ref. 21506], Boschung 1992:29 [ref. 23239], Etnier & Starnes 1993:104 [ref. 22809], Jenkins & Burkhead 1994:192 [ref. 21581], Warren et. al. 1994:132 [ref. 25557], Knight & Hastings 1994:149 [ref. 25560], Stauffer et al. 1995:33 [ref. 23376], Cross & Collins 1995:27 [ref. 23394], Mettee et al. 1996:81 [ref. 25836], Reshetnikov et al. 1997:726 [ref. 24702], Bogutskaya & Sokolov 1998:23 [ref. 23572], Fuller et al. 1999:24 [ref. 25838], Lyons et al. 2000:21 [ref. 26594], Ross et al. 2001:80 [ref. 25978], Zhang 2001:42 [ref. 26586], Hanel 2003:47 [ref. 27894], Nelson et al. 2004:58 [ref. 27807], Bailey et al. 2004:62 [ref. 27882], Miller & Robison 2004:50 [ref. 27931], Boschung & Mayden 2004:111 [ref. 27995], Bogutskaya & Naseka 2004:27 [ref. 28183], Scharpf 2005:7 [ref. 28940], Kottelat & Freyhof 2007:60 [ref. 29996], Page & Burr 2011:140 [ref. 31215], Page et al. 2013:58 [ref. 32708], Parin et al. 2014:45 [ref. 33547]). **Current status:** Valid as *Polyodon spathula* (Walbaum 1792). Polyodontidae. Distribution: North America; introduced elsewhere. Habitat: freshwater.

vittatus, Proceros Rafinesque [C. S.] 1820:87 [Ichthyologia Ohiensis; ref. 3592] Lake Ontario, North America. No types known. •Synonym of *Polyodon spathula* (Walbaum 1792) -- (Smith 1986:51 [ref. 22186]). **Current status:** Synonym of *Polyodon spathula* (Walbaum 1792). Polyodontidae. Habitat: freshwater.

***Psephurus gladius* (MARTENS, 1862)**

angustifolium, Spatularia (Polyodon) Kaup [J. J.] 1862:278 [Archiv für Naturgeschichte v. 28 (pt 1); ref. 18375] Japanese Sea. •Synonym of *Psephurus gladius* (Martens 1862). **Current status:** Synonym of *Psephurus gladius* (Martens 1862). Polyodontidae. Habitat: freshwater.

gladius, Polyodon Martens [E. von] 1862:476 [Monatsberichte der Königlich Preuss[ischen] Akademie der Wissenschaften zu Berlin v. for 1861; ref. 17603] Chang Jiang [Yangtze River], China. No types known. •Valid as *Psephurus gladius* (Martens 1862) -- (Liu & Zeng 1988:482 [ref. 6414], Grande & Bemis 1991:113 [ref. 19936], Ding 1994:34 [ref. 21531], Chen in Chen 1998:38 [ref. 23556], Yue & Chen 1998:21 [ref. 26415], Zhang 2001:40 [ref. 26586]). **Current status:** Valid as *Psephurus gladius* (Martens 1862). Polyodontidae. Distribution: China. Habitat: freshwater.

ANGUILLIFORMES

Anguillidae

***Anguilla anguilla* (LINNAEUS, 1758)**

acutirostris, Anguilla Risso [A.] 1827:198 [Histoire naturelle des principales productions de l'Europe méridionale v. 3; ref. 3757] Nice, France, northwestern Mediterranean Sea. Holotype (unique): MNHN (not found). Type catalog: Bauchot et al. 1993:124 [ref. 20810]. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:220 [ref. 7185], Castle 1984:34 [ref. 6171], Smith 1990:151 [ref. 13454], Tesch 1991:389 [ref. 24843], Kottelat 1997:35 [ref. 22952]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

aegyptiaca, Anguilla Kaup [J. J.] 1856:40 [Catalogue of the apodal fish in the collection of the British Museum; ref. 2573] Nile River, Egypt. Syntypes: MNHN 0000-3772 (1), 0000-3773 (1). Type catalog: Bauchot

et al. 1993:93 [ref. 20810]. Appeared first as name only in Kaup 1856:55 [ref. 2572]. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. 7185], Castle 1984:34 [ref. 6171], Smith 1990:152 [ref. 13454], Tesch 1991:389 [ref. 24843], Lévêque et al. 1991:133 [ref. 31367], Bauchot et al. 1993:93 [ref. 20810], Kottelat 1997:35 [ref. 22952]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

altirostris, Anguilla Kaup [J. J.] 1856:37, Pl. 4 (fig. 24) [Catalogue of the apodal fish in the collection of the British Museum; ref. 2573] Mouth of Seine River, France, La Manche/English Channel, northeastern Atlantic. Holotype (unique): MNHN 0000-3768. Type catalog: Bauchot et al. 1993:93 [ref. 20810]. Appeared first as name only in Kaup 1856:55 [ref. 2572]. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. 7185], Smith 1990:151 [ref. 13454], Tesch 1991:389 [ref. 24843], Kottelat 1997:35 [ref. 22952]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

ancidda, Anguilla Kaup [J. J.] 1856:37, Pl. 4 (fig. 22) [Catalogue of the apodal fish in the collection of the British Museum; ref. 2573] Sicily and Pergamont, Italy. Syntypes: MNHN 0000-3767 (1), 0000-3780 (1). Type catalog: Bauchot et al. 1993:93 [ref. 20810]. Appeared first as name only in Kaup 1856:55 [ref. 2572]. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. 7185], Smith 1990:151 [ref. 13454], Tesch 1991:389 [ref. 24843], Kottelat 1997:35 [ref. 22952]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

