

A CHECK LIST OF THE MARINE AND FRESHWATER FISHES OF VIETNAM

JAMES J. ORSI

Associate Marine Biologist, California Department of Fish and Game
Stockton, California 95205

I would like to express my deepest gratitude to Dr. Itiro Tomiyama for making this check list possible. Dr. Tomiyama performed most of the arduous task of checking the synonymy of the names in the list. Very few ichthyologists have the qualifications to handle such a broad range of species, including both freshwater and marine forms. I am extremely fortunate that he was kind enough to do this for me.

Introduction

The purpose of this check list is to bring together in one publication the names of all Vietnamese freshwater and marine fishes. I hope it will serve as a base for future ichthyological and general fisheries research in Vietnam. I also hope it will familiarize ichthyologists in other countries with the fauna of this area and promote exchanges of material between the Oceanographic Institute of Nhatrang and other scientific institutions.

This work was begun in 1968 when I was advisor to the Oceanographic Institute of Nhatrang for the Agency for International Development. It covers both North and South Vietnam, the Paracel Islands and the island of Poulo Condore. It is a compilation of names from many publications and records dating back to 1878 and a correction of their synonymy. Also listed are a few species I collected on the coral reefs of Nhatrang Bay and which were not previously reported from Vietnam.

The list totals 1458 species and subspecies. Those species present in the collection of the Oceanographic Institute are marked with an asterisk.

In spite of the large number of species listed the fish fauna of Vietnam is still not well known. As recently as 1963 P. Fourmanoir discovered 306 marine species new to Vietnam, and his major source of material was the commercial catch of Nhatrang. We may get an idea of the number of species still unreported by comparing the 1458 known Vietnamese species with the approximately 2200 species known from the Philippines. Vietnam should not necessarily equal the Philippines in the richness of its fauna as the island coasts of the latter country probably contain a greater variety of marine habitats than exist in Vietnam. On the other hand, Vietnam boasts a richer freshwater fauna than does the Philippines. Approximately 300 freshwater

species have been recorded from Vietnam and the freshwater fauna can be said to be fairly well known. But since very little collecting has been done at ocean depths greater than 100 meters many new species should be present on the continental slopes.

Zoogeography

Vietnam lies on the southeast corner of Asia near the junction of the Indian and Pacific Oceans. This places it in an advantageous position to share in the faunae of several different areas. From the west, through the Straits of Malacca, trickles the fauna of the Indian Ocean. On the east, Vietnam is open to the invasion of Pacific Ocean fishes. From the north, along the continental shelf, come the coastal fishes of China and Japan. To the south, connected with Vietnam by a broad and shallow continental shelf, lies Indonesia and its rich marine fauna.

The shallow water fishes are typical of the Indo-Pacific region. Whereas, those found in depths greater than 80 meters are representative of the Japanese region. According to Chevey (1934) these northern fishes are found at the surface in Japan. Apparently, a deep southward flowing current, running parallel to the coast brings these fishes to Vietnam. During the winter monsoon, cold water from the ocean deeps, which lie close to the coast of central Vietnam, rises over the continental shelf. The summer monsoon creates currents that drive the cold waters and the fishes associated with them back off the shelf.

The freshwater fauna is heavily influenced by Vietnam's closeness to South China with its extremely rich and varied cyprinoid and catfish groups. The family Cyprinidae is Vietnam's largest, totalling 172 species. There are 7 families and 67 species of freshwater catfishes if the freshwater members of the Ariidae are counted.

The freshwater fauna is also very similar to that of Indonesia. During glacial times Vietnam and Indonesia were united by land (Krempf and Chevey, 1936).

A Short History of Ichthyology in Vietnam

The dawn of ichthyology in Vietnam came in 1876 when H.E. Sauvage published descriptions of new species of fish from the freshwaters of Vietnam. A few years later (1881) Sauvage discussed the fish fauna of Southeast Asia and again described new species from Vietnam and Cambodia.

The first major work on Vietnamese fishes was written in 1883 when Dr. Gilbert Tirant published his memoir on the fishes of the River of Hue (Tirant, 1929a, reprinted). Dr. Tirant was the French administrator for native affairs in Indochina and also mayor of Cholon, the Chinese section of Saigon. In this first list of Vietnamese fishes he described 70 species taken from the brackish waters of this river. Eight of these species were new to science. Two years later he brought out a work on the fishes of the southern part of Vietnam and Cambodia (Tirant, 1929b, reprinted). In this paper he described the biology and fishery of 221 species of sharks, rays, cyprinids, clupeids and several other groups. His list of 233 species sent to the Museum

of Lyons, France is the first check list of Vietnamese fishes.

Another early pioneer, L. Vaillant, studied the freshwater fauna of North Vietnam during the 1890's (Vaillant, 1891).

In the early years of the twentieth century much ichthyological research was performed by the Service Océanographique des Pêches de l'Indochine (Oceanographic Service for Indochinese Fisheries). The Service was formed during the early 1920's and later became part of the Oceanographic Institute of Indochina (now that of Nhatrang) when the latter was founded in 1927.

The first check list of Vietnamese fishes intended as such was compiled in 1926 by Paul Chabanaud of the Oceanographic Service. Chabanaud's list ignored the work of earlier ichthyologists and included only species collected in the previous few years by his organization. His list contained 275 freshwater and marine species.

During the next 6 years the Oceanographic Institute continued the investigation of Vietnam's fish fauna and in 1932 the second inventory of Indochinese fishes was published (Chevey, 1932). This new list totalled 375 species, none of them included in Chabanaud's earlier work. Thus, 650 species of fishes were known at that time.

The 1930's saw vigorous activity by the ichthyologists of the Oceanographic Institute, especially in the freshwaters of North Vietnam. "Contribution à l'étude des poissons des eaux douces Tonkinoises" (Contribution to the study of the fishes of North Vietnam) by Chevey and Lemasson (1937) is the most important work of this period. It describes 100 freshwater species, many of them new to science.

