Review Article

Biodiversity and Conservation of Fish in the Beibu Gulf

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ABSTRACT

The Beibu Gulf is one of the biodiversity hotspots in the global marine ecosystem, and an important fishing ground of East Asia. In the past several decades, multiple pressures including overfishing, habitats destruction, pollution and eutrophication, and non-native species have seriously threaten the biodiversity of fish in the Beibu Gulf. However, the information about fish fauna in this region is very poorly which limiting the conservation of fish biodiversity and sustainability of the fishery. In this study, we calculated taxonomic features of fish in the Beibu Gulf based on the sampling and observational field data obtained from the competent authorities. Our results indicate that 1519 species were recorded, which belongs to 42 orders and 198 families. Compared with earlier studies, the species richness of fish in Beibu Gulf has decreased significantly, especially in large predatory fish and demersal fish. Now, overfishing, habitats destruction, pollution and eutrophication, and non-native species are important threat to native fish biodiversity. The results shed light on the importance of conservation and ecosystem-based fishery management. For better to protect fish biodiversity and fisheries resources, more international cooperation on protected areas, fishing ban, and scientific research should be implemented for effectively protecting fish biodiversity and fisheries resource sustainability.

INTRODUCTION

Fishes are the most important members of vertebrates which contribute more than 50% of the total number of living vertebrate animals (Nelson, 2006). Fishes are also one of the seriously threatened animal groups (Bruton, 1995). Fishes are very important food and biological resources to humans. The production of fisheries and aquaculture reached 1.79 × 10^8 tons in 2018 (FAO, 2020). Biodiversity conservation of fishes has very high ecological and economic value and is the important cornerstone for human sustainable development (Worm and Branch, 2012). Compiling an inventory of fishes in a region is the preliminary step toward biodiversity conservation and sustainable development (Mora et al., 2008; Stephenson and Stengel, 2020). In the past thirty years, many researchers have paid attention to fish biodiversity in the freshwater ecosystems of continent (e.g. South America), large rivers (e.g. Yangtze River and Mekong River), and biodiversity hotspots such as Hainan Island and Leizhou Peninsula (Reis et al., 2016; Fu et al., 2003; Kang, 2013; Xiong et al., 2018a, 2019). However, some regions of marine biodiversity hotspots were overlooked or greatly underestimated, such as the Beibu Gulf.
The Beibu Gulf is a shared sea waters between China and Vietnam, located in the northern continental shelf of the South China Sea. Due to its geographic and climatic conditions, the Beibu Gulf has highly productive and abundant fisheries resources and is an important fishery and aquaculture sea region (Qiu et al., 2008). For better-protected fish biodiversity and fisheries resources, China government announced a fishing ban in Beibu Gulf in 1999. Although all types of fishing were forbidden by the Chinese government during the fishing moratorium periods, there were still fishing activities by the Vietnamese fishermen in the Beibu Gulf during that periods (Vu, 2013). Some researchers had surveyed fish biodiversity in the South China Sea (Qiu et al., 2008). However, information of fish biodiversity is very disrupted due to lack of unified management and research between China and Vietnam government, which limited the conservation of fish biodiversity and fishery sustainability in the Beibu Gulf.

The objective of this paper was to review the status of the fish community composition and diversity in the Beibu Gulf. We also examined major cause of the decline of fishes and provide the management recommendation. This study provides information about the protection and conservation of fishes in the Beibu Gulf and gives fundamental suggestions for sustainabl use of fish and fishery resources of the Beibu Gulf in the future.

STUDY AREA

The Beibu Gulf is a semi-enclosed sea area in the north of the South China Sea. The Beibu Gulf is surrounded by the China and Vietnam and located in 17°00′–21°45′N, 105°40′–110°10′E (Fig. 1). It is an area of about 1.28×105 km2. The average water depth is about 40 m, with a maximum depth being about 100 m. The climate of Beibu Gulf is subtropical maritime and is dominated by monsoons, with an average temperature of 37.1℃ of Beibu Gulf is subtropical maritime and is dominated by monsoons, with an average temperature of 37.1℃. The climate of Beibu Gulf is subtropical maritime and is dominated by monsoons, with an average temperature of 37.1℃. The average rainfall is about 1670 mm. Some rivers such as Red River, Fangcheng River, Nanliujiang River flow into the Beibu Gulf, and result in an extensive estuarine and mangrove ecosystem (Zhang et al., 2020).

SOURCES OF FISH INFORMATION

Literature review was used for collecting the distribution data of fish species in the Beibu Gulf. We searched for literature that contained the following combination of words: Beibu Gulf, fishery resources, fishes in Vietnam or China, fish fauna and ichthyography in the South China Sea in the title, abstract, or keywords from google scholar (http://www.scholar.google.com) and CNKI (http://www.cnki.net), and check their sample areas (Li et al., 1987; Sun, 1990; Ye et al., 1993; Luo et al., 1999; Wang et al., 2006, 2017; Ye et al., 2007; Zhou et al., 2011; Hoang and Duc, 2012; Hoang et al., 2017; Zhang et al., 2017b; Thu et al., 2019), and collected information from some Chinese books (IOZ et al., 1962; CTCIT, 1986; Yuan et al., 1994; Jia, 2003; Muda et al., 2005; Wang, 2009; Chen 2015; Zhang et al., 2017a; Fu, 2018; He and Lai, 2013; Lai and He, 2016; Liu et al., 2016; Yu, 2019). To avoid the confusion caused by synonyms and changes of common names, we validated the Latin names of each species via Catalog of Fishes database (https://www.calacademy.org/scientists/projects/catalog-of-fishes).

DIVERSITY OF FISH SPECIES

A total of 1519 fish species belonging to 42 orders, 198 families were recorded in the Beibu Gulf (Table I). The Perciformes was the order with the highest number of fish species (907 species, accounting for 59.67%) in Beibu Gulf, followed by Scorpfaeniformes with 81 species, Pleuronectiformes with 71 species, Tetraodontiforme with 70 species, Anguilliformes with 66 species, Clupeiformes with 59 species. Each of the other orders possesses less than 40 fish species (Fig. 2, Table I). It is noted that 107 fish species were listed as endangered species by IUCN (Table I).

Among family levels, the Gobiidae, Pomacentridae, Labridae, Serranidae, Carangidae and Apogonidae are the most abundant families, containing more than 40 species and accounting for 7.82%, 4.60%, 3.68%, 3.48%, 3.35% and 2.89% of the total number of fish species in the Beibu Gulf, respectively (Fig. 3, Table I).

It was noted that 928 species belonging to 28 orders, 124 families and 409 genera of reef associated fishes were recorded in the Beibu Gulf (Table I). The eight most highest number of families, each with more than 20 species, and which accounted for approximately 43.71% of the total number of fish species were Gobiidae (83), Pomacentridae (70), Labridae (56), Apogonidae (44), Serranidae (36), Chaetodontidae (32), Carangidae (23), and Blenniidae

![Fig. 1. Research waters of Beibu Gulf.](https://www.calacademy.org/scientists/projects/catalog-of-fishes)
Overfishing

Overfishing was one of the most important threats to ichthyological biodiversity and fishery resources in the Beibu Gulf (Dulvy et al., 2003; Yu and Mu, 2006). With the engine boats introduced in the 1960s and promoted popular in the 1980s, the fishing efforts and catches had increased sharply in the past forty years (Wang et al., 2019). Lack of precise data of fishing catches in the Beibu Gulf, some researchers estimated that fishing catch had reached 8.57 × 10^5 tons each year (Zou et al., 2013). Recently, some studies have shown that the fish community compositions have changed drastically in the Beibu Gulf due to overexploitation of fishing resources (Wang et al., 2019). Now, the average stock density of many important fishes have decreased less than 10% of that in the 1960s (Wang et al., 2019). Many traditionally commercial fish species (large size and high value), such as Epinephelus spp., Lutjanus spp. and Larimichthys crocea, have been replaced by short-lived, low trophic level and small fishes (Chen et al., 2011). For example, the biomass of piscivorous fish species has decreased to only 6% of that in the 1960s (Chen et al., 2008). Furthermore, the population of many fishes, namely Evynnis cardinalis, Saurida tumbl, S. undosquamis, Argyrosomus macrocephalus, and Nemipterus virgatus have shown miniaturization and early sexual maturity due to overexploitation (Wang et al., 2019; Zhang et al., 2020).

Aquarium trade has increased quickly and formed a multi-billion-dollar industry in the past forty years, and over 1000 marine fishes are involved in the global aquarium fish industry (Dey, 2016). However, it was totally different with freshwater ornamental fishes, over 90% them of which are farmed (Evers et al., 2019), the vast majority of marine fishes were caught from wild (King, 2019). It is known that Beibu Gulf supported the high biodiversity of coral reef fishes (Arai, 2015). The most important export region was Asia, which accounts for over half of the global market for aquarium fish. Both China and Vietnam were important exports of aquarium trade in Asia. Many coral fishes were captured for the aquarium trade (Arai, 2015). A great number of coral reef fish species, such as Chaetodon octofasciatus, C. auripes, C. lunulatus, C. melannotus, C. speculum, C. wiebeli, C. modestus, C. baronessa, C. triangulum, C. trifascialis, C. auriga, C. lineolatus, C. adiargastos, and C. lunula, were captured for aquarium purposes in Beibu Gulf.

Many fish species were traded as traditional Chinese medicines. There were over 60 fish species in the Beibu Gulf (Rhincodon typus, Halaelurus buergeri, Hippocampus histrix, Mustelus griseus, etc., Table I) are listed in the Chinese traditional medicines (SCSO, 1978). For example, seahorses (Syngnathidae) were rare traditional medicines in China, although some small-scale culture of seahorses occurred in Southern China. The farmers did not have enough knowledge of biology and breeding technology of seahorse, hence these small seahorse farms eventually were closed. The seahorse medicine now came from field capture. Now, all seahorse have been listed on the CITES (IUCN website, 2021).

Habitat destruction

The mangroves, coral reef, and seagrass habitats located in the Beibu Gulf (Wang et al., 2021), provided a wide range of habitat to support high diversity of fishes (Table I). However, some important habitats of fishes were destroyed for aquaculture, because of the port and other human utilizations. The mangrove areas have decreased leading to the loss of over one third of shrimp ponds in Leizhou Peninsula (Lei et al., 2022). In the past thirty years, the Beibu Gulf has become one of the busiest shipping
regions of the world, and over half of the oil tankers and commercial ships sail through this sea region (Wang et al., 2021). Fangcheng port, which was the largest port in west China, planned to establish over 50.3 km shoreline and over 200 deep water berths. These large-scale human constructions had destroyed many important habitats of fish (Lei et al., 2022). Finally, the stocks of many important commercial fishes, including L. sanguineus, Therapon theraps, Gerres filamentosus, Carcharhinus menisorrah and Gymnocephalus griseus have decreased quickly (Yu and Mu, 2006).

Pollution and eutrophication
Pollution had caused significant changes in the structure and function of bioresources (phytoplankton, zooplankton) and fish communities in marine and coastal ecosystems (Islam and Tanaka, 2004). Recently, some studies have focused on different forms of pollution (e.g. heavy metal, organic pollutant, microplastics) in the Beibu Gulf (Kaiser et al., 2016; Koongolla et al., 2020; Wang et al., 2020). Meanwhile, large number of nutrient imports in Beibu Gulf due to urban extension have resulted in aquaculture pollution and other human disturbances (Xiong et al., 2018a; 2019). These overloaded nutrients caused eutrophication and harmful algal blooms and eventually fish mortality as hypoxia and toxic compounds (Xiong et al., 2018a, 2019).

Non-native species
China waters have recently been found to be threatened with non-native aquatic species (Xiong et al., 2015, 2017; Wang et al., 2016). For developing aquaculture, a great number of non-native species have been introduced into China (Lin et al., 2015). The Beibu Gulf is an important aquaculture and fishery catch region of China (Kang et al., 2018) which provided large-scale aquaculture of some non-native species (Xiong et al., 2018a, 2019; Wang et al., 2021). For example, the red drum (Sciaenops ocellatus), introduced for aquaculture in the surrounding regions of Beibu Gulf got widely distributed and caused great threat to native biodiversity (Xiong et al., 2018b, c; Lin et al., 2020). In order to improve the production and quality of aquaculture, more and more non-native species will have to be introduced into the Beibu Gulf in the future (Wang et al., 2021).

The Beibu Gulf is the station of origin of the maritime silk road. Now, Guangxi Beibu Gulf Port has built a total of 256 productive berths, which could berth ships of up to $2.0\times10^4$ tons, and its routes are been able to reach more than 100 countries in the world, with direct access to more than 200 ports in the world (Qin, 2017). Now, the Beibu Gulf has become the busiest waterway in the world. Over half of the oil tankers and commercial ships pass through the Beibu Gulf every year (Wang et al., 2014). Inevitably, some non-native species were introduced in the Beibu Gulf by the ballast water of the ship (Wang et al., 2021), and some non-native species, such as algae (Alexandrum catenulatum, and Scrippsiella trochoidea) had been distributed large scale and formed red tide, which caused a great number fish to die because of lack of oxygen (Wang et al., 2021).

Recently, aquarium became the most important introduction pathway of non-native aquatic species in China (Xiong et al., 2015, 2017; Wang et al., 2016). We could buy non-native species for aquarium in some cities around the Beibu Gulf, such as Beihai, Fangchenggang (Wang et al., 2021). Many non-native fishes such as Xenostrobus securis, Glossogobius furis, Hemichromis bimaculatus, Hippichthys specifer, and Poecilia velifera were very popular aquarium species in the world. Thus, countries around the Beibu Gulf (China, Vietnam) cultivated a great number of non-native species, including fishes, crayfish, shellfish (Wang et al., 2021). Inevitably, some non-native fishes had escaped and found suitable habitats in the Beibu Gulf. For example, jewelfish (H. bimaculatus) had become one of the most widely distributed non-native species in the wetlands around the Beibu Gulf (Xiong et al., 2018a, 2019).

CONSERVATION

Fish biodiversity and fisheries resource is of high economic and ecological conservation significance in the Beibu Gulf. Firstly, fish was the most important protein source for about 2.7 hundred million people (92.7 million in Vietnam and 174 million in China) living in the coastal of Beibu Gulf. Secondly, Beibu Gulf provide diverse habitats (mangroves, seagrass, Coral reef, shelf, estuaries), with high biodiversity and endemism (Liu, 2013).

The establishment of protected areas was an effective measurement for fish biodiversity conservation (Xiong et al., 2018a, 2019). However, there were only a few marine protected areas that covered quite small area of the Beibu Gulf (Trung et al., 2014). In addition, the different life-history stages of many fishes inhabited different habitats, such as mangroves-seagrass-coral reef (Kimrei et al., 2011). Thus, the establishment of marine protected areas should cover not only important fish habitats (such as mangroves, seagrass, Coral reef) but also the connecting galleries among these habitats (Sambrook et al., 2019). Therefore, more and larger protected areas should be established in the Beibu Gulf covering important fish habitats and connecting galleries in the future.
Table I. The fish biodiversity in Beibu Gulf.

| No | Orders          | Families           | Latin name                                                                 | Habitats                  | IUCN           |
|----|-----------------|--------------------|---------------------------------------------------------------------------|---------------------------|----------------|
| 1  | Carcharhiniiformes | Carcharhinidae     | *Carcharhinus amblyrhyndoides* Whitley, 1934                              | Marine                    | Near threatened|
| 2  |                 |                    | *Carcharhinus amblyrhychos* Bleecker, 1856                                 | Marine                    | Endangered     |
| 3  |                 |                    | *Carcharhinus brachyurus* Günther, 1870                                   | Marine                    | Vulnerable     |
| 4  |                 |                    | *Carcharhinus falciformis* Müller & Henle, 1839                           | Marine                    | Vulnerable     |
| 5  |                 |                    | *Carcharhinus hemiodon* Müller & Henle, 1839*                             | Marine                    | Critically endangered |
| 6  |                 |                    | *Carcharhinus limbatis* Müller & Henle, 1839                             | Marine                    | Near threatened|
| 7  |                 |                    | *Carcharhinus melanopterus* Quoy & Gaimard, 1824                          | Marine                    | Vulnerable     |
| 8  |                 |                    | *Carcharhinus plumbeus* Nardo, 1827                                       | Marine                    | Vulnerable     |
| 9  |                 |                    | *Carcharhinus sealei* Pietschmann, 1913                                   | Marine                    | Near threatened|
| 10 |                 |                    | *Carcharhinus sorrah* Müller & Henle, 1839                               | Marine, Mangrove, Coral reef | Near threatened|
| 11 |                 |                    | *Galeocerdo cuvier* Péron & Lesueur, 1822                                 | Marine                    | Near threatened|
| 12 |                 |                    | *Hemigaleus microstoma* Bleecker, 1852                                    | Marine                    | Vulnerable     |
| 13 |                 |                    | *Hemipristis elongata* Klunzinger, 1871                                   | Marine                    | Vulnerable     |
| 14 |                 |                    | *Rhizoprionodon oligolius* Springer, 1964                                 | Marine, Coral reef        | Least concern  |
| 15 |                 |                    | *Rhizoprionodon acutus* Rüppell, 1837                                     | Marine                    | Vulnerable     |
| 16 |                 |                    | *Scoliodon laticaudus* Müller & Henle, 1838                               | Marine                    | Near threatened|
| 17 |                 |                    | *Scoliodon macrorhynchos* Bleecker, 1852                                  | Marine                    | Near threatened|
| 18 | Hemigaleidae     |                    | *Chaenogaleus macrostoma* Bleecker, 1852                                  | Marine                    | Vulnerable     |
| 19 | Scyliorhini-     |                    | *Halenurus buergeri* Müller & Henle, 1838*                               | Marine                    | Endangered     |
|    | date            |                    |                                                            |                           |                |
| 20 | Sphyridae        |                    | *Euphyra blochii* Cuvier, 1816                                           | Marine                    | Endangered     |
| 21 |                 |                    | *Sphyra lewini* Griffith & Smith, 1834                                    | Marine                    | Critically endangered |
| 22 |                 |                    | *Sphyra mokarran* Rüppell, 1837                                           | Marine, Mangrove, Coral reef | Critically endangered |
| 23 | Triakidae        |                    | *Mustelus griseus* Pietschmann, 1908*                                    | Marine                    | Endangered     |
| 24 |                 |                    | *Mustelus manazo* Bleecker, 1855                                          | Marine                    | Endangered     |
| 25 | Lamniformes      |                    | *Heterodontus zebra* Gray, 1831                                           | Marine                    | Least concern  |
| 26 | Lamnidae         |                    | *Isurus oxyrinchus* Rafinesque, 1810                                      | Marine                    | Endangered     |
| 27 | Odontaspididae   |                    | *Carcharias tricuspidatus* Day, 1878                                      | Marine                    | Not evaluated  |
| 28 | Myliobatiformes  | Dasyatidae          | *Hemitrygon akajei* Müller & Henle, 1841*                                | Marine, Mangrove, Coral reef | Near threatened|
| 29 |                 |                    | *Hemitrygon bennetti* Müller & Henle, 1841                               | Marine                    | Not evaluated  |
| 30 |                 |                    | *Hemitrygon navarrea* Steindachner, 1892                                 | Marine                    | Vulnerable     |
| 31 |                 |                    | *Hemitrygon sinensis* Steindachner, 1892                                 | Marine                    | Endangered     |
| 32 |                 |                    | *Himantura microphalma* Chen, 1948                                        | Marine, Mangrove, Coral reef | Not evaluated  |
| 33 |                 |                    | *Himantura uarnak* Gmelin, 1789*                                          | Marine                    | Vulnerable     |
| 34 |                 |                    | *Maculobatis gerrardi* Gray, 1851                                         | Marine                    | Endangered     |
|    |                 |                    | *Telatrygon zugei* Müller & Henle, 1841                                   | Marine, Mangrove, Coral reef | Near threatened|

Table continued on next page.................
| No | Orders | Families | Latin name | Habitats | IUCN |
|----|--------|----------|------------|----------|------|
| 36 | No Orders | Families | Neotrygon kuhlii Müller & Henle, 1841 | Marine, Mangrove, Coral reef | Data deficient |
| 37 | Taeniura lyoma Forsskål, 1775 | Marine | Least concern |
| 38 | Taeniura meyenii Müller & Henle, 1841 | Marine | Vulnerable |
| 39 | Urogymnus asperrimus Bloch & Schneider, 1801 | Marine | Vulnerable |
| 40 | Myliobatidae | Aetobatus flagellum Bloch & Schneider, 1801 | Marine | Endangered |
| 41 | Aetobatus narinari Euphrasen, 1790 | Marine | Endangered |
| 42 | Aetobatus naruberi White, Furumitsu & Yamaguchi, 2013 | Marine | Vulnerable |
| 43 | Aetomyaleus maculatus Gray, 1834 | Marine | Endangered |
| 44 | Aetomyaleus nilvus Müller & Henle, 1841 | Marine | Endangered |
| 45 | Aetomyaleus nichofii Bloch & Schneider, 1801 | Marine | Vulnerable |
| 46 | Aetomyaleus vespertilio Bleeker, 1852 | Marine | Endangered |
| 47 | Mobula japonica Müller & Henle, 1841* | Marine | Near threatened |
| 48 | Rhinopteridae | Rhinoptera javanica Müller & Henle, 1841 | Marine | Vulnerable |
| 49 | Urolophidae | Urolophus aurantiacus Müller & Henle, 1841 | Marine | Vulnerable |
| 50 | Oreotolobiformes | Oreotolobidae | Chiloscyllium plagiosum Anonymous [Benett], 1830 | Marine, Mangrove, Coral reef | Near threatened |
| 51 | Rhincodonidae | Rhincodon typus Smith, 1828* | Marine | Endangered |
| 52 | Stegostomatidae | Stegostoma fasciatum Hermann, 1783 | Marine | Endangered |
| 53 | Rajiformes | Gymnuridae | Gymnura japonica Temminck & Schlegel, 1850 | Marine | Vulnerable |
| 54 | Gymnura pescihera Shaw, 1804 | Marine, Mangrove, Coral reef | Vulnerable |
| 55 | Gymnura zonura Bleeker, 1852 | Marine | Endangered |
| 56 | Platyrhinidae | Platyrrhina sinensis Bloch & Schneider, 1801 | Marine | Endangered |
| 57 | Platyrrhina tangeri Iwatsuki, Zhang & Nakaya, 2011 | Marine | Vulnerable |
| 58 | Pristidae | Anoxypristis casipida Latham, 1794* | Marine | Endangered |
| 59 | Rajidae | Okameji boesemani Ishihara, 1987 | Marine | Vulnerable |
| 60 | Okameji hollandi Jordan & Richardson, 1909 | Marine | Vulnerable |
| 61 | Okameji kenojei Müller & Henle, 1841 | Marine | Vulnerable |
| 62 | Rhinopristiformes | Rhinobatidate | Rhina ancylostomus Bloch & Schneider, 1801 | Marine | Critically endangered |
| 63 | Rhinobatos hynicpehalus Richardson, 1846 | Marine | Endangered |
| 64 | Rhinobatos schlegeli Müller & Henle, 1841 | Marine | Critically endangered |
| 65 | Rhincobatus djiddensis Forsskål, 1775 | Marine | Critically endangered |
| 66 | Squatiniformes | Squatinidae | Squatina nebulosa Regan, 1906 | Marine | Endangered |
| 67 | Torpediniformes | Narcinidae | Narcine lingula Richardson, 1846 | Marine | Vulnerable |
| 68 | Narcine maculata Shaw, 1804 | Marine | Vulnerable |
| 69 | Narcine timlei Bloch & Schneider, 1801 | Marine | Data deficient |

Table continued on next page..................
| No | Orders      | Families       | Latin name                                      | Habitats                      | IUCN            |
|----|-------------|----------------|-------------------------------------------------|-------------------------------|-----------------|
| 70 | Narkidae    | Narke dipterygia Bloch & Schneider, 1801 | Marine, Mangrove, Coral reef | Data deficient |                 |
| 71 | Torpedinidae| Tetronarce macneilli Whitley, 1932 | Marine                                           | Data deficient |                 |
| 72 | Albuliformes| Albulidae       | Albula glossodonta Forsskål, 1775               | Marine                        | Vulnerable      |
| 73 |             | Albula vulpes Linnaeus, 1758 | Marine                                           | Near threatened |                 |
| 74 | Anguilliformes| Anguillidae | Anguilla bicolor McClelland, 1844               | Marine                        | Near threatened |
| 75 |             | Anguilla japonica Temminck & Schlegel, 1846 | Marine, Mangrove, Coral reef | Endangered      |                 |
| 76 |             | Anguilla marmorata Quoy & Gaimard, 1824 | Marine, Mangrove, Coral reef | Least concern     |                 |
| 77 |             | Anguilla nebulosa McClelland, 1844 | Marine                                           | Not evaluated           |                 |
| 78 | Congridae   | Ariosa anago Temminck & Schlegel, 1846 | Marine, Mangrove, Coral reef | Data deficient     |                 |
| 79 |             | Ariosa meeki Jordan & Snyder, 1900 | Marine                                           | Least concern             |                 |
| 80 |             | Bathycoccus parvus Karmovskaya, 2011 | Marine                                           | Data deficient           |                 |
| 81 |             | Bathymyris simus Smith, 1965 | Marine                                           | Least concern             |                 |
| 82 |             | Conger cinereus Rüppell, 1830 | Marine, Mangrove, Coral reef | Least concern         |                 |
| 83 |             | Gnathophis nystomi Jordan & Snyder, 1901 | Marine                                           | Not evaluated           |                 |
| 84 |             | Macrocephylax brevispinis Chen & Weng, 1967 | Marine                                       | Least concern         |                 |
| 85 |             | Rhynchoconger eucnemis Jordan & Richardson, 1909 | Marine                                 | Least concern         |                 |
| 86 |             | Uroconger lepturus Richardson, 1845  | Marine, Mangrove, Coral reef | Least concern        |                 |
| 87 | Dysommaidae | Dysoma anguillata Barnard, 1923  | Marine                                           | Least concern           |                 |
| 88 |             | Dysoma melanurum Chen & Weng, 1967 | Marine, Mangrove, Coral reef | Not evaluated        |                 |
| 89 | Muraenidae  | Conger talon Cuvier, 1829 | Marine, Mangrove, Coral reef | Not evaluated        |                 |
| 90 |             | Conger talonoides Bleeker, 1853 | Marine, Intertidal                             | Not evaluated           |                 |
| 91 |             | Muraenoides bagio Hamilton, 1822 | Marine, Intertidal                             | Not evaluated           |                 |
| 92 |             | Muraenoides cinerea Forsskål, 1775* | Marine, Mangrove, Coral reef | Least concern        |                 |
| 93 |             | Muraenoides yamaguchiensis Katayama & Takai, 1954 | Marine                                 | Not evaluated         |                 |
| 94 |             | Oxyconger leptognathus Bleeker, 1858 | Marine, Mangrove, Coral reef | Not evaluated        |                 |
| 95 | Muraenidae  | Anarchias allardicei Jordan & Starks, 1906 | Marine, Mangrove, Coral reef | Least concern       |                 |
| 96 |             | Echidna nebulosa Ahl, 1789 | Marine, Mangrove, Coral reef | Least concern       |                 |
| 97 |             | Gymnothorax albinarginatus Temminck & Schlegel, 1846 | Marine                                          | Least concern         |                 |
| 98 |             | Gymnothorax chilospilus Bleeker, 1864 | Marine, Mangrove, Coral reef | Least concern       |                 |