anguilla, Muraena Linnaeus [C.] 1758:245 [Systema Naturae, Ed. X v. 1; ref. 2787] Europe, Mediterranean Sea, Baltic Sea, northeastern Atlantic [original: "in Europa; maxima in lacu Cornachio Ferrariensi"]; localities include Sweden; England; Belgium; Germany; Poland; France; Ferrara and Rome, Italy; Lesbos Island, Greece; Syria. No types known. Originally spelled *angvilla*, also *angvilla* in Linnaeus 1766:426 [ref. 2786]. Neotype designated by Fricke 1999:19 [ref. 24101], but withdrawn in Fricke 2000:639 [ref. 24537]. Originally based on at least 34 pre-Linnaean sources including Artedi 1738:24 [ref. 30578], Artedi 1738:66 [ref. 30529] and Artedi 1738:39 [ref. 30349] as *Muraena unicolor*, *maxilla inferiore longiore*; Wootton 1552:148 [ref. 30584] as *Anguilla*, Rondelet 1555:198 [ref. 30378] as *Anguilla*, Salviani 1558:65, Pls. (p. 64, 66) [ref. 30229] as *Anguilla*, Charleton 1668:153 [ref. 30580] as *Anguilla*, Willughby 1686:109 [ref. 30164] and Ray 1713:37 [ref. 30231] as *Anguilla*. •Valid as *Anguilla anguilla* (Linnaeus 1758) -- (Ege 1939:90 [ref. 13172], Berg 1949:938 [ref. 20662], Blache et al. 1973:220 [ref. 7185], Dor 1984:26 [ref. 29757], Castle 1984:34 [ref. 6171], Bauchot in Whitehead et al. 1986:535 [ref. 13676], Okamura & Machida 1987:111 [ref. 22279], Lelek 1987:63 [ref. 22962], Scott & Scott 1988:79 [ref. 25518], McAllister 1990:46 [ref. 14674], Smith 1989:899 [ref. 13285], Smith 1990:151 [ref. 13454], Tesch 1991:389 [ref. 24843], Lévêque et al. 1991:133 [ref. 31367], Poll & Gosse 1995:83 [ref. 24781], Goren & Dor 1994:6 [ref. 25356], Coad 1995:7 [ref. 23608], Mrakovcic et al. 1995:183 [ref. 23079], Aoyama et al. 1996:374 [ref. 24707], Chereshevnev 1996:599 [ref. 24659], Coad 1996:84 [ref. 25304], Tagliavini et al. 1996:271 [ref. 25516], Bianco et al. 1996:55 [ref. 26724], Kottelat 1997:34 [ref. 22952], Santos et al. 1997:18 [ref. 23531], Arruda 1997:54 [ref. 24952], Reshetnikov et al. 1997:734 [ref. 24702], Bianco 1997:612 [ref. 26725], Reshetnikov 1998:54 [ref. 23570], Scott & Crossman 1998:624 [ref. 24570], Smith-Vaniz et al. 1999:128 [ref. 25013], Fricke 1999:18 [ref. 24101], Fuller et al. 1999:36 [ref. 25838], Azeroual et al. 2000:20 [ref. 25366], Huang et al. 2001:42 [ref. 25846], Bogutskaya et al. 2001:43 [ref. 26178], Bianco & Ketmaier 2001:194 [ref. 26728], Bilecenoglu et al. 2002:30 [ref. 26753], Dekker 2003:787 [ref. 27171], Hanel 2003:48 [ref. 27894], Seegers et al. 2003:30 [ref. 28087], Bogutskaya & Naseka 2004:28 [ref. 28183], Vassilev & Pehlivanov 2005:174 [ref. 28369], Hanel & Lusk 2005:182 [ref. 28804], Fricke 2007:25 [ref. 30577], Fricke et al. 2007:22 [ref. 29533], Kottelat & Freyhof 2007:61 [ref. 29996], Vasil'eva 2007:41 [ref. 30517], Ninua & Japoshvili 2008:164 [ref. 31251], Teng et al. 2009:817 [ref. 30569], Esmaeili et al. 2010:366 [ref. 33391], Mecklenburg et al. 2011:117 [ref. 31212], Page & Burr 2011:146 [ref. 31215], Parin et al. 2014:47 [ref. 33547]). **Current status:** Valid as *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Distribution: Western and eastern Atlantic, Baltic Sea, North Sea, White Sea, Mediterranean Sea, Black Sea, Sea of Marmara: European seas and adjacent watersheds, spawning and larval migration routes to and from the western Atlantic. Habitat: freshwater, brackish, marine.

bibroni, Anguilla Kaup [J. J.] 1856:54 [Archiv für Naturgeschichte v. 22 (no. 1); ref. 2572] Sicily, Italy. Syntypes: MNHN 0000-3760 (1), 0000-3779 (3). Type catalog: Bauchot et al. 1993:93 [ref. 20810]. Also in Kaup 1856:33, Pl. 3 (fig. 16) [ref. 2573]. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. 7185], Smith 1990:152 [ref. 13454], Tesch 1991:389 [ref. 24843], Kottelat 1997:35 [ref. 22952]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

brevirostris, Anguilla Cisternas [R.] 1877:108 [Anales de la Sociedad Española de Historia Natural, Madrid v. 6; ref. 14239] Valencia, Spain. No types known. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. 7185], Smith 1990:152 [ref. 13454], Tesch 1991:389 [ref. 24843], Kottelat 1997:36 [ref. 22952]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

brevirostris, Leptocephalus Kaup [J. J.] 1856:150, Pl. 18 (fig. 15) [Catalogue of the apodal fish in the collection of the British Museum; ref. 2573] Messina, Sicily, Italy, Mediterranean Sea. Holotype: MNHN 0000-2901. Possible types: BMNH 1860.9.31.4 (1), ZMB 4742 (1) Messina. Type catalog: Bertin 1935:100 [ref. 21550], Bauchot et al. 1993:120 [ref. 20810]. Subjectively invalid; secondarily preoccupied in *Anguilla* by *Anguilla brevirostris* Cisternas 1877. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. 7185], Smith 1989:899 [ref. 13285], Smith 1990:152 [ref. 13454], Tesch 1991:390 [ref. 24843], Kottelat 1997:36 [ref. 22952]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

caeca, *Anguilla* Smith [H. M.] 1904:121, Fig. 1 [Proceedings of the Biological Society of Washington v. 17; ref. 10233] Western Atlantic, 60 miles south of Noman's Land, Massachusetts, U.S.A. Holotype: USNM 51483 (lost). Type lost; unidentifiable (D. G. Smith, pers. Comm. 12/2000). Anguillidae. Habitat: marine.

callensis, *Anguilla* Guichenot [A.] 1850:111, Pl. 7 (fig. 1) [Histoire naturelle des reptiles et poissons; ref. 1940] La Calle, Algeria, western Mediterranean Sea. Syntypes: (10) MNHN 0000-3160 (5), 0000-3220 (1), 0000-3774 (4). Type catalog: Bauchot et al. 1993:93-94 [ref. 20810]. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. 7185], Castle 1984:34 [ref. 6171], Smith 1990:151 [ref. 13454], Tesch 1991:389 [ref. 24843], Kottelat 1997:35 [ref. 22952]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

canariensis, *Anguilla* Valenciennes [A.] 1843:88, Pl. 20 (fig. 1) [Ichthyologie des îles Canaries v. 2 (pt 2); ref. 4502] Tenerife, Canary Islands. Lectotype: MNHN 0000-3783. Paralectotypes: MNHN 0000-3784 (3). Type catalog: Bauchot et al. 1993:94 [ref. 20810] as holotype and paratypes, but no type was established originally. Lectotype designated by Eschmeyer 1998:316 [ref. 23416]. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:220 [ref. 7185], Castle 1984:34 [ref. 6171], Smith 1990:151 [ref. 13454], Kottelat 1997:35 [ref. 22952]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

