



Checklist of the coral fish fauna of Xisha Islands, China

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Abstract

Background

The Xisha Islands are composed of the Yongle Islands and the Xuande Islands in Hainan Province, China. It has one of the highest species diversity in the world and is also a typical oceanic distribution area of coral reefs globally. The ichthyofauna of the Xisha Islands were recorded by underwater visual census in May 2019 and July 2020. The survey data were combined with previous records of species into the checklist of the Xisha Islands presented herein. A total of 691 species, belonging to 24 orders and 97 families, was recorded. The major families were Labridae, Pomacentridae, Serranidae, Chaetodontidae, Hexanchidae, Lutjanidae, Scaridae, Gobiidae, Scorpaenidae and Carangidae. In this study, the Coral Fish Diversity Index (CFDI) of six families (Chaetodontidae, Pomacanthidae, Pomacentridae, Labridae, Scaridae and Acanthuridae) was 229, indicating 756 coral fishes. In terms of the IUCN Red List, one species is Critically Endangered (*Glyphis gangeticus*), six species are Endangered (*Stegostoma fasciatum*, *Aetomylaeus maculatus*, *Aetomylaeus vespertilio*, *Epinephelus akaara*, *Cheilinusundulatus* sp. and *Xiphias gladius*), 16 species are Vulnerable, and 13 species are Near Threatened in the Xisha Archipelago, so conservation should be strengthened in this area in the future.

New information

One species is a new record for China (*Dischistodus pseudochrysopeecilus*) and 23 species are newly found in the Xisha Islands.

Keywords

Ichthyofauna, Coral Fish Diversity Index (CFDI), Xisha Islands, newly-recorded species

Introduction

The Xisha Archipelago is in the midwest of the South China Sea and it is at the northern margin of the Coral Triangle, which has the highest biodiversity in the world (Allen 2008). The Xisha Islands comprise the Yongle Islands and the Xuande Islands and begins in the north from the Beijiao Atoll and ends at the Songtao Bank in the south; Xidu Bank is in the east and Zhongjian Island in the west. Altogether, there are 29 islands, sandbars and four atolls.

The coral reefs of the Xisha Islands are the oldest and most primitive in China. It is also the birthplace of the coral reef ecosystem in the coastal areas of China (Huang et al. 2020). The Xisha Coral Reef Ecological Monitoring Zone was established in 2005 by the State Oceanic Administration of China to monitor and assess the health of coral reefs. The coral reef coverage declined from 53.8% in 2007 to 5.44% in 2016, due to anthropogenic activities, outbreak of crown-of-thorns starfish, coral diseases, typhoons and global warming (Li et al. 2017).

Several studies have focused on the fishes in the Xisha Islands. For example, 261 species belonging to 48 families of coral reef fishes were found in Beijiao Atoll, Yongxing Island, Huaguang Atoll and five other islands by gillnet and angling (Sun et al. 2004). A total of 146 species belonging to 31 families of fish was reported from the main reefs in Xisha Islands by bottom gillnet (Wang et al. 2011). There were 119 species belonging to 73 genera and 30 families of coral reef fish species reported in the Xisha Islands by underwater visual censuses and 643 species were recorded in combination with other previous studies (Gao et al. 2014). However, several new studies have been published. For example, in Zhaoshu Island, a total of 58 coral reef fish species was recorded, belonging to one class, three orders, 18 families and 37 genera by underwater visual censuses (Yang et al. 2018). The diversity of reef fishes declined from 3.10/m² in 2005 to 1.23/m² in 2013, due to reef degradation and overfishing (Li et al. 2017). The fish list of the Xisha Islands remains incomplete and taxonomic revisions are urgently needed to provide scientific support for follow-up research and protection of reef fishes in the Xisha Islands, especially against the background of intense human activity and rapid global change.

Materials and methods

In May 2019 and July 2020, a total of 27 sites in the Xisha Islands (Fig. 1) was investigated by underwater visual censuses and more than 50 dives were performed, using a Canon 5D4, together with Seacam 150D and Sea&Sea YS-D2 flashlights. The photos were taken ranging from 5 to 30 m. The species were identified according to the following resources: Reef fishes of the East Indies (Allen and Erdmann 2012), Coral reef atlas of Xisha Islands (Huang 2018), Reef fish identification of Nansha Islands (Fang and Lv 2019), Coral reef fishes of the South China Sea (Fu 2014) and FishBase (Froese and Pauly 2020, Fig. 1)

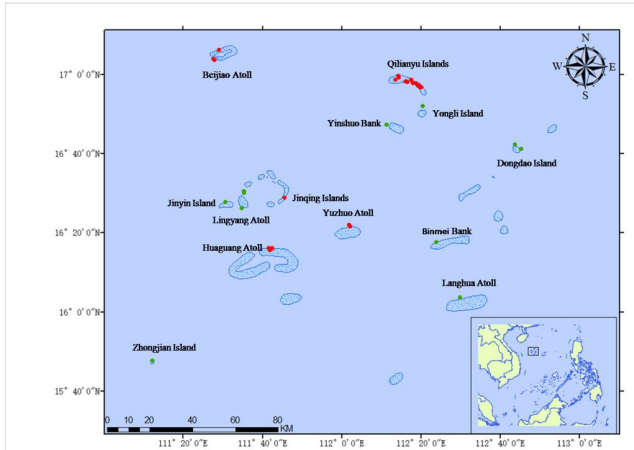


Figure 1. [doi](#)

The map showing the survey locations.

The Coral Fish Diversity Index (CFDI) is an evaluative index proposed by Allen (1988) to measure the diversity of coral reef fishes using the following formula: Total fish fauna = $3.39 \text{ (CFDI)} - 20.595$ used by for areas under 2,000 km. The CFDI is based on the total number of species in each of the six indicator families (Acanthuridae, Chaetodontidae, Labridae, Pomacanthidae, Pomacentridae and Scaridae). All selected families are crucial parts of reef communities, widely distributed and firmly related to coral reef ecosystems.

This checklist has been arranged in the evolutionary order of class, order, family and species and families are arranged in the evolutionary order of genera and then species name. The newly-recorded species in the Xisha Archipelago are marked with r11 only in the Table. For habitats types, these abbreviations have been used: reef associated (RFA); brackish (BRA); demersal (DEM); amphidromous (AMP); pelagic (PEL); bathydemersal (BAD); benthopelagic (BEP); bathypelagic (BAP); pelagic-neritic (PE); oceanodromous (OD).

The IUCN status is indicated as: Critically Endangered (CE); Endangered (EN); Vulnerable (VU); Near Threatened (NT); Lower Risk (LR); Least Concern (LC). Threat to humans: Other; Traumatogenic; Poisonous to eat; Venomous; Reports of ciguatera poisoning.

There were 197 species belonging to 28 families found in this survey, of which, one species represented a new record in China (*Dischistodus pseudochrysopoecilus*) and 23 species represent new records in the Xisha Islands (Table 1), combined with eight previous studies by Gao et al. (2014) and Sun et al. (2004) Li et al. 2017, Li et al. 2007, Wang 1981, Wang et al. 2011, Yang et al. 2018, Zeng 2004. In total, 690 species were recorded from the Xisha Islands, belonging to 24 orders and 97 families. The order Perciformes was the most dominant order, with 496 species belonging to it. The most dominant family was the family Labridae, which had 75 species; followed by Pomacentridae with 63 species; the third, fourth and fifth largest families were Serranidae, Chaetodontidae and Hexanchidae, which had 42 species, 39 species and 29 species, respectively. Other major families were Lutjanidae and Scaridae, which both had 26 species, Gobiidae had 22 species; Scorpaenidae and Carangidae had 16 species (Table 1).

Table 1.

Checklist of the coral fish fauna of the Xisha Islands, China.