Table continued on next page.............
| No | Orders | Families | Latin name | Habitats | IUCN |
|---|---|---|---|---|---|
| 99 | Gymnothorax cribroris | Whitley, 1932 | Marine, Mangrove, Coral reef | Least concern |
| 100 | Gymnothorax favagineus | Bloch & Schneider, 1801* | Marine | Least concern |
| 101 | Gymnothorax fimbriatus | Bennett, 1832* | Marine, Mangrove, Coral reef | Least concern |
| 102 | Gymnothorax flavimarginatus | Rüppell, 1830 | Marine, Mangrove, Coral reef | Least concern |
| 103 | Gymnothorax isingteena | Richardson, 1845* | Marine, Mangrove, Coral reef | Least concern |
| 104 | Gymnothorax javanicus | Bleeker, 1859 | Marine, Mangrove, Coral reef | Least concern |
| 105 | Gymnothorax kidako | Temminck & Schlegel, 1846 | Marine | Least concern |
| 106 | Gymnothorax minor | Temminck & Schlegel, 1846 | Marine | Least concern |
| 107 | Gymnothorax pictus | Ahl, 1789* | Marine, Mangrove, Coral reef | Least concern |
| 108 | Gymnothorax prionodon | Ogilby, 1895 | Marine | Least concern |
| 109 | Gymnothorax punctatofasciatus | Bleeker, 1863* | Marine | Not evaluated |
| 110 | Gymnothorax reevesii | Richardson, 1845* | Marine, Mangrove, Coral reef | Not evaluated |
| 111 | Gymnothorax reticularis | Bloch, 1795* | Marine | Not evaluated |
| 112 | Gymnothorax richardsonii | Bleeker, 1852* | Marine | Least concern |
| 113 | Gymnothorax rueppellioides | McClelland, 1844 | Marine | Least concern |
| 114 | Gymnothorax thyrsoides | Richardson, 1845 | Marine, Mangrove, Coral reef | Least concern |
| 115 | Gymnothorax undulatus | Lacepède, 1803* | Marine, Mangrove, Coral reef | Least concern |
| 116 | Scuticaria tigrina | Lesson, 1828 | Marine, Mangrove, Coral reef | Least concern |
| 117 | Strophidon sathe | Hamilton, 1822 | Marine | Not evaluated |
| 118 | Uropterygius concolor | Rüppell, 1838 | Marine, Mangrove, Coral reef, Intertidal | Least concern |
| 119 | Uropterygius xanthopterus | Bleeker, 1859 | Marine, Mangrove, Coral reef | Least concern |
| 120 | Nettastomatidae | Saurenhelys ferasfer | Jordan & Snyder, 1901 | Marine | Least concern |
| 121 | Ophichthidae | Ahlia egmontis | Jordan, 1884 | Marine | Least concern |
| 122 | Bascanichthys deraniyalagai | Menon, 1961 | Marine | Not evaluated |
| 123 | Brachysomophis crocodilinus | Bennett, 1833 | Marine | Not evaluated |
| 124 | Cirrhimuraena chinensis | Kaup, 1856 | Marine, Intertidal | Not evaluated |
| 125 | Muraenichthys gymnopterus | Bleeker, 1853 | Marine, Mangrove, Coral reef, Intertidal | Not evaluated |
| 126 | Muraenichthys thompsoni | Jordan & Richardson, 1908 | Marine, Mangrove, Coral reef, Intertidal | Not evaluated |
| 127 | Myrichthys maculosus | Cuvier, 1816 | Marine, Mangrove, Coral reef | Not evaluated |

*Table continued on next page..............
| No | Orders | Families | Latin name | Habitats | IUCN       |
|----|--------|----------|------------|----------|------------|
| 128|        | Ophichthidae | Ophichthus apicalis Anonymous [Bennett], 1830 | Marine, Mangrove, Coral reef | Not evaluated |
| 129|        |            | Ophichthus asakusae Jordan & Snyder, 1901 | Marine, Mangrove, Coral reef | Not evaluated |
| 130|        |            | Ophichthus celeucus Bleeker, 1856 | Marine | Not evaluated |
| 131|        |            | Ophichthus cylindroides Ranzani, 1839 | Marine | Least concern |
| 132|        |            | Ophichthus lithinus Jordan & Richardson, 1908 | Marine | Not evaluated |
| 133|        |            | Ophichthus macrochir Bleeker, 1853 | Marine | Not evaluated |
| 134|        |            | Ophichthus shaq McCosker & Ho, 2015 | Marine | Not evaluated |
| 135|        |            | Ophichthus singapuresis Bleeker, 1864-65 | Marine | Not evaluated |
| 136|        | Pisodonophidae | Pisodonophis boro Hamilton, 1822 | Marine, Mangrove, Coral reef | Least concern |
| 137|        |            | Pisodonophis cancrivorus Richardson, 1848 | Marine, Mangrove, Coral reef, Intertidal | Not evaluated |
| 138|        |            | Scolecenchelys macroptera Bleeker, 1857 | Marine, Mangrove, Coral reef | Not evaluated |
| 139|        |            | Skythrenchelys zabra Castle & McCosker, 1999 | Marine | Least concern |
| 140| Atheriniformes | Atherinidae | Atherinomorus forskali Rüppell, 1838 | Marine | Not evaluated |
| 141|        |            | Atherinomorus lacunosis Forster, 1801 | Marine, Mangrove, Coral reef | Not evaluated |
| 142|        |            | Atherinomorus pinguis Lacepède, 1803 | Marine | Not evaluated |
| 143|        |            | Doboatherina duodecimartic Valenciennes, 1835 | Marine | Least concern |
| 144|        |            | Hypoatherina temmincki Bleeker, 1854 | Marine, Mangrove, Coral reef | Not evaluated |
| 145|        |            | Hypoatherina sungae Jordan & Starks, 1901 | Marine | Not evaluated |
| 146|        |            | Hypoatherina valenciennesi Bleeker, 1854 | Marine, Mangrove, Coral reef | Not evaluated |
| 147|        | Melanotaeniidae | Chilatherina bleheri Allen, 1985 | Marine, Intertidal | Endangered |
| 148| Aulopiformes | Synodontidae | Harpadon microchir Günther, 1878 | Marine | Least concern |
| 149|        |            | Harpadon neheerus Hamilton, 1822 | Marine, Mangrove, Coral reef | Near threatened |
| 150|        |            | Saurida argentea Macleay, 1881 | Marine | Least concern |
| 151|        |            | Saurida elongata Temminck & Schlegel, 1846* | Marine, Mangrove, Coral reef | Least concern |
| 152|        |            | Saurida filamentosa Ogilby, 1910* | Marine | Least concern |
| 153|        |            | Saurida gracilis Quoy & Gaimard, 1824 | Marine | Least concern |
| 154|        |            | Saurida macroplepis Tanaka, 1917 | Marine | Least concern |
| 155|        |            | Saurida nebulosa Valenciennes, 1850 | Marine | Least concern |
| 156|        |            | Saurida tumil Bloch, 1795* | Marine, Mangrove, Coral reef | Least concern |
| 157|        |            | Saurida umeyoshi Inoue & Nakabo, 2006 | Marine | Least concern |
| 158|        |            | Saurida undosquamis Richardson, 1848* | Marine, Mangrove, Coral reef | Least concern |

Table continued on next page............
| No  | Orders | Families | Latin name                  | Habitats                      | IUCN               |
|-----|--------|----------|------------------------------|-------------------------------|--------------------|
| 159 |        | Saurida  | Saurida wanieo Shindo & Yamada, 1972 | Marine                         | Data deficient     |
| 160 |        | Saurida  | Saurida brasiliensis Norman, 1935 | Marine                         | Least concern      |
| 161 |        | Synodus  | Synodus binotatus Schultz, 1953 | Marine, Mangrove, Coral reef   | Least concern      |
| 162 |        | Synodus  | Synodus dermatogenys Fowler, 1912 | Marine                         | Least concern      |
| 163 |        | Synodus  | Synodus fuscus Tanaka, 1917    | Marine                         | Least concern      |
| 164 |        | Synodus  | Synodus hoshinonis Tanaka, 1917| Marine                         | Least concern      |
| 165 |        | Synodus  | Synodus indicus Day, 1873      | Marine                         | Least concern      |
| 166 |        | Synodus  | Synodus jaculum Russell & Cressey, 1979 | Marine, Mangrove, Coral reef | Least concern      |
| 167 |        | Synodus  | Synodus kaianus Günther, 1880  | Marine                         | Least concern      |
| 168 |        | Synodus  | Synodus variegatus Lacepède, 1803| Marine, Mangrove, Coral reef   | Least concern      |
| 169 |        | Trachinocephalus myops Forster, 1801* | Marine, Mangrove, Coral reef   | Least concern      |
| 170 | Beloniforme | Hemiramphidae | Euleptorhamphus viridis van Hasselt, 1823 | Marine                         | Not evaluated     |
| 171 | Beloniforme | Hemiramphidae | Hemiramphus far Forsskål, 1775 | Marine, Mangrove, Coral reef, Intertidal | Not evaluated     |
| 172 | Beloniforme | Hemiramphidae | Hemiramphus lutkei Valenciennes, 1847 | Marine, Mangrove, Coral reef   | Not evaluated     |
| 173 | Beloniforme | Hemiramphidae | Hyporhamphus intermedius Cantor, 1842 | Marine, Mangrove, Coral reef   | Not evaluated     |
| 174 | Beloniforme | Hemiramphidae | Hyporhamphus dassumieri Valenciennes, 1847 | Marine                         | Not evaluated     |
| 175 | Beloniforme | Hemiramphidae | Hyporhamphus gernaerti Valenciennes, 1847 | Marine, Mangrove, Coral reef   | Not evaluated     |
| 176 | Beloniforme | Hemiramphidae | Hyporhamphus limbatus Valenciennes, 1847 | Marine, Mangrove, Coral reef   | Least concern     |
| 177 | Beloniforme | Hemiramphidae | Hyporhamphus quoyi Valenciennes, 1847 | Marine, Mangrove, Coral reef   | Not evaluated     |
| 178 | Beloniforme | Hemiramphidae | Hyporhamphus sajori Temminck & Schlegel, 1846 | Marine, Mangrove, Coral reef | Not evaluated     |
| 179 | Beloniforme | Hemiramphidae | Rhynchorhamphus georgii Valenciennes, 1847 | Marine, Mangrove, Coral reef   | Not evaluated     |
| 180 | Beloniforme | Hemiramphidae | Zenarchopterus buffonis Valenciennes, 1847 | Marine, Mangrove, Coral reef   | Least concern     |
| 181 | Belonidae | Ablennes  | Ablennes hians Valenciennes, 1846 | Marine                         | Least concern      |
| 182 | Belonidae | Strongylura | Strongylura anastomella Valenciennes, 1846 | Marine, Mangrove, Coral reef   | Not evaluated     |
| 183 | Belonidae | Strongylura | Strongylura leiata Bleeker, 1850 | Marine, Mangrove, Coral reef   | Not evaluated     |
| 184 | Belonidae | Strongylura | Strongylurastrongylura van Hasselt, 1823 | Marine, Mangrove, Coral reef   | Not evaluated     |
| 185 | Belonidae | Tylosurus  | Tylosurus acus Lacepède, 1803   | Marine, Mangrove, Coral reef   | Least concern      |
| 186 | Belonidae | Tylosurus  | Tylosurus crocodilus Péron & Lesueur, 1821 | Marine, Mangrove, Coral reef   | Least concern      |

*Table continued on next page..................*
| No | Orders       | Families                     | Latin name                               | Habitats                  | IUCN          |
|----|--------------|------------------------------|------------------------------------------|---------------------------|---------------|
| 187|              | Tylosurus melanotus         | Bleeker, 1850                            | Marine, Mangrove, Coral reef | Not evaluated |
| 188|              | Cheilopogon spilogaster      | Valenciennes, 1847*                      | Marine                    | Not evaluated |
| 189|              | Cheilopogon arcticeps       | Günther, 1866*                           | Marine                    | Not evaluated |
| 190|              | Cheilopogon cyanopterus     | Valenciennes, 1847*                      | Marine                    | Least concern |
| 191|              | Cheilopogon katoptron       | Bleeker, 1865                            | Marine                    | Not evaluated |
| 192|              | Cypselurus hexazona         | Bleeker, 1853                            | Marine, Mangrove, Coral reef | Not evaluated |
| 193|              | Cypselurus oligolepis       | Bleeker, 1865*                           | Marine, Mangrove, Coral reef | Not evaluated |
| 194|              | Cypselurus pocillopterus    | Valenciennes, 1847                       | Marine                    | Not evaluated |
| 195|              | Hirundichthys rondeletti    | Valenciennes, 1847                       | Marine, Mangrove, Coral reef | Least concern |
| 196|              | Oxyporhamphus micropterus   | Valenciennes, 1847                       | Marine                    | Not evaluated |
| 197|              | Parexocoetus brachypterus   | Richardson, 1846                         | Marine                    | Not evaluated |
| 198|              | Parexocoetus mento          | Valenciennes, 1847                       | Marine                    | Not evaluated |
| 199|              | Scomberesocidae             |                                          |                           |               |
| 200| Beryciformes | Centroberyx rubricaudus     | Liu & Shen, 1985                         | Marine                    | Data deficient |
| 201|              | Holocentridae               | Myripristis adusta Bleeker, 1853         | Marine, Mangrove, Coral reef | Least concern |
| 202|              | Myripristis berndti         | Jordan & Evermann, 1903                  | Marine, Mangrove, Coral reef | Least concern |
| 203|              | Myripristis botche          | Cuvier, 1829                             | Marine, Mangrove, Coral reef | Least concern |
| 204|              | Myripristis hexagona        | Lacepède, 1802                           | Marine, Mangrove, Coral reef | Least concern |
| 205|              | Myripristis murdjan         | Forsskål, 1775                           | Marine, Mangrove, Coral reef | Least concern |
| 206|              | Myripristis pralinia        | Cuvier, 1829                             | Marine, Mangrove, Coral reef | Least concern |
| 207|              | Myripristis violacea        | Bleeker, 1851                            | Marine, Mangrove, Coral reef | Least concern |
| 208|              | Neoniphon opercularis       | Valenciennes, 1831                       | Marine, Mangrove, Coral reef | Least concern |
| 209|              | Neoniphon sammara           | Forsskål, 1775                           | Marine, Mangrove, Coral reef | Least concern |
| 210|              | Ostichthys japonicus       | Cuvier, 1829                             | Marine, Mangrove, Coral reef | Least concern |
| 211|              | Sargocentron caudimaculatum | Rüppell, 1838                            | Marine, Mangrove, Coral reef | Least concern |
| 212|              | Sargocentron diadema        | Lacepède, 1802                           | Marine, Mangrove, Coral reef | Least concern |
| 213|              | Sargocentron praslin        | Lacepède, 1802                           | Marine, Mangrove, Coral reef | Least concern |

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| No | Orders     | Families | Latin name                                      | Habitats                        | IUCN           |
|----|------------|----------|------------------------------------------------|---------------------------------|----------------|
| 214|            | Sargocentron | Sargocentron rubrum Forsskål, 1775             | Marine, Mangrove, Coral reef   | Least concern  |
| 215|            | spiniferum  | Sargocentron spiniferum Forsskål, 1775         | Marine, Mangrove, Coral reef   | Least concern  |
| 216|            | tiera      | Sargocentron tiera Cuvier, 1829                | Marine, Mangrove, Coral reef   | Least concern  |
| 217|            | tieroides  | Sargocentron tieroides Bleeker, 1853            | Marine, Mangrove, Coral reef   | Least concern  |
| 218| Monocentri-| Monocentris| Monocentris japonica Houttuyn, 1782             | Marine                          | Least concern  |
| 219| Clupeiformes| Chirocentri-| Chirocentrus dorab Forsskål, 1775              | Marine, Mangrove, Coral reef   | Least concern  |
|     | dae        | dae       | Chirocentrus nudus Swainson, 1839              | Marine                          | Least concern  |
| 220| Clupeidae  |          | Amblygaster clupeoides Bleeker, 1849           | Marine                          | Least concern  |
| 221|            | Anodontostoma | Anodontostoma chacunda Hamilton, 1822      | Marine                          | Least concern  |
| 222|            | Clupanodon | Clupanodon thrissa Linnaeus, 1758              | Marine, Mangrove, Coral reef   | Least concern  |
| 223| Clupeidae  |           | Clupea pallasi Valenciennes, 1847              | Marine, Mangrove, Coral reef   | Data deficient |
| 224| Clupeoides|           | Clupeoides borneensis Bleeker, 1851            | Marine                          | Least concern  |
| 225|            |           | Dussumieria acuta Valenciennes, 1847           | Marine                          | Least concern  |
| 226|            |           | Dussumieria elopoides Bleeker, 1849            | Marine, Mangrove, Coral reef   | Least concern  |
| 227|            | Escualosa  | Escualosa thoracata Valenciennes, 1847         | Marine, Mangrove, Coral reef   | Least concern  |
| 228|            |           | Etrumeus microplus Temminck & Schlegel, 1846   | Marine                          | Least concern  |
| 229|            |           | Herklotsichthys ovalis Anonymous [Bennett], 1830*| Marine, Mangrove, Coral reef   | Data deficient |
| 230|            |           | Herklotsichthys quadrimaculatus Rüppell, 1837  | Marine, Mangrove, Coral reef   | Least concern  |
| 231|            |           | Hilsa kelee Cuvier, 1829                      | Marine                          | Least concern  |
| 232|            | Konosirus  | Konosirus punctatus Temminck & Schlegel, 1846   | Marine, Mangrove, Coral reef   | Least concern  |
| 233|            | punctatus  |                                      |                                 |                |
| 234|            | Nematalosa | Nematalosa come Richardson, 1846               | Marine                          | Least concern  |
| 235|            | Nematalosa | Nematalosa japonica Regan, 1917               | Marine                          | Data deficient |
| 236|            | nasus      | Nematalosa nasus Bloch, 1795                   | Marine, Mangrove, Coral reef   | Least concern  |
| 237|            | Sardinella | Sardinella albella Valenciennes, 1847          | Marine, Mangrove, Coral reef   | Least concern  |
| 238|            | aurita     | Sardinella aurita Valenciennes, 1847           | Marine, Mangrove, Coral reef   | Least concern  |
| 239|            | brachysoma | Sardinella brachysoma Bleeker, 1852            | Marine, Mangrove, Coral reef   | Least concern  |
| 240|            | fimbriata  | Sardinella fimbriata Valenciennes, 1847        | Marine, Mangrove, Coral reef   | Least concern  |
| 241|            | gibbosa    | Sardinella gibbosa Bleeker, 1849               | Marine                          | Least concern  |

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| No  | Orders       | Families          | Latin name                          | Habitats                  | IUCN          |
|-----|--------------|-------------------|-------------------------------------|---------------------------|---------------|
| 242 |              | Sardinellidae     | Sardinella hualiensis Chu & Tsai, 1958 | Marine                    | Least concern |
| 243 |              |                   | Sardinella jussieu Lacepède, 1803    | Marine, Mangrove, Coral reef | Data deficient |
| 244 |              |                   | Sardinella lemuru Bleeker, 1853*     | Marine, Intertidal         | Near threatened |
| 245 |              |                   | Sardinella maderensis Lowe, 1838     | Marine                    | Vulnerable    |
| 246 |              |                   | Sardinella melanura Cuvier, 1829     | Marine, Mangrove, Coral reef | Least concern |
| 247 |              |                   | Sardinella richardsoni Wongratana, 1983 | Marine, Mangrove, Coral reef | Data deficient |
| 248 |              |                   | Sardinella sindensis Day, 1878       | Marine                    | Least concern |
| 249 |              |                   | Sardinella zunasi Bleeker, 1854      | Marine, Mangrove, Coral reef | Least concern |
| 250 |              |                   | Tenualosa reevesii Richardson, 1846* | Marine, Mangrove, Coral reef | Data deficient |
| 251 | Elopidae     |                   | Elops hawaiensis Regan, 1909         | Marine                    | Data deficient |
| 252 |              |                   | Elops saurus Linnaeus, 1766          | Marine, Mangrove, Coral reef | Least concern |
| 253 | Engraulidae  |                   | Coilia grayii Richardson, 1845       | Marine, Mangrove, Coral reef | Least concern |
| 254 |              |                   | Coilia macrognathos Bleeker, 1852    | Marine                    | Data deficient |
| 255 |              |                   | Coilia mystus Linnaeus, 1758         | Marine, Mangrove, Coral reef | Endangered    |
| 256 |              |                   | Encrasicholina heteroloba Rüppell, 1837 | Marine                  | Least concern |
| 257 |              |                   | Encrasicholina punctifer Fowler, 1938 | Marine                    | Least concern |
| 258 |              |                   | Engraulis japonicus Temminck & Schlegel, 1846 | Marine, Mangrove, Coral reef | Least concern |
| 259 |              |                   | Setipinna melanochir Bleeker, 1849   | Marine                    | Data deficient |
| 260 |              |                   | Setipinna taty Valenciennes, 1848    | Marine, Mangrove, Coral reef | Least concern |
| 261 |              |                   | Stolephorus chinensis Günther, 1880  | Marine, Mangrove, Coral reef | Least concern |
| 262 |              |                   | Stolephorus commersonnii Lacepède, 1803 | Marine, Mangrove, Coral reef | Least concern |
| 263 |              |                   | Stolephorus holodon Boulenger, 1900  | Marine, Mangrove, Coral reef | Least concern |
| 264 |              |                   | Stolephorus indicus van Hasselt, 1823 | Marine, Mangrove, Coral reef | Least concern |
| 265 |              |                   | Stolephorus tri Bleeker, 1852        | Marine, Mangrove, Coral reef | Data deficient |
| 266 |              |                   | Stolephorus waitei Jordan & Seale, 1926 | Marine                  | Data deficient |
| 267 |              |                   | Thryssa chefuensis Günther, 1874     | Marine                    | Data deficient |
| 268 |              |                   | Thryssa dussumieri Valenciennes, 1848 | Marine, Mangrove, Coral reef, Intertidal | Least concern |
| 269 |              |                   | Thryssa hamiltonii Gray, 1835       | Marine, Mangrove, Coral reef | Least concern |
| 270 |              |                   | Thryssa kamalensis Bleeker, 1849     | Marine                    | Data deficient |

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| No | Orders | Families | Latin name | Habitats | IUCN |
|----|--------|----------|------------|----------|------|
| 271 | Thryssa | mystax | Bloch & Schneider, 1801 | Marine, Mangrove, Coral reef, Intertidal | Least concern |
| 272 | Thryssa | setirostris | Broussonet, 1782 | Marine, Mangrove, Coral reef | Least concern |
| 273 | Thryssa | vitrirostris | Gilchrist & Thompson, 1908 | Marine, Mangrove, Coral reef | Least concern |
| 274 | Pristigasteridae | Ilisha elongata | Anonymous [Bennett], 1830* | Marine, Mangrove, Coral reef | Least concern |
| 275 | Ilisha | filigera | Valenciennes, 1847 | Marine | Data deficient |
| 276 | Ilisha | melastoma | Bloch & Schneider, 1801 | Marine, Mangrove, Coral reef | Least concern |
| 277 | Opisthopterus | tardoore | Cuvier, 1829 | Marine | Least concern |
| 278 | Cypriniformes | Cobitidae | Cobitis turcica | Hankó, 1925 | Marine | Endangered |
| 279 | | Msgurus anguillicaudatus | Cantor, 1842 | Marine, Mangrove, Coral reef | Least concern |
| 280 | Cyprinidae | Carassioideae | acuminat | Richardson, 1846 | Marine | Least concern |
| 281 | | Carassius auratus | Linnaeus, 1758 | Marine, Mangrove, Coral reef | Least concern |
| 282 | Acheilognathus | tonkinensis | Vaillant, 1892 | Marine | Data deficient |
| 283 | Cirrhinus | molitorella | Valenciennes, 1844 | Marine, Mangrove, Coral reef | Near threatened |
| 284 | Ctenopharyngodon | idella | Valenciennes, 1844 | Marine, Mangrove, Coral reef | Not evaluated |
| 285 | Culter | flavipinnis | Tirant, 1883 | Marine | Data deficient |
| 286 | Cyprinus | carpio | Linnaeus, 1758 | Marine, Mangrove, Coral reef | Vulnerable |
| 287 | Cyprinus | melanes | Mai, 1978 | Marine | Data deficient |
| 288 | Hemibarbus | maculator | Bleeker, 1871 | Marine, Mangrove, Coral reef | Not evaluated |
| 289 | Hemiculter | leucisculus | Basilewsky, 1855 | Marine, Mangrove, Coral reef | Least concern |
| 290 | Henicorhynchus | siamensis | Sauvage, 1881 | Marine, Mangrove, Coral reef | Least concern |
| 291 | Hypophthalmichthys | molitrix | Valenciennes, 1844 | Marine, Mangrove, Coral reef | Near threatened |
| 292 | Osteochilus | lini | Fowler, 1935 | Marine | Least concern |
| 293 | Rasbora | steineri | Nichols & Pope, 1927 | Marine | Least concern |
| 294 | Metzia | lineata | Pellegrin, 1907 | Marine | Least concern |
| 295 | Rhodeus | ocellatus | Kner, 1866 | Marine | Data deficient |
| 296 | Rhodeus | spinalis | Oshima, 1926 | Marine | Least concern |
| 297 | Squalidus | chankaensis | Dybowsk, 1872 | Marine | Not evaluated |
| 298 | Cyprinodontiformes | Adrianichthyidae | Oryzias curvinotus | Nichols & Pope, 1927 | Marine, Mangrove, Coral reef | Data deficient |
| 299 | Poeciliidae | Poecilia reticulata | Peters, 1859 | Marine | Least concern |