After 1939 research at the Oceanographic Institute declined drastically. The outbreak of World War II, the Japanese takeover of Indochina, and the first rumblings of the Vietnamese drive for independence hampered work in the 1940's. Between 1942 and 1947 the Institute was closed. In 1945 it was abandoned for a few months and looted with considerable loss to its collections and facilities. The French attempted to restore the Institute to its former effectiveness but the Indochinese War handicapped them greatly. Between 1952 and 1956 the French and Vietnamese jointly administered the Institute. In the latter year the Vietnamese took complete charge. But they were only partly able to replace the French scientists, all of whom left. Hence, it was not until 1961 that an ichthyological paper came out of Vietnam. This was K. Kuronuma's check list of Vietnamese fishes, a work financed by the United States Operations Mission. It contained 807 species of freshwater and marine fishes. But Kuronuma lacked many of the sources he needed to make his list complete. In 1963, ORSTOM (French Office of Scientific and Technical Overseas Research) sent P. Fourmanoir to the Oceanographic Institute. In ten months of intense activity Fourmanoir identified 306 new species of marine fishes, relying mostly on the Nhatrang market (Fourmanoir, 1965). Ten of these species were new to science.

At the present time there is little ichthyological research underway at the Institute. The war severely hindered any work, especially in the inland waters. Now that the

war appears to have ended, the Institute can provide an ideal base for ichthyologists in Southeast Asia.

List of Species

1. FAMILY HEXANCHIDAE—COW SHARKS
Notorynchus cepedianus (Péron)
2. FAMILY HETERODONTIDAE—HORN SHARKS
Heterodontus zebra (Gray)*
3. FAMILY ORECTOLOBIDAE—CAT and CARPET SHARKS
Chiloscyllium indicum (Gmelin)* *Ginglymostoma ferrugineum* (Lesson)
Orectolobus japonicus Regan *Stegostoma fasciatum* (Hermann)*
4. FAMILY RHINCODONTIDAE—WHALE SHARKS
Rhincodon typus (Smith)
5. FAMILY LAMNIDAE—MACKEREL SHARKS
Carcharodon carcharias (Linnaeus) *Isurus glaucus* (Müller and Henle)
6. FAMILY ALOPIIDAE—THRESHER SHARKS
Alopias vulpinus (Bonnaterre)
7. FAMILY CARCHARIIDAE—GRAY SHARKS
Carcharias tricuspidatus Day
8. FAMILY SCYLIIORHINIDAE—SWELL and CAT SHARKS
Atelomycterus marmoratus (Bennett)* *Calliscyllium venustum* Tanaka
Cephaloscyllium sufflans (Regan) *Cephaloscyllium umbratile* Jordan and Fowler*
Halaaelurus burgeri (Müller and Henle)
9. FAMILY CARCHARINIDAE—REQUIEM SHARKS
Aprionodon acutidens (Rüppell) *Carcharhinus amblyrhynchus* (Bleeker)
Carcharhinus dussumieri (Müller and Henle) *Carcharhinus gangeticus* (Müller and Henle)
Carcharhinus limbatus (Müller and Henle) *Carcharhinus melanopterus* (Quoy and Gaimard)
Carcharhinus menisorrhah (Müller and Henle)* *Carcharhinus obscurus* (Lesueur)
Carcharhinus sorrah (Müller and Henle) *Galeocerdo cuvieri* (Lesueur)
Hemipristis elongatus (Lunzinger) *Loxodon macrorhinus* (Müller and Henle)
Negogaleus microstoma (Bleeker) *Scoliodon laticaudus* Müller and Henle*
Scoliodon palasorrhah (Cuvier)
10. FAMILY TRIAKIDAE—SMOOTH DOGFISHES
Mustelus manazo Bleeker *Triaenodon obesus* (Rüppell)*
11. FAMILY SPHYRAENIDAE—HAMMERHEAD SHARKS
Sphyrna blochi (Cuvier)* *Sphyrna lewini* (Griffith)
Sphyrna mokarran (Rüppell) *Sphyrna zygaena* (Linnaeus)
12. FAMILY PRISTIDAE—SAWFISHES
Pristis cuspidatus Latham* *Pristis zijsron* Bleeker
Pristiopsis microdon (Latham)
13. FAMILY RHINOBATIDAE—GUITAR FISHES
Rhina ancylostoma Bloch and Schneider *Rhinobatos granulatus* Cuvier
Rhinobatos halavi (Forskål) *Rhinobatos thouin* (Lacépède)*
Rhynchobatus djiddensis (Forskål)
14. FAMILY RAJIDAE—SKATES
Raja meerdevoorti Bleeker

15. FAMILY DASYATIDAE—STINGRAYS

<i>Dasyatis bennetti</i> (Müller and Henle)	<i>Dasyatis bleekeri</i> (Blyth)
<i>Dasyatis favus</i> (Annandale)	<i>Dasyatis gruweli</i> (Chabanaud)
<i>Dasyatis imbricatus</i> (Bloch and Schneider)*	<i>Dasyatis kremffii</i> Chabanaud
<i>Dasyatis kuhli</i> (Müller and Henle)	<i>Dasyatis sephen</i> (Forskål)
<i>Dasyatis zugei</i> (Müller and Henle)*	<i>Gymnura japonica</i> (Temminck and Schlegel)
<i>Gymnura micrura</i> (Bloch and Schneider)	<i>Gymnura poecilura</i> (Shaw)*
<i>Gymnura zonura</i> (Bleeker)	<i>Himantura uarnak</i> (Forskål)*
<i>Taeniura lymna</i> (Forskål)*	<i>Urogymnus africanus</i> (Bloch and Schneider)