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|---|---------------|------------------|-------------|---------------|---------------|
| Class Chondrichthyes | | | | | |
| Order Chimaeriformes | | | | | |
| Family Chimaeridae | | | | | |
| Genus <i>Chimaera</i> | | | | | |
| <i>Chimaera phantasma</i> Jordan & Snyder, 1900 | BAD | | | 3.5 | r1 |
| Order Orectolobiformes | | | | | |
| Family Orectolobidae | | | | | |
| Elasmobranchii | | | | | |
| Order Orectolobiformes | | | | | |
| Genus <i>Stegostoma</i> | | | | | |
| <i>Stegostoma fasciatum</i> (Hermann, 1783) | RFA | Traumatogenic | EN | 3.1 | r1 |
| Family Ginglymostomatidae | | | | | |
| Genus <i>Nebrius</i> | | | | | |
| <i>Nebrius ferrugineus</i> (Lesson, 1831) | RFA | Traumatogenic | VU | 4.1 | r1,5 |
| Order Lamniformes | | | | | |
| Family Myliobatidae | | | | | |
| Genus <i>Aetobatus</i> | | | | | |
| <i>Aetobatus narinari</i> (Euphrasen, 1790) | BRA | Traumatogenic | NT | 4.2 | r2 |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|---|---------------|------------------|-------------|---------------|---------------|
| Genus <i>Aetomylaeus</i> | | | | | |
| <i>Aetomylaeus maculatus</i> (Gray, 1834) | BRA | Traumatogenic | EN | 3.8 | r2 |
| <i>Aetomylaeus vespertilio</i> (Bleeker, 1852) | BEP | | EN | 3.8 | r2 |
| Family Alopiidae | | | | | |
| Genus <i>Alopias</i> | | | | | |
| <i>Alopias vulpinus</i> (Bonnaterre, 1788) | PEL | | VU | 4.5 | r1,r6 |
| Family Lamnidae | | | | | |
| Genus <i>Isurus</i> | | | | | |
| <i>Isurus oxyrinchus</i> Rafinesque, 1810 | PEL | Traumatogenic | NT | 4.5 | r2 |
| Order Carcharhiniformes | | | | | |
| Family Scyliorhinidae | | | | | |
| Genus <i>Atelomycterus</i> | | | | | |
| <i>Atelomycterus marmoratus</i> (Anonymous [Bennett], 1830) | RFA | | NT | 4.1 | r1 |
| Genus <i>Cephaloscyllium</i> | | | | | |
| <i>Cephaloscyllium isabellum</i> (Bonnaterre, 1788) | RFA | | LC | 4.2 | r2 |
| <i>Cephaloscyllium umbratile</i> Jordan & Fowler, 1903 | RFA | | | 4.5 | r4 |
| Family Triakidae | | | | | |
| Genus <i>Mustelus</i> | | | | | |
| <i>Mustelus griseus</i> Pietschmann, 1908 | DEM | | | 3.5 | r3 |
| Family Carcharhinidae | | | | | |
| Genus <i>Carcharhinus</i> | | | | | |
| <i>Carcharhinus albimarginatus</i> (Rüppell, 1837) | RFA | Traumatogenic | VU | 4.2 | r1 |
| <i>Carcharhinus amblyrhynchoides</i> (Whitley, 1934) | PN | Traumatogenic | NT | 4.2 | r1,r7 |
| <i>Carcharhinus falciformis</i> (Müller & Henle, 1839) | RFA | Traumatogenic | VU | 4.5 | r1 |
| <i>Carcharhinus limbatus</i> (Müller & Henle, 1839) | BRA | Traumatogenic | NT | 4.4 | r2 |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|--|---------------|------------------|-------------|---------------|---------------|
| <i>Carcharhinus longimanus</i> (Poey, 1861) | PEL | Traumatogenic | VU | 4.2 | r1 |
| Genus <i>Galeocerdo</i> | | | | | |
| <i>Galeocerdo cuvier</i> (Péron & Lesueur, 1822) | BRA | Traumatogenic | NT | 4.5 | r1 |
| Genus <i>Glyphis</i> | | | | | |
| <i>Glyphis gangeticus</i> (Müller & Henle, 1839) | DEM; AMP | Traumatogenic | CE | 4.2 | r1 |
| Genus <i>Hemigaleus</i> | | | | | |
| <i>Hemigaleus microstoma</i> Bleeker, 1852 | DEM | | VU | 4.2 | r4 |
| Genus <i>Prionace</i> | | | | | |
| <i>Prionace glauca</i> (Linnaeus, 1758) | BRA | Traumatogenic | NT | 4.4 | r1 |
| Genus <i>Rhizoprionodon</i> | | | | | |
| <i>Rhizoprionodon acutus</i> (Rüppell, 1837) | BEP; AMP | | LC | 4.3 | r2 |
| Genus <i>Scoliodon</i> | | | | | |
| <i>Scoliodon laticaudus</i> Müller & Henle, 1838 | BRA | | NT | 3.8 | r1,r7 |
| Genus <i>Triaenodon</i> | | | | | |
| <i>Triaenodon obesus</i> (Rüppell, 1837) | RFA | Traumatogenic | NT | 4.2 | r1 |
| Family Sphyrnidae | | | | | |
| Genus <i>Sphyrna</i> | | | | | |
| <i>Sphyrna lewini</i> (Griffith & Smith, 1834) | BRA | Other | VU | 4.1 | r1 |
| Order Hexanchiformes | | | | | |
| Family Hexanchidae | | | | | |
| Genus <i>Hexanchus</i> | | | | | |
| <i>Hexanchus griseus</i> (Bonnaterre, 1788) | BAD | Poisonous to eat | NT | 4.5 | r1,r7 |
| <i>Hexanchus nakamurai</i> Teng, 1962 | BAD | | | 4.2 | r1 |
| Genus <i>Notorynchus</i> | | | | | |
| <i>Notorynchus cepedianus</i> (Péron, 1807) | BRA | Traumatogenic | LR | 4.7 | r4 |
| Genus <i>Myripristis</i> | | | | | |
| <i>Myripristis botche</i> Cuvier, 1829 | RFA | | LC | 4.0 | r1 |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|---|---------------|--------------------------------|-------------|---------------|---------------|
| <i>Myripristis chryseres</i> Jordan & Evermann, 1903 | BEP | | LC | 4.0 | r2 |
| <i>Myripristis kuntee</i> Valenciennes, 1831 | RFA | | LC | 3.4 | r6,r8 |
| <i>Myripristis murdjan</i> (Forsskål, 1775) | RFA | Reports of ciguatera poisoning | LC | 3.4 | r1,r7 |
| <i>Myripristis pralinia</i> Cuvier, 1829 | RFA | | LC | 3.5 | r1 |
| <i>Myripristis violacea</i> Bleeker, 1851 | RFA | | LC | 3.5 | r4 |
| <i>Myripristis vittata</i> Valenciennes, 1831 | RFA | | LC | 3.8 | r3 |
| * <i>Myripristis robusta</i> Randall & Greenfield, 1996 | DEM | | | | r11 |
| Genus <i>Neoniphon</i> | | | | | |
| <i>Neoniphon argenteus</i> (Valenciennes, 1831) | RFA | | LC | 4.0 | r3 |
| <i>Neoniphon opercularis</i> (Valenciennes, 1831) | RFA | Venomous | LC | 3.6 | r1,r6 |
| <i>Neoniphon sammara</i> (Forsskål, 1775) | RFA | Venomous | LC | 3.6 | r1,r6,r8,r11 |
| Genus <i>Ostichthys</i> | | | | | |
| <i>Ostichthys kaianus</i> (Günther, 1880) | BAD | | LC | 4.0 | r3 |
| <i>Ostichthys sheni</i> Chen, Shao & Mok, 1990 | DEM | | | 3.7 | r3 |
| Genus <i>Sargocentron</i> | | | | | |
| <i>Sargocentron spiniferum</i> (Forsskål, 1775) | RFA | Reports of ciguatera poisoning | LC | 3.6 | r1 |
| <i>Sargocentron violaceum</i> (Bleeker, 1853) | RFA | Venomous | LC | 3.6 | r1 |
| <i>Sargocentron caudimaculatum</i> (Rüppell, 1838) | RFA | Venomous | LC | 3.9 | r4,r6,r11 |
| <i>Sargocentron cornutum</i> (Bleeker, 1854) | BRA | Venomous | LC | 3.6 | r4 |
| <i>Sargocentron diadema</i> (Lacepède, 1802) | RFA | Venomous | LC | 3.4 | r1 |
| <i>Sargocentron ensifer</i> (Jordan & Evermann, 1903) | RFA | | LC | 4.0 | r1,r7 |
| <i>Sargocentron punctatissimum</i> (Cuvier, 1829) | RFA | | LC | 3.4 | r1,r7 |
| <i>Sargocentron rubrum</i> (Forsskål, 1775) | RFA | Venomous | LC | 3.6 | r4,r7 |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|--|---------------|--------------------------------|-------------|---------------|---------------|
| <i>Sargocentron spiniferum</i> (Forsskål, 1775) | RFA | Reports of ciguatera poisoning | LC | 3.6 | r4 |
| <i>Sargocentron tere</i> (Cuvier, 1829) | RFA | Venomous | LC | 4.2 | r3 |
| <i>Sargocentron violaceum</i> (Bleeker, 1853) | RFA | Venomous | LC | 3.6 | r4 |
| <i>Sargocentron melanospilos</i> (Bleeker, 1858) | RFA | Venomous | LC | 4.0 | r9,r11 |
| <i>Sargocentron microstoma</i> (Günther, 1859) | RFA | Venomous | LC | 3.6 | r10,r11 |
| Order Squatiniformes | | | | | |
| Family Squalidae | | | | | |
| Genus <i>Centrophorus</i> | | | | | |
| <i>Centrophorus tessellatus</i> Garman, 1906 | BEP | | | 4.3 | r1 |
| Genus <i>Squalus</i> | | | | | |
| <i>Squalus brevirostris</i> Tanaka, 1917 | DEM | | | 4.2 | r1 |
| <i>Squalus megalops</i> (Macleay, 1881) | DEM | | | 4.3 | r2 |
| Order Rajiformes | | | | | |
| Family Rhinobatidae | | | | | |
| Genus <i>Rhina</i> | | | | | |
| <i>Rhina ancylostoma</i> Bloch & Schneider, 1801 | RFA | Other | VU | 3.6 | r1 |
| Genus <i>Rhynchobatus</i> | | | | | |
| <i>Rhynchobatus djiddensis</i> (Forsskål, 1775) | BRA | | VU | 3.6 | r1 |
| Order Myliobatiformes | | | | | |
| Family Dasyatidae | | | | | |
| Genus <i>Hemityrion</i> | | | | | |
| <i>Hemityrion bennettii</i> (Müller & Henle, 1841) | DEM | | | 4.5 | r2 |
| <i>Hemityrion sinensis</i> (Steindachner, 1892) | DEM | | | 3.7 | r2 |
| Genus <i>Neotrygon</i> | | | | | |
| <i>Neotrygon kuhlii</i> (Müller & Henle, 1841) | RFA | Venomous | | 3.3 | r2 |
| Genus <i>Pteroplatytrygon</i> | | | | | |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|--|---------------|--------------------------------|-------------|---------------|---------------|
| <i>Pteroplatytrygon violacea</i> (Bonaparte, 1832) | PEL | Venomous | LC | 4.4 | r1 |
| Genus <i>Taeniurops</i> | | | | | |
| <i>Taeniurops meyeri</i> (Müller & Henle, 1841) | RFA | Venomous | VU | 4.2 | r1 |
| Genus <i>Urogymnus</i> | | | | | |
| <i>Urogymnus asperimus</i> (Bloch & Schneider, 1801) | BRA | Traumatogenic | VU | 3.5 | r2 |
| Family Gymnuridae | | | | | |
| Genus <i>Gymnura</i> | | | | | |
| <i>Gymnura japonica</i> (Temminck & Schlegel, 1850) | DEM | Venomous | | 3.8 | r2 |
| Order Anguilliformes | | | | | |
| Family Muraenidae | | | | | |
| Genus <i>Echidna</i> | | | | | |
| <i>Echidna delicatula</i> (Kaup, 1856) | RFA | | | 3.5 | r1 |
| <i>Echidna nebulosa</i> (Ahl, 1789) | RFA | | LC | 4.0 | r1 |
| <i>Echidna polyzona</i> (Richardson, 1845) | RFA | | LC | 3.5 | r1 |
| Genus <i>Gymnomuraena</i> | | | | | |
| <i>Gymnomuraena zebra</i> (Shaw, 1797) | RFA | | LC | 3.4 | r1 |
| Genus <i>Gymnothorax</i> | | | | | |
| <i>Gymnothorax fimbriatus</i> (Bennett, 1832) | BRA | | LC | 4.0 | r1 |
| <i>Gymnothorax flavimarginatus</i> (Rüppell, 1830) | RFA | Reports of ciguatera poisoning | LC | 4.2 | r1 |
| <i>Gymnothorax isingteena</i> (Richardson, 1845) | RFA | | LC | 4.3 | r4 |
| <i>Gymnothorax meleagris</i> (Shaw, 1795) | RFA | Reports of ciguatera poisoning | LC | 4.0 | r1,r6,r11 |
| <i>Gymnothorax pictus</i> (Ahl, 1789) | BRA | Reports of ciguatera poisoning | LC | 4.2 | r1 |
| <i>Gymnothorax prionodon</i> Ogilby, 1895 | RFA | | LC | 4.2 | r3 |
| <i>Gymnothorax pseudothyrsoides</i> (Bleeker, 1853) | RFA | | LC | 3.7 | r4 |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|---|---------------|--------------------------------|-------------|---------------|---------------|
| <i>Gymnothorax reevesii</i> (Richardson, 1845) | RFA | | | 4.0 | r1 |
| <i>Gymnothorax richardsonii</i> (Bleeker, 1852) | RFA | | LC | 3.8 | r1 |
| <i>Gymnothorax rueppelliae</i> (McClelland, 1844) | BRA | | LC | 4.0 | r1 |
| <i>Gymnothorax thyrsoideus</i> (Richardson, 1845) | RFA | | LC | 4.0 | r1 |
| <i>Gymnothorax undulatus</i> (Lacepède, 1803) | BRA | Reports of ciguatera poisoning | LC | 3.6 | r1 |
| Genus <i>Scuticaria</i> | | | | | |
| <i>Scuticaria tigrina</i> (Lesson, 1828) | RFA | | LC | 3.8 | r1 |
| Family Ophichthyidae | | | | | |
| Genus <i>Myrichthys</i> | | | | | |
| <i>Myrichthys colubrinus</i> (Boddaert, 1781) | RFA | | | 3.6 | r1 |
| <i>Myrichthys maculosus</i> (Cuvier, 1816) | RFA | | | 3.6 | r1 |
| Genus <i>Pisoodonophis</i> | | | | | |
| <i>Pisoodonophis rubicundus</i> | | | | 4.0 | r1 |
| Order Clupeiformes | | | | | |
| Family Clupeidae | | | | | |
| Genus <i>Amblygaster</i> | | | | | |
| <i>Amblygaster clupeoides</i> Bleeker, 1849 | RFA | | LC | 3.1 | r1 |
| Genus <i>Conger</i> | | | | | |
| <i>Conger cinereus</i> Rüppell, 1830 | RFA | | LC | 4.3 | r1 |
| Order Gonorhynchiformes | | | | | |
| Family Chanidae | | | | | |
| Genus <i>Chanos</i> | | | | | |
| <i>Chanos chanos</i> (Forsskål, 1775) | BRA | | LC | 2.4 | r1 |
| Family Centriscidae | | | | | |
| Genus <i>Aeoliscus</i> | | | | | |
| <i>Aeoliscus strigatus</i> (Günther, 1861) | RFA | | | 3.5 | r6 |
| Order Stomiiformes | | | | | |
| Family Sternoptychidae | | | | | |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|--|---------------|------------------|-------------|---------------|---------------|
| Genus <i>Sternoptyx</i> | | | | | |
| <i>Sternoptyx diaphana</i> Hermann, 1781 | BAP | | | 3.4 | r1 |
| <i>Sternoptyx obscura</i> Garman, 1899 | BAP | | LC | 3.3 | r1 |
| Family Phosichthyidae | | | | | |
| Genus <i>Polymetme</i> | | | | | |
| <i>Polymetme corythaeola</i> (Alcock, 1898) | BEP | | | 4.4 | r1 |
| Order Aulopiformes | | | | | |
| Family Synodontidae | | | | | |
| Genus <i>Saurida</i> | | | | | |
| <i>Saurida gracilis</i> (Quoy & Gaimard, 1824) | RFA | | LC | 4.2 | r1 |
| Genus <i>Synodus</i> | | | | | |
| <i>Synodus jaculum</i> Russell & Cressey, 1979 | RFA | | LC | 4.0 | r1 |
| <i>Synodus variegatus</i> (Lacepède, 1803) | RFA | | LC | 4.2 | r1 |
| Family Alepisauridae | | | | | |
| Genus <i>Alepisaurus</i> | | | | | |
| <i>Alepisaurus ferox</i> Lowe, 1833 | BAP | | LC | 4.0 | r1 |
| Order Myctophiformes | | | | | |
| Family Myctophidae | | | | | |
| Genus <i>Myctophum</i> | | | | | |
| <i>Myctophum aurolaternatum</i> Garman, 1899 | BAP | | LC | 3.5 | r1 |
| Order Polymixiiformes | | | | | |
| Family Polymixiidae | | | | | |
| Genus <i>Polymixia</i> | | | | | |
| <i>Polymixia berndti</i> Gilbert, 1905 | RFA | | LC | 4.0 | r1 |
| Order Ophidiiformes | | | | | |
| Family Carapidae | | | | | |
| Genus <i>Carapus</i> | | | | | |
| <i>Carapus mourlani</i> (Petit, 1934) | RFA | | | 3.6 | r1 |
| Genus <i>Encheliophis</i> | | | | | |
| <i>Encheliophis homei</i> (Richardson, 1846) | DEM | | | 3.7 | r1 |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|---|---------------|------------------|-------------|---------------|---------------|
| <i>Encheliophis boraborensis</i> (Kaup, 1856) | DEM | | | 3.4 | r1 |
| Family Bythitidae | | | | | |
| Genus <i>Dinematichthys</i> | | | | | |
| <i>Dinematichthys ilucoeteoides</i> Bleeker, 1855 | RFA | | | 2.6 | r1 |
| Order Lophiiformes | | | | | |
| Family Antennaridae | | | | | |
| Genus <i>Antennatus</i> | | | | | |
| <i>Antennatus dorehensis</i> (Bleeker, 1859) | RFA | | | 4.3 | r1 |
| Family Chaunacidae | | | | | |
| Genus <i>Chaunax</i> | | | | | |
| <i>Chaunax fimbriatus</i> Hilgendorf, 1879 | BAD | | | 3.9 | r1 |
| Family Ogcocephalidae | | | | | |
| Genus <i>Halicmetus</i> | | | | | |
| <i>Halicmetus reticulatus</i> Smith & Radcliffe, 1912 | BAD | | | 3.3 | r1 |
| Genus <i>Halieutaea</i> | | | | | |
| <i>Halieutaea indica</i> Annandale & Jenkins, 1910 | DEM | | | 3.4 | r1 |
| Order Mugiliformes | | | | | |
| Family Mugilidae | | | | | |
| Genus <i>Crenimugil</i> | | | | | |
| <i>Crenimugil crenilabis</i> (Forsskål, 1775) | BRA | | LC | 2.3 | r1 |
| Genus <i>Ellochelon</i> | | | | | |
| <i>Ellochelon vaigiensis</i> (Quoy & Gaimard, 1825) | RFA; | | LC | 2.2 | r1 |
| Genus <i>Moolgarda</i> | | | | | |
| <i>Crenimugil seheli</i> (Forsskål, 1775) | RFA; | | | 2.3 | r1 |
| Genus <i>Oedalechilus</i> | | | | | |
| <i>Plicomugil labiosus</i> (Valenciennes, 1836) | RFA | | | 2.1 | r1 |
| Order Atheriniformes | | | | | |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|--|---------------|------------------|-------------|---------------|---------------|
| Family Atherinidae | | | | | |
| Genus <i>Atherinomorus</i> | | | | | |
| <i>Atherinomorus lacunosus</i> (Forster, 1801) | RFA; | | | 3.3 | r1 |
| Family Exocoetidae | | | | | |
| Genus <i>Cheilopogon</i> | | | | | |
| <i>Cheilopogon arcticeps</i> (Günther, 1866) | PN | | | 3.6 | r1 |
| <i>Cheilopogon atrisignis</i> (Jenkins, 1903) | PEL | | | 3.7 | r1 |
| <i>Cheilopogon cyanopterus</i> (Valenciennes, 1847) | PEL | | LC | 3.3 | r1 |
| <i>Cheilopogon katoptron</i> (Bleeker, 1865) | PN | | | 3.5 | r1 |
| <i>Cheilopogon pinnatibarbatus pinnatibarbatus</i> (Bennett, 1831) | PN | | LC | 4.0 | r1 |
| <i>Cheilopogon spilopterus</i> (Valenciennes, 1847) | PN | | | 4.2 | r1 |
| Genus <i>Cypselurus</i> | | | | | |
| <i>Cypselurus oligolepis</i> (Bleeker, 1865) | PN | | | 4.0 | r1 |
| <i>Cypselurus poecilopterus</i> (Valenciennes, 1847) | PN; OD | | | 3.4 | r1 |
| Genus <i>Exocoetus</i> | | | | | |