Table continued on next page..................
| No | Orders         | Families       | Latin name                                      | Habitats                      | IUCN          |
|----|----------------|----------------|------------------------------------------------|-------------------------------|---------------|
| 300| Elopiformes    | Megalopidae    | *Megalops cyprinoides* Broussonet, 1782         | Marine, Mangrove, Coral reef  | Data deficient|
| 301| Gadiformes     | Bregmacerotidae| *Bregmaceros bathymaster* Jordan & Bollman, 1890| Marine                        | Least concern |
| 302|                |                | *Bregmaceros lanceolatus* Shen, 1960            | Marine                        | Not evaluated |
| 303|                |                | *Bregmaceros mcecellandi* Thompson, 1840        | Marine                        | Not evaluated |
| 304|                |                | *Bregmaceros nectabanus* Whitley, 1941         | Marine                        | Least concern |
| 305|                |                | *Bregmaceros pseudolanceolatus* Torii, Javominlo & Ozawa, 2004 | Marine | Not evaluated |
| 306| Gasterosteiformes | Centriscidae  | *Centriscus scutatus* Linnaeus, 1758           | Marine                        | Least concern |
| 307|                | Fistulariidae  | *Fistularia commersonii* Rüppell, 1838         | Marine, Mangrove, Coral reef  | Least concern |
| 308|                | fistulariidae  | *Fistularia petimba* Lacepède, 1803           | Marine, Mangrove, Coral reef  | Least concern |
| 309|                | Pegasidae      | *Eurypegasus draconis* Linnaeus, 1766          | Marine                        | Least concern |
| 310|                |                | *Pegasus laternarius* Cuvier, 1816*           | Marine                        | Data deficient|
| 311|                |                | *Pegasus volitans* Linnaeus, 1758              | Marine                        | Data deficient|
| 312| Gonorhynchiformes | Chanidae     | *Chanos chanos* Forsskål, 1775                 | Marine, Mangrove, Coral reef  | Least concern |
| 313|                | Velliferidae   | *Vellifer hypselopterus* Bleeker, 1879          | Marine                        | Least concern |
| 314| Lophiiformes   | Antennariidae  | *Antennarius hispidus* Bloch & Schneider, 1801 | Marine                        | Not evaluated |
| 315|                |                | *Antennarius maculatus* Desjardins, 1840       | Marine                        | Not evaluated |
| 316|                |                | *Antennarius striatus* Shaw, 1794              | Marine                        | Least concern |
| 317|                |                | *Antennarius nummifer* Cuvier, 1817            | Marine                        | Least concern |
| 318|                |                | *Histrio histrio* Linnaeus, 1758               | Marine                        | Least concern |
| 319| Lophiformes    | Lophiomus setigerus Vahl, 1797 | Marine | Least concern |
| 320| Lophiiiformes  | Ogocephalidae  | *Halieutaea fumosa* Alcock, 1894               | Marine                        | Least concern |
| 321|                |                | *Halieutaea indica* Annandale & Jenkins, 1910  | Marine                        | Least concern |
| 322|                |                | *Halieutaea stellata* Vahl, 1797*             | Marine                        | Least concern |
| 323| Mugiliformes   | Mugilidae      | *Crenimugil buchanani* Bleeker, 1853           | Marine, Mangrove, Coral reef  | Least concern |
| 324|                |                | *Crenimugil seheli* Forsskål, 1775            | Marine, Mangrove, Coral reef  | Least concern |
| 325| Mugiliformes   | Planiliza carinata | Valenciennes, 1836 | Marine, Mangrove, Coral reef, Intertidal | Not evaluated |
| 326|                |                | *Crenimugil pedaraki* Valenciennes, 1836       | Marine                        | Not evaluated |
| 327|                |                | *Mugil cephalus* Linnaeus, 1758               | Marine, Mangrove, Coral reef, Intertidal | Least concern |
| 328|                |                | *Osteomugil cunnnesius* Valenciennes, 1836     | Marine, Mangrove, Coral reef  | Not evaluated |

Table continued on next page................
| No | Orders | Families | Latin name | Habitats | IUCN       |
|----|--------|----------|------------|----------|------------|
| 330| Osteoglossiformes | Osteoglossidae | Osteomugil engeli Bleeker, 1858 | Marine, Mangrove, Coral reef | Least concern |
| 331| Osteoglossiformes | Osteoglossidae | Osteomugil perusii Valenciennes, 1836 | Marine | Least concern |
| 332| Osteoglossiformes | Planiliza affinis Günther, 1861 | Marine, Mangrove, Coral reef | Not evaluated |
| 333| Osteoglossiformes | Planiliza haematocheilus Temminck & Schlegel, 1845 | Marine, Mangrove, Coral reef | Not evaluated |
| 334| Osteoglossiformes | Planiliza macrolepis Smith, 1846 | Marine, Mangrove, Coral reef | Least concern |
| 335| Osteoglossiformes | Planiliza melinoptera Valenciennes, 1836 | Marine, Mangrove, Coral reef | Least concern |
| 336| Osteoglossiformes | Planiliza subviridis Valenciennes, 1836 | Marine, Mangrove, Coral reef | Not evaluated |
| 337| Osteoglossiformes | Myctophidae | Myctophus pterotum Alcock, 1890 | Marine | Least concern |
| 338| Osteoglossiformes | Bythitidae | Symbolophorus evermanni Gilbert, 1905 | Marine | Least concern |
| 339| Osteoglossiformes | Carapidae | Diancistrus fuscus Fowler, 1946 | Marine, Mangrove, Coral reef | Least concern |
| 340| Osmeriformes | Carapus mourlani (Petit, 1934) | Brotula multibarbarata Temminck & Schlegel, 1846 | Marine, Mangrove, Coral reef | Least concern |
| 341| Osmeriformes | Dinematicthyidae | Alionemanticthys riukiensis Aoyagi, 1954 | Marine, Mangrove, Coral reef | Least concern |
| 342| Osmeriformes | Ophidiidae | Neobythites unimaculatus Smith & Radeliffe, 1913 | Marine | Least concern |
| 343| Osmeriformes | Ophidiidae | Ophidion muraenocephalus Günther, 1880 | Marine | Least concern |
| 344| Osmeriformes | Osmeridae | Neosalanx brevoirostris Pellegrin, 1923 | Marine, Mangrove, Coral reef | Data deficient |
| 345| Osmeriformes | Osmeridae | Protosalanx chinensis Basilewsky, 1855 | Marine, Mangrove, Coral reef | Data deficient |
| 346| Osmeriformes | Osmeridae | Salanius ariakensis Kishinouye, 1902 | Marine, Intertidal | Not evaluated |
| 347| Osmeriformes | Osmeridae | Notopteridae | Notopterus notopterus Pallas, 1769 | Marine | Least concern |
| 348| Perciformes | Acanthuridae | Acanthurus dussumieri Valenciennes, 1835 | Marine, Mangrove, Coral reef | Least concern |
| 349| Perciformes | Acanthuridae | Acanthurus japonicus Schmidt, 1931 | Marine, Mangrove, Coral reef | Least concern |
| 350| Perciformes | Acanthuridae | Acanthurus lineatus Linnaeus, 1758 | Marine, Mangrove, Coral reef | Least concern |
| 351| Perciformes | Acanthuridae | Acanthurus nigrofuscus Forsskål, 1775 | Marine, Mangrove, Coral reef | Least concern |
| 352| Perciformes | Acanthuridae | Acanthurus olivaceus Bloch & Schneider, 1801 | Marine, Mangrove, Coral reef | Least concern |
| 353| Perciformes | Acanthuridae | Acanthurus tristegus Linnaeus, 1758 | Marine, Mangrove, Coral reef | Least concern |
| No. | Orders | Families | Latin name                                      | Habitats                        | IUCN         |
|-----|--------|----------|-------------------------------------------------|---------------------------------|--------------|
| 358 |        | Ctenochaetus striatus Quoy & Gaimard, 1825 | Marine, Mangrove, Coral reef      | Least concern                   |
| 359 |        | Naso annulatus Quoy & Gaimard, 1825     | Marine, Mangrove, Coral reef      | Least concern                   |
| 360 |        | Naso hexanthurus Bleeker, 1855          | Marine, Mangrove, Coral reef      | Least concern                   |
| 361 |        | Naso lituratus Forster, 1801            | Marine, Mangrove, Coral reef      | Least concern                   |
| 362 |        | Naso unicornis Forsskål, 1775           | Marine, Mangrove, Coral reef      | Least concern                   |
| 363 |        | Paracanthurus hepatus Linnaeus, 1766    | Marine, Mangrove, Coral reef      | Least concern                   |
| 364 |        | Zebroidae flavescent Bennett, 1828      | Marine, Mangrove, Coral reef      | Least concern                   |
| 365 |        | Zebroidae scopas Cuvier, 1829           | Marine, Mangrove, Coral reef      | Least concern                   |
| 366 |        | Zebroidae velifer Bloch, 1795            | Marine, Mangrove, Coral reef      | Least concern                   |
| 367 |        | Acropomataceae Acropoma japonicum Günther, 1859 | Marine | Not evaluated                         |
| 368 |        | Doederleinia berycoides Hilgendorf, 1879 | Marine | Not evaluated                         |
| 369 |        | Parascombrops philippinensis Günther, 1880 | Marine | Not evaluated                         |
| 370 |        | Ambassidae Ambassis ambassis Lacepède, 1802 | Marine | Least concern                         |
| 371 |        | Ambassis buruensis Bleeker, 1856        | Marine | Not evaluated                         |
| 372 |        | Ambassis gymnocephalus Lacepède, 1802   | Marine, Mangrove, Coral reef, Intertidal | Least concern |
| 373 |        | Ambassis interrupta Bleeker, 1853       | Marine, Mangrove, Coral reef      | Least concern                   |
| 374 |        | Ambassis kopsii Bleeker, 1858           | Marine | Not evaluated                         |
| 375 |        | Ambassis marianus Günther, 1880         | Marine, Mangrove, Coral reef      | Least concern                   |
| 376 |        | Ambassis urotaenia Bleeker, 1852        | Marine, Mangrove, Coral reef, Intertidal | Least concern |
| 377 |        | Ambassis vachellii Richardson, 1846     | Marine | Least concern                         |
| 378 |        | Anabantidae Anabas testudineus Bloch, 1792 | Marine, Mangrove, Coral reef      | Least concern                   |
| 379 |        | Apogonidae Apogon coccineus Rüppell, 1838 | Marine, Mangrove, Coral reef      | Not evaluated                   |
| 380 |        | Apogonichthyoides cathetogramma Tanaka, 1917 | Marine, Mangrove, Coral reef      | Not evaluated                   |
| 381 |        | Apogonichthyoides niger Döderlein, 1883 | Marine, Mangrove, Coral reef      | Not evaluated                   |
| 382 |        | Jaydia carinatus Cuvier, 1828           | Marine, Mangrove, Coral reef      | Not evaluated                   |
| 383 |        | Jaydia lineata Temminck & Schlegel, 1842 | Marine, Mangrove, Coral reef      | Not evaluated                   |

Table continued on next page.................
| No | Orders | Families | Latin name | Habitats | IUCN          |
|----|--------|----------|------------|----------|---------------|
| 384|        |          | Ostorhinchus moluccensis Valenciennes, 1832 | Marine, Mangrove, Coral reef | Not evaluated |
| 385|        |          | Ostorhinchus semilineatus Temminck & Schlegel, 1842 | Marine, Mangrove, Coral reef | Data deficient |
| 386|        |          | Apogonichthyoides sialis Jordan & Thompson, 1914 | Marine, Mangrove, Coral reef | Not evaluated |
| 387|        |          | Apogonichthyoides taeniatus Cuvier, 1828 | Marine, Mangrove, Coral reef | Not evaluated |
| 388|        |          | Apogonichthyoides timorensis Bleeker, 1854 | Marine, Mangrove, Coral reef | Not evaluated |
| 389|        |          | Cheilodipterus artus Smith, 1961 | Marine, Mangrove, Coral reef | Not evaluated |
| 390|        |          | Cheilodipterus intermedius Gon, 1993 | Marine, Mangrove, Coral reef | Not evaluated |
| 391|        |          | Cheilodipterus macrodon Lacepède, 1802 | Marine, Mangrove, Coral reef | Not evaluated |
| 392|        |          | Cheilodipterus quinquelineatus Cuvier, 1828 | Marine, Mangrove, Coral reef | Not evaluated |
| 393|        |          | Fibramia amboinensis Bleeker, 1853 | Marine, Mangrove, Coral reef | Data deficient |
| 394|        |          | Fibramia lateralis Valenciennes, 1832 | Marine, Mangrove, Coral reef | Least concern |
| 395|        |          | Fowleria aurita Valenciennes, 1831 | Marine, Mangrove, Coral reef | Not evaluated |
| 396|        |          | Fowleria marmorata Alleyne & MacLeay, 1877 | Marine, Mangrove, Coral reef | Not evaluated |
| 397|        |          | Jaydia ellioti Day, 1875 | Marine, Mangrove, Coral reef | Not evaluated |
| 398|        |          | Jaydia poeciloptera Cuvier, 1828 | Marine, Mangrove, Coral reef | Not evaluated |
| 399|        |          | Jaydia striata Smith & Radcliffe, 1912 | Marine, Mangrove, Coral reef | Not evaluated |
| 400|        |          | Jaydia striatodes Gon, 1997 | Marine, Mangrove, Coral reef | Not evaluated |
| 401|        |          | Jaydia truncata Bleeker, 1855 | Marine, Mangrove, Coral reef | Not evaluated |
| 402|        |          | Nectamia fusca Quoy & Gaimard, 1825 | Marine, Mangrove, Coral reef | Least concern |
| 403|        |          | Nectamia savayensis Günther, 1872 | Marine, Mangrove, Coral reef | Not evaluated |
| 404|        |          | Ostorhinchus angustatus Smith & Radcliffe, 1911 | Marine, Mangrove, Coral reef | Not evaluated |
| 405|        |          | Ostorhinchus apogonoides Bleeker, 1856 | Marine, Mangrove, Coral reef | Not evaluated |
| 406|        |          | Ostorhinchus aureus Lacepède, 1802 | Marine, Mangrove, Coral reef | Not evaluated |
| 407|        |          | Ostorhinchus cavitenis Jordan & Scale, 1907 | Marine, Mangrove, Coral reef | Not evaluated |
| No | Orders | Families | Latin name | Habits | IUCN |
|----|--------|----------|------------|--------|------|
| 408|        | Ostorhinchus chrysopomus | Bleeker, 1854 | Marine, Mangrove, Coral reef | Not evaluated |
| 409|        | Ostorhinchus cookii | Macleay, 1881 | Marine, Mangrove, Coral reef | Not evaluated |
| 410|        | Ostorhinchus cyanosoma | Bleeker, 1853 | Marine, Mangrove, Coral reef | Not evaluated |
| 411|        | Ostorhinchus doederleini | Jordan & Snyder, 1901 | Marine, Mangrove, Coral reef | Not evaluated |
| 412|        | Ostorhinchus endekataenia | Bleeker, 1852 | Marine, Mangrove, Coral reef | Not evaluated |
| 413|        | Ostorhinchus fasciatus | White, 1790 | Marine, Mangrove, Coral reef | Not evaluated |
| 414|        | Ostorhinchus fleurieu | Lacepède, 1802 | Marine, Mangrove, Coral reef | Least concern |
| 415|        | Ostorhinchus kiensis | Jordan & Snyder, 1901 | Marine, Mangrove, Coral reef | Not evaluated |
| 416|        | Ostorhinchus novemfasciatus | Cuvier, 1828 | Marine, Mangrove, Coral reef | Not evaluated |
| 417|        | Ostorhinchus pleuron | Fraser, 2005 | Marine, Mangrove, Coral reef | Not evaluated |
| 418|        | Pristiapogon kallopterus | Bleeker, 1856 | Marine, Mangrove, Coral reef | Not evaluated |
| 419|        | Sphaeramia nematoptera | Bleeker, 1856 | Marine, Mangrove, Coral reef | Not evaluated |
| 420|        | Taeniamia fucata | Cantor, 1849 | Marine, Mangrove, Coral reef | Not evaluated |
| 421|        | Taeniamia macroptera | Cuvier, 1828 | Marine, Mangrove, Coral reef | Not evaluated |
| 422|        | Taeniamia zosterophora | Bleeker, 1856 | Marine, Mangrove, Coral reef | Not evaluated |
| 423|        | Banjosidae | Banjos banjos | Richardson, 1846 | Marine | Not evaluated |
| 424|        | Belontiidae | Macropodus opercularis | Linnaeus, 1758 | Marine, Mangrove, Coral reef | Least concern |
| 425|        | Blenniidae | Aspidontus taeniatus | Quoy & Gaimard, 1834 | Marine, Mangrove, Coral reef | Least concern |
| 426|        | Cirripectes stigmaticus | Strasburg & Schultz, 1953 | Marine, Mangrove, Coral reef | Least concern |
| 427|        | Omobranchus punctatus | (Valenciennes, 1836) | Marine, Mangrove, Coral reef | Least concern |
| 428|        | Ecsenius melarchus | McKinney & Springer, 1976 | Marine, Mangrove, Coral reef | Least concern |
| 429|        | Ecsenius yaeyamaensis | Aoyagi, 1954 | Marine, Mangrove, Coral reef | Least concern |
| 430|        | Exallias brevis | Kner, 1868 | Marine, Mangrove, Coral reef | Least concern |
| 431|        | Laiphognathus multimaculatus | Smith, 1955 | Marine, Mangrove, Coral reef | Least concern |

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| No | Orders | Families | Latin name | Habitats | IUCN       |
|----|--------|----------|------------|----------|------------|
| 432|        | Meiacanthus grammistes | Valenciennes, 1836 | Marine, Mangrove, Coral reef | Least concern |
| 433|        | Omobranchus elegans | Steindachner, 1876 | Marine, Mangrove, Coral reef, Intertidal | Least concern |
| 434|        | Omobranchus elongatus | Peters, 1855 | Marine, Mangrove, Coral reef | Least concern |
| 435|        | Omobranchus fasciolatoceps | Richardson, 1846 | Marine, Mangrove, Coral reef | Least concern |
| 436|        | Omobranchus ferox | Herre, 1927 | Marine, Mangrove, Coral reef, Intertidal | Least concern |
| 437|        | Parablennius yatabei | Jordan & Snyder, 1900 | Marine, Mangrove, Coral reef | Least concern |
| 438|        | Parenchelyurus hepburni | Snyder, 1908 | Marine, Mangrove, Coral reef | Least concern |
| 439|        | Petroscirtes breviceps | Valenciennes, 1836 | Marine, Mangrove, Coral reef | Least concern |
| 440|        | Petroscirtes variabilis | Cantor, 1849 | Marine, Mangrove, Coral reef | Least concern |
| 441|        | Istiblennius dussumiheri | Valenciennes, 1836 | Marine, Mangrove, Coral reef, Intertidal | Least concern |
| 442|        | Salarias fasciatus | Bloch, 1786 | Marine, Mangrove, Coral reef | Least concern |
| 443|        | Salarias guttatus | Valenciennes, 1836 | Marine, Mangrove, Coral reef | Least concern |
| 444|        | Xiphasia setifer | Swainson, 1839 | Marine, Mangrove, Coral reef | Least concern |
| 445| Bramidae | Brama japonica | Hilgendorf, 1878 | Marine | Not evaluated |
| 446| Caesionidae | Caesio cuning | Bloch, 1791 | Marine, Mangrove, Coral reef | Least concern |
| 447|        | Caesio teres | Seale, 1906 | Marine, Mangrove, Coral reef | Least concern |
| 448|        | Caesio caerulea | Lacepède, 1801 | Marine, Mangrove, Coral reef | Least concern |
| 449|        | Pterocaesio chrysozona | Cuvier, 1830 | Marine, Mangrove, Coral reef | Least concern |
| 450|        | Pterocaesio digramma | Bleeker, 1864 | Marine, Mangrove, Coral reef | Least concern |
| 451|        | Pterocaesio tessellata | Carpenter, 1987 | Marine, Mangrove, Coral reef | Least concern |
| 452| Callanthiidae | Callanthias japonicus | Franz, 1910 | Marine | Not evaluated |
| 453| Callionymidae | Bathycallionymus kaianus | Günther, 1880 | Marine, Mangrove, Coral reef, Intertidal | Not evaluated |
| 454|        | Callionymus benteguri | Jordan & Snyder, 1900 | Marine | Not evaluated |
| 455|        | Callionymus curvicornis | Valenciennes, 1837 | Marine, Mangrove, Coral reef | Not evaluated |
| 456|        | Callionymus doryssus | Jordan & Fowler, 1903 | Marine, Mangrove, Coral reef | Not evaluated |

Table continued on next page..............
| No | Orders | Families | Latin name | Habitats                        | IUCN             |
|----|--------|----------|------------|---------------------------------|------------------|
| 457|        |          | Callionymus filamentosus Valenciennes, 1837 | Marine, Mangrove, Coral reef | Not evaluated    |
| 458|        |          | Callionymus hainanensis Li, 1966           | Marine, Mangrove, Coral reef | Not evaluated    |
| 459|        |          | Callionymus hindsii Richardson, 1844       | Marine, Mangrove, Coral reef | Not evaluated    |
| 460|        |          | Callionymus japonicus Houttuyn, 1782       | Marine, Mangrove, Coral reef | Not evaluated    |
| 461|        |          | Callionymus lunatus Temminck & Schlegel, 1845 | Marine, Mangrove, Coral reef | Not evaluated    |
| 462|        |          | Callionymus marquesensis Fricke, 1989       | Marine, Mangrove, Coral reef | Not evaluated    |
| 463|        |          | Callionymus meridionalis Suwardji, 1965    | Marine, Mangrove, Coral reef | Not evaluated    |
| 464|        |          | Callionymus octostigmatus Fricke, 1981     | Marine, Mangrove, Coral reef | Not evaluated    |
| 465|        |          | Callionymus regani Nakabo, 1979            | Marine              | Not evaluated    |
| 466|        |          | Callionymus schaapii Bleecker, 1852        | Marine, Mangrove, Coral reef | Not evaluated    |
| 467|        |          | Callionymus valenciennei Temminck & Schlegel, 1845 | Marine, Mangrove, Coral reef | Not evaluated    |
| 468|        |          | Dactylopus dactylopus Valenciennes, 1837   | Marine, Mangrove, Coral reef | Not evaluated    |
| 469|        |          | Repomucenus huguenini Bleecker, 1858       | Marine, Mangrove, Coral reef | Not evaluated    |
| 470|        |          | Repomucenus olivus Günther, 1873           | Marine, Mangrove, Coral reef | Not evaluated    |
| 471|        |          | Repomucenus virgis Jordan & Fowler, 1903   | Marine, Mangrove, Coral reef | Not evaluated    |
| 472|        |          | Synchiropus altivelis Temminck & Schlegel, 1845 | Marine              | Not evaluated    |
| 473|        |          | Synchiropus lateralis Richardson, 1844     | Marine, Mangrove, Coral reef | Not evaluated    |
| 474|        |          | Synchiropus marmoratus Peters, 1855        | Marine, Mangrove, Coral reef | Not evaluated    |
| 475|        |          | Synchiropus morrisoni Schultz, 1960        | Marine, Mangrove, Coral reef | Not evaluated    |
| 476|        |          | Synchiropus sechelensis Regan, 1908        | Marine, Mangrove, Coral reef | Not evaluated    |
| 477|        |          | Synchiropus splendidus Herre, 1927         | Marine              | Least concern    |
| 478| Caproidae |        | Antigonia rubescens Günther, 1860         | Marine              | Not evaluated    |
| 479| Carangidae |        | Alectis ciliaris Bloch, 1787              | Marine, Mangrove, Coral reef | Least concern    |
| 480|        |          | Alectis indica Rüppell, 1830              | Marine, Mangrove, Coral reef | Least concern    |
| 481|        |          | Alepes apercna Grant, 1987                | Marine              | Least concern    |
| 482|        |          | Alepes djedaba Forsskål, 1775             | Marine, Mangrove, Coral reef, Intertidal | Least concern |

Table continued on next page.............
| No  | Orders   | Families                  | Latin name                          | Habitats                  | IUCN     |
|-----|----------|---------------------------|-------------------------------------|---------------------------|----------|
| 483 | Alepes   | kleinii Bloch, 1793       | Alepes kleinii                        | Marine, Mangrove, Coral reef | Least concern |
| 484 | Alepes   | melanoptera Swainson, 1839 | Alepes melanoptera                    | Marine, Mangrove, Coral reef | Least concern |
| 485 | Alepes   | vari Cuvier, 1833         | Atropus atropos Blanchard, 1801      | Marine, Mangrove, Coral reef | Least concern |
| 486 | Atule    | mate Cuvier, 1833         | Atule mate Cuvier                    | Marine, Mangrove, Coral reef | Least concern |
| 487 | Carangoides | armatus Rüppell, 1830   | Carangoides armatus                   | Marine, Mangrove, Coral reef | Least concern |
| 488 | Carangoides | chrysophrys Cuvier, 1833 | Carangoides chrysophrys              | Marine, Mangrove, Coral reef | Least concern |
| 489 | Carangoides | coerulopinnatus Rüppell, 1830 | Carangoides coerulopinnatus | Marine, Mangrove, Coral reef | Least concern |
| 490 | Carangoides | equula Temminck & Schlegel, 1844 | Carangoides equula | Marine | Least concern |
| 491 | Carangoides | ferdau Forsskål, 1775   | Carangoides ferdau                    | Marine | Least concern |
| 492 | Carangoides | gymnostethus Cuvier, 1833 | Carangoides gymnostethus             | Marine | Least concern |
| 493 | Carangoides | malabaricus Bloch & Schneider, 1801 | Carangoides malabaricus | Marine, Mangrove, Coral reef | Least concern |
| 494 | Carangoides | oblongus Cuvier, 1833    | Carangoides oblongus                  | Marine | Least concern |
| 495 | Carangoides | praestus Anonymous [Bennett], 1830 | Carangoides praestus | Marine, Mangrove, Coral reef | Least concern |
| 496 | Caranx   | bucculentus Alleyne & Macleay, 1877 | Caranx bucculentus | Marine | Least concern |
| 497 | Caranx   | ignobilis Forsskål, 1775 | Caranx ignobilis                      | Marine | Least concern |
| 498 | Caranx   | sexfasciatus Quoy & Gaimard, 1825 | Caranx sexfasciatus                  | Marine, Mangrove, Coral reef, Intertidal | Least concern |
| 499 | Decapterus | kurroides Bleeker, 1855  | Decapterus kurroides                  | Marine | Least concern |
| 500 | Decapterus | macrourus Bleeker, 1851  | Decapterus macrourus                  | Marine | Least concern |
| 501 | Decapterus | maraudi Temminck & Schlegel, 1843 | Decapterus maraudi | Marine, Mangrove, Coral reef | Least concern |
| 502 | Decapterus | russelli Rüppell, 1830    | Decapterus russelli                   | Marine | Least concern |
| 503 | Elagatis  | bipinnulata Quoy & Gaimard, 1825 | Elagatis bipinnulata | Marine | Least concern |
| 504 | Gnathanodon | speciosus Forsskål, 1775 | Gnathanodon speciosus                 | Marine, Mangrove, Coral reef | Least concern |
| 505 | Megalaspis | cordyla Linnaeus, 1758    | Megalaspis cordyla                    | Marine, Mangrove, Coral reef | Least concern |
| 506 | Nucrates | ductor Linnaeus, 1758     | Nucrates ductor                      | Marine | Least concern |
| 507 | Parastromateus | niger Bloch, 1795 | Parastromateus niger                  | Marine, Mangrove, Coral reef | Least concern |
| 508 | Scomberoides | commersonianus Lacepède, 1801 | Scomberoides commersonianus | Marine | Least concern |
| 509 | Scomberoides | lysan Forsskål, 1775     | Scomberoides lysan                    | Marine, Mangrove, Coral reef | Least concern |
| 510 | Scomberoides | tala Cuvier, 1832        | Scomberoides tala                     | Marine, Mangrove, Coral reef | Least concern |
| 511 | Scomberoides | tol Cuvier, 1832         | Scomberoides tol                      | Marine | Least concern |
| 512 | Selar | boops Cuvier, 1833       | Selar boops                            | Marine | Least concern |