16. FAMILY PLATYRHINIDAE

Zanobatus schoenleini (Müller and Henle)

17. FAMILY MYLIOBATIDAE—EAGLE RAYS

<i>Aetobatus narinari</i> (Euphrasen)	<i>Aetomylaeus maculatus</i> (Gray)
<i>Aetomylaeus nichofi</i> (Bloch and Schneider)	<i>Rhinoptera javanica</i> Müller and Henle

18. FAMILY MOBULIDAE—MANTA RAYS

<i>Manta birostris</i> (Walbaum)	<i>Mobula diabolus</i> (Shaw)
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19. FAMILY TORPEDINIDAE—ELECTRIC RAYS

<i>Narcine lingula</i> (Richardson)	<i>Narcine maculata</i> (Shaw)*
<i>Narcine timlei</i> (Bloch and Schneider)*	<i>Narke dipterygia</i> (Bloch and Schneider)*
<i>Temera hardwicki</i> Gray	

20. FAMILY ELOPIDAE—TEN POUNDERS, GIANT HERRINGS

Elops machanata (Forskål)*

21. FAMILY MEGALOPIDAE—TARPONS

Megalops cyprinoides (Broussonet)*

22. FAMILY ALBULIDAE—LADY FISH, BONE FISH

Albula vulpes (Linnaeus)*

23. FAMILY ANGUILLIDAE—FRESHWATER EELS

<i>Anguilla elphinstonei</i> Sykes*	<i>Anguilla japonica</i> Temminck and Schlegel*
<i>Anguilla marmorata</i> Quoy and Gaimard*	<i>Anguilla pacifica</i> Schmitt

24. FAMILY MORINGUIDAE—WORMEELS

Moringua javanica (Kaup)*

25. FAMILY MURAENIDAE—MORAY EELS

<i>Echidna delicatula</i> (Kaup)	<i>Echidna nebulosa</i> (Ahl)*
<i>Echidna polyzona</i> (Richardson)	<i>Evenchelys macrurus</i> (Bleeker)*
<i>Gymnothorax favagineus</i> Bloch and Schneider*	<i>Gymnothorax meleagris</i> (Shaw)*
<i>Gymnothorax pescadoris</i> Jordan and Evermann	<i>Gymnothorax pictus</i> (Ahl)*
<i>Gymnothorax pikei</i> Bliss	<i>Gymnothorax punctatofasciatus</i> Bleeker*
<i>Gymnothorax reticularis</i> Bloch*	<i>Gymnothorax thrysoideus</i> (Richardson)*
<i>Gymnothorax undulatus</i> (Lacépède)*	

26. FAMILY MURAENESOCIDAE—FALSE CONGER EELS

<i>Muraenesox cinereus</i> (Forskål)*	<i>Muraenesox talabon</i> (Cantor)
<i>Muraenesox talabonoides</i> (Bleeker)	

27. FAMILY NEENCHELIDAE

Neenchelys buitendjiki Weber and De Beaufort*

28. FAMILY NETTASTOMIDAE—DEEP SEA EELS

Chlopsis fierasfer Jordan and Snyder*

29. FAMILY CONGRIDAE—CONGER EELS

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| <i>Ariosoma anago</i> (Temminck and Schlegel)* | <i>Bathymyrus simus</i> J.L.B. Smith |
| <i>Conger cinereus</i> Rüppell* | <i>Rhynchoconger ectenurus</i> (Jordan and Richardson)* |
| <i>Uroconger lepturus</i> (Richardson)* | |

30. FAMILY OPHICHTHYIDAE—SNAKE EELS

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| <i>Brachysomophys</i> sp. | <i>Caecula</i> sp. |
| <i>Ophichthys apicalis</i> (Bennett)* | <i>Ophichthys rutiodermatoides</i> (Bleeker)* |
| <i>Pisodonophis boro</i> (Hamilton-Buchanan)* | <i>Pisodonophis cancrivorous</i> (Richardson) |

31. FAMILY DYSOMMIDAE

- Dysomma anguillarum* Barnard*

32. FAMILY DOROSOMATIDAE—GIZZARD SHADS

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| <i>Anodontosoma chacunda</i> (Hamilton-Buchanan)* | <i>Anodontosoma maculatus</i> (Richardson)* |
| <i>Clupanodon punctatus</i> (Temminck and Schlegel)* | <i>Clupanodon thrissa</i> (Linnaeus) |
| <i>Nematolosa nasus</i> (Bloch)* | |

33. FAMILY DUSSUMIERIIDAE—ROUND HERRINGS

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| <i>Dussumeria acuta</i> Cuvier and Valenciennes | <i>Dussumeria hasselti</i> Bleeker* |
| <i>Spratelloides delicatulus</i> (Bennett)* | |