cloacina, *Anguilla* Bonaparte [C. L.] 1846:38 [Atti della Settima Adunanza degli Scienziati Italiani Sesta Riunione, Milano 7a Adunanza, Napoli, Part 2; ref. 519] France. No types known. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:220 [ref. 7185], Smith 1990:151 [ref. 13454], Kottelat 1997:35 [ref. 22952]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

cuvieri, *Anguilla* Kaup [J. J.] 1856:54 [Archiv für Naturgeschichte v. 22 (no. 1); ref. 2572] Abbeville, France. Syntypes: MNHN 0000-3758 (2), 0000-3759 (7). Type catalog: Bauchot et al. 1993:94 [ref. 20810]. Also in Kaup 1856:33 [ref. 2573]. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Smith 1990:152 [ref. 13454], Tesch 1991:389 [ref. 24843], Kottelat 1997:35 [ref. 22952]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

eurystoma, *Anguilla* Heckel [J. J.] & Kner [R.] 1857:325, Fig. 168 [Die Süßwasserfische der Österreichischen Monarchie; ref. 2078] Dalmatia, Croatia, Adriatic Sea (Mediterranean Sea). Syntypes: (2) NMW 9284 (1). •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. 7185], Smith 1990:152 [ref. 13454], Tesch 1991:389 [ref. 24843], Kottelat 1997:36 [ref. 22952]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

fluviatilis, *Anguilla* Anslin [N.] 1828:226, Pl. 93 [Systematische Beschrijving der voor ons meest belangrijke visschen.; ref. 13455] •Unneeded new name for *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:220 [ref. 7185], Smith 1990:151 [ref. 13454], Kottelat 1997:35 [ref. 22952], Parin et al. 2014:47 [ref. 33547]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

fluviatilis, *Anguilla* Gistel [J.] 1848:104 [Naturgeschichte des Thierreichs; ref. 1822] Der Gauzen Erde. No types known. Perhaps not an original description. •Synonym of *Anguilla anguilla* (Linnaeus 1758). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

hibernica, *Anguilla* Couch [J.] 1865:328, Pl. 235 [The history of the fishes of the British islands v. 4; ref. 18055] Liffey River, Dublin, Ireland. No types known. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. 7185], Smith 1990:152 [ref. 13454], Tesch 1991:389 [ref. 24843], Kottelat 1997:36 [ref. 22952]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

kieneri, *Anguilla* Kaup [J. J.] 1856:54 [Archiv für Naturgeschichte v. 22 (no. 1); ref. 2572] Toulon, France, northwestern Mediterranean Sea. Holotype: MNHN 0000-3757. Type information: Bauchot et al. 1993:95 [ref. 20810]. Also in Kaup 1856:22, Fig. 15 [ref. 2573]. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. 7185], Smith 1990:152 [ref. 13454], Tesch 1991:389 [ref. 24843], Kottelat 1997:35 [ref. 22952]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

latirostris, *Anguilla* Risso [A.] 1827:199 [Histoire naturelle des principales productions de l'Europe méridionale v. 3; ref. 3757] Nice, France, northwestern Mediterranean Sea. Holotype (unique): MNHN (not found). •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:220 [ref. 7185], Castle 1984:34 [ref. 6171], Smith 1990:151 [ref. 13454], Tesch 1991:389 [ref. 24843], Kottelat 1997:35 [ref. 22952]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

linnei, *Anguilla* Malm [A. W.] 1877:590 [ref. 2881] Original as *Linnéi*. Unneeded replacement name for *Muraena anguilla* Linnaeus 1758 (to avoid "Strickland tautonymy"). Locality Sweden. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Kottelat 1997:36 [ref. 22952]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

marginata, *Anguilla* Kaup [J. J.] 1856:36, Pl. 4 (fig. 20) [Catalogue of the apodal fish in the collection of the British Museum; ref. 2573] Valencia, Spain. Holotype (unique): MNHN 0000-3765. Type catalog: Bauchot et al.

1993:95 [ref. 20810]. Appeared first as name only in Kaup 1856:55 [ref. 2572]. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. 7185], Smith 1990:152 [ref. 13454], Tesch 1991:389 [ref. 24843], Kottelat 1997:35 [ref. 22952]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

mediorostris, Anguilla Risso [A.] 1827:199 [Histoire naturelle des principales productions de l'Europe méridionale v. 3; ref. 3757] Nice, France, northwestern Mediterranean Sea. Holotype (unique): MNHN (not found). •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:220 [ref. 7185], Smith 1990:151 [ref. 13454], Tesch 1991:389 [ref. 24843], Kottelat 1997:35 [ref. 22952]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

melanochir, Anguilla Kaup [J. J.] 1856:35, Pl. 4 (fig. 19) [Catalogue of the apodal fish in the collection of the British Museum; ref. 2573] Tiber River, Italy. Holotype (unique): MNHN 0000-3764. Type catalog: Bauchot et al. 1993:96 [ref. 20810]. Appeared first as name only in Kaup 1856:55 [ref. 2572]. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. 7185], Smith 1990:152 [ref. 13454], Tesch 1991:389 [ref. 24843], Kottelat 1997:35 [ref. 22952]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

microptera, Anguilla Kaup [J. J.] 1856:36, Pl. 4 (fig. 21) [Catalogue of the apodal fish in the collection of the British Museum; ref. 2573] Bay of Algeciras, Spain, eastern Atlantic. Holotype (unique): MNHN 0000-3766. Type catalog: Bauchot et al. 1993:96 [ref. 20810]. Appeared first as name only in Kaup 1856:55 [ref. 2572]. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. 7185], Smith 1990:152 [ref. 13454], Tesch 1991:389 [ref. 24843], Kottelat 1997:35 [ref. 22952]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

migratoria, Anguilla Krøyer [H. N.] 1846:616 [Danmarks Fiske v. 3; ref. 2693] Denmark. No types known. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. 7185], Smith 1990:151 [ref. 13454], Tesch 1991:389 [ref. 24843], Kottelat 1997:35 [ref. 22952]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

morena, Anguilla Kaup [J. J.] 1856:35, Pl. 3 (fig. 18) [Catalogue of the apodal fish in the collection of the British Museum; ref. 2573] Naples, Italy, Mediterranean Sea. Holotype (unique): MNHN 0000-3763. Type catalog: Bauchot et al. 1993:96 [ref. 20810]. Appeared first as name only in Kaup 1856:55 [ref. 2572]. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. 7185], Smith 1990:152 [ref. 13454], Tesch 1991:389 [ref. 24843], Kottelat 1997:35 [ref. 22952]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