Table continued on next page.................
| No | Orders | Families | Latin name | Habitats | IUCN        |
|----|--------|----------|------------|----------|-------------|
| 514| Selar | crumenophthalmus Bloch, 1793 | Marine     | Least concern |
| 515| Selaroides | leptolepis Cuvier, 1833 | Marine, Mangrove, Coral reef | Least concern |
| 516| Seriola | dumerili Risso, 1810 | Marine     | Least concern |
| 517| Seriola | fasciata Bloch, 1793 | Marine     | Least concern |
| 518| Seriola | lalandi Valenciennes, 1833 | Marine     | Least concern |
| 519| Seriola | quinqueradiata Temminck & Schlegel, 1845 | Marine | Least concern |
| 520| Seriolina | nigrofasciata Rüppell, 1829 | Marine     | Least concern |
| 521| Trachinotus | baillonii Lacepède, 1801 | Marine     | Least concern |
| 522| Trachinotus | blochii Lacepède, 1801 | Marine     | Least concern |
| 523| Trachinotus | botla Shaw, 1803 | Marine     | Least concern |
| 524| Trachinotus | mookalee Cuvier, 1832 | Marine     | Least concern |
| 525| Trachinotus | ovatus Linnaeus, 1758 | Marine, Mangrove, Coral reef | Least concern |
| 526| Trachurus | japonicus Temminck & Schlegel, 1844 | Marine, Mangrove, Coral reef | Near threatened |
| 527| Ulua | mentalis Cuvier, 1833 | Marine, Mangrove, Coral reef | Least concern |
| 528| Uraspis | helvola Forster, 1801 | Marine     | Least concern |
| 529| Uraspis | secunda Poey, 1860 | Marine     | Least concern |
| 530| Centrolophidae | Psenopsis anomalata Temminck & Schlegel, 1844 | Marine, Mangrove, Coral reef | Least concern |
| 531| Cepolidae | Psenopsis shojimai Ochiai & Mori, 1965 | Marine | Not evaluated |
| 532| Acanthocepola | abbreviata Valenciennes, 1835 | Marine | Not evaluated |
| 533| Acanthocepola | indicata Day, 1888 | Marine, Mangrove, Coral reef | Not evaluated |
| 534| Acanthocepola | krusensternii Temminck & Schlegel, 1845 | Marine | Not evaluated |
| 535| Acanthocepola | limbata Valenciennes, 1835 | Marine | Not evaluated |
| 536| Cepola | schlegelii Bleeker, 1854 | Marine | Not evaluated |
| 537| Chaetodontidae | Chaetodon adierygastos Seale, 1910 | Marine, Mangrove, Coral reef | Least concern |
| 538| Chaetodon | auriga Forsskål, 1775 | Marine, Mangrove, Coral reef | Least concern |
| 539| Chaetodon | auripes Jordan & Snyder, 1901 | Marine, Mangrove, Coral reef | Least concern |
| 540| Chaetodon | baronessa Cuvier, 1829 | Marine, Mangrove, Coral reef | Least concern |
| 541| Chaetodon | ephippium Cuvier, 1831 | Marine, Mangrove, Coral reef | Least concern |
| 542| Chaetodon | falcula Bloch, 1795 | Marine, Mangrove, Coral reef | Least concern |
| 543| Chaetodon | kleinii Bloch, 1790 | Marine, Mangrove, Coral reef | Least concern |
| 544| Chaetodon | lineolatus Cuvier, 1831 | Marine, Mangrove, Coral reef | Least concern |

Table continued on next page.................
| No | Orders | Families | Latin name                  | Habitats          | IUCN             |
|----|--------|----------|-----------------------------|-------------------|------------------|
| 545|        |          | *Chaetodon lunula* Lacepède, 1802 | Marine, Mangrove, Coral reef | Least concern |
| 546|        |          | *Chaetodon lunulatus* Quoy & Gaimard, 1825 | Marine, Mangrove, Coral reef | Least concern |
| 547|        |          | *Chaetodon melannotus* Bloch & Schneider, 1801 | Marine, Mangrove, Coral reef | Least concern |
| 548|        |          | *Chaetodon octofasciatus* Bloch, 1787 | Marine, Mangrove, Coral reef | Least concern |
| 549|        |          | *Chaetodon rafflesii* Anonymous [Bennett], 1830 | Marine, Mangrove, Coral reef | Least concern |
| 550|        |          | *Chaetodon speculum* Cuvier, 1831 | Marine, Mangrove, Coral reef | Least concern |
| 551|        |          | *Chaetodon triangulum* Cuvier, 1831 | Marine, Mangrove, Coral reef | Least concern |
| 552|        |          | *Chaetodon trifascialis* Quoy & Gaimard, 1825 | Marine, Mangrove, Coral reef | Near threatened |
| 553|        |          | *Chaetodon trifasciatus* Park, 1797 | Marine, Mangrove, Coral reef | Least concern |
| 554|        |          | *Chaetodon wiebeli* Kaup, 1863 | Marine, Mangrove, Coral reef | Least concern |
| 555|        |          | *Roa excelsa* Jordan, 1921 | Marine, Mangrove, Coral reef | Least concern |
| 556|        |          | *Roa modesta* Temminck & Schlegel, 1844 | Marine, Mangrove, Coral reef | Least concern |
| 557|        |          | *Chelmon muelleri* Klunzinger, 1879 | Marine, Mangrove, Coral reef | Least concern |
| 558|        |          | *Chelmon rostratus* Linnaeus, 1758 | Marine, Mangrove, Coral reef | Least concern |
| 559|        |          | *Coradion altivelis* McCulloch, 1916 | Marine, Mangrove, Coral reef | Least concern |
| 560|        |          | *Coradion chrysozonus* Cuvier, 1831 | Marine, Mangrove, Coral reef | Least concern |
| 561|        |          | *Forcipiger flavissimus* Jordan & McGregor, 1898 | Marine, Mangrove, Coral reef | Least concern |
| 562|        |          | *Forcipiger longirostris* Broussonet, 1782 | Marine, Mangrove, Coral reef | Least concern |
| 563|        |          | *Heniochus acuminatus* Linnaeus, 1758 | Marine, Mangrove, Coral reef | Least concern |
| 564|        |          | *Heniochus chrysostomus* Cuvier, 1831 | Marine, Mangrove, Coral reef | Least concern |
| 565|        |          | *Heniochus diphreutes* Jordan, 1903 | Marine, Mangrove, Coral reef | Least concern |
| 566|        |          | *Heniochus monoceros* Cuvier, 1831 | Marine, Mangrove, Coral reef | Least concern |
| 567|        |          | *Heniochus singularius* Smith & Radcliffe, 1911 | Marine, Mangrove, Coral reef | Least concern |

*Table continued on next page...............*
| No | Orders      | Families       | Latin name                               | Habitats                  | IUCN          |
|----|-------------|----------------|------------------------------------------|---------------------------|---------------|
| 568| Parachaeodon ocellatus | Cuvier, 1831   | Marine, Mangrove, Coral reef             | Least concern             |
| 569| Champso-     | atidontidae    | Champso don atridorsalis Ochiai & Nakamura, 1964 | Marine                   | Not evaluated |
| 570| Champso-     | capensis       | Regan, 1908                              | Marine, Mangrove, Coral reef | Least concern |
| 571| Champso-     | snyderi       | Franz, 1910                              | Marine                    | Not evaluated |
| 572| Champso-     | vorax         | Günther, 1867                            | Marine                    | Not evaluated |
| 573| Channidae    | Channa maculata | Lacepède, 1801                           | Marine, Mangrove, Coral reef | Least concern |
| 574| Channa striata | Bloch, 1793    | Marine                                   | Least concern             |
| 575| Cheilodactylidae | Champsodon atridorsalis Ochiai & Nakamura, 1964 | Marine                   | Not evaluated             |
| 576| Cheilodactylidae | Champsodon capensis Regan, 1908       | Marine, Mangrove, Coral reef             | Least concern             |
| 577| Champsodon    | Vorax         | Günther, 1867                            | Marine                    | Not evaluated |
| 578| Champsodon    | Snyderi       | Franz, 1910                              | Marine                    | Not evaluated |
| 579| Champsodon    | Vorax         | Günther, 1867                            | Marine                    | Not evaluated |
| 580| Champsodon    | Vorax         | Günther, 1867                            | Marine                    | Not evaluated |
| 581| Champsodon    | Vorax         | Günther, 1867                            | Marine                    | Not evaluated |
| 582| Champsodon    | Vorax         | Günther, 1867                            | Marine                    | Not evaluated |
| 583| Champsodon    | Vorax         | Günther, 1867                            | Marine                    | Not evaluated |
| 584| Champsodon    | Vorax         | Günther, 1867                            | Marine                    | Not evaluated |
| 585| Champsodon    | Vorax         | Günther, 1867                            | Marine                    | Not evaluated |
| 586| Champsodon    | Vorax         | Günther, 1867                            | Marine                    | Not evaluated |
| 587| Champsodon    | Vorax         | Günther, 1867                            | Marine                    | Not evaluated |
| 588| Champsodon    | Vorax         | Günther, 1867                            | Marine                    | Not evaluated |
| 589| Champsodon    | Vorax         | Günther, 1867                            | Marine                    | Not evaluated |
| 590| Champsodon    | Vorax         | Günther, 1867                            | Marine                    | Not evaluated |
| 591| Champsodon    | Vorax         | Günther, 1867                            | Marine                    | Not evaluated |
| 592| Champsodon    | Vorax         | Günther, 1867                            | Marine                    | Not evaluated |
| 593| Champsodon    | Vorax         | Günther, 1867                            | Marine                    | Not evaluated |
| 594| Champsodon    | Vorax         | Günther, 1867                            | Marine                    | Not evaluated |
| 595| Champsodon    | Vorax         | Günther, 1867                            | Marine                    | Not evaluated |

Table continued on next page..............
| No | Orders | Families | Latin name | Habitats | IUCN       |
|----|--------|----------|------------|----------|------------|
| 596|        | Eleotris | fusca Forster, 1801 | Marine   | Least concern |
| 597|        | Eleotris | melanosoma Bleeker, 1853 | Marine, Mangrove, Coral reef | Least concern |
| 598|        | Eleotris | oxycephala Temminck & Schlegel, 1845 | Marine, Mangrove, Coral reef | Least concern |
| 599|        | Odontobutis | sinensis Wu, Chen & Chong, 2002 | Marine | Not evaluated |
| 600|        | Ophiocara | porocepha Valenciennes, 1837 | Marine, Mangrove, Coral reef | Least concern |
| 601|        | Prionobutis | dasyrhynchos Günther, 1868 | Marine, Mangrove, Coral reef | Data deficient |
| 602|        | Emmelichtyidae | Erythrocles schlegelii Richardson, 1846 | Marine | Least concern |
| 603|        | Ephippidae | Epihippus oris Bloch, 1787 | Marine, Mangrove, Coral reef | Not evaluated |
| 604|        | Gempylidae | Rhexa prometheoides Bleeker, 1856 | Marine | Not evaluated |
| 605|        | Gerreidae | Gerres decacanthus Bleeker, 1864 | Marine, Mangrove, Coral reef | Not evaluated |
| 606|        | Gerreidae | Gerres erythraeus Bloch, 1791 | Marine | Least concern |
| 607|        | Gerreidae | Gerres filamentosus Cuvier, 1829 | Marine, Mangrove, Coral reef | Least concern |
| 608|        | Gerreidae | Gerres japonicus Bleeker, 1854 | Marine, Mangrove, Coral reef | Not evaluated |
| 609|        | Gerreidae | Gerres limbatis Cuvier, 1830 | Marine, Mangrove, Coral reef | Least concern |
| 610|        | Gerreidae | Gerres longirostris Lacepede, 1801 | Marine, Mangrove, Coral reef | Least concern |
| 611|        | Gerreidae | Gerres macrocanthus Bleeker, 1854 | Marine | Not evaluated |
| 612|        | Gerreidae | Gerres oblongus Cuvier, 1830 | Marine | Least concern |
| 613|        | Gerreidae | Gerres oyena Forsskål, 1775 | Marine, Mangrove, Coral reef | Least concern |
| 614|        | Gerreidae | Gerres septemfasciatus Liu & Yan, 2009 | Marine | Not evaluated |
| 615|        | Gerreidae | Gerres shima Iwatsuki, Kimura & Yoshino, 2007 | Marine | Not evaluated |
| 616|        | Pentaprion | longimanus Cantor, 1849 | Marine, Mangrove, Coral reef | Least concern |
| 617|        | Girellidae | Girella punctata Gray, 1835 | Marine | Not evaluated |
| 618|        | Glaucosomatidae | Glaucosoma buergeri Richardson, 1845 | Marine | Not evaluated |
| 619|        | Gobiidae | Acanthogobius flavimanus Temminck & Schlegel, 1845 | Marine | Least concern |
| 620|        | Gobiidae | Acanthogobius stigmotherus Richardson, 1845 | Marine | Not evaluated |
| 621|        | Acentrogobius | audax Smith, 1959 | Marine | Least concern |
| 622|        | Acentrogobius | caninus Valenciennes, 1837 | Marine, Mangrove, Coral reef, Intertidal | Least concern |
| 623|        | Acentrogobius | janthinopterus Bleeker, 1853 | Marine, Mangrove, Coral reef | Least concern |
| 624|        | Acentrogobius | nebulosus Forsskål, 1775 | Marine, Mangrove, Coral reef | Least concern |

*Table continued on next page...............*
| No | Orders | Families | Latin name | Habitats | IUCN       |
|----|--------|----------|------------|----------|------------|
| 625|        | Acentrogobius | pflaumii  | Marine, Mangrove, Coral reef | Not evaluated |
| 626|        | Acentrogobius | viganensis | Marine, Mangrove, Coral reef | Not evaluated |
| 627|        | Acentrogobius | viridipunctatus | Marine, Mangrove, Coral reef, Intertidal | Least concern |
| 628|        | Drombus | ocyurus  | Marine | Not evaluated |
| 629|        | Amblychaeturichthys | hexanema | Marine | Not evaluated |
| 630|        | Amblyeleotris | fontanesii | Marine, Mangrove, Coral reef | Least concern |
| 631|        | Amblyeleotris | gymnocephala | Marine | Least concern |
| 632|        | Amblyeleotris | periophthalma | Marine, Mangrove, Coral reef | Least concern |
| 633|        | Amblyeleotris | wheeleri | Marine, Mangrove, Coral reef | Least concern |
| 634|        | Amblygobius | albimaculatus | Marine | Least concern |
| 635|        | Amblygobius | hynoensis | Marine | Least concern |
| 636|        | Amblygobius | decussatus | Marine, Mangrove, Coral reef | Least concern |
| 637|        | Amblygobius | phalaena | Marine, Mangrove, Coral reef | Least concern |
| 638|        | Amblyotrypauchen | arctocephalus | Marine | Least concern |
| 639|        | Acentrogobius | chlorostigmaticus | Marine, Mangrove, Coral reef, Intertidal | Not evaluated |
| 640|        | Anomya | madraspatensis | Marine | Not evaluated |
| 641|        | Anchoviella | brevirostris | Marine, Mangrove, Coral reef | Least concern |
| 642|        | Apocryptodon | madurensis | Marine, Mangrove, Coral reef | Not evaluated |
| 643|        | Apocryptodon | punctatus | Marine, Mangrove, Coral reef | Least concern |
| 644|        | Arcygoebius | baliurus | Marine | Data deficient |
| 645|        | Aulopareia | atripinnata | Marine, Mangrove, Coral reef | Not evaluated |
| 646|        | Aulopareia | unicolor | Marine | Least concern |
| 647|        | Awaous | melanochalalus | Marine, Mangrove, Coral reef | Data deficient |
| 648|        | Awaous | ocellaris | Marine | Least concern |
| 649|        | Bathygobius | fuscus | Marine, Mangrove, Coral reef, Intertidal | Least concern |
| 650|        | Bathygobius | hongkongensis | Marine, Mangrove, Coral reef | Not evaluated |
| 651|        | Boleophthalmus | pectinirostris | Marine, Mangrove, Coral reef, Intertidal | Not evaluated |
| 652|        | Brachyamblyopus | brachysoma | Marine, Mangrove, Coral reef | Not evaluated |
| 653|        | Karsten | totoyensis | Marine | Not evaluated |

Table continued on next page..............
| No | Orders     | Families          | Latin name                        | Habitats                  | IUCN           |
|----|------------|-------------------|-----------------------------------|---------------------------|----------------|
| 654|            |                   | Caragobius urolepis Bleeker, 1852 | Marine, Mangrove, Coral reef | Least concern |
| 655|            |                   | Chaeturichthys stigmatias Richardson, 1844 | Marine, Mangrove, Coral reef | Not evaluated |
| 656|            |                   | Cryptocentrus caeruleomaculatus Herre, 1933 | Marine | Least concern |
| 657|            |                   | Cryptocentrus leptoccephalus Bleeker, 1876 | Marine, Mangrove, Coral reef | Least concern |
| 658|            |                   | Cryptocentrus pavoninoides Bleeker, 1849 | Marine, Mangrove, Coral reef | Data deficient |
| 659|            |                   | Cryptocentrus yatsui Tomiyama, 1936 | Marine, Mangrove, Coral reef, Intertidal | Not evaluated |
| 660|            | Tomiymichthys russus Cantor, 1849 | Marine | Not evaluated |
| 661|            |                   | Ctenogobiops formosa Randall, Shao & Chen, 2003 | Marine, Mangrove, Coral reef | Not evaluated |
| 662|            |                   | Ctenogobiops mitodes Randall, Shao & Chen, 2007 | Marine | Not evaluated |
| 663|            |                   | Ctenogobius chusnensis Herre, 1940 | Marine, Mangrove, Coral reef, Intertidal | Not evaluated |
| 664|            |                   | Gymnogobius urotaenia Hilgendorf, 1879 | Marine, Mangrove, Coral reef | Not evaluated |
| 665|            |                   | Ctenotrypauchen chinensis Steindachner, 1867 | Marine, Mangrove, Coral reef | Not evaluated |
| 666|            |                   | Drombus palackyi Jordan & Scale, 1905 | Marine | Not evaluated |
| 667|            |                   | Drombus triangularis Weber, 1909 | Marine, Mangrove, Coral reef | Least concern |
| 668|            |                   | Eviota albolineata Jewett & Lachner, 1983 | Marine, Mangrove, Coral reef | Least concern |
| 669|            |                   | Eviota storthynx Rofen, 1959 | Marine | Least concern |
| 670|            |                   | Exyrias bellissimus Smith, 1959 | Marine, Mangrove, Coral reef | Least concern |
| 671|            |                   | Exyrias puntang Bleeker, 1851 | Marine, Mangrove, Coral reef | Least concern |
| 672|            |                   | Favonigobius gymnauchen Bleeker, 1860 | Marine, Mangrove, Coral reef, Intertidal | Not evaluated |
| 673|            |                   | Favonigobius reichei Bleeker, 1854 | Marine, Mangrove, Coral reef | Least concern |
| 674|            |                   | Glossogobius circumspectus Macleay, 1883 | Marine, Mangrove, Coral reef | Least concern |
| 675|            |                   | Glossogobius giuris Hamilton, 1822 | Marine, Mangrove, Coral reef, Intertidal | Least concern |
| 676|            |                   | Glossogobius olivaceus Temminck & Schlegel, 1845 | Marine, Mangrove, Coral reef | Least concern |
| 677|            |                   | Gobiopterus macrostoma Steindachner, 1861 | Marine | Least concern |
| 678|            |                   | Gobiotrus lacustris Herre, 1927 | Marine, Mangrove, Coral reef | Data deficient |
| 679|            |                   | Cotylopus rubripinnis Keith, Hoareau & Bosc, 2005 | Marine, Mangrove, Coral reef | Vulnerable |
| 680|            |                   | Istigobius campbelli Jordan & Snyder, 1901 | Marine, Mangrove, Coral reef, Intertidal | Not evaluated |

*Table continued on next page..............*
| No  | Orders | Families | Latin name                  | Habitats                  | IUCN       |
|-----|--------|----------|-----------------------------|---------------------------|------------|
| 681 |        |          | Istigobius hoshinonis       | Tanaka, 1917               | Least concern |
|     |        |          | Marine, Mangrove,           | Coral reef                |            |
| 682 |        |          | Istigobius ornatus          | Rüppell, 1830              | Least concern |
|     |        |          | Marine, Intertidal          |                           |            |
| 683 |        |          | Istigobius spence           | Smith, 1947                | Least concern |
|     |        |          | Marine                      |                           |            |
| 684 |        |          | Luciogobius guttatus        | Gill, 1859                 | Not evaluated |
|     |        |          | Marine, Mangrove,           | Coral reef                |            |
| 685 |        |          | Mahidolia mystacina         | Valenciennes, 1837         | Least concern |
|     |        |          | Marine                      |                           |            |
| 686 |        |          | Mugilogobius abei           | Jordan & Snyder, 1901      | Least concern |
|     |        |          | Marine, Mangrove,           | Coral reef                |            |
| 687 |        |          | Mugilogobius chulae         | Smith, 1932                | Least concern |
|     |        |          | Marine, Mangrove,           | Coral reef                |            |
| 688 |        |          | Mugilogobius myxodermus     | Herre, 1935                | Not evaluated |
|     |        |          | Marine, Mangrove,           | Coral reef                |            |
| 689 |        |          | Myersina crocata            | Wongratana, 1975           | Not evaluated |
|     |        |          | Marine                      |                           |            |
| 690 |        |          | Myersina filifer            | Valenciennes, 1837         | Least concern |
|     |        |          | Marine, Mangrove,           | Coral reef, Intertidal     |            |
| 691 |        |          | Myersina macrostoma         | Herre, 1934                | Not evaluated |
|     |        |          | Marine                      |                           |            |
| 692 |        |          | Myersina papuanus           | Peters, 1877               | Not evaluated |
|     |        |          | Marine, Mangrove,           | Coral reef                |            |
| 693 |        |          | Odontamblyopus lacepedii    | Temminck & Schlegel, 1845  | Not evaluated |
|     |        |          | Marine                      |                           |            |
| 694 |        |          | Odontamblyopus rubicundus   | Hamilton, 1822             | Least concern |
|     |        |          | Marine, Mangrove,           | Coral reef                |            |
| 695 |        |          | Oligolepis acutipennis      | Valenciennes, 1837         | Least concern |
|     |        |          | Marine, Mangrove,           | Coral reef                |            |
| 696 |        |          | Oligolepis jaarmani         | Weber, 1913                | Least concern |
|     |        |          | Marine, Mangrove,           | Coral reef                |            |
| 697 |        |          | Oplonopus oplopus           | Valenciennes, 1837         | Least concern |
|     |        |          | Marine                      |                           |            |
| 698 |        |          | Oxidentes dentatus          | Eydoux & Souleyet, 1850    | Data deficient |
|     |        |          | Marine, Mangrove,           | Coral reef                |            |
| 699 |        |          | Oxyurichthys achenolepis    | Bleeker, 1876              | Not evaluated |
|     |        |          | Marine                      |                           |            |
| 700 |        |          | Oxyurichthys microlepis     | Bleeker, 1849              | Least concern |
|     |        |          | Marine, Mangrove,           | Coral reef                |            |
| 701 |        |          | Oxyurichthys ophthalmonema  | Bleeker, 1856              | Least concern |
|     |        |          | Marine, Mangrove,           | Coral reef, Intertidal     |            |
| 702 |        |          | Oxyurichthys papuensis      | Valenciennes, 1837         | Least concern |
|     |        |          | Marine, Mangrove,           | Coral reef, Intertidal     |            |
| 703 |        |          | Oxyurichthys tentacularis   | Valenciennes, 1837         | Data deficient |
|     |        |          | Marine, Mangrove,           | Coral reef                |            |
| 704 |        |          | Oxyurichthys uronema        | Weber, 1909                | Not evaluated |
|     |        |          | Marine                      |                           |            |
| 705 |        |          | Parachaeturoichthys         | polyneuma Bleeker, 1853    | Least concern |
|     |        |          | Marine, Mangrove,           | Coral reef                |            |
| 706 |        |          | Paragobiodon echnicephalus  | Rüppell, 1830              | Least concern |
|     |        |          | Marine                      |                           |            |
| 707 |        |          | Paragobiodon xanthosoma     | Bleeker, 1853              | Least concern |
|     |        |          | Marine, Intertidal          |                           |            |
| 708 |        |          | Parapocryptes serperaster   | Richardson, 1846           | Least concern |
|     |        |          | Marine, Mangrove,           | Coral reef                |            |
| No | Orders | Families | Latin name                              | Habitats                           | IUCN       |
|----|--------|----------|-----------------------------------------|------------------------------------|------------|
| 709|        |          | Paratrypauchen microcephalus Bleeker, 1860 | Marine, Mangrove, Coral reef, Intertidal | Least concern |
| 710|        |          | Periophthalmus novaeguineensis Eggert, 1935 | Marine, Mangrove, Coral reef, Intertidal | Least concern |
| 711|        |          | Priolepis semidoliata Valenciennes, 1837 | Marine, Mangrove, Coral reef         | Least concern |
| 712|        |          | Psammogobius biocellatus Valenciennes, 1837 | Marine, Mangrove, Coral reef, Intertidal | Least concern |
| 713|        |          | Pseudogobius javanicus Bleeker, 1856       | Marine, Mangrove, Coral reef         | Not evaluated |
| 714|        |          | Pseudogobius masago Tomiyama, 1936         | Marine, Mangrove, Coral reef         | Not evaluated |
| 715|        |          | Rhinogobius giurinus Rutter, 1897          | Marine, Mangrove, Coral reef         | Least concern |
| 716|        |          | Scartelaos histophorus Valenciennes, 1837  | Marine, Mangrove, Coral reef, Intertidal | Least concern |
| 717|        |          | Sicydium brevifile Ogilvie-Grant, 1884     | Marine, Mangrove, Coral reef         | Least concern |
| 718|        |          | Sicyopterus lagocephalus Pallas, 1770      | Marine, Mangrove, Coral reef         | Least concern |
| 719|        |          | Sicyopterus pugnans Ogilvie-Grant, 1884    | Marine, Mangrove, Coral reef         | Least concern |
| 720|        |          | Sicyopus zosterophorus Bleeker, 1856       | Marine, Mangrove, Coral reef         | Least concern |
| 721|        |          | Stenogobius genivittatus Valenciennes, 1837 | Marine                             | Least concern |
| 722|        |          | Stiphodon elegans Steindachner, 1879       | Marine, Mangrove, Coral reef         | Least concern |
| 723|        |          | Acanthogobius hasta Temminck & Schlegel, 1845 | Marine, Mangrove, Coral reef, Intertidal | Least concern |
| 724|        |          | Synegobius onnaturus Richardson, 1845      | Marine, Mangrove, Coral reef         | Not evaluated |
| 725|        |          | Tridentiger barbatus Günther, 1861         | Marine, Mangrove, Coral reef         | Not evaluated |
| 726|        |          | Tridentiger bifasciatus Steindachner, 1881 | Marine, Mangrove, Coral reef         | Least concern |
| 727|        |          | Tridentiger obscurus Temminck & Schlegel, 1845 | Marine, Mangrove, Coral reef         | Not evaluated |
| 728|        |          | Tridentiger trigonocephalus Gill, 1859     | Marine, Mangrove, Coral reef         | Least concern |
| 729|        |          | Trimma okinawae Aoyagi, 1949               | Marine, Mangrove, Coral reef         | Least concern |
| 730|        |          | Trypauchen pelaeos Murdy, 2006             | Marine                             | Not evaluated |
| 731|        |          | Trypauchen vagina Bloch & Schneider, 1801   | Marine, Mangrove, Coral reef, Intertidal | Least concern |
| 732|        |          | Trypauchenichthys sumatrensis Hardenberg, 1931 | Marine, Mangrove, Coral reef         | Data deficient |
| 733|        |          | Trypauchenopsis intermedia Volz, 1903      | Marine                             | Least concern |
| 734|        |          | Valenciennea immaculata Ni, 1981           | Marine                             | Not evaluated |