| <i>Exocoetus volitans</i> Linnaeus, 1758 | PN; OD | | LC | 3.0 | r1,r6 |
| Genus <i>Hirundichthys</i> | | | | | |
| <i>Hirundichthys oxycephalus</i> (Bleeker, 1853) | PN; OD | | | 3.0 | r1 |
| <i>Hirundichthys speculiger</i> (Valenciennes, 1847) | PEL; OD | | LC | 3.0 | r1 |
| Genus <i>Parexocoetus</i> | | | | | |
| <i>Parexocoetus brachypterus</i> (Richardson, 1846) | PN; OD | | | 3.4 | r1 |
| Family Hemiramphidae | | | | | |
| Genus <i>Euleptorhamphus</i> | | | | | |
| <i>Euleptorhamphus viridis</i> (van Hasselt, 1823) | PEL; OD | | | 3.4 | r1,r8 |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|--|---------------|------------------|-------------|---------------|---------------|
| Genus <i>Hyporhamphus</i> | | | | | |
| <i>Hyporhamphus dussumieri</i> (Valenciennes, 1847) | RFA | | | 3.5 | r1 |
| <i>Hyporhamphus gernaerti</i> (Valenciennes, 1847) | PN | | | 3.0 | r1 |
| Family Belontiidae | | | | | |
| Genus <i>Ablennes</i> | | | | | |
| <i>Ablennes hians</i> (Valenciennes, 1846) | RFA; OD | | LC | 4.5 | r1 |
| Genus <i>Platybelone</i> | | | | | |
| <i>Platybelone argalus argalus</i> (Lesueur, 1821) | RFA | | LC | 4.5 | r1 |
| Genus <i>Tylosurus</i> | | | | | |
| <i>Tylosurus acus acus</i> (Lacepède, 1803) | RFA | Traumatogenic | LC | 4.5 | r1 |
| Order Gasterosteiformes | | | | | |
| Family Pegasidae | | | | | |
| Genus <i>Pegasus</i> | | | | | |
| <i>Pegasus laternarius</i> Cuvier, 1816 | DEM | | | 3.3 | r1 |
| Family Aulostomidae | | | | | |
| Genus <i>Aulostomus</i> | | | | | |
| <i>Aulostomus chinensis</i> (Linnaeus, 1766) | RFA | | LC | 4.2 | r1 |
| Genus <i>Centriscus</i> | | | | | |
| <i>Centriscus scutatus</i> Linnaeus, 1758 | RFA | | LC | 3.3 | r1 |
| Family Fistulariidae | | | | | |
| Genus <i>Fistularia</i> | | | | | |
| <i>Fistularia petimba</i> Lacepède, 1803 | RFA | | LC | 4.4 | r1,r8 |
| Order synbranchiformes | | | | | |
| Family Syngnathidae | | | | | |
| Genus <i>Corythoichthys</i> | | | | | |
| <i>Corythoichthys flavofasciatus</i> (Rüppell, 1838) | RFA | | LC | 3.6 | r1,r6 |
| Genus <i>Doryrhamphus</i> | | | | | |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|--|---------------|------------------|-------------|---------------|---------------|
| <i>Doryrhamphus excisus excisus</i> Kaup, 1856 | RFA | | LC | 3.5 | r1 |
| Genus <i>Trachyrhamphus</i> | | | | | |
| <i>Trachyrhamphus serratus</i> (Temminck & Schlegel, 1850) | RFA | | | 3.7 | r1 |
| Order Scorpaeniformes | | | | | |
| Family Dactylopteridae | | | | | |
| Genus <i>Dactyloptena</i> | | | | | |
| <i>Dactyloptena orientalis</i> (Cuvier, 1829) | RFA | | LC | 3.7 | r1 |
| Family Scorpaenidae | | | | | |
| Genus <i>Dendrochirus</i> | | | | | |
| <i>Dendrochirus bellus</i> (Jordan & Hubbs, 1925) | DEM | | LC | 3.8 | r1 |
| <i>Dendrochirus zebra</i> (Cuvier, 1829) | RFA | Venomous | LC | 4.0 | r1 |
| Genus <i>Parapterois</i> | | | | | |
| <i>Parapterois heterura</i> (Bleeker, 1856) | DEM | Venomous | LC | 3.9 | r1 |
| Genus <i>Parascorpaena</i> | | | | | |
| <i>Parascorpaena aurita</i> (Rüppell, 1838) | RFA | | LC | 3.7 | r1 |
| <i>Parascorpaena picta</i> (Cuvier, 1829) | RFA | | LC | 3.7 | r1 |
| Genus <i>Pterois</i> | | | | | |
| <i>Pterois radiata</i> Cuvier, 1829 | RFA | Venomous | LC | 3.6 | r1,r6 |
| <i>Pterois volitans</i> (Linnaeus, 1758) | RFA | Venomous | LC | 4.4 | r1,r6 |
| Genus <i>Scorpaena</i> | | | | | |
| <i>Scorpaena hatizyoensis</i> Matsubara, 1943 | DEM | | LC | 3.7 | r1 |
| <i>Scorpaena neglecta</i> Temminck & Schlegel, 1843 | DEM | | | 3.8 | r1 |
| Genus <i>Scorpaenodes</i> | | | | | |
| <i>Scorpaenodes guamensis</i> (Quoy & Gaimard, 1824) | RFA | Venomous | LC | 3.4 | r1 |
| <i>Scorpaenodes scaber</i> (Ramsay & Ogilby, 1886) | RFA | Venomous | | 3.6 | r1 |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|---|---------------|--------------------------------|-------------|---------------|---------------|
| Genus <i>Scorpaenopsis</i> | | | | | |
| <i>Scorpaenopsis cirrosa</i> (Thunberg, 1793) | DEM | Venomous | | 3.5 | r1 |
| Genus <i>Sebastapistes</i> | | | | | |
| * <i>Sebastapistes cyanostigma</i> (Bleeker, 1856) | RFA | | | 3.8 | r11 |
| <i>Sebastapistes nuchalis</i> (Günther, 1874) | DEM | | | 3.8 | r1 |
| Genus <i>Synanceia</i> | | | | | |
| <i>Synanceia verrucosa</i> Bloch & Schneider, 1801 | RFA | Venomous | LC | 4.2 | r1 |
| Genus <i>Vespicula</i> | | | | | |
| <i>Vespicula trachinoides</i> (Cuvier, 1829) | DEM | | | 3.1 | r1 |
| Order perciformes | | | | | |
| Family Serranidae | | | | | |
| Genus <i>Aethaloperca</i> | | | | | |
| <i>Aethaloperca rogae</i> (Forsskål, 1775) | RFA | | LC | 4.2 | r1,r11 |
| Genus <i>Anyperodon</i> | | | | | |
| <i>Anyperodon leucogrammicus</i> (Valenciennes, 1828) | RFA | | LC | 3.9 | r1 |
| Genus <i>Cephalopholis</i> | | | | | |
| <i>Cephalopholis argus</i> Schneider, 1801 | RFA | Reports of ciguatera poisoning | LC | 4.5 | r1,r6,r11 |
| <i>Cephalopholis aurantia</i> (Valenciennes, 1828) | RFA | | LC | 4.0 | r1 |
| <i>Cephalopholis formosa</i> (Shaw, 1812) | RFA | | LC | 4.1 | r1 |
| <i>Cephalopholis leopardus</i> (Lacepède, 1801) | RFA | | LC | 4.0 | r1 |
| <i>Cephalopholis miniata</i> (Forsskål, 1775) | RFA | | LC | 4.3 | r1 |
| <i>Cephalopholis sonnerati</i> (Valenciennes, 1828) | RFA | | LC | 3.8 | r1 |
| <i>Cephalopholis urodeta</i> (Forster, 1801) | RFA | | LC | 4.0 | r1,r6,r11 |
| Genus <i>Epinephelus</i> | | | | | |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|--|---------------|--------------------------------|-------------|---------------|---------------|
| <i>Epinephelus akaara</i> (Temminck & Schlegel, 1842) | RFA | | EN | 4.0 | r1 |
| <i>Epinephelus areolatus</i> (Forsskål, 1775) | RFA | | LC | 3.7 | r1 |
| <i>Epinephelus awoara</i> (Temminck & Schlegel, 1842) | RFA | | | 3.6 | r1 |
| <i>Epinephelus chlorostigma</i> (Valenciennes, 1828) | RFA | | LC | 4.0 | r1 |
| <i>Epinephelus coioides</i> (Hamilton, 1822) | RFA | | LC | 4.0 | r1 |
| <i>Epinephelus cyanopodus</i> (Richardson, 1846) | RFA | Reports of ciguatera poisoning | LC | 4.1 | r4,r6 |
| <i>Epinephelus fasciatus</i> (Forsskål, 1775) | RFA | Reports of ciguatera poisoning | LC | 3.7 | r1,r7,r11 |
| <i>Epinephelus fuscoguttatus</i> (Forsskål, 1775) | RFA | Reports of ciguatera poisoning | VU | 4.1 | r1 |
| <i>Epinephelus heniochus</i> Fowler, 1904 | DEM | | LC | 3.8 | r1 |
| <i>Epinephelus hexagonatus</i> (Forster, 1801) | RFA | | LC | 4.1 | r1,r11 |
| <i>Epinephelus latifasciatus</i> (Temminck & Schlegel, 1842) | DEM | | LC | 4.0 | r1 |
| <i>Epinephelus lanceolatus</i> (Bloch, 1790) | RFA | Traumatogenic | | 4.0 | r1 |
| <i>Epinephelus longispinis</i> (Kner, 1864) | RFA | | LC | 4.2 | r1 |
| <i>Epinephelus maculatus</i> (Bloch, 1790) | RFA | Reports of ciguatera poisoning | LC | 4.0 | r5 |
| <i>Epinephelus merra</i> Bloch, 1793 | RFA | Reports of ciguatera poisoning | LC | 3.8 | r1,r6,r8,r11 |
| <i>Epinephelus morrhua</i> (Valenciennes, 1833) | RFA | Reports of ciguatera poisoning | LC | 4.0 | r1 |
| <i>Epinephelus poecilnotus</i> (Temminck & Schlegel, 1842) | RFA | | LC | 4.0 | r1 |
| <i>Epinephelus retouti</i> Bleeker, 1868 | RFA | | LC | 4.0 | r1 |
| <i>Epinephelus spilotoceps</i> Schultz, 1953 | RFA | | LC | 3.7 | r1,r11 |
| <i>Epinephelus summana</i> (Forsskål, 1775) | RFA | | LC | 3.8 | r1 |
| <i>Epinephelus tauvina</i> (Forsskål, 1775) | RFA; OD | Reports of ciguatera poisoning | | 4.1 | r1 |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|--|---------------|--------------------------------|-------------|---------------|---------------|
| Genus <i>Gracila</i> | | | | | |
| <i>Gracila albomarginata</i> (Fowler & Bean, 1930) | RFA | | LC | 4.2 | r1 |
| Genus <i>Grammistes</i> | | | | | |
| <i>Grammistes sexlineatus</i> (Thunberg, 1792) | RFA | Reports of ciguatera poisoning | LC | 4.0 | r1,r11 |
| Genus <i>Plectropomus</i> | | | | | |
| <i>Plectropomus areolatus</i> (Rüppell, 1830) | RFA | Reports of ciguatera poisoning | VU | 4.5 | r1 |
| <i>Plectropomus laevis</i> (Lacepède, 1801) | RFA | Reports of ciguatera poisoning | LC | 4.1 | r1 |
| <i>Plectropomus leopardus</i> (Lacepède, 1802) | RFA | Reports of ciguatera poisoning | LC | 4.4 | r1 |
| <i>Plectropomus oligacanthus</i> (Bleeker, 1855) | RFA | Reports of ciguatera poisoning | LC | 4.0 | r1,r7 |
| Genus <i>Pogonoperca</i> | | | | | |
| <i>Pogonoperca ocellata</i> Günther, 1859 | RFA | | LC | 4.0 | r1 |
| Genus <i>Pseudanthias</i> | | | | | |
| <i>Pseudanthias cichlops</i> (Bleeker, 1853) | RFA | | LC | 3.4 | r5 |
| <i>Pseudanthias pascalus</i> (Jordan & Tanaka, 1927) | RFA | | LC | 3.3 | r6,r11 |
| <i>Pseudanthias tuka</i> (Herre & Montalban, 1927) | RFA | | LC | 3.6 | r1 |
| Genus <i>Saloptia</i> | | | | | |
| <i>Saloptia powelli</i> Smith, 1964 | RFA | | LC | 3.9 | r1 |
| Genus <i>Variola</i> | | | | | |
| <i>Variola louti</i> (Forsskål, 1775) | RFA | Reports of ciguatera poisoning | LC | 4.3 | r1 |
| Family Pseudochromidae | | | | | |
| Genus <i>Labracinus</i> | | | | | |
| <i>Labracinus cyclophthalmus</i> (Müller & Troschel, 1849) | RFA | | | 3.9 | r1 |
| Genus <i>Pseudochromis</i> | | | | | |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|--|---------------|--------------------------------|-------------|---------------|---------------|
| <i>Pseudochromis fuscus</i> Müller & Troschel, 1849 | RFA | | LC | 3.5 | r1 |
| Family Plesiopida | | | | | |
| Genus <i>Plesiops</i> | | | | | |
| <i>Plesiops coeruleolineatus</i> Rüppell, 1835 | RFA | | | 3.6 | r1 |
| Family Priacanthidae | | | | | |
| Genus <i>Heteropriacanthus</i> | | | | | |
| <i>Heteropriacanthus cruentatus</i> (Lacepède, 1801) | RFA | Reports of ciguatera poisoning | LC | 3.6 | r1 |
| Genus <i>Priacanthus</i> | | | | | |
| <i>Priacanthus hamrur</i> (Forsskål, 1775) | RFA | | LC | 3.6 | r1,r7 |
| <i>Priacanthus macracanthus</i> Cuvier, 1829 | RFA; OD | | LC | 4.1 | r6 |
| Family Apogonidae | | | | | |
| Genus <i>Cheilodipterus</i> | | | | | |
| <i>Cheilodipterus quinquelineatus</i> Cuvier, 1828 | RFA | | | 3.9 | r1,r8,r11 |
| Genus <i>Fowleria</i> | | | | | |
| <i>Fowleria aurita</i> (Valenciennes, 1831) | RFA | | | 3.5 | r1 |
| Genus <i>Nectamia</i> | | | | | |
| <i>Nectamia bandanensis</i> (Bleeker, 1854) | RFA | | | 3.3 | r1 |
| Genus <i>Ostorhinchus</i> | | | | | |
| <i>Ostorhinchus nigrofasciatus</i> (Lachner, 1953) | RFA | | | 3.6 | r8,r11 |
| <i>Ostorhinchus novemfasciatus</i> (Cuvier, 1828) | RFA | | | 4.0 | r1,r11 |
| <i>Ostorhinchus cookii</i> (Macleay, 1881) | RFA | | | 4.0 | r6,r11 |
| Genus <i>Pristicon</i> | | | | | |
| <i>Pristicon trimaculatus</i> (Cuvier, 1828) | RFA | | | 3.5 | r1 |
| Genus <i>Sphaeramia</i> | | | | | |
| <i>Sphaeramia orbicularis</i> (Cuvier, 1828) | RFA | | | 3.6 | r1 |
| Family Malacanthidae | | | | | |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|---|---------------|--------------------------------|-------------|---------------|---------------|
| Genus <i>Malacanthus</i> | | | | | |
| <i>Malacanthus brevirostris</i> Guichenot, 1848 | RFA | | | 3.5 | r1 |
| <i>Malacanthus latovittatus</i> (Lacepède, 1801) | RFA | | | 3.5 | r1 |
| Family Microdesmidae | | | | | |
| Genus <i>Ptereleotris</i> | | | | | |
| <i>Ptereleotris microlepis</i> (Bleeker, 1856) | RFA | | | 3.4 | r1 |
| Family Coryphaenidae | | | | | |
| Genus <i>Coryphaena</i> | | | | | |
| <i>Coryphaena hippurus</i> Linnaeus, 1758 | PN; OD | Reports of ciguatera poisoning | LC | 4.4 | r1 |
| Family Echeneidae | | | | | |
| Genus <i>Echeneis</i> | | | | | |
| <i>Echeneis naucrates</i> Linnaeus, 1758 | RFA | | LC | 3.7 | r1 |
| Genus <i>Remora</i> | | | | | |
| <i>Remora albescens</i> (Temminck & Schlegel, 1850) | PEL; OD | | LC | 3.4 | r1 |
| <i>Remora brachyptera</i> (Lowe, 1839) | PEL; OD | | LC | 3.5 | r1 |
| <i>Remora remora</i> (Linnaeus, 1758) | RFA | | LC | 3.5 | r1 |
| Genus <i>Rhombochirus</i> | | | | | |
| <i>Remora osteochir</i> (Cuvier, 1829) | RFA | | LC | 3.5 | r1 |
| Family Carangidae | | | | | |
| Genus <i>Carangoides</i> | | | | | |
| <i>Carangoides ferdau</i> (Forsskål, 1775) | RFA | Reports of ciguatera poisoning | LC | 4.3 | r1 |
| Genus <i>Caranx</i> | | | | | |
| <i>Caranx ignobilis</i> (Forsskål, 1775) | RFA | Reports of ciguatera poisoning | LC | 4.2 | r1,r7 |
| <i>Caranx melampygus</i> Cuvier, 1833 | RFA | Reports of ciguatera poisoning | LC | 4.5 | r1,r11 |
| <i>Caranx sexfasciatus</i> Quoy & Gaimard, 1825 | RFA | | LC | 4.5 | r1 |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|---|---------------|--------------------------------|-------------|---------------|---------------|
| Genus <i>Decapterus</i> | | | | | |
| <i>Decapterus macrosoma</i> Bleeker, 1851 | RFA | | LC | 3.4 | r1,r7 |
| Genus <i>Elagatis</i> | | | | | |
| <i>Elagatis bipinnulata</i> (Quoy & Gaimard, 1825) | RFA | Reports of ciguatera poisoning | LC | 4.3 | r1 |
| Genus <i>Naucrates</i> | | | | | |
| <i>Naucrates ductor</i> (Linnaeus, 1758) | RFA | | LC | 3.4 | r1 |
| Genus <i>Scomberoides</i> | | | | | |
| <i>Scomberoides lysan</i> (Forsskål, 1775) | RFA | Other | LC | 4.0 | r1 |
| Genus <i>Selar</i> | | | | | |
| <i>Selar crumenophthalmus</i> (Bloch, 1793) | RFA | Reports of ciguatera poisoning | LC | 3.8 | r1,r7 |
| Genus <i>Selaroides</i> | | | | | |
| <i>Selaroides leptolepis</i> (Cuvier, 1833) | RFA; AMP | | LC | 3.8 | r1 |
| Genus <i>Seriola</i> | | | | | |
| <i>Seriola dumerili</i> (Risso, 1810) | RFA; OD | Reports of ciguatera poisoning | LC | 4.5 | r1 |
| <i>Seriola lalandi</i> Valenciennes, 1833 | BEP | | LC | 4.2 | r1 |
| <i>Seriola quinqueradiata</i> Temminck & Schlegel, 1845 | DEM; OD | | LC | 4.0 | r1 |
| Genus <i>Trachinotus</i> | | | | | |
| <i>Trachinotus bailloni</i> (Lacepède, 1801) | RFA | | LC | 3.6 | r1 |
| Genus <i>Alectis</i> | | | | | |
| <i>Alectis indica</i> (Rüppell, 1830) | RFA | | LC | 4.1 | r1 |
| Genus <i>Caranx</i> | | | | | |
| <i>Caranx lugubris</i> Poey, 1860 | BEP; OD | Reports of ciguatera poisoning | LC | 4.5 | r1 |
| Family Bramidae | | | | | |
| Genus <i>Brama</i> | | | | | |
| <i>Brama japonica</i> Hilgendorf, 1878 | PEL; OD | | | 4.4 | r1 |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|---|---------------|--------------------------------|-------------|---------------|---------------|
| Family Lutjanidae | | | | | |
| Genus <i>Aphareus</i> | | | | | |
| <i>Aphareus furca</i> (Lacepède, 1801) | RFA | Reports of ciguatera poisoning | LC | 4.1 | r1 |
| <i>Aphareus rutilans</i> Cuvier, 1830 | RFA | | LC | 4.1 | r1 |
| Genus <i>Aprion</i> | | | | | |
| <i>Aprion virescens</i> Valenciennes, 1830 | RFA | Reports of ciguatera poisoning | LC | 4.3 | r1,r6,r11 |
| Genus <i>Etelis</i> | | | | | |
| <i>Etelis carbunculus</i> Cuvier, 1828 | BEP | | LC | 4.5 | r1 |
| Genus <i>Lutjanus</i> | | | | | |
| <i>Lutjanus argentimaculatus</i> (Forsskål, 1775) | RFA; OD | Reports of ciguatera poisoning | LC | 3.6 | r1 |
| <i>Lutjanus bohar</i> (Forsskål, 1775) | RFA | Reports of ciguatera poisoning | LC | 4.3 | r1 |
| <i>Lutjanus erythropterus</i> Bloch, 1790 | RFA | | LC | 4.5 | r1 |
| <i>Lutjanus fulviflamma</i> (Forsskål, 1775) | RFA | Reports of ciguatera poisoning | LC | 3.8 | r1 |
| <i>Lutjanus fulvus</i> (Forster, 1801) | RFA | Reports of ciguatera poisoning | LC | 3.6 | r1,r11 |
| <i>Lutjanus gibbus</i> (Forsskål, 1775) | RFA | Reports of ciguatera poisoning | LC | 4.1 | r1,r11 |