nilotica, Anguilla Heckel [J. J.] 1847:313 [Reisen in Europa, Asien und Africa v. 2 (pt 3); ref. 2068] Nile River, Egypt, North Africa. Syntypes: MNHN 0000-3769 to 0000-3771 (1, 1, 1). Type catalog: Bauchot et al. 1993:96 [ref. 20810] but with authorship as Kaup 1857. •Synonym of *Anguilla anguilla* (Linnaeus 1758) [sometimes with authorship as Kaup 1856 or 1857] -- (Blache et al. 1973:221 [ref. 7185], Castle 1984:34 [ref. 6171], Smith 1990:152 [ref. 13454], Tesch 1991:389 [ref. 24843], Kottelat 1997:35 [ref. 22952]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

oxyrhina, Muraena Ekström [C. U.] 1832:287 [Kungliga Svenska Vetenskapsakademiens handlingar.; ref. 13467] Mörkö Island, near Stockholm, Sweden. No types known. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:220 [ref. 7185], Smith 1990:151 [ref. 13454], Tesch 1991:390 [ref. 24843], Kottelat 1997:35 [ref. 22952]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

platycephala, Anguilla Kaup [J. J.] 1856:38, Pl. 5 (fig. 25) [Catalogue of the apodal fish in the collection of the British Museum; ref. 2573] Abbeville, France. Syntypes: MNHN 0000-3210 (1), 0000-5707 (now 4). Type catalog: Bauchot et al. 1993:97 [ref. 20810] with 3210 as holotype. Appeared first as name only in Kaup 1856:55 [ref. 2572]. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. 7185], Smith 1990:152 [ref. 13454], Tesch 1991:389 [ref. 24843] as *platycephalo*, Kottelat 1997:35 [ref. 22952]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

platyrhina, Muraena Ekström [C. U.] 1832:287 [Kungliga Svenska Vetenskapsakademiens handlingar.; ref. 13467] Mörkö Island, near Stockholm, Sweden. No types known. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:220 [ref. 7185], Smith 1990:151 [ref. 13454], Tesch 1991:390 [ref. 24843], Kottelat 1997:35 [ref. 22952]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

platyrhynchus, Anguilla Costa [O. G.] 1850:Anguilla p. 50, Pls. 58, 60 (figs. 3a, 3b) [Fauna del regno di Napoli Part 1; ref. 976] Lake Ligola, Italy. Syntypes: whereabouts unknown. Published 10 July 1850. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:221 [ref. 7185], Smith 1990:151 [ref. 13454], Tesch 1991:389 [ref. 24843], Kottelat 1997:35 [ref. 22952]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

savignyi, Anguilla Kaup [J. J.] 1856:55 [Archiv für Naturgeschichte v. 22 (no. 1); ref. 2572] [Napoli] Naples, Italy, Mediterranean Sea. Holotype: MNHN 0000-3131 [?3731]. Type catalog: Bauchot et al. 1993:97 [ref. 20810]. Also in Kaup 1856:34 [ref. 2573]. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al.

1973:221 [ref. 7185], Smith 1990:152 [ref. 13454], Tesch 1991:390 [ref. 24843], Kottelat 1997:35 [ref. 22952]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

vulgaris, Anguilla Shaw [G.] 1803:15 [General zoology or systematic natural history v. 4; ref. 4014] No locality. No types known. Neotype designated by Fricke 1999:18 [ref. 24101], but withdrawn in Fricke 2000:639 [ref. 24537]. Based in part on *Muraena anguilla* Linnaeus 1758. •Synonym of *Anguilla anguilla* (Linnaeus 1758) -- (Blache et al. 1973:220 [ref. 7185], Castle 1984:34 [ref. 6171], Smith 1990:151 [ref. 13454], Lévêque et al. 1991:133 [ref. 31367], Kottelat 1997:35 [ref. 22952], Fricke 1999:18 [ref. 24101], Bilecenoglu et al. 2002:30 [ref. 26753], Zhang et al. 2010:177 [ref. 31511]). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

vulgaris, Anguilla Rafinesque [C. S.] 1810:37 [Indice d'ittologia siciliana; ref. 3595] Sicily, Italy, Mediterranean Sea. New name for *Muraena anguilla* Linnaeus 1758. •Synonym of *Anguilla anguilla* (Linnaeus 1758). **Current status:** Synonym of *Anguilla anguilla* (Linnaeus 1758). Anguillidae. Habitat: freshwater, brackish, marine.

CYPRINIFORMES

Catostomidae

Chasmistes cujus COPE, 1883

cujus, Chasmistes Cope [E. D.] 1883:149 [Proceedings of the Academy of Natural Sciences of Philadelphia v. 35; ref. 951] Pyramid Lake, Washoe County, Nevada, U.S.A. Holotype (unique): ANSP 20523. Type catalog: Böhlke 1984:35 [ref. 13621], Gilbert 1998:179 [ref. 23395]. •Valid as *Chasmistes cujus* Cope 1883 -- (Lee et al. 1980:394 [ref. 22416], Page & Burr 1991:168 [ref. 18983], La Rivers 1994:363 [ref. 23389], Gilbert 1998:179 [ref. 23395], Nelson et al. 2004:79 [ref. 27807], Scharpf 2006:8 [ref. 30386], Page & Burr 2011:306 [ref. 31215], Page et al. 2013:79 [ref. 32708]). **Current status:** Valid as *Chasmistes cujus* Cope 1883. Catostomidae. Distribution: Nevada, U.S.A. Habitat: freshwater.

Cyprinidae

Caecobarbus geertsii BOULENGER, 1921

geertsii, Caecobarbus Boulenger [G. A.] 1921:252, Fig. [Revue Zoologique Africaine v. 9 (pt 3); ref. 588] Grotto at Thysville, tributary of Kwilu River, itself a tributary to lower Congo River, Democratic Republic of Congo, 5°15'S, 14°52'E, elevation 700 meters. Syntypes: (4) BMNH (1), MRAC 14610-12 (3). •Valid as *Caecobarbus geertsii* Boulenger 1921 -- (Lévêque & Daget 1984:298 [ref. 6186], Poll & Gosse 1995:159 [ref. 24781], Romero & Paulson 2001:16 [ref. 26040], Proudlove & Romero 2001:238 [ref. 26396], Proudlove 2006:57 [ref. 28992]). **Current status:** Valid as *Caecobarbus geertsii* Boulenger 1921. Cyprinidae: No subfamily. Distribution: Congo River system, Central Africa. Habitat: freshwater.