Table continued on next page.................
| No  | Orders     | Families    | Latin name                                          | Habitats                        | IUCN            |
|-----|------------|-------------|-----------------------------------------------------|---------------------------------|-----------------|
| 735 |            | Valenciennea | Valenciennea muralis Valenciennes, 1837             | Marine, Mangrove, Coral reef    | Least concern   |
| 736 |            | valdoctoides | Valenciennea wardii Playfair, 1867                  | Marine                           | Least concern   |
| 737 |            | Yongeichtys  | criniger Valenciennes, 1837                         | Marine, Mangrove, Coral reef    | Not evaluated   |
| 738 | Haemulidae |             | Diagramma pictum Thunberg, 1792                     | Marine, Mangrove, Coral reef    | Not evaluated   |
| 739 |            |             | Hapalogenys analis Richardson, 1845*                | Marine, Mangrove, Coral reef    | Not evaluated   |
| 740 |            |             | Hapalogenys kishinouyei Smith & Pope, 1906         | Marine                           | Not evaluated   |
| 741 |            |             | Hapalogenys nigripinnis Temminck & Schlegel, 1843* | Marine                           | Not evaluated   |
| 742 |            |             | Parapristipoma trilineatum Thunberg, 1793          | Marine, Mangrove, Coral reef    | Not evaluated   |
| 743 |            |             | Plectorhinchus chaetodonoides Lacepède, 1801        | Marine, Mangrove, Coral reef    | Not evaluated   |
| 744 |            |             | Plectorhinchus cinctus Temminck & Schlegel, 1843   | Marine, Mangrove, Coral reef    | Not evaluated   |
| 745 |            |             | Plectorhinchus flavomaculatus Cuvier, 1830         | Marine, Mangrove, Coral reef    | Not evaluated   |
| 746 |            |             | Plectorhinchus gibbosus Lacepède, 1802             | Marine, Mangrove, Coral reef    | Least concern   |
| 747 |            |             | Plectorhinchus lessonii Cuvier, 1830               | Marine, Mangrove, Coral reef    | Not evaluated   |
| 748 |            |             | Plectorhinchus lineatus Linnaeus, 1758             | Marine, Mangrove, Coral reef    | Not evaluated   |
| 749 |            |             | Plectorhinchus pictus Tortonese, 1936              | Marine, Mangrove, Coral reef    | Least concern   |
| 750 |            |             | Plectorhinchus schotaf Forsskål, 1775             | Marine, Mangrove, Coral reef    | Least concern   |
| 751 |            |             | Plectorhinchus vittatus Linnaeus, 1758             | Marine, Mangrove, Coral reef    | Least concern   |
| 752 | Pomadasy  |             | Pomadasy argenteus Forsskål, 1775                  | Marine, Mangrove, Coral reef    | Least concern   |
| 753 |            |             | Pomadasy argyreus Valenciennes, 1833               | Marine                           | Least concern   |
| 754 |            |             | Pomadasy kaakan Cuvier, 1830                       | Marine, Mangrove, Coral reef    | Not evaluated   |
| 755 |            |             | Pomadasy maculatus Bloch, 1793                     | Marine, Mangrove, Coral reef    | Least concern   |
| 756 | Histiohor- | Istriophorus | platypterus Shaw, 1792                             | Marine                           | Least concern   |
| 757 | idae       |             |                                                     |                                 |                 |
| 758 | Istriophoridae | Kalikia   | audax Philippi, 1887                              | Marine                           | Near threatened |
| 759 | Kyphosidae |            | Kyphosus bigibbus Lacepède, 1801                   | Marine                           | Least concern   |
| 760 |            |             | Kyphosus cinerascens Forsskål, 1775               | Marine, Mangrove, Coral reef    | Least concern   |
|     |            |             | Kyphosus vaigensis Quoy & Gaimard, 1825           | Marine, Mangrove, Coral reef    | Least concern   |

Table continued on next page..............
| No | Orders     | Families | Latin name                      | Habitats                  | IUCN            |
|----|------------|----------|---------------------------------|---------------------------|-----------------|
| 761|            |          | *Microcanthus strigatus* Cuvier, 1831 | Marine, Mangrove, Coral reef | Least concern   |
| 762| Labridae   |          | *Bodianus axillaris* Bennett, 1832 | Marine, Mangrove, Coral reef | Least concern   |
| 763|            |          | *Bodianus oxycephalus* Bleeker, 1862 | Marine, Mangrove, Coral reef | Data deficient  |
| 764|            |          | *Cheilinus chlorourus* Bloch, 1791 | Marine, Mangrove, Coral reef | Least concern   |
| 765|            |          | *Cheilinus trilabatus* Lacepède, 1801 | Marine, Mangrove, Coral reef | Least concern   |
| 766|            |          | *Choerodon anchorago* Bloch, 1791 | Marine, Mangrove, Coral reef | Least concern   |
| 767|            |          | *Choerodon azurio* Jordan & Snyder, 1901 | Marine, Mangrove, Coral reef | Data deficient  |
| 768|            |          | *Choerodon cyanodus* Richardson, 1843 | Marine, Mangrove, Coral reef | Least concern   |
| 769|            |          | *Choerodon schoenleinii* Valenciennes, 1839 | Marine, Mangrove, Coral reef | Near threatened |
| 770|            |          | *Cirrhilabrus punctatus* Randall & Kuiter, 1989 | Marine, Mangrove, Coral reef | Least concern   |
| 771|            |          | *Cirrhilabrus temminckii* Bleeker, 1853 | Marine, Mangrove, Coral reef | Data deficient  |
| 772|            |          | *Coris gaimard* Quoy & Gaimard, 1824 | Marine, Mangrove, Coral reef | Least concern   |
| 773|            |          | *Coris variegata* Rüppell, 1835 | Marine, Mangrove, Coral reef | Least concern   |
| 774|            |          | *Epibulus insidiator* Pallas, 1770 | Marine, Mangrove, Coral reef | Least concern   |
| 775|            |          | *Gomphosus varius* Lacepède, 1801 | Marine, Mangrove, Coral reef | Least concern   |
| 776|            |          | *Halichoeres argus* Bloch & Schneider, 1801 | Marine, Mangrove, Coral reef | Least concern   |
| 777|            |          | *Halichoeres bicolor* Bloch & Schneider, 1801 | Marine, Mangrove, Coral reef | Least concern   |
| 778|            |          | *Halichoeres chrysus* Randall, 1981 | Marine, Mangrove, Coral reef | Least concern   |
| 779|            |          | *Halichoeres cosmetus* Randall & Smith, 1982 | Marine, Mangrove, Coral reef | Least concern   |
| 780|            |          | *Halichoeres hortulanus* Lacepède, 1801 | Marine, Mangrove, Coral reef | Least concern   |
| 781|            |          | *Halichoeres leucoxanthis* Randall & Smith, 1982 | Marine, Mangrove, Coral reef | Least concern   |
| 782|            |          | *Halichoeres leucurus* Walbaum, 1792 | Marine, Mangrove, Coral reef | Least concern   |
| 783|            |          | *Halichoeres margaritaceus* Valenciennes, 1839 | Marine, Mangrove, Coral reef | Least concern   |
| 784|            |          | *Halichoeres marginatus* Rüppell, 1835 | Marine, Mangrove, Coral reef | Least concern   |

*Table continued on next page...............*
| No | Orders | Families | Latin name | Habitats | IUCN |
|----|--------|----------|------------|----------|------|
| 785 |  |  | Halichoeres melanochir Fowler & Bean, 1928 | Marine, Mangrove, Coral reef | Least concern |
| 786 |  |  | Halichoeres melanurus Bleeker, 1851 | Marine, Mangrove, Coral reef | Least concern |
| 787 |  |  | Halichoeres nebulosus Valenciennes, 1839 | Marine, Mangrove, Coral reef | Least concern |
| 788 |  |  | Halichoeres nigrescens Bloch & Schneider, 1801 | Marine, Mangrove, Coral reef | Least concern |
| 789 |  |  | Halichoeres ornatissimus Garrett, 1863 | Marine, Mangrove, Coral reef | Least concern |
| 790 |  |  | Halichoeres prosopeion Bleeker, 1853 | Marine, Mangrove, Coral reef | Least concern |
| 791 |  |  | Halichoeres scapularis Bennett, 1832 | Marine, Mangrove, Coral reef | Least concern |
| 792 |  |  | Halichoeres trimaculatus Quoy & Gaimard, 1834 | Marine, Mangrove, Coral reef | Least concern |
| 793 |  |  | Hemigymnus fasciatus Bloch, 1792 | Marine, Mangrove, Coral reef | Least concern |
| 794 |  |  | Hemigymnus melapterus Bloch, 1791 | Marine, Mangrove, Coral reef | Least concern |
| 795 |  |  | Hemigrammus analis Durbin, 1909 | Marine, Mangrove, Coral reef | Least concern |
| 796 |  |  | Iniistius dea Temminck & Schlegel, 1845 | Marine, Mangrove, Coral reef | Least concern |
| 797 |  |  | Iniistius trivittatus Randall & Cornish, 2000 | Marine, Mangrove, Coral reef | Least concern |
| 798 |  |  | Iniistius verrens Jordan & Evermann, 1902 | Marine, Mangrove, Coral reef | Least concern |
| 799 |  |  | Labroides dimidiatus Valenciennes, 1839 | Marine, Mangrove, Coral reef | Least concern |
| 800 |  |  | Leptojuulus cyanopleura Bleeker, 1853 | Marine, Mangrove, Coral reef | Least concern |
| 801 |  |  | Macrophyrynodon meleagris Valenciennes, 1839 | Marine, Mangrove, Coral reef | Least concern |
| 802 |  |  | Macrophyrynodon ornatus Randall, 1978 | Marine, Mangrove, Coral reef | Least concern |
| 803 |  |  | Parajulis poecilepterus Temminck & Schlegel, 1845 | Marine, Mangrove, Coral reef | Least concern |
| 804 |  |  | Pseudechilinus evanidus Jordan & Evermann, 1903 | Marine, Mangrove, Coral reef | Least concern |
| 805 |  |  | Pseudechilinus hexataenia Bleeker, 1857 | Marine, Mangrove, Coral reef | Least concern |
| 806 |  |  | Pseudepapterus gracilis Ferraris & Vari, 2000 | Marine, Mangrove, Coral reef | Least concern |
| 807 |  |  | Stethojulis bandanensis Bleeker, 1851 | Marine, Mangrove, Coral reef | Least concern |
| 808 |  |  | Stethojulis interrupta Bleeker, 1851 | Marine, Mangrove, Coral reef | Least concern |

Table continued on next page.............
| No | Orders | Families | Latin name                          | Habitats                  | IUCN          |
|----|--------|----------|-------------------------------------|---------------------------|---------------|
| 809|        |          | *Stethojulis strigiventer* Bennett, 1833 | Marine, Mangrove, Coral reef | Least concern |
| 810|        |          | *Stethojulis terina* Jordan & Snyder, 1902 | Marine, Mangrove, Coral reef | Least concern |
| 811|        |          | *Stethojulis trilineata* Bloch & Schneider, 1801 | Marine, Mangrove, Coral reef | Least concern |
| 812|        |          | *Suezichthys gracilis* Steindachner & Döderlein, 1887 | Marine, Mangrove, Coral reef | Least concern |
| 813|        |          | *Thalassoma hardwicke* Bennett, 1830 | Marine, Mangrove, Coral reef | Least concern |
| 814|        |          | *Thalassoma lunare* Linnaeus, 1758 | Marine, Mangrove, Coral reef | Least concern |
| 815|        |          | *Thalassoma purpureum* Forsskål, 1775 | Marine, Mangrove, Coral reef | Least concern |
| 816|        |          | *Xiphocheilus typus* Bleeker, 1856 | Marine, Mangrove, Coral reef | Least concern |
| 817|        |          | *Iniistius pavo* Valenciennes, 1840 | Marine, Mangrove, Coral reef | Least concern |
| 818|        | Lactariidae | *Lactarius lactarius* Bloch & Schneider, 1801 | Marine, Mangrove, Coral reef | Not evaluated |
| 819|        | Lateolabracidae | *Lateolabrax japonicus* Cuvier, 1828 | Marine, Mangrove, Coral reef, Intertidal | Not evaluated |
| 820|        | Latidae | *Lates calcarifer* Bloch, 1790 | Marine, Mangrove, Coral reef | Least concern |
| 821|        |          | *Psamnopectra waigiensis* Cuvier, 1828 | Marine, Mangrove, Coral reef | Not evaluated |
| 822|        | Latimeriidae | *Latimeria chalumnae* Smith, 1939 | Marine | Critically endangered |
| 823|        | Leiognathiidae | *Equulites elongatus* Günther, 1874 | Marine, Mangrove, Coral reef | Not evaluated |
| 824|        |          | *Equulites lineolatus* Valenciennes, 1835 | Marine, Mangrove, Coral reef | Not evaluated |
| 825|        |          | *Equulites oblongus* Valenciennes, 1835 | Marine | Not evaluated |
| 826|        |          | *Equulites rivulatus* Temminck & Schlegel, 1845 | Marine, Mangrove, Coral reef, Intertidal | Not evaluated |
| 827|        |          | *Eubleekeria jonesi* James, 1971 | Marine | Not evaluated |
| 828|        |          | *Eubleekeria splendidus* Cuvier, 1829 | Marine, Mangrove, Coral reef | Least concern |
| 829|        |          | *Gazza minuta* Bloch, 1795 | Marine, Mangrove, Coral reef | Least concern |
| 830|        |          | *Karalla daura* Cuvier, 1829 | Marine, Mangrove, Coral reef | Not evaluated |
| 831|        |          | *Karalla dussumieri* Valenciennes, 1835 | Marine, Mangrove, Coral reef | Not evaluated |
| 832|        |          | *Aurigequula fasciata* Lacepède, 1803 | Marine | Least concern |
| 833|        |          | *Leiognathus berbis* Valenciennes, 1835 | Marine, Mangrove, Coral reef | Not evaluated |
| 834|        |          | *Leiognathus breviostris* Valenciennes, 1835 | Marine, Mangrove, Coral reef, Intertidal | Not evaluated |

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| No | Orders | Families | Latin name | Habitats | IUCN |
|----|--------|----------|------------|----------|------|
| 835 |         | Leiognathus | equula Forsskål, 1775 | Marine, Mangrove, Coral reef, Intertidal | Least concern |
| 836 |         | Nuchequa | nuchalis Temminck & Schlegel, 1845 | Marine, Mangrove, Coral reef | Not evaluated |
| 837 |         | Photolateralis | stercorarius Evermann & Seale, 1907 | Marine | Not evaluated |
| 838 |         | Photopectoralis | bindus Valenciennes, 1835* | Marine, Mangrove, Coral reef | Not evaluated |
| 839 |         | Nuchequa | gerreoides Bleeker, 1851 | Marine | Not evaluated |
| 840 |         | Nuchequa | longicornis Kimura, Kimura & Ikejima, 2008 | Marine | Not evaluated |
| 841 |         | Nuchequa | mannusella Chakrabarty & Sparks, 2007 | Marine | Not evaluated |
| 842 |         | Deveximentum | indicium Monkolprasit, 1973 | Marine | Not evaluated |
| 843 |         | Deveximentum | insidiator Bloch, 1787 | Marine | Not evaluated |
| 844 |         | Deveximentum | interruptum Valenciennes, 1835 | Marine | Not evaluated |
| 845 |         | Deveximentum | megalolepis Mochizuki & Hayashi, 1989 | Marine | Not evaluated |
| 846 |         | Leiognathus | ruconius Hamilton, 1822 | Marine, Mangrove, Coral reef, Intertidal | Not evaluated |
| 847 | Lethrinidae | Gymnocranius | griseus Temminck & Schlegel, 1843 | Marine, Mangrove, Coral reef | Least concern |
| 848 |         | Lethrinus | atkinsoni Seale, 1910 | Marine, Mangrove, Coral reef | Least concern |
| 849 |         | Lethrinus | erythropyerus Valenciennes, 1830 | Marine, Mangrove, Coral reef | Least concern |
| 850 |         | Lethrinus | genivittatus Valenciennes, 1830 | Marine, Mangrove, Coral reef | Least concern |
| 851 |         | Lethrinus | haematopterus Temminck & Schlegel, 1844 | Marine, Mangrove, Coral reef | Not evaluated |
| 852 |         | Lethrinus | harak Forsskål, 1775 | Marine, Mangrove, Coral reef | Least concern |
| 853 |         | Lethrinus | lentjan Lacepède, 1802 | Marine, Mangrove, Coral reef | Least concern |
| 854 |         | Lethrinus | miniatus Forster, 1801 | Marine, Mangrove, Coral reef | Least concern |
| 855 |         | Lethrinus | nebulosus Forsskål, 1775 | Marine, Mangrove, Coral reef | Least concern |
| 856 |         | Lethrinus | olivaceus Valenciennes, 1830 | Marine, Mangrove, Coral reef | Least concern |
| 857 |         | Lethrinus | ornatus Valenciennes, 1830 | Marine, Mangrove, Coral reef | Least concern |
| 858 |         | Lethrinus | semicinctus Valenciennes, 1830 | Marine, Mangrove, Coral reef | Least concern |
| 859 |         | Lethrinus | variegatus Valenciennes, 1830 | Marine, Mangrove, Coral reef | Least concern |
| 860 |         | Lethrinus | xanthochilus Klunzinger, 1870 | Marine, Mangrove, Coral reef | Least concern |

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| No | Orders         | Families        | Latin name                       | Habitats                  | IUCN     |
|----|----------------|-----------------|----------------------------------|---------------------------|----------|
| 861| Lobotidae      | Lobotes         | surinamensis Bloch, 1790          | Marine, Mangrove, Coral reef | Least concern |
| 862| Lutjanidae     | Lutjanus        | argentinaculatus Forsskål, 1775  | Marine, Mangrove, Coral reef | Least concern |
| 863|                | Lutjanus        | carponotatus Richardson, 1842    | Marine                     | Least concern |
| 864|                | Lutjanus        | decussatus Cuvier, 1828          | Marine, Mangrove, Coral reef | Least concern |
| 865|                | Lutjanus        | ehrenbergii Peters, 1869         | Marine, Mangrove, Coral reef | Least concern |
| 866|                | Lutjanus        | erythropterus Bloch, 1790        | Marine, Mangrove, Coral reef | Least concern |
| 867|                | Lutjanus        | fulviﬂamma Forsskål, 1775       | Marine, Mangrove, Coral reef | Least concern |
| 868|                | Lutjanus        | fulva Forster, 1801              | Marine, Mangrove, Coral reef | Least concern |
| 869|                | Lutjanus        | gibbus Forsskål, 1775            | Marine                     | Least concern |
| 870|                | Lutjanus        | johnii Bloch, 1792               | Marine, Mangrove, Coral reef | Least concern |
| 871|                | Lutjanus        | kasmira Forsskål, 1775           | Marine, Mangrove, Coral reef | Least concern |
| 872|                | Lutjanus        | lemniscatus Valenciennes, 1828   | Marine                     | Least concern |
| 873|                | Lutjanus        | lutjanus Bloch, 1790             | Marine, Mangrove, Coral reef | Least concern |
| 874|                | Lutjanus        | malabaricus Bloch & Schneider, 1801 | Marine, Mangrove, Coral reef | Least concern |
| 875|                | Lutjanus        | monostigma Cuvier, 1828          | Marine, Mangrove, Coral reef | Least concern |
| 876|                | Lutjanus        | quinquelineatus Bloch, 1790      | Marine, Mangrove, Coral reef | Least concern |
| 877|                | Lutjanus        | rivulatus Cuvier, 1828           | Marine                     | Least concern |
| 878|                | Lutjanus        | russellii Bleeker, 1849          | Marine, Mangrove, Coral reef | Least concern |
| 879|                | Lutjanus        | sebae Cuvier, 1816               | Marine, Mangrove, Coral reef | Least concern |
| 880|                | Lutjanus        | stellatus Akazaki, 1983          | Marine                     | Not evaluated |
| 881|                | Lutjanus        | timoriensis Quoy & Gaimard, 1824 | Marine, Mangrove, Coral reef | Least concern |
| 882|                | Lutjanus        | vitta Quoy & Gaimard, 1824       | Marine, Mangrove, Coral reef | Least concern |
| 883| Malacanthidae  | Macolor         | niger Forsskål, 1775             | Marine, Mangrove, Coral reef | Least concern |
| 884|                | Pristipomoides  | typus Bleeker, 1852              | Marine                     | Least concern |
| 885|                | Pristipomoides  | filamentoss Valenciennes, 1830   | Marine                     | Least concern |
| 886|                | Symphorichthys  | spilurus Günther, 1874           | Marine                     | Least concern |
| 887|                | Branchiostegus  | albus Dooley, 1978               | Marine                     | Not evaluated |
| 888|                | Branchiostegus  | argentatus Cuvier, 1830          | Marine                     | Not evaluated |

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| No  | Orders     | Families      | Latin name                                      | Habitats                  | IUCN         |
|-----|------------|---------------|------------------------------------------------|---------------------------|--------------|
| 889 |            | Branchiostegidae | *Branchiostegus auratus* Kishinouye, 1907       | Marine                    | Not evaluated|
| 890 |            | Branchiostegidae | *Branchiostegus japonicus* Houttuyn, 1782       | Marine, Mangrove, Coral reef | Least concern|
| 891 | Menidae    | *Mene maculata* Bloch & Schneider, 1801 | Marine, Mangrove, Coral reef | Not evaluated |
| 892 | Monodactylidae | *Monodactylus argenteus* Linnaeus, 1758       | Marine, Mangrove, Coral reef | Least concern |
| 893 | Mullidae   | *Mulloidichthys vanicolensis* Valenciennes, 1831 | Marine, Mangrove, Coral reef | Least concern |
| 894 |            | *Parupeneus chrysopleuron* Temminck & Schlegel, 1843 | Marine                     | Not evaluated |
| 895 |            | *Parupeneus ciliatus* Lacepède, 1802 | Marine, Mangrove, Coral reef | Least concern |
| 896 |            | *Parupeneus cyclostomus* Lacepède, 1801 | Marine                      | Least concern |
| 897 |            | *Parupeneus forsskali* Fourmanoir & Guézé, 1976 | Marine, Mangrove, Coral reef | Least concern |
| 898 |            | *Parupeneus heptacanthus* Lacepède, 1802 | Marine, Mangrove, Coral reef | Least concern |
| 899 |            | *Parupeneus indicus* Shaw, 1803 | Marine, Mangrove, Coral reef | Least concern |
| 900 |            | *Parupeneus multifasciatus* Quoy & Gaimard, 1825 | Marine, Mangrove, Coral reef | Least concern |
| 901 |            | *Parupeneus trifasciatus* Lacepède, 1801 | Marine, Mangrove, Coral reef | Least concern |
| 902 |            | *Upeneus asymmetricus* Lachner, 1954 | Marine, Mangrove, Coral reef | Not evaluated |
| 903 |            | *Upeneus francisi* Randall & Guézé, 1992 | Marine                      | Least concern |
| 904 |            | *Upeneus guttatus* Day, 1868 | Marine                      | Least concern |
| 905 |            | *Upeneus japonicus* Houttuyn, 1782 | Marine, Mangrove, Coral reef | Not evaluated |
| 906 |            | *Upeneus luzonius* Jordan & Seale, 1907 | Marine, Mangrove, Coral reef | Not evaluated |
| 907 |            | *Upeneus moluccensis* Bleeker, 1855 | Marine, Mangrove, Coral reef | Least concern |
| 908 |            | *Upeneus subvittatus* Temminck & Schlegel, 1843 | Marine, Mangrove, Coral reef | Not evaluated |
| 909 |            | *Upeneus sulphureus* Cuvier, 1829 | Marine, Mangrove, Coral reef | Least concern |
| 910 |            | *Upeneus tragula* Richardson, 1846 | Marine, Mangrove, Coral reef | Least concern |
| 911 | Nemipteridae | *Nemipterus aurora* Russell, 1993 | Marine                     | Not evaluated |
| 912 |            | *Nemipterus bathybias* Snyder, 1911 | Marine                      | Not evaluated |
| 913 |            | *Nemipterus furcosus* Valenciennes, 1830 | Marine                      | Least concern |
| 914 |            | *Nemipterus hexodon* Quoy & Gaimard, 1824 | Marine                      | Least concern |
| 915 |            | *Nemipterus japonicus* Bloch, 1791 | Marine, Mangrove, Coral reef | Least concern |
| 916 |            | *Nemipterus marginatus* Valenciennes, 1830 | Marine                      | Least concern |