| <i>Lutjanus kasmira</i> (Forsskål, 1775) | RFA | | LC | 3.9 | r1,r7 |
| <i>Lutjanus monostigma</i> (Cuvier, 1828) | RFA | Reports of ciguatera poisoning | LC | 4.3 | r1 |
| <i>Lutjanus quinquelineatus</i> (Bloch, 1790) | RFA | | LC | 3.7 | r1 |
| <i>Lutjanus russellii</i> (Bleeker, 1849) | RFA | | LC | 4.1 | r1 |
| <i>Lutjanus sebae</i> (Cuvier, 1816) | RFA | Reports of ciguatera poisoning | LC | 4.1 | r1 |
| <i>Lutjanus stellatus</i> Akazaki, 1983 | RFA | | | 4.0 | r1 |
| Genus <i>Macolor</i> | | | | | |
| <i>Macolor niger</i> (Forsskål, 1775) | RFA | | LC | 4.0 | r1 |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|---|---------------|------------------|-------------|---------------|---------------|
| Genus <i>Paracaesio</i> | | | | | |
| <i>Paracaesio sordida</i> Abe & Shinohara, 1962 | RFA | | LC | 2.8 | r1 |
| <i>Paracaesio xanthura</i> (Bleeker, 1869) | RFA | | LC | 3.4 | r1 |
| Genus <i>Pristipomoides</i> | | | | | |
| <i>Pristipomoides argyrogrammicus</i> (Valenciennes, 1832) | RFA | | LC | 4.2 | r1 |
| <i>Pristipomoides auricilla</i> (Jordan, Evermann & Tanaka, 1927) | BEP | | LC | 3.9 | r1 |
| <i>Pristipomoides filamentosus</i> (Valenciennes, 1830) | BEP | | LC | 4.2 | r1 |
| <i>Pristipomoides flavipinnis</i> Shinohara, 1963 | RFA | | LC | 3.6 | r1 |
| <i>Pristipomoides multidens</i> (Day, 1871) | DEM | | LC | 3.8 | r1,r7 |
| <i>Pristipomoides sieboldii</i> (Bleeker, 1855) | BEP | | LC | 3.7 | r5 |
| Genus <i>Symphorichthys</i> | | | | | |
| <i>Symphorichthys spilurus</i> (Günther, 1874) | RFA | | LC | 3.8 | r1 |
| Family Caesionidae | | | | | |
| Genus <i>Caesio</i> | | | | | |
| <i>Caesio caeruleaurea</i> Lacepède, 1801 | RFA | | LC | 3.4 | r1,r11 |
| <i>Caesio lunaris</i> Cuvier, 1830 | RFA | | LC | 3.4 | r1,r7 |
| <i>Caesio teres</i> Seale, 1906 | RFA | | LC | 3.4 | r6 |
| <i>Caesio xanthonota</i> Bleeker, 1853 | RFA | | LC | 3.4 | r1 |
| Genus <i>Pterocaesio</i> | | | | | |
| <i>Pterocaesio digramma</i> (Bleeker, 1864) | RFA | | LC | 3.4 | r1,r6,r7 |
| <i>Pterocaesio tile</i> (Cuvier, 1830) | RFA | | LC | 3.3 | r1,r6,r11 |
| * <i>Pterocaesio trilineata</i> Carpenter, 1987 | RFA | | LC | 3.4 | r10,r11 |
| Family Gerridae | | | | | |
| Genus <i>Gerres</i> | | | | | |
| <i>Gerres filamentosus</i> Cuvier, 1829 | DEM; AMP | | LC | 3.3 | r1 |
| <i>Gerres longirostris</i> (Lacepède, 1801) | RFA | | LC | 3.5 | r1 |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|---|---------------|--------------------------------|-------------|---------------|---------------|
| <i>Gerres oblongus</i> Cuvier, 1830 | RFA | | LC | 3.5 | r1 |
| <i>Gerres oyena</i> (Forsskål, 1775) | RFA | | LC | 2.7 | r1 |
| Family Callionymidae | | | | | |
| Genus <i>Neosynchiropus</i> | | | | | |
| <i>Neosynchiropus ocellatus</i> (Pallas, 1770) | RFA | | | 3.2 | r1 |
| Family Haemulidae | | | | | |
| Genus <i>Diagramma</i> | | | | | |
| <i>Diagramma pictum</i> (Thunberg, 1792) | RFA | Reports of ciguatera poisoning | | 3.7 | r1 |
| Genus <i>Plectorhinchus</i> | | | | | |
| <i>Plectorhinchus chaetodonoides</i> Lacepède, 1801 | RFA | | | 3.8 | r1,r8,r11 |
| <i>Plectorhinchus diagrammus</i> (Linnaeus, 1758) | RFA | | | 4.0 | r1 |
| <i>Plectorhinchus flavomaculatus</i> (Cuvier, 1830) | RFA | | | 4.0 | r1 |
| <i>Plectorhinchus lineatus</i> (Linnaeus, 1758) | RFA | | | 3.9 | r1 |
| <i>Plectorhinchus picus</i> (Cuvier, 1828) | RFA | | | 3.9 | r1 |
| <i>Plectorhinchus vittatus</i> (Linnaeus, 1758) | RFA | | LC | 3.9 | r1,r11 |
| Family Nemipteridae | | | | | |
| Genus <i>Pentapodus</i> | | | | | |
| <i>Pentapodus caninus</i> (Cuvier, 1830) | RFA | | LC | 3.6 | r1,r11 |
| <i>Pentapodus nagasakiensis</i> (Tanaka, 1915) | RFA | | LC | 3.4 | r1 |
| Genus <i>Scolopsis</i> | | | | | |
| <i>Scolopsis aurata</i> (Park, 1797) | RFA | | LC | 3.6 | r1 |
| <i>Scolopsis bilineata</i> (Bloch, 1793) | RFA | | LC | 3.6 | r1,r11 |
| <i>Scolopsis lineata</i> Quoy & Gaimard, 1824 | RFA | | LC | 3.8 | r1,r8,r11 |
| <i>Scolopsis monogramma</i> (Cuvier, 1830) | RFA | | LC | 3.5 | r6 |
| <i>Scolopsis taenioptera</i> (Cuvier, 1830) | DEM | | LC | 3.9 | r1 |
| Family Lethrinidae | | | | | |
| Genus <i>Gnathodentex</i> | | | | | |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|--|---------------|--------------------------------|-------------|---------------|---------------|
| <i>Gnathodentex aureolineatus</i> (Lacepède, 1802) | RFA | Reports of ciguatera poisoning | LC | 3.7 | r1,r6,r7,r8 |
| Genus <i>Gymnocranius</i> | | | | | |
| <i>Gymnocranius griseus</i> (Temminck & Schlegel, 1843) | RFA | | LC | 3.2 | r1,r7 |
| Genus <i>Lethrinus</i> | | | | | |
| <i>Lethrinus haematopterus</i> Temminck & Schlegel, 1844 | RFA | | | 3.7 | r1 |
| <i>Lethrinus lentjan</i> (Lacepède, 1802) | RFA | | LC | 3.9 | r1,r7 |
| <i>Lethrinus miniatus</i> (Forster, 1801) | RFA | Reports of ciguatera poisoning | LC | 4.2 | r1 |
| <i>Lethrinus nebulosus</i> (Forsskål, 1775) | RFA | Reports of ciguatera poisoning | LC | 3.8 | r1,r6 |
| <i>Lethrinus ornatus</i> Valenciennes, 1830 | RFA | | LC | 3.4 | r1 |
| <i>Lethrinus rubrioperculatus</i> Sato, 1978 | RFA | | LC | 3.8 | r1,r11 |
| <i>Lethrinus variegatus</i> Valenciennes, 1830 | RFA | | LC | 3.8 | r1,r7 |
| <i>Lethrinus xanthochilus</i> Klunzinger, 1870 | RFA | | LC | 3.8 | r1 |
| Genus <i>Monotaxis</i> | | | | | |
| <i>Monotaxis grandoculis</i> (Forsskål, 1775) | RFA | Reports of ciguatera poisoning | LC | 3.4 | r1,r8,r11 |
| Genus <i>Pentapodus</i> | | | | | |
| <i>Pentapodus setosus</i> (Valenciennes, 1830) | RFA | | | 3.5 | r1 |
| Family Sparidae | | | | | |
| Genus <i>Dentex</i> | | | | | |
| <i>Dentex tumifrons</i> (Temminck & Schlegel, 1843) | DEM | | LC | 3.8 | r1 |
| Family Mullidae | | | | | |
| Genus <i>Mulloidichthys</i> | | | | | |
| <i>Mulloidichthys flavolineatus</i> (Lacepède, 1801) | RFA | | LC | 3.8 | r1 |
| <i>Mulloidichthys vanicolensis</i> (Valenciennes, 1831) | RFA | | LC | 3.6 | r1,r6 |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|---|---------------|--------------------------------|-------------|---------------|-----------------|
| Genus <i>Parupeneus</i> | | | | | |
| <i>Parupeneus barberinus</i> (Lacepède, 1801) | RFA | | LC | 3.4 | r1,r6,r7,r8,r11 |
| <i>Parupeneus ciliatus</i> (Lacepède, 1802) | RFA | | LC | 3.5 | r1,r6 |
| <i>Parupeneus crassilabris</i> (Valenciennes, 1831) | RFA | | LC | 3.6 | r6 |
| <i>Parupeneus cyclostomus</i> (Lacepède, 1801) | RFA | Reports of ciguatera poisoning | LC | 4.2 | r1,r6,r8,r11 |
| <i>Parupeneus forsskali</i> (Fourmanoir & Guézé, 1976) | RFA | | | 3.5 | r4,r6 |
| <i>Parupeneus multifasciatus</i> (Quoy & Gaimard, 1825) | RFA | | LC | 3.5 | r6,r8,r11 |
| <i>Parupeneus pleurostigma</i> (Bennett, 1831) | RFA | | LC | 3.4 | r1,r6 |
| <i>Parupeneus trifasciatus</i> (Lacepède, 1801) | RFA | | | 3.5 | r1,r11 |
| <i>Parupeneus heptacanthus</i> (Lacepède, 1802) | RFA | | LC | 3.4 | r7 |
| Genus <i>Upeneus</i> | | | | | |
| <i>Upeneus subvittatus</i> (Temminck & Schlegel, 1843) | DEM | | | 4.2 | r1 |
| Family Pempheridae | | | | | |
| Genus <i>Pempheris</i> | | | | | |
| <i>Pempheris oualensis</i> Cuvier, 1831 | RFA | | | 3.6 | r2,r6 |
| Family Kyphosidae | | | | | |
| Genus <i>Kyphosus</i> | | | | | |
| <i>Kyphosus cinerascens</i> (Forsskål, 1775) | RFA | Poisonous to eat | LC | 2.9 | r1 |
| <i>Kyphosus vaigiensis</i> (Quoy & Gaimard, 1825) | RFA; OD | | LC | 2.0 | r1 |
| Family Chaetodontidae | | | | | |
| Genus <i>Chaetodon</i> | | | | | |
| <i>Chaetodon adiergastos</i> Seale, 1910 | RFA | | LC | 3.5 | r1 |
| <i>Chaetodon auriga</i> Forsskål, 1775 | RFA | | LC | 3.7 | r1,r8,r11 |
| <i>Chaetodon auripes</i> Jordan & Snyder, 1901 | RFA | | LC | 3.5 | r6,r11 |
| <i>Chaetodon bennetti</i> Cuvier, 1831 | RFA | | | 3.1 | r1,9 |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|--|---------------|------------------|-------------|---------------|---------------|
| <i>Chaetodon citrinellus</i> Cuvier, 1831 | RFA | | LC | 3.5 | r1,r11 |
| <i>Chaetodon collare</i> Bloch, 1787 | RFA | | LC | 3.4 | r1 |
| <i>Chaetodon ephippium</i> Cuvier, 1831 | RFA | | LC | 3.0 | r1,r8 |
| <i>Chaetodon falcula</i> Bloch, 1795 | RFA | | LC | 3.5 | r1 |
| <i>Chaetodon guttatissimus</i> Bennett, 1833 | RFA | | LC | 3.1 | r1 |
| <i>Chaetodon kleinii</i> Bloch, 1790 | RFA | | LC | 2.9 | r1,r11 |
| <i>Chaetodon lineolatus</i> Cuvier, 1831 | RFA | | LC | 3.4 | r1,r11 |
| <i>Chaetodon lunula</i> (Lacepède, 1802) | RFA | | LC | 3.7 | r1,r6,r8 |
| <i>Chaetodon madagaskariensis</i> Ahl, 1923 | RFA | | LC | 2.8 | r1,r6,r11 |
| <i>Chaetodon melannotus</i> Bloch & Schneider, 1801 | RFA | | LC | 4.4 | r1,r6,r8 |
| <i>Chaetodon ornatissimus</i> Cuvier, 1831 | RFA | | LC | 3.3 | r1,r6,r11 |
| <i>Chaetodon punctatofasciatus</i> Cuvier, 1831 | RFA | | LC | 3.4 | r1,r6,r11 |
| <i>Chaetodon rafflesii</i> Anonymous [Bennett], 1830 | RFA | | LC | 4.3 | r2,r6,r11 |
| <i>Chaetodon semeion</i> Bleeker, 1855 | RFA | | LC | 2.7 | r1 |
| <i>Chaetodon speculum</i> Cuvier, 1831 | RFA | | LC | 3.6 | r1,r11 |
| <i>Chaetodon trifascialis</i> Quoy & Gaimard, 1825 | RFA | | NT | 3.3 | r1,r6,r11 |
| <i>Chaetodon trifasciatus</i> Park, 1797 | RFA | | LC | 3.3 | r1 |
| <i>Chaetodon ulietensis</i> Cuvier, 1831 | RFA | | LC | 2.7 | r6 |
| <i>Chaetodon unimaculatus</i> Bloch, 1787 | RFA | | LC | 3.3 | r1,r6 |
| <i>Chaetodon vagabundus</i> Linnaeus, 1758 | RFA | | LC | 2.9 | r1,r6,r11 |
| <i>Chaetodon wiebeli</i> Kaup, 1863 | RFA | | LC | 2.7 | r1,r6 |
| <i>Chaetodon xanthurus</i> Bleeker, 1857 | RFA | | LC | 2.8 | r6,r7,r8,r11 |
| <i>Chaetodon lunulatus</i> Quoy & Gaimard, 1825 | RFA | | LC | 3.3 | r10,r11 |
| Genus <i>Coradion</i> | | | | | |
| <i>Coradion chrysozonus</i> (Cuvier, 1831) | RFA | | LC | 2.8 | r1 |
| Genus <i>Forcipiger</i> | | | | | |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|---|---------------|------------------|-------------|---------------|---------------|
| <i>Forcipiger flavissimus</i> Jordan & McGregor, 1898 | RFA | | LC | 3.1 | r6,r11 |
| <i>Forcipiger longirostris</i> (Broussonet, 1782) | RFA | | LC | 3.5 | r1,r11 |
| Genus <i>Hemitaurichthys</i> | | | | | |
| <i>Hemitaurichthys polylepis</i> (Bleeker, 1857) | RFA | | LC | 3.1 | r6,r11 |
| <i>Hemitaurichthys zoster</i> (Bennett, 1831) | RFA | | LC | 3.3 | r1 |
| Genus <i>Heniochus</i> | | | | | |
| <i>Heniochus acuminatus</i> (Linnaeus, 1758) | RFA | | LC | 3.5 | r1 |
| <i>Heniochus chrysostomus</i> Cuvier, 1831 | RFA | | LC | 3.8 | r1,r8,r11 |
| <i>Heniochus monoceros</i> Cuvier, 1831 | RFA | | LC | 3.5 | r1 |
| <i>Heniochus singularis</i> Smith & Radcliffe, 1911 | RFA | | LC | 3.6 | r1 |
| <i>Heniochus varius</i> (Cuvier, 1829) | RFA | | LC | 3.2 | r1 |
| Genus <i>Roa</i> | | | | | |
| <i>Roa modesta</i> (Temminck & Schlegel, 1844) | RFA; OD | | LC | 3.5 | r1 |
| Genus <i>Parachaetodon</i> | | | | | |
| <i>Parachaetodon ocellatus</i> (Cuvier, 1831) | RFA | | LC | 2.8 | r1 |
| Family Pomacanthidae | | | | | |
| Genus <i>Apolemichthys</i> | | | | | |
| <i>Apolemichthys trimaculatus</i> (Cuvier, 1831) | RFA | | LC | 2.6 | r1,r11 |
| Genus <i>Centropyge</i> | | | | | |
| <i>Centropyge bispinosa</i> (Günther, 1860) | RFA | | LC | 2.8 | r1,r6,r8,r11 |
| <i>Centropyge heraldi</i> Woods & Schultz, 1953 | RFA | | LC | 2.8 | r1,r11 |
| <i>Centropyge vrolikii</i> (Bleeker, 1853) | RFA | | LC | 2.8 | r1,r6 |
| * <i>Centropyge tibicen</i> (Cuvier, 1831) | RFA | | LC | 2.8 | r11 |
| Genus <i>Genicanthus</i> | | | | | |
| <i>Genicanthus melanospilos</i> (Bleeker, 1857) | RFA | | LC | 3.4 | r1 |
| Genus <i>Pomacanthus</i> | | | | | |
| <i>Pomacanthus annularis</i> (Bloch, 1787) | RFA | | LC | 2.6 | r1 |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|--|---------------|------------------|-------------|---------------|---------------|
| <i>Pomacanthus imperator</i> (Bloch, 1787) | RFA | | LC | 2.7 | r1,r6,r11 |
| <i>Pomacanthus semicirculatus</i> (Cuvier, 1831) | RFA | | LC | 2.7 | r1 |
| <i>Pomacanthus sexstriatus</i> (Cuvier, 1831) | RFA | | LC | 2.6 | r1,r6 |
| Genus <i>Pygoplites</i> | | | | | |
| <i>Pygoplites diacanthus</i> (Boddaert, 1772) | RFA | | LC | 2.7 | r1,r6,r11 |
| Family Pentacerotidae | | | | | |
| Genus <i>Histiopaterus</i> | | | | | |
| <i>Histiopaterus typus</i> Temminck & Schlegel, 1844 | RFA | | | 3.5 | r1 |
| Family Theraponidae | | | | | |
| Genus <i>Therapon</i> | | | | | |
| <i>Therapon jarbua</i> (Forsskål, 1775) | DEM | | LC | 3.9 | r1 |
| <i>Therapon theraps</i> Cuvier, 1829 | RFA | | LC | 3.5 | r1 |
| Family Kuhliidae | | | | | |
| Genus <i>Kuhlia</i> | | | | | |
| <i>Kuhlia mugil</i> (Forster, 1801) | RFA | | LC | 3.8 | r1 |
| Family Cirrhitidae | | | | | |
| Genus <i>Cirrhitichthys</i> | | | | | |
| <i>Cirrhitichthys aureus</i> (Temminck & Schlegel, 1842) | RFA | | | 4.0 | r1 |
| <i>Cirrhitichthys falco</i> Randall, 1963 | RFA | | LC | 4.0 | r6,r11 |
| <i>Cirrhitichthys oxycephalus</i> (Bleeker, 1855) | RFA | | LC | 4.0 | r9,r10,r11 |
| Genus <i>Cirrhitus</i> | | | | | |
| <i>Cirrhitus pinnulatus</i> (Forster, 1801) | RFA | | LC | 3.7 | r1,r11 |
| Genus <i>Paracirrhites</i> | | | | | |
| <i>Paracirrhites arcatus</i> (Cuvier, 1829) | RFA | | LC | 3.6 | r1,r6,r11 |
| Family Pomacentridae | | | | | |
| Genus <i>Abudefduf</i> | | | | | |
| <i>Abudefduf septemfasciatus</i> (Cuvier, 1830) | RFA | | LC | 3.0 | r1 |
| <i>Abudefduf sexfasciatus</i> (Lacepède, 1801) | RFA | | LC | 2.7 | r1,r11 |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|---|---------------|--------------------------------|-------------|---------------|---------------|
| <i>Abudefduf sordidus</i> (Forsskål, 1775) | RFA | | LC | 2.9 | r1,r6,r7 |
| <i>Abudefduf vaigiensis</i> (Quoy & Gaimard, 1825) | RFA | Reports of ciguatera poisoning | LC | 2.6 | r1,r6,r8,r11 |
| * <i>Abudefduf bengalensis</i> (Bloch, 1787) | RFA | | LC | 3.1 | r11 |
| Genus <i>Amblyglyphidodon</i> | | | | | |
| <i>Amblyglyphidodon aureus</i> (Cuvier, 1830) | RFA | | LC | 2.7 | r1 |
| <i>Amblyglyphidodon leucogaster</i> (Bleeker, 1847) | RFA | | LC | 3.4 | r1,r6,r11 |
| <i>Amblyglyphidodon curacao</i> (Bloch, 1787) | RFA | | LC | 2.6 | r8,r11 |
| Genus <i>Amphiprion</i> | | | | | |
| <i>Amphiprion akallopisos</i> Bleeker, 1853 | RFA | | LC | 2.7 | r1 |
| <i>Amphiprion bicinctus</i> Rüppell, 1830 | RFA | | LC | 2.7 | r1 |
| <i>Amphiprion clarkii</i> (Bennett, 1830) | RFA | | | 2.9 | r6,r11 |
| <i>Amphiprion frenatus</i> Brevoort, 1856 | RFA | | LC | 2.7 | r1,r6,r11 |
| <i>Amphiprion perideraion</i> Bleeker, 1855 | RFA | | LC | 2.2 | r1,r6 |
| * <i>Amphiprion percula</i> (Lacepède, 1802) | RFA | | LC | 2.7 | r11 |
| Genus <i>Chromis</i> | | | | | |
| <i>Chromis chrysur</i> (Bliss, 1883) | RFA | | | 3.0 | r1 |
| <i>Chromis dimidiata</i> (Klunzinger, 1871) | RFA | | LC | 2.7 | r1 |
| <i>Chromis margaritifer</i> Fowler, 1946 | RFA | | | 3.0 | r6,r11 |
| <i>Chromis notata</i> (Temminck & Schlegel, 1843) | RFA | | | 3.4 | r1 |
| <i>Chromis ternatensis</i> (Bleeker, 1856) | RFA | | | 3.4 | r1,r6 |
| <i>Chromis xanthura</i> (Bleeker, 1854) | RFA | | | 3.4 | r1,r11 |
| * <i>Chromis fumea</i> (Tanaka, 1917) | RFA | | LC | 3.4 | r11 |
| * <i>Chromis lepidolepis</i> Bleeker, 1877 | RFA | | | 3.4 | r11 |
| <i>Chromis ovatiformes</i> Fowler, 1946 | RFA | | | 3.4 | r9,r10,r11 |
| * <i>Chromis caudalis</i> Randall, 1988 | RFA | | LC | 3.0 | r11 |
| * <i>Chromis viridis</i> (Cuvier, 1830) | RFA | | | 2.9 | r9,r11 |