34. FAMILY CULPEIDAE—HERRINGS, SARDINES

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| <i>Alosa platygaster</i> (Günther) | <i>Clupeoides borneensis</i> Bleeker* |
| <i>Clupeoides lile</i> (Cuvier and Valenciennes)* | <i>Corica goniognathus</i> (Bleeker)* |
| <i>Corica soborna</i> Hamilton-Buchanan* | <i>Harengula ovalis</i> (Bennett)* |
| <i>Harengula schrammi</i> (Bleeker)* | <i>Ilisha amblyoptera</i> (Bleeker)* |
| <i>Ilisha brachysoma</i> (Bleeker)* | <i>Ilisha elongata</i> (Bennett)* |
| <i>Ilisha filigera</i> (Cuvier and Valenciennes) | <i>Ilisha indica</i> (Swainson)* |
| <i>Ilisha kampeni</i> (Weber and De Beaufort)* | <i>Ilisha leschenaulti</i> (Valenciennes)* |
| <i>Ilisha melastoma</i> (Cuvier)* | <i>Ilisha xanthoptera</i> (Bleeker) |
| <i>Macrura ilisha</i> (Hamilton-Buchanan)* | <i>Macrura kelee</i> (Cuvier)* |
| <i>Macrura macrura</i> (Bleeker) | <i>Macrura sinensis</i> (Linnaeus)* |
| <i>Macrura thibaudeani</i> (Durand)* | <i>Opisthopterus taradoore</i> (Cuvier)* |
| <i>Pellona ditchela</i> Cuvier and Valenciennes* | <i>Raconda russelliana</i> Gray* |
| <i>Sardinella albella</i> (Cuvier and Valenciennes)* | <i>Sardinella aurita</i> Cuvier and Valenciennes |
| <i>Sardinella clupeoides</i> (Bleeker)* | <i>Sardinella fimbriata</i> (Cuvier and Valenciennes)* |
| <i>Sardinella longiceps</i> Cuvier and Valenciennes | <i>Sardinella melanura</i> (Cuvier)* |
| <i>Sardinella perforata</i> (Cantor)* | <i>Sardinella sirm</i> (Walbaum) |

35. FAMILY ENGRAULIDAE—ANCHOVIES

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| <i>Coilia borneensis</i> Bleeker* | <i>Coilia dussumieri</i> Cuvier and Valenciennes |
| <i>Coilia grayi</i> Richardson* | <i>Coilia lindmanni</i> Bleeker* |
| <i>Coilia macrognathos</i> Bleeker* | <i>Coilia mystus</i> (Linnaeus) |
| <i>Coilia rebenitschi</i> Bleeker* | <i>Lycotrissa crocodilus</i> (Bleeker)* |
| <i>Setipinna breviceps</i> (Cantor)* | <i>Setipinna melanochir</i> (Bleeker)* |
| <i>Setipinna phasa</i> (Hamilton-Buchanan) | <i>Setipinna taty</i> (Cuvier and Valenciennes)* |
| <i>Stolephorus bataviensis</i> Hardenberg* | <i>Stolephorus commersoni</i> Lacépède* |
| <i>Stolephorus heterolobus</i> (Rüppell)* | <i>Stolephorus indicus</i> (Van Hasselt)* |
| <i>Stolephorus tri</i> (Bleeker) | <i>Stolephorus zollingeri</i> (Bleeker)* |
| <i>Thrissina baelama</i> (Forskål) | <i>Thrissocles dussumieri</i> (Cuvier and Valenciennes)* |
| <i>Thrissocles hamiltoni</i> (Gray)* | <i>Thrissocles kammalensis</i> (Bleeker) |
| <i>Thrissocles malabarica</i> (Bloch)* | <i>Thrissocles mystax</i> (Bloch and Schneider)* |
| <i>Thrissocles setirostris</i> (Broussonet) | |

36. FAMILY CHIROCENTRIDAE—WOLF HERRINGS
Chirocentrus dorab (Forskål)*
37. FAMILY OSTEOGLOSSIDAE—BONYTONGUES
Scleropages formosus (Müller and Schlegel)
38. FAMILY NOTOPTERIDAE—FEATHERBACKS
Notopterus chitala (Hamilton-Buchanan)* *Notopterus notopterus* (Pallas)*
39. FAMILY SALANGIDAE
Leucosoma chinensis (Osbeck)* *Protosalanx brevirostris* Pellegrin
Protosalanx hyalocranius (Abbott)*
40. FAMILY GONOSTOMATIDAE
Cyclothone sp.
41. FAMILY CHAULIODONTIDAE—FANG FISH
Chauliodus sloani Bloch and Schneider*
42. FAMILY SYNODONTIDAE—LIZARD FISH
Saurida gracilis (Quoy and Gaimard)* *Saurida tumbil* (Bloch)*
Synodus indicus (Day) *Synodus similis* McCulloch*
Synodus variegatus (Lacépède) *Trachinocephalus myops* (Bloch and Schneider)*
43. FAMILY HARPODONTIDAE
Harpodon nehereus (Hamilton-Buchanan)*
44. FAMILY MYCTOPHIDAE
Myctophum sp.
45. FAMILY ATELEPODIDAE—DEEP SEA ATELEPODS
Atelopus japonicus Bleeker*
46. FAMILY CHANIDAE—MILKFISH
Chanos chanos (Forskål)*
47. FAMILY CYPRINIDAE—CARP, GOLDFISH, BARBS, etc.
Acanthorhodeus taenianalis Günther* *Acanthorhodeus tonkinensis* Vaillant*
Acheilognathus intermedius (Temminck and Schlegel)* *Albulichthys albuloides* (Bleeker)*
Albulichthys kremphi Pellegrin and Chevey* *Amblyrhynchichthys truncatus* (Bleeker)*
Aristichthys nobilis (Richardson)* *Balatiocheilus melanopterus* (Bleeker)*
Barbichthys laevis (Cuvier and Valenciennes)* *Barbus deauratus* Cuvier and Valenciennes
Barbus douronensis Cuvier and Valenciennes* *Barbus kremphi* Pellegrin and Chevey*
Carassius auratus (Linnaeus)* *Catla catla* (Hamilton-Buchanan)
Catlocarpio siamensis Boulenger* *Chela hypophthalmus* Bleeker
Chela oxygaster (Cuvier and Valenciennes)* *Cirrhinus auratus* (Sauvage)*
Cirrhinus jullieni (Sauvage)* *Cirrhinus microlepis* (Sauvage)
Cirrhinus mrigala (Hamilton-Buchanan) *Cosmocheilus pellegrini* Durand*
Crossocheilus benasi Pellegrin and Chevey* *Crossocheilus elongatus* Pellegrin and Chevey*
Crossocheilus entmema (Fowler) *Crossocheilus latius* (Hamilton-Buchanan)
Crossocheilus oblongus (Cuvier and Valenciennes) *Crossocheilus reba* (Hamilton-Buchanan)
Ctenopharyngodon idellus (Cuvier and Valenciennes)* *Culter brevicauda* Günther*
Culter flavipinnis Tirant *Cyclocheilichthys apogon* (Cuvier and
Valenciennes)*
Cyclocheilichthys armatus (Cuvier and Valenciennes)* *Cyclocheilichthys enoploides* (Tirant)*
Cyclocheilichthys enoplos (Bleeker)* *Cyclocheilichthys iridescens* Nichols and Pope*
Cyclocheilichthys kontumensis Chevey* *Cyclocheilichthys lineatus* (Popta)*
Cyclocheilichthys mekongensis Fowler* *Cyclocheilichthys microstoma* Pellegrin and Chevey
Cyclocheilichthys repasson (Bleeker)* *Cyclocheilichthys rubrepinnis microcephala*
Pellegrin and Chevey