Probarbus jullieni SAUVAGE, 1880

jullieni, Cyclocheilichthys Sauvage [H.-E.] 1880:230 [20] [Bulletin de la Société philomathique de Paris (7th Série) v. 4; ref. 3889] Laos. Neotype: MNHN 0000-9647. Syntypes: MNHN (2) lost. On p. 20 of separate. Neotype designated by Kottelat 2000:86 [ref. 25486]. •Tentatively a synonym of *Probarbus jullieni* Sauvage 1880 [p. 232] -- (Kottelat 1984:801 [ref. 11440], Rainboth 1996:83 [ref. 22772]). •Objective synonym of *Probarbus jullinei* (Sauvage 1880) [p. 232] after neotype designation -- (Kottelat 2000:85 [ref. 25486], Kottelat 2013:145 [ref. 32989]). **Current status:** Synonym of *Probarbus jullieni* Sauvage 1880. Cyprinidae: No subfamily. Habitat: freshwater, brackish.

jullieni, Probarbus Sauvage [H.-E.] 1880:232 [22] [Bulletin de la Société philomathique de Paris (7th Série) v. 4; ref. 3889] Laos. Lectotype: MNHN 0000-9647 (1 of 2, 268 mm SL). Paralectotypes: MNHN 0000-9647 (1 of 2), A-4453 (1), A-6261 (1). Type catalog: Bertin & Estève 1948:21 [ref. 19574]. Lectotype designated by Kottelat 1984:804 [ref. 11440]. On p. 22 of separate. •Valid as *Probarbus jullieni* Sauvage 1880 -- (Kottelat

1984:804 [ref. 11440], Roberts 1992:41 [ref. 14387], Rainboth 1996:83 [ref. 22772], Doi 1997:10 [ref. 22832], Kottelat 2001:71 [ref. 25780], Kottelat 2013:145 [ref. 32989]). **Current status:** Valid as *Probarbus jullieni* Sauvage 1880. Cyprinidae: No subfamily. Distribution: Southeastern Asia. Habitat: freshwater, brackish.

pahangensis, Barbus Duncker [G.] 1904:179, Pl. 1 (fig. 4) [Mitteilungen aus dem Naturhistorischen (Zoologischen) Museum in Hamburg v. 21; ref. 5560] Pahang River above Kuala Kitchal, 88-120 kilometers above river mouth, Pahang, Malaysia. Lectotype: ZMH H362. Paralectotypes: BMNH 1905.5.6.11-13 [ex SSMKL] (3), ZMA 103213 (2), ZMH H363 (7), ZRC 914 (1). Type catalog: Ladiges et al. 1958:158 [ref. 19181], Alfred 1963:165 [ref. 20555], Alfred 1970:70 [ref. 23931], Nijssen et al. 1982:27 [ref. 19236], Wilkens & Dohse 1993:402 [ref. 21161] as syntypes. Lectotype designated by Ladiges et al. 1958:158 [ref. 19181]. •Synonym of *Probarbus jullieni* Sauvage 1880 -- (Roberts 1992:41 [ref. 14387] Kottelat 2013:145 [ref. 32989]). **Current status:** Synonym of *Probarbus jullieni* Sauvage 1880. Cyprinidae: No subfamily. Habitat: freshwater, brackish.

OSTEOGLOSSIFORMES

Arapaimidae

Arapaima gigas (CUVIER, 1829)

arapaima, Vastres Valenciennes [A.] In Cuvier & Valenciennes 1847:461 [Histoire naturelle des poissons v. 19; ref. 4883] Rupununi River, British Guiana, South America. Syntypes: BMNH 2009.1.19.1 (1, dried and stuffed) Based on the description of *Sudis gigas* in Schomn (1841:198, Pl. 11). •Valid as *Arapaima arapaima* (Valenciennes 1847) -- (Stewart 2013:38 [ref. 32556] as 1947, Stewart 2013:471 [ref. 32923]). •Synonym of *Arapaima gigas* (Schinz 1822) -- (Ferraris in Reis et al. 2003:31 [ref. 27061], Kottelat 2013:471 [ref. 32923]). **Current status:** Valid as *Arapaima gigas* (Schinz 1822). Arapaimidae. Distribution: British Guiana. Habitat: freshwater.

cuvieri, Vastres Valenciennes [A.] in Cuvier & Valenciennes 1847:441, Pls. 579-580 [not 545-546] [Histoire naturelle des poissons v. 19; ref. 4883] Pará state, Brazil. Holotype: MNHN A-8837. •Synonym of *Arapaima gigas* (Schinz 1822) -- (Ferraris in Reis et al. 2003:31 [ref. 27061], Stewart 2013:38 [ref. 32556]). **Current status:** Synonym of *Arapaima gigas* (Schinz 1822). Arapaimidae. Habitat: freshwater.

gigas, Sudis Schinz [H. R.] (ex Cuvier) 1822:305 [Das Thierreich v. 2; ref. 3926] Brazil. Holotype: MNHN A-8837. Based on Cuvier, Regne Animal, pl. X. •Valid as *Clupisudis gigas* (Schinz 1822) -- (Daget 1968:1058 [ref. 26392] with author as Schinz in Cuvier). •Valid as *Arapaima gigas* (Schinz 1822) -- (Ortega & Vari 1986:6 [ref. 9708], Lundberg & Chernoff 1992:2 [ref. 25493], Ferraris in Reis et al. 2003:31 [ref. 27061], Stewart 2013:38 [ref. 32556], Stewart 2013:471 [ref. 32923], Kottelat 2013:31 [ref. 32989], Stewart 2013:474 [ref. 32923]). **Current status:** Valid as *Arapaima gigas* (Schinz 1822). Arapaimidae. Distribution: Amazon River basin, South America. Habitat: freshwater.

gigas, Sudis Cuvier [G.] 1829:328 [Le Règne Animal (Edition 2) v. 2; ref. 995] Brazil. Holotype (unique): MNHN A-8837 (dry). Type catalog: Bertin 1940:271 [ref. 293]. As "*Sudis gigas*, n. *S. pirarucu*, Spix, xvi." See *Sudis gigas* Schinz 1822. •Synonym of *Arapaima gigas* (Cuvier 1829) -- (Neves 1998:33 [ref. 24993], Chen 2002:292 [ref. 26587]). **Current status:** Synonym of *Arapaima gigas* (Schinz 1822). Arapaimidae. Distribution: Amazon River basin: Brazil, Colombia, Ecuador, Guyana (?) and Peru. Habitat: freshwater.