| Genus <i>Chrysiptera</i> | | | | | |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|---|---------------|------------------|-------------|---------------|---------------|
| <i>Chrysiptera biocellata</i> (Quoy & Gaimard, 1825) | RFA | | | 2.0 | r1,r8,r11 |
| <i>Chrysiptera brownriggii</i> (Bennett, 1828) | RFA | | | 2.7 | r1 |
| <i>Chrysiptera cyanea</i> (Quoy & Gaimard, 1825) | RFA | | | 2.5 | r1,r6 |
| <i>Chrysiptera glauca</i> (Cuvier, 1830) | RFA | | | 2.4 | r1 |
| <i>Chrysiptera chrysocephala</i> Manica, Pilcher & Oakley, 2002 | PN | | | 2.7 | r9,r11 |
| * <i>Chrysiptera unimaculata</i> (Cuvier, 1830) | RFA | | LC | 2.1 | r11 |
| * <i>Chrysiptera talboti</i> (Allen, 1975) | RFA | | | 2.8 | r11 |
| Genus <i>Dascyllus</i> | | | | | |
| <i>Dascyllus aruanus</i> (Linnaeus, 1758) | RFA | | | 3.3 | r1,r8,r11 |
| <i>Dascyllus marginatus</i> (Rüppell, 1829) | RFA | | | 2.7 | r1 |
| <i>Dascyllus reticulatus</i> (Richardson, 1846) | RFA | | | 3.1 | r6 |
| <i>Dascyllus trimaculatus</i> (Rüppell, 1829) | RFA | | | 2.8 | r1,r6,r11 |
| <i>Dascyllus reticulatus</i> (Richardson, 1846) | RFA | | | 3.1 | r9,r10,r11 |
| Genus <i>Dischistodus</i> | | | | | |
| <i>Dischistodus melanotus</i> (Bleeker, 1858) | RFA | | | 2.0 | r1,r6,r8,r11 |
| <i>Dischistodus perspicillatus</i> (Cuvier, 1830) | RFA | | | 2.0 | r1,r6,r8,r11 |
| * <i>Dischistodus pseudochrysopecilus</i> (Allen & Robertson, 1974) | RFA | | | 2.0 | r11 |
| <i>Dischistodus prosopotaenia</i> (Bleeker, 1852) | | | | 2.7 | r8,r11 |
| * <i>Dischistodus chrysopecilus</i> (Schlegel & Müller, 1839) | RFA | | | | r11 |
| Genus <i>Hemiglyphidodon</i> | | | | | |
| <i>Hemiglyphidodon plagiometopon</i> (Bleeker, 1852) | RFA | | | 2.0 | r1 |
| Genus <i>Neoglyphidodon</i> | | | | | |
| <i>Neoglyphidodon melas</i> (Cuvier, 1830) | RFA | | | 3.4 | r1,r6 |
| <i>Neoglyphidodon thoracotaeniatus</i> (Fowler & Bean, 1928) | RFA | | | 2.7 | r1,r6 |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|---|---------------|------------------|-------------|---------------|---------------|
| Genus <i>Neopomacentrus</i> | | | | | |
| <i>Neopomacentrus azysron</i> (Bleeker, 1877) | RFA | | | 3.4 | r6 |
| Genus <i>Plectroglyphidodon</i> | | | | | |
| <i>Plectroglyphidodon dickii</i> (Liénard, 1839) | RFA | | | 3.7 | r1,r6,r11 |
| <i>Plectroglyphidodon lacrymatus</i> (Quoy & Gaimard, 1825) | RFA | | | 2.2 | r1,r6,r8,r11 |
| <i>Plectroglyphidodon leucozonus</i> (Bleeker, 1859) | RFA | | | 2.0 | r8 |
| Genus <i>Pomacentrus</i> | | | | | |
| <i>Pomacentrus brachialis</i> Cuvier, 1830 | RFA | | | 2.6 | r1 |
| <i>Pomacentrus coelestis</i> Jordan & Starks, 1901 | RFA | | | 3.2 | r6,r8,r11 |
| <i>Pomacentrus moluccensis</i> Bleeker, 1853 | RFA | | | 2.4 | r1,r6,r8,r11 |
| <i>Pomacentrus pavo</i> (Bloch, 1787) | RFA | | | 3.0 | r1,r11 |
| <i>Pomacentrus philippinus</i> Evermann & Seale, 1907 | RFA | | | 2.7 | r1,r6,r8,r11 |
| <i>Pomacentrus tripunctatus</i> Cuvier, 1830 | RFA | | | 2.0 | r1 |
| <i>Pomacentrus vaiuli</i> Jordan & Seale, 1906 | RFA | | | 3.1 | r8,r11 |
| <i>Pomacentrus bankanensis</i> Bleeker, 1854 | RFA | | | 2.7 | r8,r11 |
| Genus <i>Pomachromis</i> | | | | | |
| <i>Pomachromis richardsoni</i> (Snyder, 1909) | RFA | | | 3.0 | r1 |
| Genus <i>Stegastes</i> | | | | | |
| <i>Stegastes albifasciatus</i> (Schlegel & Müller, 1839) | RFA | | | 2.0 | r1,r8 |
| <i>Stegastes fasciolatus</i> (Ogilby, 1889) | RFA | | | 2.2 | r1,r8,r11 |
| <i>Stegastes lividus</i> (Forster, 1801) | RFA | | | | r1 |
| * <i>Stegastes insularis</i> Allen & Emery, 1985 | RFA | | | 2.0 | r11 |
| <i>Stegastes lividus</i> (Forster, 1801) | RFA | | | 2.0 | r1 |
| <i>Stegastes nigricans</i> (Lacepède, 1802) | RFA | Traumatogenic | | 2.2 | r1 |
| Family Labridae | | | | | |
| Genus <i>Anampses</i> | | | | | |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|---|---------------|--------------------------------|-------------|---------------|---------------|
| <i>Anampses caeruleopunctatus</i> Rüppell, 1829 | RFA | | | 3.4 | r1 |
| <i>Anampses melanurus</i> Bleeker, 1857 | RFA | | LC | 3.4 | r1,r11 |
| <i>Anampses meleagrides</i> Valenciennes, 1840 | RFA | | LC | 3.5 | r1 |
| <i>Anampses twistii</i> Bleeker, 1856 | RFA | | LC | 3.5 | r1 |
| Genus <i>Bodianus</i> | | | | | |
| <i>Bodianus axillaris</i> (Bennett, 1832) | RFA | | LC | 3.4 | r1,r11 |
| <i>Bodianus bilunulatus</i> (Lacepède, 1801) | RFA | | LC | 3.4 | r1,r8 |
| <i>Bodianus loxozonus</i> (Snyder, 1908) | RFA | | LC | 3.6 | r6 |
| <i>Bodianus macrourus</i> (Lacepède, 1801) | RFA | | LC | 3.5 | r1 |
| <i>Bodianus mesothorax</i> (Bloch & Schneider, 1801) | RFA | | LC | 3.2 | r6 |
| <i>Bodianus oxycephalus</i> (Bleeker, 1862) | RFA | | | 3.5 | r1 |
| Genus <i>Cheilinus</i> | | | | | |
| <i>Cheilinus chlorourus</i> (Bloch, 1791) | RFA | | LC | 3.5 | r1,r6 |
| <i>Cheilinus fasciatus</i> (Bloch, 1791) | RFA | | LC | 3.4 | r1,r6,r8 |
| <i>Cheilinus oxycephalus</i> Bleeker, 1853 | RFA | | LC | 3.4 | r1 |
| <i>Cheilinus trilobatus</i> Lacepède, 1801 | RFA | | LC | 3.9 | r1,r11 |
| <i>Cheilinus undulatus</i> Rüppell, 1835 | RFA | Reports of ciguatera poisoning | EN | 4.0 | r1,r11 |
| Genus <i>Cheilio</i> | | | | | |
| <i>Cheilio inermis</i> (Forsskål, 1775) | RFA | | LC | 3.5 | r1 |
| <i>Choerodon melanostigma</i> Fowler & Bean, 1928 | RFA | | LC | 3.5 | r1 |
| <i>Choerodon schoenleinii</i> (Valenciennes, 1839) | RFA | | NT | 3.4 | r1 |
| Genus <i>Cirrhilabrus</i> | | | | | |
| <i>Cirrhilabrus melanomarginatus</i> Randall & Shen, 1978 | RFA | | LC | 3.4 | r6,r11 |
| <i>Cirrhilabrus solorensis</i> Bleeker, 1853 | RFA | | | 3.4 | r1 |
| <i>Cirrhilabrus brunneus</i> Allen, 2006 | | | | 3.2 | r1 |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|---|---------------|--------------------------------|-------------|---------------|---------------|
| <i>Cirrhilabrus cyanopleura</i> (Bleeker, 1851) | RFA | | | 3.4 | r9,r11 |
| * <i>Cirrhilabrus exquisitus</i> Smith, 1957 | RFA | | | 3.4 | r10,r11 |
| Genus <i>Coris</i> | | | | | |
| <i>Coris gaimard</i> (Quoy & Gaimard, 1824) | RFA | Reports of ciguatera poisoning | LC | 3.5 | r1,r11 |
| * <i>Coris aygula</i> Lacepède, 1801 | RFA | | LC | 3.7 | r11 |
| <i>Coris dorsomacula</i> Fowler, 1908 | RFA | | LC | 3.5 | r9,r10,r11 |
| Genus <i>Cymolutes</i> | | | | | |
| <i>Cymolutes lecluse</i> (Quoy & Gaimard, 1824) | RFA | | LC | 4.2 | r1 |
| Genus <i>Epibulus</i> | | | | | |
| <i>Epibulus insidiator</i> (Pallas, 1770) | RFA | Reports of ciguatera poisoning | LC | 4.0 | r1,r8,r11 |
| Genus <i>Gomphosus</i> | | | | | |
| <i>Gomphosus varius</i> Lacepède, 1801 | RFA | | LC | 3.7 | r1,r11 |
| Genus <i>Halichoeres</i> | | | | | |
| <i>Halichoeres biocellatus</i> Schultz, 1960 | RFA | | LC | 3.4 | r11 |
| <i>Halichoeres chrysus</i> Randall, 1981 | RFA | | LC | 3.4 | r6 |
| <i>Halichoeres hartzfeldii</i> (Bleeker, 1852) | RFA | | LC | 3.5 | r1 |
| <i>Halichoeres hortulanus</i> (Lacepède, 1801) | RFA | | LC | 3.4 | r1,r6,r8,r11 |
| <i>Halichoeres margaritaceus</i> (Valenciennes, 1839) | RFA | | LC | 3.7 | r1,r11 |
| <i>Halichoeres marginatus</i> Rüppell, 1835 | RFA | | LC | 3.2 | r1,r11 |
| <i>Halichoeres prosopeion</i> (Bleeker, 1853) | RFA | | LC | 3.5 | r3,r11 |
| <i>Halichoeres nigrescens</i> (Bloch & Schneider, 1801) | RFA | | LC | 3.4 | r1,r11 |
| * <i>Halichoeres melasmapomus</i> Randall, 1981 | RFA | | LC | 3.5 | r11 |
| <i>Halichoeres trimaculatus</i> (Quoy & Gaimard, 1834) | RFA | | LC | 3.5 | r1,r8,r11 |
| * <i>Halichoeres zeylonicus</i> (Bennett, 1833) | RFA | | LC | 3.5 | r11 |
| Genus <i>Hemigymnus</i> | | | | | |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|--|---------------|--------------------------------|-------------|---------------|---------------|
| <i>Hemigymnus fasciatus</i> (Bloch, 1792) | RFA | | LC | 3.5 | r1,r6,r11 |
| <i>Hemigymnus melapterus</i> (Bloch, 1791) | RFA | | LC | 3.6 | r1,r6,r11 |
| Genus <i>Hologymnosus</i> | | | | | |
| <i>Hologymnosus annulatus</i> (Lacepède, 1801) | RFA | | LC | 4.2 | r1,r11 |
| <i>Hologymnosus doliatus</i> (Lacepède, 1801) | RFA | | LC | 3.8 | r9,r10,r11 |
| Genus <i>Iniistius</i> | | | | | |
| <i>Iniistius aneitensis</i> (Günther, 1862) | RFA | | LC | 3.5 | r1 |
| <i>Iniistius melanopus</i> (Bleeker, 1857) | RFA | | LC | 3.5 | r1 |
| <i>Iniistius pavo</i> (Valenciennes, 1840) | RFA | | LC | 3.5 | r1 |
| Genus <i>Labrichthys</i> | | | | | |
| <i>Labrichthys unilineatus</i> (Guichenot, 1847) | RFA | | LC | 3.3 | r1,r6 |
| Genus <i>Labroides</i> | | | | | |
| <i>Labroides bicolor</i> Fowler & Bean, 1928 | RFA | | LC | 4.0 | r6,r11 |
| <i>Labroides dimidiatus</i> (Valenciennes, 1839) | RFA | | LC | 3.5 | r1,r6,r11 |
| Genus <i>Labropsis</i> | | | | | |
| <i>Labropsis manabei</i> Schmidt, 1931 | RFA | | LC | 3.3 | r1,r6 |
| Genus <i>Macropharyngodon</i> | | | | | |
| <i>Macropharyngodon meleagris</i> (Valenciennes, 1839) | RFA | | LC | 3.1 | r1,r8,r11 |
| Genus <i>Novaculichthys</i> | | | | | |
| <i>Novaculichthys taeniourus</i> (Lacepède, 1801) | RFA | | LC | 3.3 | r1 |
| Genus <i>Oxycheilinus</i> | | | | | |
| <i>Oxycheilinus celebicus</i> (Bleeker, 1853) | RFA | | LC | 3.8 | r1,r11 |
| <i>Oxycheilinus digramma</i> (Lacepède, 1801) | RFA | | LC | 3.7 | r1,r11 |
| <i>Oxycheilinus mentalis</i> (Rüppell, 1828) | RFA | | LC | 3.8 | r1 |
| <i>Oxycheilinus orientalis</i> (Günther, 1862) | RFA | | LC | 3.8 | r1 |
| <i>Oxycheilinus unifasciatus</i> (Streets, 1877) | RFA | Reports of ciguatera poisoning | LC | 4.1 | r6,r11 |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|---|---------------|------------------|-------------|---------------|---------------|
| <i>Oxycheilinus bimaculatus</i> (Valenciennes, 1840) | RFA | | LC | 3.5 | r9,r11 |
| Genus <i>Pseudocheilinus</i> | | | | | |
| <i>Pseudocheilinus evanidus</i> Jordan & Evermann, 1903 | RFA | | LC | 3.5 | r11 |
| <i>Pseudocheilinus hexataenia</i> (Bleeker, 1857) | RFA | | LC | 3.2 | r1,r6 |
| Genus <i>Pseudocoris</i> | | | | | |
| <i>Pseudocoris yamashiroi</i> (Schmidt, 1931) | RFA | | LC | 3.4 | r1 |
| Genus <i>Pteragogus</i> | | | | | |
| <i>Pteragogus flagellifer</i> (Valenciennes, 1839) | RFA | | LC | 3.5 | r1 |
| Genus <i>Stethojulis</i> | | | | | |
| <i>Stethojulis balteata</i> (Quoy & Gaimard, 1824) | RFA | | LC | 3.5 | r1 |
| <i>Stethojulis bandanensis</i> (Bleeker, 1851) | RFA | | LC | 3.2 | r1,r11 |
| <i>Stethojulis interrupta</i> (Bleeker, 1851) | RFA | | LC | 3.4 | r1,r8 |
| <i>Stethojulis strigiventer</i> (Bennett, 1833) | RFA | | LC | 3.1 | r1,r11 |
| Genus <i>Thalassoma</i> | | | | | |
| <i>Thalassoma cupido</i> (Temminck & Schlegel, 1845) | DEM | | LC | 3.5 | r6 |
| <i>Thalassoma hardwicke</i> (Bennett, 1830) | RFA | | LC | 3.5 | r1,r6,r8,r11 |
| <i>Thalassoma lunare</i> (Linnaeus, 1758) | RFA | | LC | 3.5 | r1,r6,r11 |
| <i>Thalassoma purpureum</i> (Forsskål, 1775) | RFA | | LC | 3.8 | r1,r6 |
| <i>Thalassoma quinquevittatum</i> (Lay & Bennett, 1839) | RFA | | LC | 3.6 | r1,r6,r11 |
| <i>Thalassoma trilobatum</i> (Lacepède, 1801) | RFA | | LC | 3.8 | r1,r6 |
| <i>Thalassoma lutescens</i> (Lay & Bennett, 1839) | RFA | | LC | 3.7 | r9,r10,r11 |
| <i>Thalassoma amblycephalum</i> (Bleeker, 1856) | RFA | | LC | 3.1 | r9,r10,r11 |
| Family Scaridae | | | | | |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|--|---------------|--------------------------------|-------------|---------------|-----------------|
| Genus <i>Calotomus</i> | | | | | |
| <i>Calotomus japonicus</i> (Valenciennes, 1840) | RFA | | LC | 2.0 | r1 |
| <i>Calotomus spinidens</i> (Quoy & Gaimard, 1824) | RFA | | LC | 2.0 | r1 |
| Genus <i>Cetoscarus</i> | | | | | |
| <i>Cetoscarus bicolor</i> (Rüppell, 1829) | RFA | | LC | 2.0 | r1,r11 |
| Genus <i>Chlorurus</i> | | | | | |
| <i>Chlorurus microrhinos</i> (Bleeker, 1854) | RFA | Reports of ciguatera poisoning | LC | 2.6 | r1 |
| <i>Chlorurus sordidus</i> (Forsskål, 1775) | RFA; OD | Reports of ciguatera poisoning | LC | 2.6 | r1,r6,r7,r8,r11 |
| <i>Chlorurus gibbus</i> (Rüppell, 1829) | RFA | Reports of ciguatera poisoning | LC | 2.0 | r1 |
| <i>Chlorurus bleekeri</i> (de Beaufort, 1940) | RFA | | LC | 2.0 | r10,r11 |
| <i>Chlorurus japanensis</i> (Bloch, 1789) | RFA | | LC | 2.0 | r6,r9,r10,r11 |
| Genus <i>Hipposcarus</i> | | | | | |
| <i>Hipposcarus longiceps</i> (Valenciennes, 1840) | RFA | | LC | 2.0 | r1 |
| Genus <i>Leptoscarus</i> | | | | | |
| <i>Leptoscarus vaiagensis</i> (Quoy & Gaimard, 1824) | RFA | | LC | 2.0 | r1 |
| Genus <i>Scarus</i> | | | | | |
| <i>Scarus dimidiatus</i> Bleeker, 1859 | RFA | | LC | 2.0 | r1,r8,r11 |
| <i>Scarus ferrugineus</i> Forsskål, 1775 | RFA | | LC | 2.0 | r1,r7 |
| <i>Scarus festivus</i> Valenciennes, 1840 | RFA | | LC | 2.0 | r1,r11 |
| <i>Scarus forsteni</i> (Bleeker, 1861) | RFA | | LC | 2.0 | r1,r8,r11 |
| <i>Scarus frenatus</i> Lacepède, 1802 | RFA | | LC | 2.0 | r1,r11 |
| <i>Scarus ghobban</i> Forsskål, 1775 | RFA | | LC | 2.0 | r1 |
| <i>Scarus globiceps</i> Valenciennes, 1840 | RFA | | LC | 2.0 | r1,r11 |
| <i>Scarus niger</i> Forsskål, 1775 | RFA | | LC | 2.0 | r1,r11 |
| <i>Scarus oviceps</i> Valenciennes, 1840 | RFA | | LC | 2.0 | r1,r7,r11 |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|--|---------------|------------------|-------------|---------------|---------------|
| <i>Scarus prasiognathos</i> Valenciennes, 1840 | RFA | | LC | 2.0 | r1,r7 |
| <i>Scarus psittacus</i> Forsskål, 1775 | RFA | | LC | 2.0 | r1,r7,r11 |
| <i>Scarus rivulatus</i> Valenciennes, 1840 | RFA | | LC | 2.0 | r1,r11 |
| <i>Scarus rubroviolaceus</i> Bleeker, 1847 | RFA | | LC | 2.0 | r1 |
| <i>Scarus scaber</i> Valenciennes, 1840 | RFA | | LC | 2.0 | r1 |
| <i>Scarus tricolor</i> Bleeker, 1847 | RFA | | LC | 2.0 | r1,r7 |
| <i>Scarus schlegeli</i> (Bleeker, 1861) | RFA | | LC | 2.0 | r9,r10,r11 |
| Family Pinguipedidae | | | | | |
| Genus <i>Parapercis</i> | | | | | |
| <i>Parapercis clathrata</i> Ogilby, 1910 | RFA | | | 3.6 | r1,r11 |
| <i>Parapercis cylindrica</i> (Bloch, 1792) | RFA | | | 3.0 | r1,r8,r11 |
| <i>Parapercis pacifica</i> Imamura & Yoshino, 2007 | RFA | | | 3.6 | r1,r6,r8,r11 |
| * <i>Parapercis millepunctata</i> (Günther, 1860) | RFA | | | 3.5 | r11 |
| * <i>Parapercis xanthozona</i> (Bleeker, 1849) | RFA | | LC | 3.6 | r11 |
| <i>Parapercis hexophthalma</i> (Cuvier, 1829) | RFA | | | 3.6 | r11 |
| Family Uranoscopidae | | | | | |
| Genus <i>Uranoscopidae</i> | | | | | |
| <i>Uranoscopus japonicus</i> Houttuyn, 1782 | BAD | Venomous | LC | 4.0 | r1 |
| Family Tripterygiidae | | | | | |
| Genus <i>Helcogramma</i> | | | | | |
| * <i>Helcogramma chica</i> Rosenblatt, 1960 | RFA | | LC | 3.0 | r11 |
| Family Blenniidae | | | | | |
| Genus <i>Aspidontus</i> | | | | | |
| <i>Aspidontus tractus</i> Fowler, 1903 | RFA | | | 2.9 | r1 |
| <i>Aspidontus taeniatus</i> Quoy & Gaimard, 1834 | | | | 3.8 | r8,r11 |
| Genus <i>Blenniella</i> | | | | | |
| <i>Blenniella periphthalmus</i> (Valenciennes, 1836) | RFA | | LC | 3.3 | r1 |
| Genus <i>Cirripectes</i> | | | | | |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|---|---------------|------------------|-------------|---------------|---------------|
| <i>Cirripectes castaneus</i> (Valenciennes, 1836) | RFA | | LC | 2.0 | r6,r11 |
| <i>Cirripectes variolosus</i> (Valenciennes, 1836) | RFA | | LC | 2.0 | r1 |
| Genus <i>Entomacrodus</i> | | | | | |
| <i>Entomacrodus caudofasciatus</i> (Regan, 1909) | RFA | | LC | 2.0 | r1 |