- Cyclocheilichthys siaja* (Bleeker)
Cyprinus carpio multitaeniata Pellegrin and Chevey*
Dangila cuvieri Cuvier and Valenciennes*
Danio albolineatus (Blyth)
Elopichthys bambusa (Richardson)*
Erythroculter pseudobrevicaudata Nichols and Pope*
Esomus danrica (Hamilton-Buchanan)*
Garra caudofasciata (Pellegrin and Chevey)*
Garra orientalis Nichols*
Gnathopogon atromaculatus Nichols and Pope
- Hemibarbus labeo* (Pallas)*
Hemiculter clupeioides Nichols*
Hemiculter kremphi Pellegrin and Chevey*
Hemiculter serracanthus Nichols and Pope*
Hypophthalmichthys molitrix (Cuvier and Valenciennes)*
Labeo collaris Nichols and Pope*
Labeo erythrura Fowler
Labeo pleurotaenia (Bleeker)
Labeo xanthogenys Pellegrin and Chevey*
Labiobarbus leptocheilus (Cuvier and Valenciennes)*
Labiobarbus siamensis (Sauvage)*
Leptobarbus melanotaenia Boulenger*
Leptobarbus tchangii Pellegrin and Chevey
Luciobrama longiceps Pellegrin
Luciosoma setigerum (Cuvier and Valenciennes)*
- Megalobrama affinis* (Vaillant)*
Megalobrama melrosei Nichols and Pope*
Mylopharyngodon aethiops (Basilewsky)*
Onychostoma laticeps Günther*
Onychostoma macracanthus Pellegrin and Chevey*
Opsarichthys elegans Pellegrin and Chevey*
Opsarichthys uncirostris (Temminck and Schlegel)
Osteochilus borneensis (Bleeker)
Osteochilus melanopleura (Bleeker)*
Osteochilus salsburyi Nichols and Pope*
Osteochilus simus (Sauvage)
Osteochilus spilura (Bleeker)
Osteochilus vittatus (Cuvier and Valenciennes)*
Oxygaster siamensis (Günther)*
Paralaubuca stigmabrachium (Fowler)*
Phoxinus lagowski Dybowski*
Pseudogyrinocheilus prochilus (Sauvage and de Thiersant)*
Puntioplites proctozyson (Bleeker)*
Puntius annamensis Pellegrin and Chevey
Puntius aurotaeniatus (Tirant)
Puntius bramoides (Cuvier and Valenciennes)*
Puntius bulu (Bleeker)*
Puntius elongatus (Seale)
- Cyprinus carpio* Linnaeus*
 (Hybrid) *Cyprinus carpio* × *Carassius auratus**
Dangila fasciata Bleeker
Danio rheinarti Tirant
Erythroculter erythropterus (Basilewsky)
Erythroculter recurviceps (Richardson)
Garra bourreti (Pellegrin)*
Garra gracilis (Pellegrin and Chevey)*
Garra poilanei Petit and Tchang
Hampala macrolepidota (Cuvier and Valenciennes)*
Hemiculter balnei (Sauvage)*
Hemiculter jabouillei Chevey*
Hemiculter leucisculus (Basilewsky)*
Hypophthalmichthys harmandi Sauvage*
Labeo chrysophekadion (Bleeker)*
Labeo erythropterus Cuvier and Valenciennes*
Labeo molitorella (Cuvier and Valenciennes)
Labeo pruol Tirant
Labeobarbus brevifilis Peters
Labiobarbus lineatus (Sauvage)
Labiobarbus spilopleura (H.M. Smith)*
Leptobarbus rubripinnis (Fowler)
Lobocheilus pierrei Sauvage
Luciobrama macrocephalus (Lacépède)*
Macrochirichthys macrochirus (Cuvier and Valenciennes)*
Megalobrama bramula (Cuvier and Valenciennes)
Megalobrama terminalis (Richardson)*
Ochetobius elongatus (Kner)*
Onychostoma leptura (Boulenger)*
Onychostoma ovalis Pellegrin and Chevey
Opsarichthys hainanensis Nichols and Pope
Osteochilus barbatula (Sauvage)
Osteochilus hasselti (Cuvier and Valenciennes)*
Osteochilus melanopterus Tirant
Osteochilus schlegeli (Bleeker)
Osteochilus spilopleura Fowler
Osteochilus triporus (Bleeker)
Oxygaster anomalurus Van Hasselt*
Parabramis bramula (Cuvier and Valenciennes)*
Paralaubuca typus Bleeker*
Probarbus jullieni Sauvage*
Pseudorasbora parva (Temminck and Schlegel)*
Puntius altus (Günther)*
Puntius aureus (Tirant)*
Puntius binotatus (Cuvier and Valenciennes)*
Puntius brevis (Bleeker)*
Puntius chola (Hamilton-Buchanan)*
Puntius hainanensis (Lohberger)*