Osteoglossidae

Scleropages formosus (MÜLLER & SCHLEGEL, 1840)

aureus, Scleropages Pouyaud [L.], Sudarto [no initial] & Teugels [G. G.] 2003:298, Figs. 10, 11A-B [Cybium v. 27 (no. 4); ref. 27527] Pekanbaru market, wild specimen from Siak River, Sumatra, Indonesia. Holotype: MZB 11906. Paratypes: MZB 11907-11 (5) •Valid as *Scleropages aureus* Pouyaud, Sudarto & Teugels 2003. •See Kottelat & Widjanarti 2005:145 [ref. 28284]. •Synonym of *Scleropages formosus* (Müller & Schlegel 1840) -- (Roberts 2012:114 [ref. 31952], Kottelat 2013:30 [ref. 32989] with question). **Current status:** Synonym of *Scleropages formosus* (Müller & Schlegel 1840). Osteoglossidae. Distribution: Indonesia [if valid]. Habitat: freshwater.

formosum, Osteoglossum Müller [S.] & Schlegel [H.] 1840:7, Pl. 1 [Verhandelingen over de natuurlijke geschiedenis der Nederlandsche overzeesche bezittingen / door de Leden der Natuurkundige Commissie in Indië en andere schrijvers; uitgegeven ... door C. J. Temminck No. 2; ref. [19739](#)] Lake Mahoeroenge, a small lake connected by a narrow canal to the river Pekoempai, Borneo. Lectotype: RMNH.PISC 3386a. Paralectotypes: RMNH. PISC, D.1646 (2), 3386b (1), SK.366 (1); BMNH 1846.2.16.34 (1). Authorship sometimes seen as Schlegel & Müller in Müller & Schlegel. Neotype designated by Pouyaud (MZB 11877) not needed, as types were reported by van Oijen and van der Meij 2013. Date changed to 1840 (July 2013). Lectotype selected by van Oijen and van der Meij 2013:370 [ref. [32950](#)]. •Valid as *Scleropages formosus* (Müller & Schlegel 1840) -- (Roberts 1989:23 [ref. [6439](#)], Lim et al. 1990:34 [ref. [16753](#)], Kottelat et al. 1993:3 [ref. [23448](#)], Kottelat & Lim 1995:228 [ref. [23210](#)], Rainboth 1996:55 [ref. [22772](#)], Ng & Tan 1999:352 [ref. [24159](#)], Allen et al. 2002:57 [ref. [25930](#)], Chen 2002:290 [ref. [26587](#)], Pouyaud et al. 2003:294 [ref. [27527](#)], Kottelat & Widjanarti 2005:145 [ref. [28284](#)], Parenti & Lim 2005:178 [ref. [28285](#)], Roberts 2012:114 [ref. [31952](#)], van Oijen & van der Meij 2013:361 [ref. [32950](#)], Kottelat 2013:30 [ref. [32989](#)]). **Current status:** Valid as *Scleropages formosus* (Müller & Schlegel 1840). Osteoglossidae. Distribution: Southeastern Asia. Habitat: freshwater.

legendrei, Scleropages Pouyaud [L.], Sudarto [no initial] & Teugels [G. G.] 2003:300, Fig. 12, 13 A-C [Cybium v. 27 (no. 4); ref. [27527](#)] Semitau, area of Sentarum Lake, West Borneo, Indonesia. Holotype: MZB 11912. Paratypes: MZB 11913 (1), 11914-15 (2), 11916-17 (2). •Valid as *Scleropages legendrei* Pouyaud, Sudarto & Teugels 2003 -- (Parenti & Lim 2005:178 [ref. [28285](#)]). •See Kottelat & Widjanarti 2005:145 [ref. [28284](#)]. •Synonym of *Scleropages formosus* (Müller & Schlegel 1840) -- (Roberts 2012:114 [ref. [31952](#)], Kottelat 2013:30 [ref. [32989](#)] with question). **Current status:** Synonym of *Scleropages formosus* (Müller & Schlegel 1840). Osteoglossidae. Distribution: Small forested lakes bordering Sentarum Lake in upper part of Kapuas River, West Borneo, Indonesia [if valid]. Habitat: freshwater.

macrocephalus, Scleropages Pouyaud [L.], Sudarto [no initial] & Teugels [G. G.] 2003:296, Figs. 8, 9A-B [Cybium v. 27 (no. 4); ref. [27527](#)] Nango Pinoh market, wild specimen from Melawi River, West Kalimantan [Borneo], Indonesia. Holotype: MCZ 11989. Paratypes: MZB 11899 (1), 11900-02 (3), 11903-05 (3). •Valid as *Scleropages macrocephalus* Pouyaud, Sudarto & Teugels 2003 -- (Parenti & Lim 2005:178 [ref. [28285](#)]). •See Kottelat & Widjanarti 2005:145 [ref. [28284](#)]. •Synonym of *Scleropages formosus* (Müller & Schlegel 1840) -- (Roberts 2012:115 [ref. [31952](#)], Kottelat 2013:30 [ref. [32989](#)] with question). **Current status:** Synonym of *Scleropages formosus* (Müller & Schlegel 1840). Osteoglossidae. Distribution: Barito River and West Borneo [if valid]. Habitat: freshwater.

***Scleropages inscriptus* ROBERTS, 2012**

inscriptus, Scleropages Roberts [T. R.] 2012:115, Figs. 1-2 [aqua, International Journal of Ichthyology v. 18 (no. 2); ref. [31952](#)] Supposedly from Tananthayi district, Tananthayi River basin, obtained dead from aquarium fish vendor at Meik. Holotype: THNHM-F-01521. Paratypes: THNHM-F-01522 (1). •Valid as *Scleropages inscriptus* Roberts 2012 -- (Kottelat 2013:31 [ref. [32989](#)]). **Current status:** Valid as *Scleropages inscriptus* Roberts 2012. Osteoglossidae. Distribution: Myanmar. Habitat: freshwater.

PERCIFORMES

Apogonidae

***Pterapogon kauderni* KOUMANS, 1933**

NC comment: listed by EC-Regulation 338/97 only and not by CITES

kauderni, Pterapogon Koumans [F. P.] 1933:78, Pl. 1 (fig. 2) [Zoologische Mededelingen (Leiden) v. 16 (no. 1-2); ref. [2673](#)] Banggai, eastern Sulawesi, Indonesia, near shore. Syntypes: RMNH 17003 (2). •Valid as *Pterapogon kauderni* Koumans 1933 -- (Allen & Steene 1995:7 [ref. [22736](#)], Allen 1997:106 [ref. [23977](#)], Allen 1999:2609 [ref. [24812](#)], Allen 2000:142 [ref. [25748](#)], Allen & Adrim 2003:37 [ref. [26830](#)], Kimura et al. in Kimura & Matsuura 2003:70 [ref. [27510](#)], Allen & Erdmann 2012:410 [ref. [31980](#)], Mabuchi et al. 2014:202 [ref. [33426](#)]). **Current status:** Valid as *Pterapogon kauderni* Koumans 1933. Apogonidae: Apogoninae. Distribution: Sulawesi (Indonesia); introduced elsewhere. Habitat: marine.