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| No | Orders | Families | Latin name | Habitats | IUCN |
|----|--------|----------|------------|----------|------|
| 917 | | | Nemipterus nemurus Bleeker, 1857 | Marine | Least concern |
| 918 | | | Nemipterus peronii Valenciennes, 1830 | Marine, Mangrove, Coral reef | Least concern |
| 919 | | | Nemipterus thosaporni Russell, 1991 | Marine | Not evaluated |
| 920 | | | Nemipterus virgatus Houttuyn, 1782 | Marine, Mangrove, Coral reef | Vulnerable |
| 921 | | | Nemipterus zysron Bleeker, 1856 | Marine | Least concern |
| 922 | | | Parascoplosis inermis Temminck & Schlegel, 1843 | Marine | Least concern |
| 923 | | | Pentapodus emeryii Richardson, 1843 | Marine, Mangrove, Coral reef | Least concern |
| 924 | | | Pentapodus setosus Valenciennes, 1830 | Marine, Mangrove, Coral reef | Not evaluated |
| 925 | | | Pentapodus vitta Quoy & Gaimard, 1824 | Marine, Mangrove, Coral reef | Not evaluated |
| 926 | | | Scolopsis affinis Peters, 1877 | Marine, Mangrove, Coral reef | Least concern |
| 927 | | | Scolopsis bilineata Bloch, 1793 | Marine, Mangrove, Coral reef | Least concern |
| 928 | | | Scolopsis bimaculata Rüppell, 1828 | Marine, Mangrove, Coral reef | Least concern |
| 929 | | | Scolopsis ciliata Lacepède, 1802 | Marine, Mangrove, Coral reef | Least concern |
| 930 | | | Scolopsis lineata Quoy & Gaimard, 1824 | Marine, Mangrove, Coral reef | Least concern |
| 931 | | | Scolopsis monogramma Cuvier, 1830 | Marine, Mangrove, Coral reef | Least concern |
| 932 | | | Scolopsis taeniptera Cuvier, 1830 | Marine, Mangrove, Coral reef | Least concern |
| 933 | | | Scolopsis trilineata Kner, 1868 | Marine, Mangrove, Coral reef | Least concern |
| 934 | | | Scolopsis vosmeri Bloch, 1792 | Marine, Mangrove, Coral reef | Least concern |
| 935 | Nomeidae | Cubiceps whiteleggii Waite, 1894 | Marine | Not evaluated |
| 936 | Nomeidae | Ariomma indica Day, 1871 | Marine | Not evaluated |
| 937 | Opistognathiidae | Opistognathus macrolepis Peters, 1866 | Marine | Not evaluated |
| 938 | Oplegnathiidae | Oplegnathus punctatus Temminck & Schlegel, 1844 | Marine, Mangrove, Coral reef | Not evaluated |
| 939 | Pempheridae | Pempheris analis Waite, 1910 | Marine, Mangrove, Coral reef | Not evaluated |
| 940 | Pempheridae | Pempheris molucca Cuvier, 1829 | Marine, Mangrove, Coral reef | Not evaluated |
| 941 | Pempheridae | Pempheris nyctereutes Jordan & Evermann, 1902 | Marine | Not evaluated |
| 942 | Pempheridae | Pempheris oualensis Cuvier, 1831 | Marine, Mangrove, Coral reef | Not evaluated |
| 943 | Pempheridae | Pempheris schwenkii Bleeker, 1855 | Marine, Mangrove, Coral reef | Not evaluated |

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| No | Orders | Families | Latin name | Habitats | IUCN    |
|----|--------|----------|------------|----------|---------|
| 944|        | Pempheris | vanicolensis Cuvier, 1831 | Marine, Mangrove, Coral reef | Not evaluated |
| 945|        | Pentacerotidae | Histiopterus typus Temminck & Schlegel, 1844 | Marine | Not evaluated |
| 946|        | Pinguipedidae | Parapercis albovittata Günther, 1872 | Marine | Not evaluated |
| 947|        |          | Parapercis clathrata Ogilby, 1910 | Marine, Mangrove, Coral reef | Not evaluated |
| 948|        |          | Parapercis cylindrica Bloch, 1792 | Marine, Mangrove, Coral reef | Not evaluated |
| 949|        |          | Parapercis filamentosa Steindachner, 1878 | Marine | Not evaluated |
| 950|        |          | Parapercis hexoptalma Cuvier, 1829 | Marine, Mangrove, Coral reef | Not evaluated |
| 951|        |          | Parapercis luteovittata Liao, Cheng & Shao, 2011 | Marine | Not evaluated |
| 952|        |          | Parapercis millepunctata Günther, 1860 | Marine, Mangrove, Coral reef | Not evaluated |
| 953|        |          | Parapercis multiplicata Randall, 1984 | Marine, Mangrove, Coral reef | Not evaluated |
| 954|        |          | Parapercis nebulosa Quoy & Gaimard, 1825 | Marine, Mangrove, Coral reef | Not evaluated |
| 955|        |          | Parapercis ommatura Jordan & Snyder, 1902 | Marine, Mangrove, Coral reef | Not evaluated |
| 956|        |          | Parapercis pulchella Temminck & Schlegel, 1843 | Marine | Not evaluated |
| 957|        |          | Parapercis punctata Cuvier, 1829 | Marine | Not evaluated |
| 958|        |          | Parapercis sexfasciata Temminck & Schlegel, 1843 | Marine | Not evaluated |
| 959|        |          | Parapercis xanthozona Bleeker, 1849 | Marine, Mangrove, Coral reef | Least concern |
| 960|        | Platacidae | Platax orbicularis Forsskål, 1775 | Marine, Mangrove, Coral reef | Least concern |
| 961|        |          | Platax pinnatus Linnaeus, 1758 | Marine | Not evaluated |
| 962|        |          | Platax teira Forsskål, 1775 | Marine, Mangrove, Coral reef | Least concern |
| 963|        | Plesiopidae | Plesiops coeruleolineatus Rüppell, 1835 | Marine, Mangrove, Coral reef | Least concern |
| 964|        |          | Plesiops virens Mooi, 1995 | Marine, Mangrove, Coral reef | Not evaluated |
| 965|        | Polynemidae | Eleutheronema rhadinum Jordan & Evermann, 1902 | Marine | Not evaluated |
| 966|        |          | Eleutheronema tetradytum Shaw, 1804 | Marine, Mangrove, Coral reef | Not evaluated |
| 967|        |          | Polydactylus sextarius Bloch & Schneider, 1801 | Marine, Mangrove, Coral reef | Not evaluated |
| 968|        | Pomacanthidae | Apolemichthys trimaculatus Cuvier, 1831 | Marine, Mangrove, Coral reef | Least concern |
| 969|        |          | Centropyge bicolor Bloch, 1787 | Marine, Mangrove, Coral reef | Least concern |
| 970|        |          | Centropyge bispinosa Günther, 1860 | Marine, Mangrove, Coral reef | Least concern |

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| No | Orders | Families | Latin name | Habitats | IUCN       |
|----|--------|----------|------------|----------|------------|
| 971|        |          | Centropyge loriculus Günther, 1874 | Marine, Mangrove, Coral reef | Least concern |
| 972|        |          | Centropyge tibicen Cuvier, 1831 | Marine, Mangrove, Coral reef | Least concern |
| 973|        |          | Centropyge vrolikii Bleeker, 1853 | Marine, Mangrove, Coral reef | Least concern |
| 974|        |          | Chaetodontoplus septentrionalis Temminck & Schlegel, 1844 | Marine, Mangrove, Coral reef | Least concern |
| 975|        |          | Pomacanthus imperator Bloch, 1787 | Marine, Mangrove, Coral reef | Least concern |
| 976|        |          | Pomacanthus navarchus Cuvier, 1831 | Marine, Mangrove, Coral reef | Least concern |
| 977|        |          | Pomacanthus semicirculatus Cuvier, 1831 | Marine, Mangrove, Coral reef | Least concern |
| 978|        |          | Pomacanthus sexstriatus Cuvier, 1831 | Marine, Mangrove, Coral reef | Least concern |
| 979|        |          | Pomacanthus xanthometopon Bleeker, 1853 | Marine, Mangrove, Coral reef | Least concern |
| 980|        | Pomacentridae | Abudefdaf bengalensis Bloch, 1787 | Marine, Mangrove, Coral reef | Least concern |
| 981|        |          | Abudefdaf notatus Day, 1870 | Marine, Mangrove, Coral reef | Least concern |
| 982|        |          | Abudefdaf septemfasciatus Cuvier, 1830 | Marine, Mangrove, Coral reef | Least concern |
| 983|        |          | Abudefdaf sexfasciatus Lacepède, 1801 | Marine, Mangrove, Coral reef | Least concern |
| 984|        |          | Abudefdaf nordius Forsskål, 1775 | Marine, Mangrove, Coral reef | Least concern |
| 985|        |          | Abudefdaf vaigiensis Quoy & Gaimard, 1825 | Marine, Mangrove, Coral reef | Least concern |
| 986|        |          | Amblyglyphidodon curacao Bloch, 1787 | Marine, Mangrove, Coral reef | Least concern |
| 987|        |          | Amphiprion akindynos Allen, 1972 | Marine, Mangrove, Coral reef | Least concern |
| 988|        |          | Amphiprion bicinctus Rüppell, 1830 | Marine, Mangrove, Coral reef | Least concern |
| 989|        |          | Amphiprion clarkii Bennett, 1830 | Marine, Mangrove, Coral reef | Not evaluated |
| 990|        |          | Amphiprion frenatus Brevoort, 1856 | Marine, Mangrove, Coral reef | Least concern |
| 991|        |          | Amphiprion ocellaris Cuvier, 1830 | Marine, Mangrove, Coral reef | Not evaluated |
| 992|        |          | Amphiprion polynus Linnaeus, 1758 | Marine, Mangrove, Coral reef | Least concern |
| 993|        |          | Amphiprion tricinctus Schultz & Welander, 1953 | Marine, Mangrove, Coral reef | Least concern |
| 994|        |          | Chromis atripectoralis Welander & Schultz, 1951 | Marine, Mangrove, Coral reef | Not evaluated |

*Table continued on next page.............*
| No | Orders | Families | Latin name | Habitats | IUCN       |
|----|--------|----------|------------|----------|------------|
| 995|        |          | Chromis atripes Fowler & Bean, 1928 | Marine, Mangrove, Coral reef | Least concern |
| 996|        |          | Chromis caudalis Randall, 1988 | Marine, Mangrove, Coral reef | Least concern |
| 997|        |          | Chromis cinerascens Cuvier, 1830 | Marine, Mangrove, Coral reef | Least concern |
| 998|        |          | Chromis fumea Tanaka, 1917 | Marine, Mangrove, Coral reef | Least concern |
| 999|        |          | Chromis iomelas Jordan & Seale, 1906 | Marine, Mangrove, Coral reef | Not evaluated |
| 1000|       |          | Chromis lepidolepis Bleeker, 1877 | Marine, Mangrove, Coral reef | Not evaluated |
| 1001|       |          | Chromis margaritifera Fowler, 1946 | Marine, Mangrove, Coral reef | Not evaluated |
| 1002|       |          | Chromis notata Temminck & Schlegel, 1843 | Marine, Mangrove, Coral reef | Not evaluated |
| 1003|       |          | Chromis ternatensis Bleeker, 1856 | Marine, Mangrove, Coral reef | Not evaluated |
| 1004|       |          | Chromis viridis Cuvier, 1830 | Marine, Mangrove, Coral reef | Not evaluated |
| 1005|       |          | Chromis weberi Fowler & Bean, 1928 | Marine, Mangrove, Coral reef | Not evaluated |
| 1006|       |          | Chromis xanthera Bleeker, 1854 | Marine, Mangrove, Coral reef | Not evaluated |
| 1007|       |          | Chrysiptera cyanea Quoy & Gaimard, 1825 | Marine, Mangrove, Coral reef | Not evaluated |
| 1008|       |          | Chrysiptera flavispinis Allen & Robertson, 1974 | Marine, Mangrove, Coral reef | Least concern |
| 1009|       |          | Chrysiptera parasema Fowler, 1918 | Marine, Mangrove, Coral reef | Not evaluated |
| 1010|       |          | Chrysiptera traceyi Woods & Schultz, 1960 | Marine, Mangrove, Coral reef | Not evaluated |
| 1011|       |          | Dascyllus aruanus Linnaeus, 1758 | Marine, Mangrove, Coral reef | Not evaluated |
| 1012|       |          | Dascyllus marginatus Rüppell, 1829 | Marine, Mangrove, Coral reef | Not evaluated |
| 1013|       |          | Dascyllus melanurus Bleeker, 1854 | Marine, Mangrove, Coral reef | Not evaluated |
| 1014|       |          | Dascyllus reticulatus Richardson, 1846 | Marine, Mangrove, Coral reef | Not evaluated |
| 1015|       |          | Dascyllus trimaculatus Rüppell, 1829 | Marine, Mangrove, Coral reef | Not evaluated |
| 1016|       |          | Dischistodus chrysopoecilus Schlegel & Müller, 1839 | Marine, Mangrove, Coral reef | Not evaluated |
| 1017|       |          | Dischistodus fasciatus Cuvier, 1830 | Marine, Mangrove, Coral reef | Not evaluated |
| 1018|       |          | Dischistodus melanotus Bleeker, 1858 | Marine, Mangrove, Coral reef | Not evaluated |

Table continued on next page.............
| No  | Orders | Families | Latin name                          | Habitats             | IUCN          |
|-----|--------|----------|-------------------------------------|----------------------|---------------|
| 1019|        |          | Dischistodus prosopotaenia Bleeker, 1852 | Marine, Mangrove, Coral reef | Not evaluated |
| 1020|        |          | Hemiglyphidodon plagioemetopon Bleeker, 1852 | Marine, Mangrove, Coral reef | Not evaluated |
| 1021|        |          | Neoglyphidodon melas Cuvier, 1830       | Marine, Mangrove, Coral reef | Not evaluated |
| 1022|        |          | Neoglyphidodon nigroris Cuvier, 1830    | Marine, Mangrove, Coral reef | Not evaluated |
| 1023|        |          | Neopomacentrus azysron Bleeker, 1877    | Marine, Mangrove, Coral reef | Not evaluated |
| 1024|        |          | Neopomacentrus bankieri Richardson, 1846 | Marine, Mangrove, Coral reef | Least concern |
| 1025|        |          | Neopomacentrus cyanomos Bleeker, 1856   | Marine, Mangrove, Coral reef | Not evaluated |
| 1026|        |          | Neopomacentrus filamentosus Macleay, 1882| Marine, Mangrove, Coral reef | Not evaluated |
| 1027|        |          | Neopomacentrus taeniurus Bleeker, 1856  | Marine, Mangrove, Coral reef | Data deficient |
| 1028|        |          | Parma oligolepis Whitley, 1929          | Marine, Mangrove, Coral reef | Not evaluated |
| 1029|        |          | Electroglyphidodon dickii Liénard, 1839 | Marine, Mangrove, Coral reef | Not evaluated |
| 1030|        |          | Electroglyphidodon laevisus Quoy & Gaimard, 1825 | Marine, Mangrove, Coral reef | Not evaluated |
| 1031|        |          | Acanthochromis polyacanthus Bleeker, 1855 | Marine, Mangrove, Coral reef | Least concern |
| 1032|        |          | Pomacentrus annularis Bloch, 1787       | Marine, Mangrove, Coral reef | Least concern |
| 1033|        |          | Pomacentrus amboinensis Bleeker, 1868   | Marine, Mangrove, Coral reef | Not evaluated |
| 1034|        |          | Pomacentrus bankanensis Bleeker, 1854   | Marine, Mangrove, Coral reef | Not evaluated |
| 1035|        |          | Pomacentrus chrysuras Cuvier, 1830      | Marine, Mangrove, Coral reef | Not evaluated |
| 1036|        |          | Pomacentrus coelestis Jordan & Starks, 1901 | Marine, Mangrove, Coral reef | Not evaluated |
| 1037|        |          | Pomacentrus moluccensis Bleeker, 1853   | Marine, Mangrove, Coral reef | Not evaluated |
| 1038|        |          | Pomacentrus pavo Bloch, 1787            | Marine, Mangrove, Coral reef | Not evaluated |
| 1039|        |          | Pomacentrus simsiang Bleeker, 1856      | Marine, Mangrove, Coral reef | Not evaluated |
| 1040|        |          | Pomacentrus tripunctatus Cuvier, 1830   | Marine, Mangrove, Coral reef | Not evaluated |
| 1041|        |          | Pomacentrus wardi Whitley, 1927         | Marine, Mangrove, Coral reef | Least concern |
| 1042|        |          | Pomachromis richardsoni Snyder, 1909    | Marine, Mangrove, Coral reef | Not evaluated |
| No  | Orders     | Families          | Latin name                      | Habitats                  | IUCN          |
|-----|------------|-------------------|---------------------------------|---------------------------|---------------|
| 1043|            |                   | *Pristotis obtusirostris* Günther, 1862 | Marine, Mangrove, Coral reef | Not evaluated |
| 1044|            |                   | *Stegastes albifasciatus* Schlegel & Müller, 1839 | Marine, Mangrove, Coral reef | Not evaluated |
| 1045|            |                   | *Stegastes alius* Okada & Ikeda, 1937 | Marine, Mangrove, Coral reef | Not evaluated |
| 1046|            |                   | *Stegastes fasciolatus* Ogilby, 1889 | Marine, Mangrove, Coral reef | Not evaluated |
| 1047|            |                   | *Stegastes nigricans* Lacepède, 1802 | Marine, Mangrove, Coral reef | Not evaluated |
| 1048|            |                   | *Stegastes obreptus* Whitley, 1948 | Marine, Mangrove, Coral reef | Not evaluated |
| 1049|            |                   | *Teixeirichthys jordani* Rutter, 1897 | Marine, Mangrove, Coral reef | Least concern |
| 1050| Priacanthidae | *Cookeolus japonicus* Cuvier, 1829 | Marine | Least concern |
| 1051|            |                   | *Heteropriacanthus cruentatus* Lacepède, 1801 | Marine | Least concern |
| 1052|            |                   | *Priacanthus blochii* Bleeker, 1853 | Marine | Least concern |
| 1053|            |                   | *Priacanthus hamrur* Forsskål, 1775 | Marine, Mangrove, Coral reef | Least concern |
| 1054|            |                   | *Priacanthus macracanthus* Cuvier, 1829 | Marine, Mangrove, Coral reef | Least concern |
| 1055|            |                   | *Priacanthus sagittarius* Starnes, 1888 | Marine | Least concern |
| 1056|            |                   | *Priacanthus tayenus* Richardson, 1846 | Marine, Mangrove, Coral reef | Least concern |
| 1057|            |                   | *Pristigenys niphonia* Cuvier, 1829 | Marine | Least concern |
| 1058| Pseudochromidae | *Labracinus cyclophthalmus* Müller & Troschel, 1849 | Marine, Mangrove, Coral reef | Not evaluated |
| 1059|            |                   | *Pseudochromis cyanotaenia* Bleeker, 1857 | Marine, Mangrove, Coral reef | Least concern |
| 1060|            |                   | *Pseudochromis fuscus* Müller & Troschel, 1849 | Marine, Mangrove, Coral reef | Least concern |
| 1061| Ptereleotridae | *Parioglossus dotui* Tomiyama, 1958 | Marine, Mangrove, Coral reef | Not evaluated |
| 1062| Ptereleotridae | *Nemateleotris decora* Randall & Allen, 1973 | Marine | Least concern |
| 1063|            |                   | *Nemateleotris magnifica* Fowler, 1938 | Marine, Mangrove, Coral reef | Least concern |
| 1064| Ptereleotridae | *Ptereleotris eides* Jordan & Hubbs, 1925 | Marine, Mangrove, Coral reef | Least concern |
| 1065| Ptereleotridae | *Ptereleotris hanae* Jordan & Snyder, 1901 | Marine, Mangrove, Coral reef | Least concern |
| 1066| Rachycentridae | *Rachycentron canadum* Linnaeus, 1766 | Marine, Mangrove, Coral reef | Least concern |
| 1067| Scaridae | *Cetoscarus bicolor* Rüppell, 1829 | Marine, Mangrove, Coral reef | Least concern |
| 1068| Scaridae | *Chlorurus bleekeri* de Beaufort, 1940 | Marine, Mangrove, Coral reef | Least concern |
| 1069| Scaridae | *Chlorurus bowersi* Snyder, 1909 | Marine, Mangrove, Coral reef | Near threatened |
| No | Orders | Families | Latin name | Habitats | IUCN         |
|----|--------|----------|------------|----------|--------------|
| 1070 | Chlorurus | sordidus | Forsskål, 1775 | Marine, Mangrove, Coral reef | Least concern |
| 1071 | Hipposcarus | longiceps | Valenciennes, 1840 | Marine, Mangrove, Coral reef | Least concern |
| 1072 | Chlorurus | microrhinos | Bleeker, 1854 | Marine, Mangrove, Coral reef | Least concern |
| 1073 | Scarus | dimidiatus | Bleeker, 1859 | Marine, Mangrove, Coral reef | Least concern |
| 1074 | Scarus | dubius | Bennett, 1828 | Marine, Mangrove, Coral reef | Least concern |
| 1075 | Scarus | flaviopectoralis | Schultz, 1958 | Marine, Mangrove, Coral reef | Least concern |
| 1076 | Scarus | forsteni | Bleeker, 1861 | Marine, Mangrove, Coral reef | Least concern |
| 1077 | Scarus | ghobban | Forsskål, 1775 | Marine, Mangrove, Coral reef | Least concern |
| 1078 | Scarus | globiceps | Valenciennes, 1840 | Marine, Mangrove, Coral reef | Least concern |
| 1079 | Scarus | oviceps | Valenciennes, 1840 | Marine, Mangrove, Coral reef | Least concern |
| 1080 | Scarus | ovifrons | Temminck & Schlegel, 1846 | Marine, Mangrove, Coral reef | Data deficient |
| 1081 | Scarus | rivulatus | Valenciennes, 1840 | Marine, Mangrove, Coral reef | Least concern |
| 1082 | Scarus | schlegeli | Bleeker, 1861 | Marine, Mangrove, Coral reef | Least concern |
| 1083 | Scarus | spinus | Kner, 1868 | Marine, Mangrove, Coral reef | Least concern |
| 1084 | Scatophagi- | dae | Scatophagus argus | Linnaeus, 1766* | Marine, Mangrove, Coral reef | Least concern |
| 1085 | Schindleri- | dae | Schindleria praematura | Schindler, 1930 | Marine | Least concern |
| 1086 | Sciaenidae | Argyrosomus | japonicus | Temminck & Schlegel, 1843 | Marine | Endangered |
| 1087 | Atrobuca | nibe | Jordan & Thompson, 1911 | Marine | Least concern |
| 1088 | Bahaba | taipingensis | Herre, 1932 | Marine | Critically endangered |
| 1089 | Boesemania | microlepis | Bleeker, 1858 | Marine | Data deficient |
| 1090 | Chrysochir | aureus | Richardson, 1846 | Marine | Least concern |
| 1091 | Collichthys | lucidus | Richardson, 1844 | Marine, Mangrove, Coral reef | Least concern |
| 1092 | Dendrophysa | russelii | Cuvier, 1829 | Marine, Mangrove, Coral reef | Least concern |
| 1093 | Johnius | amblycephalus | Bleeker, 1855 | Marine | Least concern |
| 1094 | Johnius | belangerii | Cuvier, 1830 | Marine, Mangrove, Coral reef, Intertidal | Least concern |
| 1095 | Johnius | borneensis | Bleeker, 1851 | Marine | Least concern |
| 1096 | Johnius | carouna | Cuvier, 1830 | Marine | Least concern |
| 1097 | Johnius | distinctus | Tanaka, 1916 | Marine | Least concern |

Table continued on next page.............
| No | Orders | Families | Latin name | Habits | IUCN          |
|----|--------|----------|------------|--------|---------------|
| 1098 | Johnius | Cuvier, 1830 | dussumieri | Marine, Mangrove, Coral reef | Least concern |
| 1099 | Johnius | Chu, Lo & Wu, 1963 | fasciatus | Marine | Not evaluated |
| 1100 | Johnius | Richardson, 1846 | grypotus | Marine | Least concern |
| 1101 | Johnius | Sasaki, 1992 | trewavasae | Marine | Least concern |
| 1102 | Larimichthys | Richardson, 1846* | crocea | Marine, Mangrove, Coral reef | Critically endangered |
| 1103 | Larimichthys | Bleeker, 1877 | polyactis | Marine, Mangrove, Coral reef | Least concern |
| 1104 | Macrospinoa | Hamilton, 1822 | cuja | Marine | Data deficient |
| 1105 | Miichthys | Basilewsky, 1855* | miisiy | Marine | Data deficient |
| 1106 | Nibea | Richardson, 1846* | albiflora | Marine, Mangrove, Coral reef | Least concern |
| 1107 | Nibea | Trewavas, 1971 | chui | Marine, Mangrove, Coral reef | Data deficient |
| 1108 | Nibea | Chu, Lo & Wu, 1963 | semifasciata | Marine, Mangrove, Coral reef | Data deficient |
| 1109 | Nibea | Lacepède, 1802 | soldado | Marine | Least concern |
| 1110 | Otolithes | Bloch & Schneider, 1801 | ruber | Marine, Mangrove, Coral reef, Intertidal | Least concern |
| 1111 | Pennahia | Bloch, 1793 | anea | Marine, Mangrove, Coral reef | Least concern |
| 1112 | Pennahia | Houttuyn, 1782 | argentata | Marine, Mangrove, Coral reef | Least concern |
| 1113 | Pennahia | Tang, 1937 | macrocephalus | Marine, Intertidal | Least concern |
| 1114 | Pennahia | Lin, 1940 | pawak | Marine | Least concern |
| 1115 | Protofusea | Lacepède, 1802 | alacanthus | Marine, Mangrove, Coral reef | Near threatened |
| 1116 | Sciaenops | Limnaeus, 1766 | ocellatus | Marine, Mangrove, Coral reef | Least concern |
| 1117 | Scomberidae | Cuvier, 1832 | Acanthocybium solandri | Marine | Least concern |
| 1118 | Auxis | Risso, 1810 | rochei | Marine | Least concern |
| 1119 | Auxis | Lacepède, 1800 | thazard | Marine | Least concern |
| 1120 | Euthynus | Cantor, 1849 | affinis | Marine | Least concern |
| 1121 | Katsuwonus | Limnaeus, 1758 | pelamis | Marine | Least concern |
| 1122 | Rastrelliger | Cuvier, 1816 | kanagurta | Marine, Mangrove, Coral reef | Data deficient |
| 1123 | Scomber | Cuvier, 1832 | australasicus | Marine | Least concern |
| 1124 | Scomber | Houttuyn, 1782* | japonicus | Marine | Least concern |
| 1125 | Scomberomorus | Lacepède, 1800 | commerson | Marine, Mangrove, Coral reef | Near threatened |
| 1126 | Scomberomorus | Bloch & Schneider, 1801 | guttatus | Marine | Data deficient |
| 1127 | Scomberomorus | Cuvier, 1832 | niphonius | Marine, Mangrove, Coral reef | Data deficient |
| 1128 | Thunnus | Lowe, 1839 | obesus | Marine | Vulnerable |
| 1129 | Thunnus | Bleeker, 1851 | tonggol | Marine | Data deficient |