- Puntius javanicus* (Bleeker)*
Puntius orphoides (Cuvier and Valenciennes)*
Puntius platysoma (Bleeker)
Rasbora argyrotaenia (Bleeker)
Rasbora daniconius (Hamilton-Buchanan)
Rasbora paviei Tirant
Rasborichthys helfrichi (Bleeker)
Sarcocheilichthys hainanensis Nichols and Pope*
Spinibarbus macracanthus Pellegrin and Chevey
Squaliobarbus annamiticus Tirant
Squaliobarbus curriculus (Richardson)*
Toxabramis houdemeri abbreviata Pellegrin
Tylognathus fowleri Pellegrin and Chevey

Varicorhinus dyocheilus (McClelland)*
Varicorhinus lemasoni Pellegrin and Chevey
Xenoeilichthys lofpei Durand*
Xenocypris nitidus Garman*
- Puntius laoensis* (Günther)
Puntius pierrei Sauvage
Puntius strigatus (Boulenger)
Rasbora aurotaenia Tirant
Rasbora lateristriata (Bleeker)
Rasbora reticulata Weber and De Beaufort
Rasborinus lineatus (Pellegrin)*
Spinibarbus denticulatus (Oshima)*
Spinibarbus nigrodorsalis Oshima*
Squaliobarbus caudalis Sauvage
Toxabramis houdemeri Pellegrin
Tylognathus falcifer (Cuvier and Valenciennes)*
Tylognathus hispidus (Cuvier and Valenciennes)
Varicorhinus graffeuilli Pellegrin and Chevey*
Varicorhinus tonkinensis Pellegrin and Chevey*
Xenocypris macrolepis Bleeker
Zacco temmincki (Temminck and Schlegel)*

48. FAMILY GYRINOCHEILIDAE

- Gyrinocheilus ayonieri* (Tirant) *Gyrinocheilus pennocki* (Fowler)*

49. FAMILY HOMALOPTERIDAE

- Sinogastromyzon tonkinensis* Pellegrin and Chevey *Swellia lineolata* (Cuvier and Valenciennes)*

50. FAMILY COBITIDAE—LOACHES

- Acanthopsis choirorhynchus* (Bleeker)*
Botia hymenophysa (Bleeker)*
Botia morleti Tirant
Misgurnus fossilis anguillicaudatus (Cantor)
Nemacheilus pulcher taeniata Pellegrin and Chevey

Nemacheilus spiloptera nasifilis Pellegrin

Barbatula toni fowleri Nichols*
Botia modesta Bleeker*
Cobitis taenia dolichorhynchus Nichols*
Misgurnus mizolepis Günther
Nemacheilus spiloptera (Cuvier and Valenciennes)

51. FAMILY BAGRIDAE—FRESHWATER CATFISH

- Bagroides macracanthus* Bleeker*
Heterobagrus bocourti Bleeker*
Leiocassis poecilopterus (Cuvier and Valenciennes)
Mystus chinensis (Steindachner)*
Mystus micracanthus (Bleeker)*
Mystus vittatus (Bloch)*
Mystus wycki (Bleeker)*
Pseudobagrus fulvidraco (Richardson)*
Pseudobagrus virgatus (Oshima)*
- Bagroides macropterus* Bleeker*
Leiocassis albicollaris Fowler*
Leiocassis siamensis Regan
Mystus gulio (Hamilton-Buchanan)*
Mystus nemurus (Cuvier and Valenciennes)*
Mystus wolffi (Bleeker)*
Pseudecheneis paviei Vaillant
Pseudobagrus intermedius Nichols and Pope*

52. FAMILY SILURIDAE—FRESHWATER CATFISH

- Callichrous bimaculatus* (Bleeker)*
Callichrous pabo (Hamilton-Buchanan)
Cryptopterus apogon (Bleeker)*

Cryptopterus cheveyi Durand*
Cryptopterus micronema (Bleeker)
Parasilurus asotus (Linnaeus)*
- Callichrous macrophthalmus* Blyth*
Cranoglanis sinensis Peters*
Cryptopterus bicirrhis (Cuvier and Valenciennes)*
Cryptopterus cryptopterus (Bleeker)*
Cryptopterus schilbeides (Bleeker)*
Parasilurus cochinchinensis (Cuvier and Valenciennes)

Penesilurus bokorensis Pellegrin and Chevey
Wallago attu (Bloch and Schneider)*

Silurodes hypophthalmus (Bleeker)*
Wallago leeri Bleeker

53. FAMILY SCHILBEIDAE—SCHILBEID CATFISHES

Helicophagus waandersi Bleeker*
Pangasius beani H.M. Smith
Pangasius larnaudi Bocourt*
Pangasius micronema Bleeker
Pangasius pangasius (Hamilton-Buchanan)*
Pangasius sutchi Fowler*
Pteropangasius cultratus (H.M. Smith)*

Pangasius altifrons Durand*
Pangasius dezwaani Weber and De Beaufort
Pangasius macronema Bleeker*
Pangasius nasutus (Bleeker)*
Pangasius polyuranodon Bleeker*
Pangasius taeniura Fowler*

54. FAMILY SISORIDAE

Amblyceps mangois (Hamilton-Buchanan)
Glyptosternon hainanensis Nichols and Pope

Bagarius bagarius (Hamilton-Buchanan)
Pareuchiloglanis potlanei Pellegrin

55. FAMILY CLARIIDAE—FRESHWATER CATFISH

Clarias batrachus (Linnaeus)*
Clarias fuscus (Lacépède)*
Claria nsieuhofi Cuvier and Valenciennes

Clarias dussumieri Cuvier and Valenciennes
Clarias melanoderma Bleeker

56. FAMILY ARIIDAE—SEA CATFISH

Arius caelatus Cuvier and Valenciennes*
Arius falcarius Richardson
Arius macronotacanthus Bleeker*
Arius microcephalus Bleeker*
Arius stormi (Bleeker)*
Arius truncatus Cuvier and Valenciennes*
Arius venosus Cuvier and Valenciennes*
Hemipimelodus borneensis (Bleeker)*
Hemipimelodus daugueti Chevey*
Hemipimelodus siamensis Sauvage*
Osteogeneiosus militaris (Linnaeus)