| Genus <i>Istiblennius</i> | | | | | |
| <i>Istiblennius dussumieri</i> (Valenciennes, 1836) | RFA | | LC | 2.0 | r1 |
| <i>Istiblennius edentulus</i> (Forster & Schneider, 1801) | RFA | | LC | 2.0 | r1 |
| <i>Istiblennius lineatus</i> (Valenciennes, 1836) | RFA | | LC | 2.0 | r1 |
| Genus <i>Meiacanthus</i> | | | | | |
| <i>Meiacanthus atrodorsalis</i> (Günther, 1877) | RFA | Venomous | LC | 3.5 | r6 |
| Genus <i>Plagiotremus</i> | | | | | |
| <i>Plagiotremus rhinorhynchos</i> (Bleeker, 1852) | RFA | | LC | 4.5 | r6,r11 |
| <i>Plagiotremus tapeinosoma</i> (Bleeker, 1857) | RFA | Other | LC | 3.8 | r6,r11 |
| Genus <i>Salarias</i> | | | | | |
| <i>Salarias fasciatus</i> (Bloch, 1786) | RFA | | LC | 2.0 | r1 |
| Genus <i>praealticus</i> | | | | | |
| <i>Praealticus margaritatus</i> (Kendall & Radcliffe, 1912) | PN | | LC | 2.0 | r1 |
| Family Ptereleotridae | | | | | |
| Genus <i>Nemateleotris</i> | | | | | |
| <i>Nemateleotris magnifica</i> Fowler, 1938 | RFA | | LC | 3.1 | r6,r11 |
| Genus <i>Ptereleotris</i> | | | | | |
| <i>Ptereleotris evides</i> (Jordan & Hubbs, 1925) | RFA | | LC | 3.4 | r6,r11 |
| Family Gobiidae | | | | | |
| Genus <i>Acentrogobius</i> | | | | | |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|---|---------------|------------------|-------------|---------------|---------------|
| <i>Acentrogobius caninus</i> (Valenciennes, 1837) | DEM; AMP | Poisonous to eat | LC | 3.5 | r1 |
| Genus <i>Amblygobius</i> | | | | | |
| <i>Amblygobius albimaculatus</i> (Rüppell, 1830) | RFA | | | 2.6 | r1 |
| * <i>Amblygobius nocturnus</i> (Herre, 1945) | RFA | | | 2.7 | r11 |
| <i>Amblygobius phalaena</i> (Valenciennes, 1837) | RFA | | | 3.6 | r9,r11 |
| Genus <i>Asterropteryx</i> | | | | | |
| <i>Asterropteryx semipunctata</i> Rüppell, 1830 | RFA | | | 2.4 | r1 |
| Genus <i>Bathygobius</i> | | | | | |
| <i>Bathygobius fuscus</i> (Rüppell, 1830) | RFA | | LC | 3.4 | r1 |
| Genus <i>Callogobius</i> | | | | | |
| <i>Callogobius sclateri</i> (Steindachner, 1879) | RFA | | | 3.3 | r1 |
| Genus <i>Ctenogobiops</i> | | | | | |
| <i>Ctenogobiops feroculus</i> Lubbock & Polunin, 1977 | RFA | | LC | 3.4 | r8 |
| Genus <i>Eviota</i> | | | | | |
| <i>Eviota abax</i> (Jordan & Snyder, 1901) | RFA | | | 3.2 | r1 |
| <i>Eviota prasites</i> Jordan & Seale, 1906 | RFA | | LC | 3.1 | r9,r11 |
| Genus <i>Gobiodon</i> | | | | | |
| <i>Gobiodon erythrospilus</i> Bleeker, 1875 | RFA | | | 3.4 | r1 |
| <i>Gobiodon multilineatus</i> Wu, 1979 | RFA | | | 3.2 | r1 |
| <i>Gobiodon oculolineatus</i> Wu, 1979 | RFA | | | 3.2 | r1 |
| <i>Gobiodon okinawae</i> Sawada, Arai & Abe, 1972 | RFA | | | 3.2 | r1 |
| <i>Gobiodon quinquestrigatus</i> (Valenciennes, 1837) | RFA | | | 3.4 | r1 |
| Genus <i>Istigobius</i> | | | | | |
| <i>Istigobius ornatus</i> (Rüppell, 1830) | RFA | | LC | 3.5 | r1 |
| Genus <i>Paragobiodon</i> | | | | | |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|---|---------------|------------------|-------------|---------------|---------------|
| <i>Paragobiodon echinocephalus</i> (Rüppell, 1830) | RFA | | LC | 3.2 | r1 |
| <i>Paragobiodon melanosoma</i> (Bleeker, 1853) | RFA | | LC | 3.1 | r1 |
| <i>Paragobiodon xanthosoma</i> (Bleeker, 1853) | RFA | | LC | 3.2 | r1 |
| Genus <i>Priolepis</i> | | | | | |
| <i>Priolepis semidoliata</i> (Valenciennes, 1837) | RFA | | LC | 3.1 | r1 |
| Genus <i>Valenciennea</i> | | | | | |
| <i>Valenciennea longipinnis</i> (Lay & Bennett, 1839) | RFA | | | 3.0 | r1 |
| <i>Valenciennea strigata</i> (Broussonet, 1782) | RFA | | | 4.0 | r1,r6,r11 |
| Family Ehippidae | | | | | |
| Genus <i>Platax</i> | | | | | |
| <i>Platax orbicularis</i> (Forsskål, 1775) | RFA | | LC | 3.3 | r2 |
| <i>Platax teira</i> (Forsskål, 1775) | RFA; AMP | | LC | 4.0 | r2 |
| Family Siganidae | | | | | |
| Genus <i>Siganus</i> | | | | | |
| <i>Siganus argenteus</i> (Quoy & Gaimard, 1825) | RFA | Venomous | LC | 2.0 | r1 |
| <i>Siganus canaliculatus</i> (Park, 1797) | RFA; OD | Venomous | LC | 2.8 | r1 |
| <i>Siganus corallinus</i> (Valenciennes, 1835) | RFA | Venomous | LC | 2.0 | r1 |
| <i>Siganus fuscescens</i> (Houttuyn, 1782) | RFA | Venomous | LC | 2.0 | r1 |
| <i>Siganus guttatus</i> (Bloch, 1787) | RFA | Venomous | LC | 2.7 | r1,r7 |
| <i>Siganus puellus</i> (Schlegel, 1852) | RFA | Venomous | LC | 3.0 | r1,r11 |
| <i>Siganus punctatus</i> (Schneider & Forster, 1801) | RFA | Venomous | LC | 2.0 | r1,r11 |
| <i>Siganus spinus</i> (Linnaeus, 1758) | RFA | Venomous | LC | 2.0 | r1 |
| <i>Siganus virgatus</i> (Valenciennes, 1835) | RFA | Venomous | LC | 2.7 | r2 |
| <i>Siganus vulpinus</i> (Schlegel & Müller, 1845) | RFA | Venomous | LC | 2.7 | r1,r6 |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|---|---------------|--------------------------------|-------------|---------------|---------------|
| Family Acanthuridae | | | | | |
| Genus <i>Ctenochaetus</i> | | | | | |
| <i>Ctenochaetus striatus</i> (Quoy & Gaimard, 1825) | RFA | Reports of ciguatera poisoning | LC | 2.0 | r1,r6,r8,r11 |
| <i>Ctenochaetus cyanocheilus</i> Randall & Clements, 2001 | RFA | | LC | 2.0 | r9,r11 |
| Genus <i>Naso</i> | | | | | |
| <i>Naso annulatus</i> (Quoy & Gaimard, 1825) | RFA | Reports of ciguatera poisoning | LC | 2.1 | r3 |
| <i>Naso brachycentron</i> (Valenciennes, 1835) | RFA | | LC | 2.7 | r2 |
| <i>Naso brevirostris</i> (Cuvier, 1829) | RFA | Reports of ciguatera poisoning | LC | 2.2 | r1,r11 |
| <i>Naso hexacanthus</i> (Bleeker, 1855) | RFA | | LC | 3.1 | r1,r7,r11 |
| <i>Naso lituratus</i> (Forster, 1801) | RFA | Venomous | LC | 2.3 | r1,r6 |
| <i>Naso lopezi</i> Herre, 1927 | RFA | | LC | 2.9 | r2 |
| <i>Naso thynnoides</i> (Cuvier, 1829) | RFA | | LC | 3.0 | r1,r6 |
| <i>Naso unicornis</i> (Forsskål, 1775) | RFA | Reports of ciguatera poisoning | LC | 2.2 | r1 |
| <i>Naso vlamingii</i> (Valenciennes, 1835) | RFA | | LC | 2.2 | r1 |
| Genus <i>Prionurus</i> | | | | | |
| <i>Prionurus scalprum</i> Valenciennes, 1835 | RFA | Venomous | | 2.0 | r1,r7 |
| Genus <i>Zebrasoma</i> | | | | | |
| <i>Zebrasoma flavescens</i> (Bennett, 1828) | RFA | | LC | 2.0 | r1,r8 |
| <i>Zebrasoma scopas</i> (Cuvier, 1829) | RFA | | LC | 2.0 | r6,r8,r11 |
| <i>Zebrasoma velifer</i> (Bloch, 1795) | RFA | | LC | 2.0 | r1,r6,r8,r11 |
| Family Zanclidae | | | | | |
| Genus <i>Zanclus</i> | | | | | |
| <i>Zanclus cornutus</i> (Linnaeus, 1758) | RFA | | LC | 2.5 | r1,r6,r8,r11 |
| Family Acanthuridae | | | | | |
| Genus <i>Acanthurus</i> | | | | | |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|---|---------------|--------------------------------|-------------|---------------|---------------|
| <i>Acanthurus dussumieri</i> Valenciennes, 1835 | RFA | | LC | 2.0 | r1 |
| <i>Acanthurus gahhm</i> (Forsskål, 1775) | RFA | | LC | 2.0 | r4 |
| <i>Acanthurus japonicus</i> (Schmidt, 1931) | RFA | | LC | 2.0 | r6,r11 |
| <i>Acanthurus lineatus</i> (Linnaeus, 1758) | RFA | Venomous | LC | 2.0 | r1 |
| <i>Acanthurus mata</i> (Cuvier, 1829) | RFA | Venomous | LC | 2.5 | r1 |
| <i>Acanthurus nigricans</i> (Linnaeus, 1758) | RFA | | LC | 2.0 | r2 |
| <i>Acanthurus nigrofuscus</i> (Forsskål, 1775) | RFA | Reports of ciguatera poisoning | LC | 2.0 | r1,r7,r11 |
| <i>Acanthurus olivaceus</i> Bloch & Schneider, 1801 | RFA | | LC | 2.3 | r1,r6,r11 |
| <i>Acanthurus thompsoni</i> (Fowler, 1923) | RFA | | LC | 3.6 | r1 |
| <i>Acanthurus triostegus</i> (Linnaeus, 1758) | RFA | Reports of ciguatera poisoning | LC | 2.8 | r1,r6,r11 |
| <i>Acanthurus xanthopterus</i> Valenciennes, 1835 | RFA | Venomous | LC | 2.9 | r2 |
| Family Sphyrænidae | | | | | |
| Genus <i>Sphyaena</i> | | | | | |
| <i>Sphyaena barracuda</i> (Edwards, 1771) | RFA | Traumatogenic | LC | 4.5 | r1,r7 |
| <i>Sphyaena forsteri</i> Cuvier, 1829 | RFA | Reports of ciguatera poisoning | | 4.4 | r1,r7 |
| <i>Sphyaena helleri</i> Jenkins, 1901 | RFA | | | 4.5 | r1 |
| <i>Sphyaena obtusata</i> Cuvier, 1829 | RFA | | | 4.5 | r1 |
| Family Gempylidae | | | | | |
| Genus <i>Gempylus</i> | | | | | |
| <i>Gempylus serpens</i> Cuvier, 1829 | PEL; OD | | LC | 4.4 | r1 |
| Genus <i>Lepidocybium</i> | | | | | |
| <i>Lepidocybium flavobrunneum</i> (Smith, 1843) | BEP; OD | | LC | 4.3 | r1 |
| Genus <i>Promethichthys</i> | | | | | |
| <i>Promethichthys prometheus</i> (Cuvier, 1832) | BEP; OD | Reports of ciguatera poisoning | LC | 4.2 | r1 |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|--|---------------|--------------------------------|-------------|---------------|---------------|
| Genus <i>Rexea</i> | | | | | |
| <i>Rexea prometheoides</i> (Bleeker, 1856) | BEP | | | 4.2 | r3 |
| Genus <i>Ruvettus</i> | | | | | |
| <i>Ruvettus pretiosus</i> Cocco, 1833 | BEP; OD | Poisonous to eat | LC | 4.2 | r1,r7 |
| Genus <i>Thyrstitoides</i> | | | | | |
| <i>Thyrstitoides marleyi</i> Fowler, 1929 | BEP | | | 4.2 | r1,r7 |
| Family Scombridae | | | | | |
| Genus <i>Acanthocybium</i> | | | | | |
| <i>Acanthocybium solandri</i> (Cuvier, 1832) | PEL; OD | Reports of ciguatera poisoning | LC | 4.3 | r1 |
| Genus <i>Auxis</i> | | | | | |
| <i>Auxis thazard</i> (Lacepède, 1800) | PN; OD | | LC | 4.4 | r1 |
| Genus <i>Euthynnus</i> | | | | | |
| <i>Euthynnus affinis</i> (Cantor, 1849) | PN; OD | Reports of ciguatera poisoning | LC | 4.5 | r1 |
| Genus <i>Grammatorcynus</i> | | | | | |
| <i>Grammatorcynus bicarinatus</i> (Quoy & Gaimard, 1825) | RFA; OD | | LC | 4.5 | r1 |
| Genus <i>Gymnosarda</i> | | | | | |
| <i>Gymnosarda unicolor</i> (Rüppell, 1836) | RFA; OD | Reports of ciguatera poisoning | LC | 4.5 | r1 |
| Genus <i>Katsuwonus</i> | | | | | |
| <i>Katsuwonus pelamis</i> (Linnaeus, 1758) | PEL; OD | Reports of ciguatera poisoning | LC | 4.4 | r1 |
| Genus <i>Rastrelliger</i> | | | | | |
| <i>Rastrelliger kanagurta</i> (Cuvier, 1816) | PN; OD | | | 3.2 | r1 |
| Genus <i>Thunnus</i> | | | | | |
| <i>Thunnus albacares</i> (Bonnaterre, 1788) | PEL; OD | | NT | 4.4 | r1 |
| <i>Thunnus obesus</i> (Lowe, 1839) | PEL; OD | | VU | 4.5 | r1 |
| Family Xiphiidae | | | | | |
| Genus <i>Xiphias</i> | | | | | |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|---|---------------|--------------------------------|-------------|---------------|---------------|
| <i>Xiphias gladius</i> Linnaeus, 1758 | PEL; OD | | EN | 4.5 | r1 |
| Family Istiophoridae | | | | | |
| Genus <i>Histiophofus</i> | | | | | |
| <i>Istiophorus platypterus</i> (Shaw, 1792) | PEL; OD | | LC | 4.5 | r1 |
| Genus <i>Istiompax</i> | | | | | |
| <i>Istiompax indica</i> (Cuvier, 1832) | PEL; OD | | | 4.5 | r1 |
| Family Psettodidae | | | | | |
| Genus <i>Psettodes</i> | | | | | |
| <i>Psettodes erumei</i> (Bloch & Schneider, 1801) | DEM | | | 4.4 | r1 |
| Family Bothidae | | | | | |
| Genus <i>Bothus</i> | | | | | |
| <i>Bothus mancus</i> (Broussonet, 1782) | RFA | | LC | 4.4 | r1 |
| <i>Bothus pantherinus</i> (Rüppell, 1830) | RFA | | LC | 3.5 | r1 |
| Family Soleidae | | | | | |
| Genus <i>Aseraggodes</i> | | | | | |
| <i>Aseraggodes dubius</i> Weber, 1913 | DEM | | | 3.5 | r5 |
| Order Tetraodontiformes | | | | | |
| Family Balistidae | | | | | |
| Genus <i>Abalistes</i> | | | | | |
| <i>Abalistes stellatus</i> (Anonymous, 1798) | RFA | | | 3.4 | r1,r7 |
| Genus <i>Balistapus</i> | | | | | |
| <i>Balistapus undulatus</i> (Park, 1797) | | | | 3.4 | r1 |
| Genus <i>Balistes</i> | | | | | |
| <i>Balistes rotundatus</i> Marion de Procé, 1822 | RFA | Traumatogenic | | 3.5 | r1 |
| Genus <i>Balistoides</i> | | | | | |
| <i>Balistoides conspicillum</i> (Bloch & Schneider, 1801) | RFA | Reports of ciguatera poisoning | | 3.3 | r1 |
| <i>Balistoides viridescens</i> (Bloch & Schneider, 1801) | RFA | Reports of ciguatera poisoning | | 3.3 | r2 |
| Genus <i>Melichthys</i> | | | | | |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|---|---------------|--------------------------------|-------------|---------------|---------------|
| <i>Melichthys niger</i> (Bloch, 1786) | RFA | | LC | 2.4 | r2 |
| <i>Melichthys vidua</i> (Richardson, 1845) | RFA | | | 3.4 | r1,r11 |
| Genus <i>Odonus</i> | | | | | |
| <i>Odonus niger</i> (Rüppell, 1836) | RFA | | | 3.2 | r1 |
| Genus <i>Pseudobalistes</i> | | | | | |
| <i>Pseudobalistes flavimarginatus</i> (Rüppell, 1829) | RFA | Reports of ciguatera poisoning | | 2.8 | r1 |
| <i>Pseudobalistes fuscus</i> (Bloch & Schneider, 1801) | RFA | | | 4.0 | r1 |
| Genus <i>Rhinecanthus</i> | | | | | |
| <i>Rhinecanthus aculeatus</i> (Linnaeus, 1758) | RFA | | | 3.2 | r1,r11 |
| <i>Rhinecanthus rectangulus</i> (Bloch & Schneider, 1801) | RFA | | | 3.5 | r1,r11 |
| Genus <i>Sufflamen</i> | | | | | |
| <i>Sufflamen chrysopterum</i> (Bloch & Schneider, 1801) | RFA | | | 3.5 | r1,r11 |
| <i>Sufflamen fraenatum</i> (Latreille, 1804) | RFA; OD | | LC | 3.7 | r3,r6 |
| Genus <i>Xanthichthys</i> | | | | | |
| <i>Xanthichthys lineopunctatus</i> (Hollard, 1854) | RFA | | | 3.5 | r1 |
| <i>Xanthichthys auromarginatus</i> (Bennett, 1832) | RFA | | | 3.0 | r9,r11 |
| Family Monacanthidae | | | | | |
| Genus <i>Aluterus</i> | | | | | |
| <i>Aluterus scriptus</i> (Osbeck, 1765) | RFA | Reports of ciguatera poisoning | LC | 2.8 | r1 |
| Genus <i>Cantherhines</i> | | | | | |
| <i>Cantherhines dumerilii</i> (Hollard, 1854) | RFA | | LC | 3.1 | r1,r6,r11 |
| <i>Cantherhines pardalis</i> (Rüppell, 1837) | RFA | | LC | 3.5 | r1,r11 |
| Genus <i>Chaetodermis</i> | | | | | |
| <i>Chaetodermis penicilligerus</i> (Cuvier, 1816) | RFA | | LC | 2.8 | r1 |
| Genus <i>Oxymonacanthus</i> | | | | | |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|--|---------------|--------------------------------|-------------|---------------|---------------|
| <i>Oxymonacanthus longirostris</i> (Bloch & Schneider, 1801) | RFA | | VU | 3.3 | r1,r6 |
| Genus <i>Paraluteres</i> | | | | | |
| <i>Paraluteres prionurus</i> (Bleeker, 1851) | RFA | | LC | 2.7 | r6 |
| Genus <i>Pervagor</i> | | | | | |
| <i>Pervagor janthinosoma</i> (Bleeker, 1854) | RFA | | LC | 2.9 | r1 |
| <i>Pervagor melanocephalus</i> (Bleeker, 1853) | RFA | | LC | 2.9 | r1,r6 |
| Family Ostraciidae | | | | | |
| Genus <i>Lactoria</i> | | | | | |
| <i>Lactoria cornuta</i> (Linnaeus, 1758) | RFA | Reports of ciguatera poisoning | | 3.5 | r1 |
| Genus <i>Ostracion</i> | | | | | |
| <i>Ostracion cubicus</i> Linnaeus, 1758 | RFA | | | 3.4 | r1,r6 |
| <i>Ostracion meleagris</i> Shaw, 1796 | RFA | Venomous | | 2.7 | r2 |
| <i>Ostracion rhinorhynchos</i> Bleeker, 1851 | RFA | Venomous | | 3.5 | r2 |
| Family Tetraodontidae | | | | | |
| Genus <i>Arothron</i> | | | | | |
| <i>Arothron hispidus</i> (Linnaeus, 1758) | RFA | Poisonous to eat | LC | 3.2 | r1 |
| <i>Arothron meleagris</i> (Anonymous, 1798) | RFA | Poisonous to eat | LC | 3.6 | r1 |
| <i>Arothron nigropunctatus</i> (Bloch & Schneider, 1801) | RFA | Poisonous to eat | LC | 3.4 | r1,r6,r11 |
| <i>Arothron stellatus</i> (Anonymous, 1798) | RFA | Poisonous to eat | LC | 3.7 | r2 |
| Genus <i>Canthigaster</i> | | | | | |
| <i>Canthigaster jactator</i> (Jenkins, 1901) | RFA | | LC | 2.8 | r1 |
| <i>Canthigaster rivulata</i> (Temminck & Schlegel, 1850) | RFA | Venomous | LC | 3.1 | r1 |
| <i>Canthigaster valentini</i> (Bleeker, 1853) | RFA | Poisonous to eat | LC | 2.8 | r6,r11 |
| <i>Canthigaster coronata</i> (Vaillant & Sauvage, 1875) | Rfa | Other | LC | 3.5 | r10,r11 |
| Genus <i>Lagocephalus</i> | | | | | |