Labridae

Cheilinus undulatus RÜPPEL, 1835

godeffroyi, *Chilinus* Günther [A.] 1872:666, Pl. 66 [Proceedings of the Zoological Society of London 1871 (pt 3); ref. 1997] Tonga Islands. Holotype (unique): BMNH 1871.9.13.96. Original genus should have been *Cheilinus*. •Synonym of *Cheilinus undulatus* Rüppell 1835 -- (Parenti & Randall 2000:9 [ref. 24943], Parenti & Randall 2000:58 [ref. 24943]). **Current status:** Synonym of *Cheilinus undulatus* Rüppell 1835. Labridae. Habitat: marine.

mertensii, *Cheilinus* Valenciennes [A.] in Cuvier & Valenciennes 1840:102 [Histoire naturelle des poissons v. 14; ref. 4882] Guam, Mariana Islands, western Pacific. No types known. Type catalog: Bauchot 1963:18 [ref. 19171]. Based on a drawing. •Synonym of *Cheilinus undulatus* Rüppell 1835 -- (Parenti & Randall 2000:9 [ref. 24943]). **Current status:** Synonym of *Cheilinus undulatus* Rüppell 1835. Labridae. Habitat: marine.

rostratus, *Cheilinus* Cartier [O.] 1874:103 [Verhandlungen der Physikalisch-medizinischen Gesellschaft zu Würzburg, N. S. v. 5; ref. 17974] Cebu, Philippines. Syntypes: (2) whereabouts unknown. •Synonym of *Oxycheilinus celebicus* (Bleeker 1853). •Synonym of *Cheilinus undulatus* Rüppell 1835 -- (Parenti & Randall 2000:9 [ref. 24943]). **Current status:** Synonym of *Cheilinus undulatus* Rüppell 1835. Labridae. Habitat: marine.

undulatus, Cheilinus Rüppell [W. P. E. S.] 1835:20, Pl. 6 (fig. 2) [Neue Wirbelthiere zu der Fauna von Abyssinien gehörig. Fische des Rothen Meeres; ref. 3844] Jeddah, Saudi Arabia, Red Sea. Holotype (unique): SMF 2733. •Valid as *Cheilinus undulatus* Rüppell 1835 -- (Dor 1984:199 [ref. 29757], Yamakawa in Masuda et al. 1984:213 [ref. 6441], Randall 1986:690 [ref. 5706], Winterbottom et al. 1989:52 [ref. 13251], Randall et al. 1990:304 [ref. 15987], Goren & Dor 1994:53 [ref. 25356], Mohsin & Ambak 1996:477 [ref. 27969], Allen 1997:180 [ref. 23977], Randall et al. 1997:304 [ref. 25919], Myers 1999:190 [ref. 23965], Fricke 1999:403 [ref. 24106], Randall 1999:21 [ref. 25829], Parenti & Randall 2000:9 [ref. 24943], Westneat in Randall & Lim 2000:628 [ref. 25122], Nakabo 2000:1007 [ref. 25182], Laboute & Grandperrin 2000:353 [ref. 25191], Sadovy & Cornish 2000:200 [ref. 25480], Allen 2000:112 [ref. 25868], Hutchins 2001:268 [ref. 25841], Hutchins 2001:39 [ref. 25847], Westneat 2001:3416 [ref. 26277], Nakabo 2002:1007 [ref. 26193], Allen & Adrim 2003:48 [ref. 26830], Manilo & Bogorodsky 2003:S114 [ref. 27377], Myers & Donaldson 2003:634 [ref. 27495], Lobel & Lobel 2004:73 [ref. 27576], Randall et al. 2004:21 [ref. 27624], Randall 2005:398 [ref. 28239], Mundy 2005:434 [ref. 28379], Allen et al. 2006:1377 [ref. 29095], Randall 2007:324 [ref. 30952], Fricke et al. 2009:84 [ref. 30213], Motomura et al. 2010:161 [ref. 31256], Allen & Erdmann 2012:643 [ref. 31980], Fricke et al. 2013:266 [ref. 32706]). **Current status:** Valid as *Cheilinus undulatus* Rüppell 1835. Labridae. Distribution: Red Sea, Indo-West Pacific: East Africa, Mozambique Channel, Madagascar and Mascarenes east to Tuamotu Archipelago, north to Ryukyu Islands and southern Japan, south to Australia and New Caledonia; waifs at Hawaiian Islands. Habitat: marine.

Sciaenidae

Totoaba macdonaldi (GILBERT, 1890)

macdonaldi, Cynoscion Gilbert [C. H.] 1890:64 [Proceedings of the United States National Museum v. 13 (no. 797); ref. 1623] Eastern shore of Gulf of California and near the mouth of Colorado River, northern Gulf of California, Mexico. Syntypes: USNM 43082 (1). •Valid as *Totoaba macdonaldi* (Gilbert 1890) -- (Allen & Robertson 1994:169 [ref. 22193], Chao in Fischer et al. 1995:1511 [ref. 22830], Castro-Aguirre et al. 1999:358 [ref. 24550], Fuller et al. 1999:410 [ref. 25838], Musick 2000:18 [ref. 24959], Thomson et al. 2000:293 [ref. 25640], Chao 2002:8 [ref. 26250], Nelson et al. 2004:148 [ref. 27807], Minckley & Marsh 2009:303 [ref. 31114], Page et al. 2013:153 [ref. 32708]). **Current status:** Valid as *Totoaba macdonaldi* (Gilbert 1890). Sciaenidae. Distribution: Eastern Pacific: Sea of Cortez, Mexico. Habitat: brackish, marine.

SILURIFORMES

Pangasiidae

***Pangasianodon gigas* CHEVEY, 1931**

gigas*, *Pangasianodon Chevey [P.] 1931:538, Figs. 1-2 [Bulletin de la Société Zoologique de France v. 55 (no. 7) (1930); ref. [830](#)] Laos [original locality: Mekong River system, Pnom-Penh, Cambodia]. Neotype: MNHN A-8832 (dry). Type catalog: Ferraris 2007:325 [ref. [29155](#)]. Neotype selected by Gustiano 2003:56 [ref. [31337](#)]. •Valid as *Pangasius gigas* (Chevey 1931) -- (Roberts & Vidthayanon 1991:116 [ref. [19239](#)], Pouyaud et al. 1999:249 [ref. [24245](#)], Pouyaud & Teugels 2000:197 [ref. [25066](#)]). •Valid as *Pangasianodon gigas* Chevey 1931 -- (Burgess 1989:105 [ref. [12860](#)], Rainboth 1996:153 [ref. [22772](#)], Kottelat 2001:130 [ref. [25780](#)], Hogan et al. 2002:269 [ref. [26208](#)], Gustiano 2003:55 [ref. [31337](#)], Hogan et al. 2004:228 [ref. [27683](#)], Ferraris 2007:325 [ref. [29155](#)], Kottelat 2013:254 [ref. [32989](#)]). **Current status:** Valid as *Pangasianodon gigas* Chevey 1931. Pangasiidae. Distribution: Mekong River basin, southeastern Asia; stocked in various reservoirs in Thailand. Habitat: freshwater.