Arius cochinchinensis Günther
Arius leiotocephalus Bleeker*
Arius maculatus (Thunberg)*
Arius sagor (Hamilton-Buchanan)*
Arius thalassinus (Rüppell)*
Arius utik Bleeker*
Batracocephalus mimo (Hamilton-Buchanan)*
Hemipimelodus cochlearis Fowler*
Hemipimelodus macrocephalus Bleeker*
Ketengus typus Bleeker*

57. FAMILY PLOTOSIDAE—CATFISH EELS

Paraplotosus albilabris (Cuvier and Valenciennes)*
Plotosus canius Hamilton-Buchanan*

Plotosus anguillaris (Bloch)*

58. FAMILY BATRACHOIDIDAE—FROGFISH, TOADFISH

Haplophryne gangene (Hamilton-Buchanan)*

59. FAMILY LOPHIIDAE—MONKFISH, ANGLERFISH

Lophiomus setigerus (Vahl)*

60. FAMILY ANTENNARIIDAE—FISHING-FROGS

Antennarius hispidus (Bloch and Schneider)*
Histrio histrio (Linnaeus)*

Antennarius notophthalmus Bleeker*
Phrynelox striatus (Shaw)*

61. FAMILY OGOCEPHALIDAE—HANDFISH

Halieutaea stellata (Vahl)*

Malihopsis lutea Alcock*

62. FAMILY GADIDAE—CODFISH

Bregmaceros maclellandi Thompson*

63. FAMILY BROTULIDAE

Brotula maculata Day*
Neobythites macrops Günther*

Brotula multibarbis Temminck and Schlegel*

64. FAMILY CARAPIDAE—PEARL FISH

Carapus gracilis (Bleeker)

Carapus homei (Ricardson)

65. FAMILY EXOCOETIDAE—FLYING FISH

- | | |
|--|--|
| <i>Cypselurus altipennis</i> (Cuvier and Valenciennes)* | <i>Cypselurus articeps</i> (Günther)* |
| <i>Cypselurus atrisignis</i> Jenkins* | <i>Cypselurus bahiensis</i> (Ranzani)* |
| <i>Cypselurus brevis</i> (Weber and De Beaufort)* | <i>Cypselurus opisthopus</i> (Bleeker)* |
| <i>Cypselurus oxycephalus</i> (Bleeker)* | <i>Cypselurus poecilopterus</i> (Cuvier and Valenciennes)* |
| <i>Cypselurus spilopterus</i> (Cuvier and Valenciennes)* | <i>Evolantia micropterus</i> (Cuvier and Valenciennes)* |
| <i>Exocoetus volitans</i> Linnaeus | <i>Parexocoetus brachypterus</i> (Richardson) |

66. FAMILY BELONIDAE—GARFISH, NEEDLEFISH

- | | |
|--|---|
| <i>Ablennes hians</i> (Cuvier and Valenciennes) | <i>Strongylura incisa</i> (Cuvier and Valenciennes) |
| <i>Strongylura leiura</i> (Bleeker)* | <i>Strongylura strongylura</i> (Van Hasselt)* |
| <i>Tylosurus annamensis</i> (Chevey and Durand)* | <i>Tylosurus crocodilus</i> (Lesueur)* |
| <i>Tylosurus melanotus</i> (Bleeker)* | <i>Xenentodon cancilloides</i> (Bleeker)* |

67. FAMILY HEMIRAMPHIDAE—HALF BEAKS

- | | |
|---|---|
| <i>Vemiramphus dussumieri</i> Cuvier and Valenciennes* | <i>Hemiramphus far</i> (Forskål)* |
| <i>Vemiramphus gaimardi</i> Cuvier and Valenciennes* | <i>Hemiramphus georgi</i> Cuvier and Valenciennes |
| <i>Hemiramphus marginatus</i> (Forskål)* | <i>Hemiramphus quoyi</i> Cuvier and Valenciennes* |
| <i>Hemiramphus regularis</i> Günther | <i>Hemiramphus sinensis</i> Günther |
| <i>Hemiramphus xanthopterus</i> Cuvier and Valenciennes | <i>Zenarchopterus buffoni</i> (Cuvier and Valenciennes) |
| <i>Zenarchopterus dispar</i> (Cuvier and Valenciennes) | <i>Zenarchopterus ectuntio</i> (Hamilton-Buchanan)* |

68. FAMILY CYPRINODONTIDAE—KILLIFISHES

- | | |
|---|---|
| <i>Aplocheilus argyrotaenia</i> (Tirant) | <i>Aplocheilus celebensis</i> Weber |
| <i>Aplocheilus javanicus</i> Bleeker | <i>Aplocheilus timorensis</i> Weber and De Beaufort |
| <i>Cyprinodon calaritanus</i> (Bonelli) | <i>Oryzias latipes</i> (Temminck and Schlegel) |
| <i>Panchax panchax</i> (Hamilton-Buchanan)* | |

69. FAMILY ATHERINIDAE—SILVERSIDES

- | | |
|---|---|
| <i>Allanetta bleekeri</i> (Günther) | <i>Allanetta forskali</i> (Rüppell)* |
| <i>Allanetta valenciennesi</i> (Bleeker)* | <i>Pranesus duodecemalis</i> (Cuvier and Valenciennes)* |
| <i>Pranesus pinguis</i> (Lacépède) | <i>Stenatherina temmincki</i> (Bleeker) |