| Subclass, Order, Family, Genus, and species | Habitat types | Threat to humans | IUCN status | Trophic level | Other remarks |
|--|---------------|--------------------------------|-------------|---------------|---------------|
| <i>Lagocephalus lagocephalus</i> (Linnaeus, 1758) | BEP; OD | Other | LC | 3.7 | r1 |
| <i>Lagocephalus sceleratus</i> (Gmelin, 1789) | RFA | Poisonous to eat | LC | 3.7 | r1 |
| Genus <i>Sphoeroides</i> | | | | | |
| <i>Sphoeroides pachygaster</i> (Müller & Troschel, 1848) | BEP | | VU | 4.2 | r3 |
| Family Diodontidae | | | | | |
| Genus <i>Chilomycterus</i> | | | | | |
| <i>Chilomycterus reticulatus</i> (Linnaeus, 1758) | RFA | Venomous | LC | 3.5 | r2 |
| Genus <i>Diodon</i> | | | | | |
| <i>Diodon holocanthus</i> Linnaeus, 1758 | RFA | Reports of ciguatera poisoning | LC | 3.9 | r1 |
| <i>Diodon hystrix</i> Linnaeus, 1758 | RFA | Poisonous to eat | LC | 3.7 | r1 |
| <i>Diodon liturosus</i> Shaw, 1804 | RFA | Reports of ciguatera poisoning | | 3.5 | r2 |