paucidens*, *Pangasius Fang [P.-W.] & Chaux [J.] in Chaux & Fang 1949:344, Fig. 6 [Bulletin du Muséum National d'Histoire Naturelle (Série 2) v. 21 (no. 3); ref. [18875](#)] Cambodia. Holotype (unique): MNHN 1966-0730. Type catalog: Ferraris 2007:325 [ref. [29155](#)]. •Mention -- (Kottelat 1984:815 [ref. [11440](#)]). •Synonym of *Pangasius gigas* (Chevey 1931) -- (Roberts & Vidthayanon 1991:116 [ref. [19239](#)]). •Synonym of *Pangasianodon gigas* Chevey 1931 -- (Gustiano 2003:55 [ref. [31337](#)], Ferraris 2007:325 [ref. [29155](#)], Kottelat 2013:254 [ref. [32989](#)]). **Current status:** Synonym of *Pangasianodon gigas* Chevey 1931. Pangasiidae. Habitat: freshwater.

COELACANTHI

Coelacanthiformes

Latimeriidae

***Latimeria chalumnae* SMITH, 1939**

anjouanae*, *Malania Smith [J. L. B.] 1953:100 [Nature (London) v. 171 (no. 4342); ref. [4088](#)] Comoro Islands, western Indian Ocean. Holotype (unique): SAIAB [formerly RUSI] 600. Specimen parts: USNM 163126 (2 scales). Possibly appeared first in Time Magazine, v. 61 (no. 2) dated 12 Jan. 1953; Nature dated 17 Jan. 1953. •Synonym of *Latimeria chalumnae* Smith 1939. **Current status:** Synonym of *Latimeria chalumnae* Smith 1939. Latimeriidae. Habitat: marine.

chalumnae*, *Latimeria Smith [J. L. B.] 1939:455 [Nature (London) v. 143; ref. [4068](#)] Western Indian Ocean: west of East London, Cape Colony, South Africa, depth 40 fathoms. Holotype: East London Mus. Specimen parts: USNM 112258 (scales). •Valid as *Latimeria chalumnae* Smith 1939 -- (Heemstra in Smith & Heemstra 1995:151 [ref. [21953](#)], Bruton 1995:104 [ref. [22132](#)], Heemstra et al. 1996:150 [ref. [25940](#)], Springer 1999:453 [ref. [24816](#)], Holder et al. 1999:12616 [ref. [25259](#)], Heemstra & Heemstra 2004:93 [ref. [28072](#)]). **Current status:** Valid as *Latimeria chalumnae* Smith 1939. Latimeriidae. Distribution: Comoros, South Africa, Kenya, Madagascar and Mozambique. Habitat: marine.

***Latimeria menadoensis* POUYAUD, WIRJOATMODJO, RACHMATIKA, TJAKRAWIDJAJA, HADIATY & HADIE, 1999**

menadoensis*, *Latimeria Pouyaud [L.], Wirjoatmodjo [S.], Rachmatika [I.], Tjakrawidjaja [A.], Hadiaty [R.] & Hadie [W.] 1999:266, Fig. [Comptes rendus de l'Académie des Sciences. Série 3, Sciences de la vie = Life Sciences Paris (Elsevier) No. 322; ref. [23788](#)] Menadotua Island, Sulawesi, Indonesia. Holotype (unique): LBN [Mus. Bogoriense Zool., Cibinog]. •Valid as *Latimeria menadoensis* Pouyaud, Wirjoatmodjo, Rachmatika, Tjakrawidjaja, Hadiaty & Hadie 1999 -- (Holder et al. 1999:12616 [ref. [25259](#)], Jewett 2001:3969 [ref. [26320](#)]). **Current status:** Valid as *Latimeria menadoensis* Pouyaud, Wirjoatmodjo, Rachmatika, Tjakrawidjaja, Hadiaty & Hadie 1999. Latimeriidae. Distribution: Indonesia. Habitat: marine.

DIPNEUSTI

CERATODONTIFORMES

Neoceratodontidae

***Neoceratodus forsteri* (KREFFT, 1870)**

blanchardi*, *Neoceratodus Castelnau [F. L.] 1876:133 [Journal de Zoologie v. 5; ref. 760] Fitzroy River, Queensland, Australia. Holotype (unique): MNHN A-0419. Type catalog: Bertin 1940:246 [ref. 293]. •Synonym of *Neoceratodus forsteri* (Krefft 1870) -- (Paxton et al. 1989:102 [ref. 12442], Allen & Cross 2006:213 [ref. 29003], Kemp 1997:720 [ref. 31059]). **Current status:** Synonym of *Neoceratodus forsteri* (Krefft 1870). Neoceratodontidae. Habitat: freshwater.

forsteri*, *Ceratodus Krefft [J. L. G.] 1870:65, col. 5, Fig. 1-3 [Sydney Morning Herald [newspaper] 18 Jan. 1870; ref. 18433] Wide-Bay District, Queensland, Australia. No types known. Description also appeared in Krefft 1870:221 [ref. 18434]. •Valid as *Neoceratodus forsteri* (Krefft 1870) -- (Paxton et al. 1989:102 [ref. 12442], Kemp 1995 [ref. 22139], Unmack 2001:1060 [ref. 25797], Allen et al. 2002:55 [ref. 25930], Allen & Cross 2006:212 [ref. 29003], Kemp 1997:720 [ref. 31059]). **Current status:** Valid as *Neoceratodus forsteri* (Krefft 1870). Neoceratodontidae. Distribution: Australia. Habitat: freshwater.

miolepis*, *Ceratodus Günther [A.] 1871:222 [1] [Annals and Magazine of Natural History (Series 4) v. 7 (no. 39); ref. 19154] Mary River, Queensland, Australia. Possible type or Günther specimen: AMS A.14079 (1). Also appeared in Günther 1871:377 [ref. 19155] and in more detail in Günther 1872 [ref. 19153]. •Synonym of *Neoceratodus forsteri* (Krefft 1870) -- (Paxton et al. 1989:102 [ref. 12442], Allen & Cross 2006:212 [ref. 29003], Kemp 1997:720 [ref. 31059]). **Current status:** Synonym of *Neoceratodus forsteri* (Krefft 1870). Neoceratodontidae. Habitat: freshwater.