Table continued on next page.................
| No  | Orders     | Families | Latin name                          | Habitats            | IUCN       |
|-----|------------|----------|-------------------------------------|---------------------|------------|
| 1130| Serranidae |          | Aethaloperca rogaa Forsskål, 1775   | Marine              | Least concern |
| 1131|           |          | Anoptheron leucogrammicus Valenciennes, 1828 | Marine, Mangrove, Coral reef | Least concern |
| 1132|           |          | Cephalopholis argus Schneider, 1801  | Marine, Mangrove, Coral reef | Least concern |
| 1133|           |          | Cephalopholis aurantia Valenciennes, 1828 | Marine              | Least concern |
| 1134|           |          | Cephalopholis boenak Bloch, 1790     | Marine, Mangrove, Coral reef | Least concern |
| 1135|           |          | Cephalopholis formosa Shaw, 1812     | Marine, Mangrove, Coral reef | Least concern |
| 1136|           |          | Cephalopholis leopardus Lacepède, 1801 | Marine, Mangrove, Coral reef | Least concern |
| 1137|           |          | Cephalopholis microprion Bleeker, 1852 | Marine, Mangrove, Coral reef | Least concern |
| 1138|           |          | Cephalopholis miniata Forsskål, 1775 | Marine, Mangrove, Coral reef | Least concern |
| 1139|           |          | Cephalopholis urodata Forster, 1801  | Marine, Mangrove, Coral reef | Least concern |
| 1140|           |          | Chelidoperca hirundinaceus Valenciennes, 1831 | Marine              | Not evaluated |
| 1141|           |          | Cromileptes alivelis Valenciennes, 1828 | Marine, Mangrove, Coral reef | Data deficient |
| 1142|           |          | Diploprion bifasciatum Cuvier, 1828  | Marine, Mangrove, Coral reef | Least concern |
| 1143|           |          | Epinephelus akaara Temminck & Schlegel, 1842 | Marine, Mangrove, Coral reef | Endangered |
| 1144|           |          | Epinephelus amblycephalus Bleeker, 1857 | Marine, Mangrove, Coral reef | Least concern |
| 1145|           |          | Epinephelus areolatus Forsskål, 1775 | Marine, Mangrove, Coral reef | Least concern |
| 1146|           |          | Epinephelus awoara Temminck & Schlegel, 1842 | Marine, Mangrove, Coral reef | Data deficient |
| 1147|           |          | Epinephelus bleekeri Vaillant, 1878  | Marine, Mangrove, Coral reef | Data deficient |
| 1148|           |          | Epinephelus bruneus Bloch, 1793      | Marine, Mangrove, Coral reef | Vulnerable |
| 1149|           |          | Epinephelus chlorostigma Valenciennes, 1828 | Marine, Mangrove, Coral reef | Least concern |
| 1150|           |          | Epinephelus coeruleopunctatus Bloch, 1790 | Marine, Mangrove, Coral reef | Least concern |
| 1151|           |          | Epinephelus coioides Hamilton, 1822  | Marine, Mangrove, Coral reef, Intertidal | Least concern |
| 1152|           |          | Epinephelus coralicola Valenciennes, 1828 | Marine, Mangrove, Coral reef | Least concern |
| 1153|           |          | Epinephelus diacanthus Valenciennes, 1828 | Marine              | Least concern |
| 1154|           |          | Epinephelus epistictus Temminck & Schlegel, 1842 | Marine | Least concern |
| 1155|           |          | Epinephelus fasciatomaculosus Peters, 1865 | Marine, Mangrove, Coral reef | Least concern |

Table continued on next page.............
| No  | Orders | Families                     | Latin name                                  | Habitats                  | IUCN            |
|-----|--------|------------------------------|---------------------------------------------|---------------------------|-----------------|
| 1156|        |                              | *Epinephelus fasciatus* Forsskål, 1775      | Marine, Mangrove, Coral reef | Least concern   |
| 1157|        |                              | *Epinephelus fuscoguttatus* Forsskål, 1775  | Marine                    | Vulnerable      |
| 1158|        |                              | *Epinephelus lanceolatus* Bloch, 1790       | Marine, Mangrove, Coral reef | Data deficient  |
| 1159|        |                              | *Epinephelus latifasciatus* Temminck & Schlegel, 1842 | Marine                  | Least concern   |
| 1160|        |                              | *Epinephelus longispinis* Kner, 1864        | Marine, Mangrove, Coral reef | Least concern   |
| 1161|        |                              | *Epinephelus macrospilos* Bleeker, 1855     | Marine, Mangrove, Coral reef | Least concern   |
| 1162|        |                              | *Epinephelus maculatus* Bloch, 1790        | Marine, Mangrove, Coral reef | Least concern   |
| 1163|        |                              | *Epinephelus malabaricus* Bloch & Schneider, 1801 | Marine, Mangrove, Coral reef | Least concern   |
| 1164|        |                              | *Epinephelus ongus* Bloch, 1790            | Marine, Mangrove, Coral reef | Least concern   |
| 1165|        |                              | *Epinephelus polyplekadion* Bleeker, 1849   | Marine                    | Vulnerable      |
| 1166|        |                              | *Epinephelus quoyanus* Valenciennes, 1830   | Marine, Mangrove, Coral reef | Least concern   |
| 1167|        |                              | *Epinephelus rivulatus* Valenciennes, 1830  | Marine, Mangrove, Coral reef | Least concern   |
| 1168|        |                              | *Epinephelus sexfasciatus* Valenciennes, 1828 | Marine, Mangrove, Coral reef | Least concern   |
| 1169|        |                              | *Epinephelus spilotoceps* Schultz, 1953     | Marine, Mangrove, Coral reef | Least concern   |
| 1170|        |                              | *Epinephelus stictus* Randall & Allen, 1987 | Marine, Mangrove, Coral reef | Least concern   |
| 1171|        |                              | *Epinephelus taurina* Forsskål, 1775       | Marine, Mangrove, Coral reef | Data deficient  |
| 1172|        |                              | *Epinephelus trimaculatus* Valenciennes, 1828 | Marine                | Least concern   |
| 1173|        |                              | *Niphon spinosus* Cuvier, 1828              | Marine                    | Not evaluated   |
| 1174|        |                              | *Plectranthias japonicus* Steindachner, 1883 | Marine                  | Not evaluated   |
| 1175|        |                              | *Plectropomus areolatus* Rüppell, 1830      | Marine                    | Vulnerable      |
| 1176|        |                              | *Plectropomus laevis* Lapeède, 1801        | Marine, Mangrove, Coral reef | Least concern   |
| 1177|        |                              | *Plectropomus leopardus* Lapeède, 1802     | Marine, Mangrove, Coral reef | Least concern   |
| 1178|        |                              | *Plectropomus maculatus* Bloch, 1790       | Marine                    | Least concern   |
| 1179|        |                              | *Pseudanthias cichlops* Bleeker, 1853       | Marine                    | Least concern   |
| 1180|        |                              | *Pseudanthias tuka* Herre & Montalban, 1927 | Marine                    | Least concern   |
| 1181|        |                              | *Tosana niwae* Smith & Pope, 1906          | Marine                    | Not evaluated   |
| 1182|        |                              | *Triso dermopterus* Temminck & Schlegel, 1842 | Marine                   | Least concern   |
| 1183|        |                              | *Siganidae*                                |                           |                 |
| 1184|        |                              | *Siganus argenteus* Quoy & Gaimard, 1825   | Marine, Mangrove, Coral reef | Least concern   |
|     |        |                              | *Siganus canaliculatus* Park, 1797*        | Marine, Mangrove, Coral reef | Least concern   |

*Table continued on next page.................
| No | Orders      | Families         | Latin name                     | Habitats                      | IUCN         |
|----|-------------|------------------|--------------------------------|--------------------------------|--------------|
| 1185 |            |                  | *Siganus corallinus* Valenciennes, 1835 | Marine                         | Least concern |
| 1186 |            |                  | *Siganus fuscescens* Houttuyn, 1782 | Marine, Mangrove, Coral reef, Intertidal | Least concern |
| 1187 |            |                  | *Siganus guttatus* Bloch, 1787    | Marine, Mangrove, Coral reef   | Least concern |
| 1188 |            |                  | *Siganus javus* Linnaeus, 1766    | Marine                         | Least concern |
| 1189 |            |                  | *Siganus puellus* Schlegel, 1852  | Marine                         | Least concern |
| 1190 |            |                  | *Siganus punctatus* Schneider & Forster, 1801 | Marine, Mangrove, Coral reef | Least concern |
| 1191 |            |                  | *Siganus spinus* Linnaeus, 1758   | Marine, Mangrove, Coral reef   | Least concern |
| 1192 |            |                  | *Siganus unimaculatus* Evermann & Seale, 1907 | Marine                         | Data deficient |
| 1193 |            |                  | *Siganus virgatus* Valenciennes, 1835 | Marine, Mangrove, Coral reef   | Least concern |
| 1194 |            | Sillaginidae      | *Siganus vulpinus* Schlegel & Müller, 1845 | Marine                         | Least concern |
| 1195 |            |                  | *Sillago aeolus* Jordan & Evermann, 1902 | Marine                         | Not evaluated |
| 1196 |            |                  | *Sillago asiatica* McKay, 1982    | Marine                         | Not evaluated |
| 1197 |            |                  | *Sillago indica* McKay, Dutt & Sujatha, 1985 | Marine                         | Data deficient |
| 1198 |            |                  | *Sillago japonica* Temminck & Schlegel, 1843 | Marine, Mangrove, Coral reef, Intertidal | Least concern |
| 1199 |            |                  | *Sillago maculata* Quoy & Gaimard, 1824 | Marine, Mangrove, Coral reef, Intertidal | Not evaluated |
| 1200 |            |                  | *Sillago parvisquamis* Gill, 1861 | Marine, Mangrove, Coral reef   | Endangered   |
| 1201 |            |                  | *Sillago sihama* Forsskål, 1775   | Marine, Mangrove, Coral reef, Intertidal | Least concern |
| 1202 | Sparidae   |                  | *Acanthopagrus berda* Forsskål, 1775 | Marine, Mangrove, Coral reef   | Least concern |
| 1203 |            |                  | *Acanthopagrus chinshira* Kume & Yoshino, 2008 | Marine, Mangrove, Coral reef | Near threatened |
| 1204 |            |                  | *Acanthopagrus latus* Houttuyn, 1782 | Marine, Mangrove, Coral reef   | Data deficient |
| 1205 |            |                  | *Acanthopagrus pacificus* Iwatsuki, Kume & Yoshino, 2010 | Marine                         | Least concern |
| 1206 |            |                  | *Acanthopagrus schlegelii* Bleeker, 1854 | Marine, Mangrove, Coral reef   | Least concern |
| 1207 |            |                  | *Argyrops bleekeri* Oshima, 1927   | Marine                         | Least concern |
| 1208 |            |                  | *Argyrops spinifer* Forsskål, 1775 | Marine                         | Least concern |
| 1209 |            |                  | *Caristius macropus* Bellotti, 1903 | Marine, Mangrove, Coral reef   | Not evaluated |
| 1210 |            |                  | *Dentex hypselosomus* Bleeker, 1854 | Marine                         | Least concern |
| 1211 |            |                  | *Dentex tumifrons* Temminck & Schlegel, 1843 | Marine, Mangrove, Coral reef | Least concern |
| 1212 |            |                  | *Eynnis cardinals* Lacepède, 1802  | Marine, Mangrove, Coral reef   | Endangered   |
| 1213 |            |                  | *Pagrus auratus* Forster, 1801     | Marine, Mangrove, Coral reef   | Least concern |
| 1214 |            |                  | *Pagrus caeruleostictus* Valenciennes, 1830 | Marine                         | Least concern |

*Table continued on next page.............*
| No  | Orders | Families       | Latin name                                      | Habitats                  | IUCN         |
|-----|--------|----------------|-------------------------------------------------|---------------------------|--------------|
| 1215 |        |                | Pagrus major Temminck & Schlegel, 1843          | Marine, Mangrove, Coral reef | Least concern |
| 1216 |        |                | Rhabdosargus sarba Forsskål, 1775              | Marine, Mangrove, Coral reef | Least concern |
| 1217 |        |                | Sparus aurata Linnaeus, 1758                   | Marine, Mangrove, Coral reef | Least concern |
| 1218 |        | Sphyraenidae   | Sphyraena barracuda Edwards, 1771              | Marine, Mangrove, Coral reef | Least concern |
| 1219 |        |                | Sphyraena flavicauda Rüppell, 1838             | Marine                    | Not evaluated |
| 1220 |        |                | Sphyraena forsteri Cuvier, 1829                | Marine, Mangrove, Coral reef | Not evaluated |
| 1221 |        |                | Sphyraena japonica Bloch & Schneider, 1801     | Marine                    | Not evaluated |
| 1222 |        |                | Sphyraena jello Cuvier, 1829                   | Marine, Mangrove, Coral reef | Not evaluated |
| 1223 |        |                | Sphyraena obtusata Cuvier, 1829                | Marine                    | Not evaluated |
| 1224 |        |                | Sphyraena pinguis Günther, 1874                | Marine, Mangrove, Coral reef | Not evaluated |
| 1225 |        |                | Sphyraena putnamae Jordan & Seale, 1903        | Marine                    | Not evaluated |
| 1226 |        | Stromateidae   | Pampus argenteus Euphrasen, 1788               | Marine, Mangrove, Coral reef | Not evaluated |
| 1227 |        |                | Pampus chinensis Euphrasen, 1788               | Marine, Mangrove, Coral reef | Not evaluated |
| 1228 |        |                | Pampus cinereus Bloch, 1795                    | Marine                    | Not evaluated |
| 1229 |        |                | Pampus minor Liu & Li, 1998                    | Marine                    | Not evaluated |
| 1230 |        | Taenioididae   | Taenioides anguillaris Linnaeus, 1758          | Marine, Mangrove, Coral reef | Least concern |
| 1231 |        |                | Taenioides cirtatus Blyth, 1860                | Marine, Mangrove, Coral reef | Data deficient|
| 1232 |        |                | Taenioides eruptionis Bleeker, 1849            | Marine, Mangrove, Coral reef | Not evaluated |
| 1233 |        | Teraponidae    | Helotes sexlineatus Quoy & Gaimard, 1825       | Marine, Mangrove, Coral reef | Least concern |
| 1234 |        |                | Pelates quadrilineatus Bloch, 1790             | Marine, Mangrove, Coral reef | Not evaluated |
| 1235 |        |                | Rynchopelates oxyrhynchus Temminck & Schlegel, 1842 | Marine, Mangrove, Coral reef | Not evaluated |
| 1236 |        |                | Terapon jarbua Forsskål, 1775                 | Marine, Mangrove, Coral reef, Intertidal | Least concern |
| 1237 |        |                | Terapon theraps Cuvier, 1829                   | Marine, Mangrove, Coral reef | Least concern |
| 1238 |        | Thunnidae      | Sarda orientalis Temminck & Schlegel, 1844     | Marine, Mangrove, Coral reef | Least concern |
| 1239 |        | Trichiuridae   | Eupleurogrammus muticus Gray, 1831             | Marine, Mangrove, Coral reef | Not evaluated |
| 1240 |        |                | Lepturacanthus savala Cuvier, 1829             | Marine, Mangrove, Coral reef | Not evaluated |
| 1241 |        |                | Tentoriceps cristatus Klunzinger, 1884         | Marine                    | Not evaluated |

Table continued on next page..............
| No  | Orders      | Families          | Latin name                       | Habitats                          | IUCN       |
|-----|-------------|-------------------|----------------------------------|-----------------------------------|------------|
| 1242|             | Trichiuridae      | *Trichiurus brevis* Wang & You, 1992 | Marine                            | Not evaluated |
| 1243|             |                   | *Trichiurus lepturus* Linnaeus, 1758* | Marine, Mangrove, Coral reef     | Least concern |
| 1244|             |                   | *Trichiurus margaritae* Li, 1992   | Marine                            | Not evaluated |
| 1245|             |                   | *Trichiurus nanhaiensis* Wang & Xu, 1992 | Marine                            | Not evaluated |
| 1246|             | Triehonotidae     | *Enneapterygius etheostoma* Jordan & Snyder, 1902 | Marine, Intertidal             | Least concern |
| 1247|             |                   | *Enneapterygius rubicuca* Shen, 1994 | Marine, Intertidal             | Least concern |
| 1248|             |                   | *Helcogramma gastrica* Weber, 1909 | Marine, Mangrove, Coral reef     | Least concern |
| 1249|             |                   | *Helcogramma striata* Hansen, 1986 | Marine, Mangrove, Coral reef     | Least concern |
| 1250|             |                   | *Helcogramma vulcan* Randall & Clark, 1993 | Marine, Mangrove, Coral reef     | Least concern |
| 1251|             |                   |                               |                                   |            |
| 1252|             | Ursoscopidae      | *Ichthyscopus lebeck* Bloch & Schneider, 1801 | Marine                            | Not evaluated |
| 1253|             |                   | *Uranoscopus bicinctus* Temminck & Schlegel, 1843 | Marine                            | Not evaluated |
| 1254|             |                   | *Uranoscopus japonicus* Houttuyn, 1782 | Marine                            | Least concern |
| 1255|             |                   | *Uranoscopus oligoplos* Bleeker, 1878 | Marine                            | Least concern |
| 1256|             |                   | *Uranoscopus tosae* Jordan & Hubbs, 1925 | Marine                            | Not evaluated |
| 1257|             |                   | *Xenocephalus elongatus* Temminck & Schlegel, 1843 | Marine                            | Not evaluated |
| 1258|             | Zanclidae         | *Zanclus corina* Linnaeus, 1758   | Marine, Mangrove, Coral reef     | Least concern |
| 1259|             | Achiridae         | *Achirus lineare* Linnaeus, 1758  | Marine                            | Least concern |
| 1260|             | Bothidae          | *Arnoglossus japonicus* Hubbs, 1915 | Marine, Mangrove, Coral reef     | Least concern |
| 1261|             |                   | *Arnoglossus tapeinosoma* Bleeker, 1865 | Marine                            | Data deficient |
| 1262|             |                   | *Arnoglossus tenuis* Günther, 1880 | Marine, Mangrove, Coral reef     | Least concern |
| 1263|             |                   | *Crossorhombus azureus* Alcock, 1889 | Marine                            | Least concern |
| 1264|             |                   | *Engyprosopon grandisquama* Temminck & Schlegel, 1846 | Marine                            | Least concern |
| 1265|             |                   | *Laeops kitaharai* Smith & Pope, 1906 | Marine                            | Least concern |
| 1266|             |                   | *Laeops parviceps* Günther, 1880  | Marine, Mangrove, Coral reef     | Not evaluated |
| 1267|             |                   | *Psetina filiman* Li & Wang, 1982  | Marine                            | Data deficient |
| 1268|             |                   | *Psetina hainanensis* Wu & Tang, 1935 | Marine                            | Data deficient |
| 1269|             |                   | *Psetina iijimae* Jordan & Starks, 1904 | Marine                            | Least concern |
| 1270|             |                   | *Tephrinectes sinensis* Lacepède, 1802 | Marine, Mangrove, Coral reef     | Least concern |
| 1271|             | Citharidae        | *Brachyleura novaezeelandiae* Günther, 1862 | Marine                            | Least concern |
| 1272|             | Cynoglossidae     | *Cynoglossus are* Bloch & Schneider, 1801 | Marine, Mangrove, Coral reef, Intertidal | Data deficient |

*Table continued on next page.................*
| No | Orders | Families | Latin name | Habitats | IUCN            |
|----|--------|----------|------------|----------|-----------------|
| 1273 |        | Cynoglossus bilineatus | Lacepède, 1802 | Marine, Mangrove, Coral reef | Least concern |
| 1274 |        | Cynoglossus cynoglossus | Hamilton, 1822 | Marine | Least concern |
| 1275 |        | Cynoglossus itinus | Snyder, 1909 | Marine | Not evaluated |
| 1276 |        | Cynoglossus joyneri | Günther, 1878 | Marine | Not evaluated |
| 1277 |        | Cynoglossus kopsii | Bleeker, 1851 | Marine | Least concern |
| 1278 |        | Cynoglossus lighti | Norman, 1925 | Marine | Not evaluated |
| 1279 |        | Cynoglossus lineolatus | Steindachner, 1867 | Marine, Intertidal | Not evaluated |
| 1280 |        | Cynoglossus macrolepidotus | Bleeker, 1851 | Marine, Mangrove, Coral reef | Not evaluated |
| 1281 |        | Cynoglossus maculipinnis | Rendahl, 1921 | Marine | Not evaluated |
| 1282 |        | Cynoglossus melampetalus | Richardson, 1846 | Marine, Mangrove, Coral reef | Not evaluated |
| 1283 |        | Cynoglossus monopus | Bleeker, 1849 | Marine | Least concern |
| 1284 |        | Cynoglossus nigropinnatus | Ochiai, 1963 | Marine | Not evaluated |
| 1285 |        | Cynoglossus oligolepis | Bleeker, 1855 | Marine, Mangrove, Coral reef | Not evaluated |
| 1286 |        | Cynoglossus puncticeps | Richardson, 1846 | Marine, Mangrove, Coral reef, Intertidal | Least concern |
| 1287 |        | Cynoglossus robustus | Günther, 1873 | Marine, Mangrove, Coral reef | Not evaluated |
| 1288 |        | Cynoglossus roulei | Wu, 1932 | Marine | Not evaluated |
| 1289 |        | Cynoglossus semilaevis | Günther, 1873 | Marine, Mangrove, Coral reef | Not evaluated |
| 1290 |        | Cynoglossus sibogae | Weber, 1913 | Marine, Intertidal | Not evaluated |
| 1291 |        | Cynoglossus suicus | Wu, 1932 | Marine, Mangrove, Coral reef | Not evaluated |
| 1292 |        | Cynoglossus trigrammus | Günther, 1862 | Marine, Mangrove, Coral reef | Least concern |
| 1293 |        | Paraplagusia bilineata | Bloch, 1787 | Marine, Mangrove, Coral reef | Not evaluated |
| 1294 |        | Paraplagusia blochii | Bleeker, 1851 | Marine | Not evaluated |
| 1295 |        | Paraplagusia japonica | Temminck & Schlegel, 1846 | Marine | Not evaluated |
| 1296 |        | Symphurus orientalis | Bleeker, 1879 | Marine | Not evaluated |
| 1297 | Paralichthyidae | Paralichthys olivaceus | Temminck & Schlegel, 1846* | Marine | Not evaluated |
| 1298 |        | Pseudorhombus arsius | Hamilton, 1822 | Marine, Mangrove, Coral reef, Intertidal | Not evaluated |
| 1299 |        | Pseudorhombus cinnamoneus | Temminck & Schlegel, 1846 | Marine, Mangrove, Coral reef | Least concern |
| 1300 |        | Pseudorhombus elevatus | Ogilby, 1912 | Marine | Not evaluated |
| 1301 |        | Pseudorhombus javanicus | Bleeker, 1853 | Marine, Mangrove, Coral reef | Not evaluated |
| 1302 |        | Pseudorhombus levisquamos | Oshima, 1927 | Marine | Least concern |
| 1303 |        | Pseudorhombus malayanus | Bleeker, 1865* | Marine, Mangrove, Coral reef | Not evaluated |

Table continued on next page..............
| No   | Orders          | Families           | Latin name                                                                 | Habitats                        | IUCN       |
|------|-----------------|--------------------|----------------------------------------------------------------------------|---------------------------------|------------|
| 1304 |                 |                    | *Pseudorhombus neglectus* Bleeker, 1865                                     | Marine                          | Least concern |
| 1305 |                 |                    | *Pseudorhombus oligodon* Bleeker, 1854                                      | Marine, Coral reef              | Least concern |
| 1306 |                 |                    | *Pseudorhombus pentothalimus* Günther, 1862                                 | Marine                          | Least concern |
| 1307 |                 |                    | *Pseudorhombus quinquocellatus* Weber & de Beaufort, 1929                   | Marine                          | Least concern |
| 1308 |                 |                    | *Tarpops oligolepis* Bleeker, 1858                                          | Marine, Coral reef              | Least concern |
| 1309 | Pleuronectidae  |                    | *Pleuronichthys cornutus* Temminck & Schlegel, 1846                        | Marine, Coral reef              | Not evaluated |
| 1310 |                 |                    | *Samaris cristatus* Gray, 1831                                             | Marine                          | Least concern |
| 1311 | Poecilopsetidae |                    | *Poecilopsetta plinthus* Jordan & Starks, 1904                             | Marine                          | Least concern |
| 1312 |                 |                    | *Poecilopsetta praelonga* Alcock, 1894                                      | Marine                          | Least concern |
| 1313 | Psettodidae     |                    | *Psettodus erumei* Bloch & Schneider, 1801                                 | Marine                          | Data deficient |
| 1314 | Samaridae       |                    | *Plagiopsetta glossa* Franz, 1910                                           | Marine, Coral reef              | Least concern |
| 1315 | Soleidae        |                    | *Aesopia cornuta* Kaup, 1858                                                | Marine, Coral reef              | Least concern |
| 1316 |                 |                    | *Aseraggodes dubius* Weber, 1913                                            | Marine                          | Least concern |
| 1317 |                 |                    | *Aseraggodes kobensis* Steindachner, 1896                                   | Marine                          | Least concern |
| 1318 |                 |                    | *Aseraggodes xenicus* Matsubara & Ochiai, 1963                              | Marine                          | Least concern |
| 1319 |                 |                    | *Brachirus orientalis* Bloch & Schneider, 1801                             | Marine, Coral reef, Intertidal   | Least concern |
| 1320 |                 |                    | *Brachirus pan* Hamilton, 1822                                              | Marine, Coral reef              | Least concern |
| 1321 |                 |                    | *Heteromycteris japonicus* Temminck & Schlegel, 1846                        | Marine                          | Not evaluated |
| 1322 |                 |                    | *Liachirus melanospilos* Bleeker, 1854                                      | Marine, Intertidal              | Least concern |
| 1323 |                 |                    | *Pardachirus pavoninus* Lacepédé, 1802                                      | Marine                          | Least concern |
| 1324 |                 |                    | *Solea elongata* Day, 1877                                                  | Marine                          | Least concern |
| 1325 |                 |                    | *Solea ovata* Richardson, 1846                                              | Marine, Coral reef, Intertidal   | Least concern |
| 1326 |                 |                    | *Zebrias crossolepis* Zheng & Chang, 1965                                   | Marine                          | Data deficient |
| 1327 |                 |                    | *Zebrias quagga* Kaup, 1858                                                  | Marine, Coral reef              | Least concern |
| 1328 |                 |                    | *Zebrias zebra* Bloch, 1877                                                  | Marine, Coral reef, Intertidal   | Not evaluated |
| 1329 |                 |                    | *Zebrias zebrinus* Temminck & Schlegel, 1846                                | Marine                          | Not evaluated |
| 1330 | Polymixiiiformes| Polymixiidae       | *Polymixia japonica* Günther, 1877                                          | Marine                          | Least concern |
| 1331 | Scorpaeniformes | Aploactinidae      | *Erisphex pottii* Steindachner, 1896                                        | Marine                          | Least concern |
| 1332 |                 |                    | *Paraploactis kagoshimensis* Ishikawa, 1904                                  | Marine                          | Not evaluated |
| 1333 |                 |                    | *Bembridge* *Bembras japonica* Cuvier, 1829                                 | Marine, Coral reef              | Not evaluated |