Other abbreviations and references include: Institute, South China Sea Fisheries 1979 [r1], Li et al. 2007 [r2], Sun et al. 2004 [r3], Zeng 2004 [r4], Wang 1981 [r5], Gao et al. 2014 [r6], Wang et al. 2011 [r7], Yang et al. 2018 [r8], Huang 2018 [r9], Fu 2014 [r10] and the current study [r11].

Taxon treatment

Dischistodus pseudochrysopoecilus Allen & Robertson, 1974

Nomenclature

Common name: Monarch damsel

Material

Holotype:

- a. island: Xisha Island; country: China; stateProvince: Hainan

Taxon discussion

Maximum size of 18 cm Fig. 2. Dark brown (nearly black) with blue streak on each scale, blue lines and spots on head and white spot on middle of upper back. Coral thickets interspersed with open sand or dead coral in 1-5 m (Allen and Erdmann 2012).



Figure 2. [doi](#)

Dischistodus pseudochrysopecilus — a newly-recorded species in China

What we captured underwater in Xisha Islands is the state of the juvenile fish, which is very different from the adult fish. We have checked the main domestic fish checklists (Liu 2008, Chen and Zhang 2015, Shen and Wu 2011) and relevant literature, but there is no record of this species. Therefore, we believe it is a newly-recorded species in China.

Discussion

According to previous research, the order Perciforms is the most dominant order in the Xisha Islands (Li et al. 2007) and the major families in the Xisha Islands are Labridae and Pomacentridae (Gao et al. 2014) which concur with our study. Combined with studies over the years, in the past 20 years, *Hyperoglyphe perciformis* has been the dominant species in both underwater visual censuses and gillnet surveys.

The CFI value for the Xisha Archipelago was 229, such that we could estimate put it into the formula proposed by Allen 1988, we estimated that Xisha Islands had 756 coral reef fishes. However, only 690 species were found, which is relatively comprehensive, but there is still a need for more surveys in different seasons within different sites in the future.

In term of the IUCN Red List Anonymous (2020a), one species is Critically Endangered (*Glyphis gangeticus*); six species are Endangered (*Stegostoma fasciatum*, *Aetomylaeus maculatus*, *Aetomylaeus vespertilio*, *Epinephelus akaara*, *Cheilinus undulatus* and *Xiphias gladius*), 16 species are Vulnerable (*Nebrius ferrugineus*, *Alopias vulpinus*, *Carcharhinus albimarginatus*, *Carcharhinus falciformis*, *Carcharhinus longimanus*, *Hemigaleus microstoma*, *Sphyrna lewini*, *Rhina ancylostoma*, *Rhynchobatus djiddensis*, *Taeniurus meyeri*, *Urogymnus asperimus*, *Epinephelus fuscoguttatus*, *Plectropomus areolatus*, *Thunnus obesus*, *Oxymonacanthus longirostris* and *Sphoeroides pachygaster*) and 13 species are Near Threatened in the Xisha Archipelago (*Aetobatus narinari*, *Isurus*

oxyrinchus, *Atelomycterus marmoratus*, *Carcharhinus amblyrhynchoides*, *Carcharhinus limbatus*, *Galeocerdo cuvier*, *Prionace glauca*, *Scoliodon laticaudus*, *Triaenodon obesus*, *Hexanchus griseus*, *Chaetodon trifascialis*, *Choerodon schoenleinii* and *Thunnus albacares*). Thus, policy-makers and scientists should pay more attention to these species, by controlling coral reef degradation and overfishing and conducting coral reef restoration to strengthen the conservation of the fishes and the whole reef ecosystem. (Du et al. 2019). According to the data, 5.25% of the fish species are in the IUCN Red List, which is close to the number of the Redang Islands in Malaysia, at 5.1%.

Reef associated fish (FRA) are the dominant type in the Xisha Islands, which have 500 species. They constitute 83% of the total fish. Other types of fishes make up less than 5% of the total fish in the Xisha Islands.

According to Pauly et al. (2002), a trophic level of more than 3.5 is considered a high-grade carnivorous fish and nearly half (306 species) of all fishes in the Xisha Islands belong to this type.

Intriguingly, we found some species (for example: *Scolopsis aurata*) that were recorded in the Xisha Islands (Zeng 2004), but according to the Computer-Generated Native Distribution Map from Fishbase, this species currently is distributed in the Indian Ocean: Maldives, Sri Lanka and southern Indonesia. This may support the hypothesis of species shifting northwards, but more research is needed.

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Author contributions

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