Table continue on next page.............
| No   | Orders     | Families        | Latin name                                         | Habitats               | IUCN       |
|------|------------|-----------------|----------------------------------------------------|------------------------|------------|
| 1334 | Congioloidi- | Acanthosphex leuryennis | Jordan & Scale, 1905 Marine, Mangrove, Coral reef | Least concern          |
|      | dae        | Dactyloptera gilberti | Snyder, 1909 Marine                               | Least concern          |
| 1335 | Dactyopteridae | Dactyloptena orientalis | Cuvier, 1829 Marine                               | Least concern          |
| 1336 | Dactyoptena peterseni | Hoplichthys acanthopleurus | Regan, 1908 Marine                               | Data deficient         |
| 1337 | Hoplichthidae | Cociella crocodilus | Cuvier, 1829 Marine, Mangrove, Coral reef          | Least concern          |
| 1338 | Platycephalidae | Cymbecephalus nematopthalmus | Günther, 1860 Marine, Mangrove, Coral reef       | Not evaluated          |
| 1339 | Elates ransonnetii | Grammophiotes scaber | Linnaeus, 1758 Marine, Mangrove, Coral reef, Intertidal | Not evaluated          |
| 1340 | Kumococcus rodericensis | Inegocia japonica | Cuvier, 1829 Marine, Mangrove, Coral reef, Intertidal | Least concern          |
| 1341 | Onigocia macrolepis | Hoploscapter armatus | Schmidt, 1929 Marine                               | Not evaluated          |
| 1342 | Onigocia spinosa | Ablabys macracanthus | Bleeker, 1852 Marine, Mangrove, Coral reef         | Least concern          |
| 1343 | Neomerinthe megalepis | Paracentropogon longispinus | Cuvier, 1829 Marine, Mangrove, Coral reef        | Least concern          |
| 1344 | Rogydius asper | Apistus carinatus | Bloch & Schneider, 1801 Marine                      | Least concern          |
| 1345 | Thysanophrys celebica | Brachypteroid serrulata | Richardson, 1846 Marine                            | Not evaluated          |
| 1346 | Plectrogenium nanum | Dendrochirus zebra | Cuvier, 1829 Marine, Mangrove, Coral reef          | Least concern          |
| 1347 | Thysanophrys celebica | Hoplosebastes armatus | Schmidt, 1929 Marine                               | Not evaluated          |
| 1348 | Scorpaenidae | Ablabys taenianotus | Cuvier, 1829 Marine                                | Not evaluated          |
| 1349 | Ablabys taenianotus | Apistus carinatus | Bloch & Schneider, 1801 Marine                      | Least concern          |
| 1350 | Apistus carinatus | Brachypteroid serrulata | Richardson, 1846 Marine                            | Not evaluated          |
| 1351 | Rogadius serratus | Dendrochirus zebra | Cuvier, 1829 Marine, Mangrove, Coral reef          | Least concern          |
| 1352 | Rogadius serratus | Hoplosebastes armatus | Schmidt, 1929 Marine                               | Not evaluated          |
| 1353 | Sorgonata tuberculata | Minous monodactylus | Bloch & Schneider, 1801 Marine                      | Least concern          |
| 1354 | Sugrandus meandervorriti | Minous pictus | Günther, 1880 Marine                               | Not evaluated          |
| 1355 | Minous pictus | Neomerinthe megalepis | Fowler, 1938 Marine                               | Least concern          |
| 1356 | Niconidae | Paracentropogon longispinus | Cuvier, 1829 Marine, Mangrove, Coral reef        | Least concern          |
| No  | Orders | Families        | Latin name                                      | Habitats                          | IUCN          |
|-----|--------|-----------------|-------------------------------------------------|-----------------------------------|---------------|
| 1366|        | Paracentropogon rubripinnis Temminck & Schlegel, 1843 | Marine, Mangrove, Coral reef, Intertidal      | Not evaluated                    |
| 1367|        | Parapterois heterura Bleeker, 1856               | Marine                                          | Least concern                   |
| 1368|        | Parascorpaena aurita Rüppell, 1838             | Marine, Mangrove, Coral reef                    | Least concern                   |
| 1369|        | Parascorpaena picta Cuvier, 1829               | Marine, Mangrove, Coral reef                    | Least concern                   |
| 1370|        | Phenacoscopias megalops Fowler, 1938            | Marine                                          | Least concern                   |
| 1371|        | Pterois antennata Bloch, 1787                  | Marine, Mangrove, Coral reef                    | Least concern                   |
| 1372|        | Pterois lunulata Temminck & Schlegel, 1843     | Marine                                          | Least concern                   |
| 1373|        | Pterois russeli Bennett, 1831                  | Marine, Mangrove, Coral reef                    | Least concern                   |
| 1374|        | Pterois volitans Linnaeus, 1758                | Marine, Mangrove, Coral reef                    | Least concern                   |
| 1375|        | Scopona izensis Jordan & Starks, 1904          | Marine                                          | Not evaluated                   |
| 1376|        | Scopona neglecta Temminck & Schlegel, 1843     | Marine                                          | Not evaluated                   |
| 1377|        | Scopena guamensis Quoy & Gaimard, 1824          | Marine, Mangrove, Coral reef                    | Least concern                   |
| 1378|        | Scopanopsis macrochir Ogilby, 1910             | Marine, Mangrove, Coral reef                    | Least concern                   |
| 1379|        | Scopanopsis venosa Cuvier, 1829                | Marine, Mangrove, Coral reef                    | Least concern                   |
| 1380|        | Scopanopsis barbata Rüppell, 1838              | Marine                                          | Least concern                   |
| 1381|        | Scopanopsis cirrosa Thunberg, 1793             | Marine, Mangrove, Coral reef                    | Not evaluated                   |
| 1382|        | Scopanopsis diabolus Cuvier, 1829              | Marine, Mangrove, Coral reef                    | Least concern                   |
| 1383|        | Scopanopsis gibosa Bloch & Schneider, 1801     | Marine, Mangrove, Coral reef                    | Least concern                   |
| 1384|        | Scopanopsis neglecta Heckel, 1837              | Marine                                          | Least concern                   |
| 1385|        | Scopanopsis ramaarad Randall & Eschmeyer, 2002 | Marine                                          | Least concern                   |
| 1386|        | Sebastes inermis Cuvier, 1829                  | Marine                                          | Not evaluated                   |
| 1387|        | Sebastiscus marmoratus Cuvier, 1829            | Marine, Mangrove, Coral reef, Intertidal       | Not evaluated                   |
| 1388|        | Sebastiscus tertius Barsukov & Chen, 1978      | Marine, Mangrove, Coral reef                    | Not evaluated                   |
| 1389|        | Sebastiscus albofasciatus Lacepède, 1802       | Marine, Mangrove, Coral reef                    | Not evaluated                   |
| 1390|        | Vespicula trachinoides Cuvier, 1829            | Marine, Mangrove, Coral reef, Intertidal       | Not evaluated                   |
| 1391| Synanceiidae | Erosa erosa Cuvier, 1829 | Marine                                          | Least concern                   |
| 1392|        | Inimicus cuvieri Gray, 1835                    | Marine                                          | Not evaluated                   |
| 1393|        | Inimicus didactylus Pallas, 1769               | Marine                                          | Not evaluated                   |
| 1394|        | Inimicus japonicus Cuvier, 1829*              | Marine                                          | Not evaluated                   |
| 1395|        | Inimicus sinensis Valenciennes, 1833          | Marine                                          | Least concern                   |
| No  | Orders      | Families | Latin name                                      | Habitats                          | IUCN       |
|-----|-------------|----------|------------------------------------------------|----------------------------------|------------|
| 1396| Synanceia   |          | *Synanceia verrucosa* Bloch & Schneider, 1801  | Marine, Mangrove, Coral reef     | Least concern |
| 1397| Trachipephalus uranoscopus | Tetrarogidae | *Trachipephalus uranoscopus* Bloch & Schneider, 1801 | Marine                           | Least concern |
| 1398| Tetrarogidae |          | *Richardsonichthys leucogaster* Richardson, 1848 | Marine                           | Least concern |
| 1399| Tetrarogidae |          | *Tetraroge barbata* Cuvier, 1829               | Marine, Mangrove, Coral reef     | Least concern |
| 1400| Trigidae     |          | *Chelidonichthys kumu* Cuvier, 1829           | Marine                           | Least concern |
| 1401| Lepidotrigidae |          | *Lepidotrigla abyssalis* Jordan & Starks, 1904 | Marine                           | Not evaluated |
| 1402| Lepidotrigidae |          | *Lepidotrigla alata* Houttuyn, 1782           | Marine, Mangrove, Coral reef     | Not evaluated |
| 1403| Lepidotrigidae |          | *Lepidotrigla hime* Matsubara & Hiyama, 1932  | Marine                           | Not evaluated |
| 1404| Lepidotrigidae |          | *Lepidotrigla japonica* Bleeker, 1854         | Marine                           | Not evaluated |
| 1405| Lepidotrigidae |          | *Lepidotrigla kishinouyi* Snyder, 1911        | Marine                           | Least concern |
| 1406| Lepidotrigidae |          | *Lepidotrigla marisinensis* Fowler, 1938      | Marine, Mangrove, Coral reef     | Not evaluated |
| 1407| Lepidotrigidae |          | *Lepidotrigla microptera* Günther, 1873       | Marine                           | Not evaluated |
| 1408| Lepidotrigidae |          | *Lepidotrigla aglina* Fowler, 1938            | Marine, Mangrove, Coral reef     | Not evaluated |
| 1409| Lepidotrigidae |          | *Lepidotrigla punctipectoralis* Fowler, 1938  | Marine                           | Not evaluated |
| 1410| Ptergyotrigidae |          | *Ptergyotrigla hemisticta* Temminck & Schlegel, 1843 | Marine, Mangrove, Coral reef     | Least concern |
| 1411| Ptergyotrigidae |          | *Ptergyotrigla ryukyensis* Matsubara & Hiyama, 1932 | Marine                           | Not evaluated |
| 1412| Siluriformes | Ariidae  | *Arius arius* Hamilton, 1822                  | Marine, Mangrove, Coral reef     | Least concern |
| 1413| *Arius maculatus* Thunberg, 1792 |          | *Arius maculatus* Thunberg, 1792              | Marine                           | Not evaluated |
| 1414| Tachysurus sinensis Lacepède, 1803 |          | *Tachysurus sinensis* Lacepède, 1803          | Marine, Mangrove, Coral reef     | Not evaluated |
| 1415| Netuma thalassina Rüppell, 1837 |          | *Netuma thalassina* Rüppell, 1837             | Marine, Mangrove, Coral reef     | Not evaluated |
| 1416| Plicofollis bella Valenciennes, 1840 |          | *Plicofollis bella* Valenciennes, 1840        | Marine                           | Not evaluated |
| 1417| Plicofollis polystaphyodon Bleeker, 1846 |          | *Plicofollis polystaphyodon* Bleeker, 1846   | Marine                           | Not evaluated |
| 1418| Bagridae     |          | *Mystus gulio* Hamilton, 1822                 | Marine                           | Least concern |
| 1419| Claridae     |          | *Clarias barbatus* Linnaeus, 1758             | Marine, Mangrove, Coral reef     | Least concern |
| 1420| *Clarias fuscus* Lacepède, 1803 |          | *Clarias fuscus* Lacepède, 1803               | Marine, Mangrove, Coral reef     | Least concern |
| 1421| Pangasiidae  |          | *Pangasius kremphi* Fang & Chaux, 1949        | Marine                           | Vulnerable |
| 1422| Plotosidae   |          | *Plotosus lineatus* Thunberg, 1787            | Marine, Mangrove, Coral reef     | Not evaluated |
| 1423| Siluridae    |          | *Silurus asotus* Linnaeus, 1758               | Marine, Mangrove, Coral reef     | Least concern |
| 1424| Stomiformes  |          | *Cylobothrops pseudopallida* Mukhacheva, 1964 | Marine                           | Least concern |
| 1425| Phosichthy- |          | *Pollichthys mauli* Poll, 1953                | Marine                           | Least concern |

Table continued on next page.............
| No | Orders | Families | Latin name | Habitats | IUCN       |
|----|--------|----------|------------|----------|------------|
| 1426 | Synbranchiformes | Mastacembelidae | Mastacembelus armatus Lacepède, 1800 | Marine | Least concern |
| 1427 | Synbranchidae | Ophisternon bengalense McClelland, 1844 | Marine | Least concern |
| 1428 | Synbranchidae | Corythoichthys flavofasciatus Rüppell, 1838 | Marine, Mangrove, Coral reef | Least concern |
| 1429 | Synbranchidae | Monopterus albus Zuiew, 1793 | Marine | Least concern |
| 1430 | Syngnathiformes | Syngnathidae | Hippichthys cyanospilos Bleeker, 1854 | Marine | Least concern |
| 1431 | | | Hippichthys heptagonus Bleeker, 1849 | Marine | Least concern |
| 1432 | | | Hippichthys penicillus Cantor, 1849 | Marine, Mangrove, Coral reef | Least concern |
| 1433 | | | Hippichthys spicifer Rüppell, 1838 | Marine, Mangrove, Coral reef | Least concern |
| 1434 | | | Hippocampus histrix Kaup, 1856* | Marine | Vulnerable |
| 1435 | | | Hippocampus kelloggi Jordan & Snyder, 1901* | Marine | Vulnerable |
| 1436 | | | Hippocampus kuda Bleeker, 1852* | Marine | Vulnerable |
| 1437 | | | Hippocampus mohniki Bleeker, 1853* | Marine | Vulnerable |
| 1438 | | | Hippocampus trimaculatus Leach, 1814* | Marine | Vulnerable |
| 1439 | | | Syngnathoides biculatus Bloch, 1785* | Marine | Least concern |
| 1440 | | | Phoxocampus belcheri Kaup, 1856 | Marine, Mangrove, Coral reef | Least concern |
| 1441 | | | Syngnathus acus Linnaeus, 1758* | Marine, Mangrove, Coral reef | Least concern |
| 1442 | | | Syngnathus pelagicus Linnaeus, 1758 | Marine | Least concern |
| 1443 | | | Syngnathus schlegeli Kaup, 1856* | Marine | Least concern |
| 1444 | | | Trachyrhamphus serratus Temminck & Schlegel, 1850* | Marine | Data deficient |
| 1445 | Tetrodontiforme | Balistidae | Abalistes stellatus Anonymous, 1798 | Marine | Not evaluated |
| 1446 | | | Canthidermis rotundatus Marion de Procé, 1822 | Marine, Mangrove, Coral reef | Least concern |
| 1447 | | | Canthidermis conspicillum Bloch & Schneider, 1801 | Marine | Not evaluated |
| 1448 | | | Melichthys vidua Richardson, 1845 | Marine, Mangrove, Coral reef | Not evaluated |
| 1449 | | | Pseudobalistes flavimarginatus Rüppell, 1829 | Marine | Not evaluated |
| 1450 | | | Pseudobalistes fuscus Bloch & Schneider, 1801 | Marine | Not evaluated |
| 1451 | | | Rhinecanthus aculeatus Linnaeus, 1758 | Marine | Not evaluated |
| 1452 | | | Rhinecanthus angulus Bleeker, 1850 | Marine, Mangrove, Coral reef | Not evaluated |
| 1453 | | | Sufflamen chrysoperum Bloch & Schneider, 1801 | Marine, Mangrove, Coral reef | Not evaluated |
| 1454 | | | Sufflamen franenum Latreille, 1804 | Marine | Least concern |
| 1455 | | | Diodon holocanthus Linnaeus, 1758* | Marine, Mangrove, Coral reef | Least concern |
| 1456 | | | Diodon hystrix Linnaeus, 1758 | Marine, Mangrove, Coral reef | Least concern |

Table continued on next page.................
| No  | Orders           | Families              | Latin name                         | Habitats                     | IUCN          |
|-----|------------------|-----------------------|------------------------------------|------------------------------|---------------|
| 1461|                  | Diodon liturosus      | Shaw, 1804                         | Marine, Mangrove, Coral reef | Not evaluated |
| 1462| Molidae          | Monacanthidae         | Masturus lanceolatus                | Marine                       | Least concern |
| 1463|                  |                       | Anacanthus barbatus Gray            | Marine                       | Least concern |
| 1464|                  |                       | Aluterus monoceros                 | Marine, Mangrove, Coral reef | Least concern |
| 1465|                  |                       | Aluterus scriptus Osbeck           | Marine, Mangrove, Coral reef | Least concern |
| 1466|                  |                       | Chaetodermis penicilligerus        | Marine                       | Least concern |
| 1467|                  |                       | Monacanthus chinensis              | Marine, Mangrove, Coral reef | Least concern |
| 1468|                  |                       | Oxymonacanthus longirostris        | Marine                       | Least concern |
| 1469|                  |                       | Paraluteres prionurus              | Marine, Mangrove, Coral reef | Least concern |
| 1470|                  |                       | Paramonacanthus japonicus          | Marine                       | Least concern |
| 1471|                  |                       | Paramonacanthus oblongus           | Marine, Mangrove, Coral reef | Least concern |
| 1472|                  |                       | Paramonacanthus oitisensis         | Marine                       | Least concern |
| 1473|                  |                       | Paramonacanthus pusillus           | Marine                       | Least concern |
| 1474|                  |                       | Paramonacanthus sulcatus           | Marine                       | Least concern |
| 1475|                  |                       | Stephanolepis cirrhifer            | Marine                       | Least concern |
| 1476|                  |                       | Stephanolepis setifer              | Marine, Mangrove, Coral reef | Least concern |
| 1477|                  |                       | Thamnacanthus hypargyreus          | Marine                       | Least concern |
| 1478|                  |                       | Thamnacanthus modestoides          | Marine                       | Least concern |
| 1479|                  |                       | Thamnacanthus septentrionalis      | Marine, Mangrove, Coral reef | Least concern |
| 1480| Ostracanthidae   |                       | Thamnacanthus tessellatus          | Marine                       | Least concern |
| 1481|                  |                       | Lactoria cornuta                   | Marine, Mangrove, Coral reef | Not evaluated |
| 1482|                  |                       | Ostracion cubicum                  | Marine, Mangrove, Coral reef | Not evaluated |
| 1483|                  |                       | Ostracion immaculatum              | Marine                       | Not evaluated |
| 1484|                  |                       | Ostracion meleagris                | Marine, Mangrove, Coral reef | Not evaluated |
| 1485|                  |                       | Rhynchostracion nasus              | Marine, Mangrove, Coral reef | Not evaluated |
| 1486| Tetraodontidae   |                       | Tetrodonus concatenatus            | Marine                       | Not evaluated |
| 1487|                  |                       | Tetrodonus gibbosus                | Marine                       | Least concern |
| 1488|                  |                       | Amblyrhyndoches honckenii          | Marine                       | Least concern |
| 1489|                  |                       | Amblyrhyndoches rufopunctatus      | Marine                       | Not evaluated |
| 1490|                  |                       | Arothron hispidus                  | Marine, Mangrove, Coral reef | Least concern |

Table continued on next page.............
| No  | Orders | Families | Latin name                      | Habitats                     | IUCN          |
|-----|--------|----------|---------------------------------|------------------------------|---------------|
| 1491|        |          | *Arothron nigropunctatus* Bloch & Schneider, 1801 | Marine, Mangrove, Coral reef | Least concern |
| 1492|        |          | *Arothron stellatus* Anonymous, 1798 | Marine | Least concern |
| 1493|        |          | *Canthigaster axiologus* Whitley, 1931 | Marine | Least concern |
| 1494|        |          | *Canthigaster rivulata* Temminck & Schlegel, 1850 | Marine, Mangrove, Coral reef | Least concern |
| 1495|        |          | *Canthigaster valentini* Blecker, 1853 | Marine, Mangrove, Coral reef | Least concern |
| 1496|        |          | *Chelonodon patoca* Hamilton, 1822 | Marine, Mangrove, Coral reef | Least concern |
| 1497|        |          | *Lagocephalus gloveri* Abe & Tabeta, 1983 | Marine | Data deficient |
| 1498|        |          | *Lagocephalus inermis* Temminck & Schlegel, 1850* | Marine, Mangrove, Coral reef | Least concern |
| 1499|        |          | *Lagocephalus lagocephalus* Linnaeus, 1758 | Marine | Least concern |
| 1500|        |          | *Lagocephalus lunaris* Bloch & Schneider, 1801* | Marine, Mangrove, Coral reef, Intertidal | Least concern |
| 1501|        |          | *Lagocephalus sceleratus* Gmelin, 1789 | Marine | Least concern |
| 1502|        |          | *Lagocephalus spadiceus* Richardson, 1845 | Marine, Mangrove, Coral reef | Least concern |
| 1503|        |          | *Lagocephalus wheeleri* Abe, Tabeta & Kitahaha, 1984 | Marine | Not evaluated |
| 1504|        |          | *Takifugu alboplumbeus* Richardson, 1845 | Marine, Mangrove, Coral reef, Intertidal | Least concern |
| 1505|        |          | *Takifugu basilewskianus* Basilewsky, 1855 | Marine, Mangrove, Coral reef | Data deficient |
| 1506|        |          | *Takifugu bimaculatus* Richardson, 1845 | Marine, Intertidal | Least concern |
| 1507|        |          | *Takifugu mnhobles* Jordan & Snyder, 1901 | Marine, Mangrove, Coral reef, Intertidal | Least concern |
| 1508|        |          | *Takifugu oblongus* Bloch, 1786 | Marine, Mangrove, Coral reef, Intertidal | Least concern |
| 1509|        |          | *Takifugu ocellatus* Linnaeus, 1758 | Marine, Mangrove, Coral reef | Near threatened |
| 1510|        |          | *Takifugu poecilonotus* Temminck & Schlegel, 1850 | Marine | Least concern |
| 1511|        |          | *Takifugu porphyreus* Temminck & Schlegel, 1850 | Marine, Mangrove, Coral reef | Least concern |
| 1512|        |          | *Takifugu vermicularis* Temminck & Schlegel, 1850* | Marine | Near threatened |
| 1513|        |          | *Takifugu xanthopterus* Temminck & Schlegel, 1850 | Marine, Mangrove, Coral reef | Least concern |
| 1514| Triacanthidae | | *Pseudotriacanthus strigilifer* Cantor, 1849* | Marine | Not evaluated |
| 1515| Triacanthidae | | *Triacanthus biaculeatus* Bloch, 1786* | Marine, Mangrove, Coral reef | Not evaluated |
| 1516|        |          | *Tripodichthys blochii* Bleeker, 1852 | Marine | Not evaluated |
| 1517| Zeiformes | Parazenidae | *Cyttopsis cypho* Fowler, 1934 | Marine | Not evaluated |
| 1518| Zeiformes | Zeidae | *Zenopsis nebulosa* Temminck & Schlegel, 1845 | Marine | Not evaluated |
| 1519| Zeiformes | Zeidae | *Zeus faber* Linnaeus, 1758 | Marine | Data deficient |

Note: * Species listed in the Chinese traditional medicines
In order to better protect fish biodiversity and fisheries resource, China government had announced fishing ban in Beibu Gulf since 1999 (June 1- August 1 from 1999-2003, June 1- August 1 from 2004-2016; May 1- August 16 from 2017). In the fishing ban period, all forms of fishing were not allowed in the Beibu Gulf. However, some Vietnamese fishermen still continued their fishing activities during the period of fishing ban in the Beibu Gulf (Vu, 2013). The effects of fishing ban caused tensions between China and Vietnam (Vu, 2013). Therefore, we hope the government of China and Vietnam to take more co-operations to consolidated time quantum and scope in the Beibu Gulf.

The biological information (biology, ecology, distribution, and life-history) of many fish was lack, which was limited to the scientific management of bioresources and fisheries sustainability. Especially some migratory fish species (including anadromous, catadromous, and mangroves seagrass Coral reef fishes) spend partial life history in different habitats. These migratory fishes should have been paid more attention. A great number of studies have been funded by China’s Belt and Road initiative. However, few studies focused on conservation of fish biodiversity and fishery sustainability in the Beibu Gulf. We call on more international cooperation of fishery scholars among China, Vietnam and other ASEAN countries.

**CONCLUSIONS**

A rich diversity of fish species has been observed in the Beibu Gulf, with about 107 fish species are endangered species (Table 1). However, overfishing, pollution, habitat destruction, and non-native species are main threat to fish biodiversity and sustainable utilization of fish resources in the Beibu Gulf. Therefore, more international cooperation about protected areas, fishing bans, and scientific researches should be implemented for effective protecting fish biodiversity and fisheries resource sustainability.

**ACKNOWLEDGEMENTS**

We are grateful to the three anonymous referees for their helpful comments on previous drafts of this paper. National Natural Science Foundation of China (31702351), Key Special Project for Introduced Talents Team of Southern Marine Science and Engineering Guangdong Laboratory (Guangzhou) (GML2019ZD0605), Central Public-interest Scientific Institution Basal Research Fund, South China Sea Fisheries Research Institute, CAFS (2016TS35), Central Public-interest Scientific Institution Basal Research Fund, CAFS (2020TD16), Science and Technology Program of Guangzhou, China (202102080509), and open fund of Key Laboratory of Recreational Fisheries, Ministry of Agriculture and Rural Areas (2019N03, 2020N05).

**Declarations**

**Ethical approval**

This article does not contain any studies with animals performed by any of the authors.

**Sampling and field studies**

All necessary permits for sampling and observational field studies have been obtained by the authors from the competent authorities and are mentioned in the acknowledgements, if applicable.

**Data availability**

All data generated or analyzed during this study are included in this article.

**Statement of conflict of interest**

The authors have declared no conflict of interest.

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