70. FAMILY TRACHICHTHYIDAE

- Trachichthodes* sp.*

71. FAMILY HOLOCENTRIDAE—SOLDIER FISH, SQUIRREL FISH

- | | |
|--|---|
| <i>Holocentrus caudimaculatus</i> Rüppell* | <i>Holocentrus cornutus</i> Bleeker* |
| <i>Holocentrus diadema</i> Lacépède* | <i>Holocentrus ruber</i> (Forskål)* |
| <i>Holocentrus sammara</i> (Forskål)* | <i>Myripristis hexagonus</i> (Lacépède)* |
| <i>Myripristis kaianus</i> Günther* | <i>Myripristis melanostictus</i> Bleeker* |
| <i>Myripristis murdjan</i> (Forskål) | <i>Myripristis pralinius</i> Cuvier and Valenciennes* |

72. FAMILY CAPROIDAE—BOAR FISH

- | | |
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| <i>Antigonia macrodon</i> (Lacépède)* | <i>Antigonia rubescens</i> (Günther)* |
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73. FAMILY VELIFERIDAE

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| <i>Velifer africanus</i> Smith* | <i>Velifer hypsilopterus</i> (Bleeker) |
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74. FAMILY AULOSTOMIDAE—CORNET FISH

- Aulostomus chinensis* (Linnaeus)

75. FAMILY FISTULARIIDAE—FLUTE MOUTHS, TRUMPET FISH

- | | |
|-------------------------------------|---------------------------------------|
| <i>Fistularia petimba</i> Lacépède* | <i>Fistularia villosa</i> Klunzinger* |
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76. FAMILY CENTRISCIDAE—RAZOR FISH

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| <i>Aeoliscus strigatus</i> (Günther)* | <i>Centriscus scutatus</i> Linnaeus* |
|---------------------------------------|--------------------------------------|
77. FAMILY SYNGNATHIDAE—PIPE FISH, SEA HORSES
- | | |
|---|---|
| <i>Bombonia spicifer</i> (Rüppell) | <i>Corythoichthys fasciatus</i> (Gray) |
| <i>Hippocampus borboniensis</i> Dumeril | <i>Hippocampus histrix</i> Kaup* |
| <i>Hippocampus kuda</i> Bleeker* | <i>Hippocampus takakurai</i> Tanaka* |
| <i>Hippocampus trimaculatus</i> Leach* | <i>Ichthyocampus carce</i> (Hamilton-Buchanan) |
| <i>Oostethus brachyurus</i> (Bleeker) | <i>Oostethus deokhatoides</i> (Bleeker) |
| <i>Syngnathoides biaculeatus</i> (Bloch)* | <i>Syngnathus cyanospilus</i> Bleeker |
| <i>Syngnathus schlegeli</i> Kaup* | <i>Trachyramphus serratus</i> (Temminck and Schlegel) |
| <i>Yozia bicoarctata</i> (Bleeker)* | <i>Yozia longirostris</i> (Kaup) |

78. FAMILY CHANNIDAE—SNAKE HEADS

- | | |
|-------------------------------------|--|
| <i>Channa asiatica</i> (Linnaeus)* | <i>Channa lucius</i> (Cuvier and Valenciennes)* |
| <i>Channa melanoptera</i> (Bleeker) | <i>Channa micropeltes</i> (Cuvier and Valenciennes)* |
| <i>Channa siamensis</i> (Günther)* | <i>Channa gachua</i> (Hamilton-Buchanan) |
| <i>Channa maculata</i> (Lacépède)* | <i>Channa striatus</i> (Bloch)* |

79. FAMILY FLUTIDAE—RICE FIELD EELS

- | | |
|----------------------------|--|
| <i>Fluta alba</i> (Zuiew)* | <i>Synbranchus bengalensis</i> (McClelland)* |
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80. FAMILY SCORPAENIDAE—SCORPION FISH

- | | |
|--|---|
| <i>Amblyapistus binotatus</i> Peters | <i>Amblyapistus macracanthus</i> (Bleeker)* |
| <i>Amblyapistus taenianotus</i> (Cuvier and Valenciennes)* | <i>Apistus carinatus</i> (Bloch and Schneider)* |
| <i>Brachirus zebra</i> (Quoy and Gaimard)* | <i>Brachypterois serrulifer</i> Fowler* |
| <i>Paracentropogon indicus</i> (Day)* | <i>Paracentropogon longispinis</i> (Cuvier and Valenciennes)* |
| <i>Paracentropogon profundus</i> J.L.B. Smith* | <i>Parascorpaena armata</i> (Sauvage)* |
| <i>Parascorpaena bandanensis</i> (Bleeker)* | <i>Parascorpaena picta</i> (Cuvier and Valenciennes) |
| <i>Pterois lunulata</i> Temminck and Schlegel* | <i>Pterois volitans</i> (Linnaeus)* |
| <i>Scorpaenodes guamensis</i> (Quoy and Gaimard)* | <i>Scorpaenopsis cirrhosa</i> (Thunberg)* |
| <i>Scorpaenopsis gibbosa</i> (Bloch and Schneider) | <i>Scorpaenopsis leonina</i> (Richardson) |
| <i>Sebastodes fuscescens</i> (Houttuyn)* | <i>Vespicula trachinoides</i> (Cuvier and Valenciennes) |

81. FAMILY TRIGLIDAE—GURNARDS

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| <i>Lepidotrigla guentheri</i> Hilgendorf | <i>Lepidotrigla microptera</i> Günther |
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82. FAMILY PERISTEDIIDAE

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| <i>Peristedion amiscus</i> Jordan and Starks* | <i>Satyrichthys clavilapis</i> Fowler |
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83. FAMILY SYNANCEJIDAE—STONEFISH

- | | |
|--|--|
| <i>Choridactylus multibarbis</i> Richardson | <i>Erosa erosa</i> (Langsdorf) |
| <i>Inimicus cuvieri</i> (Gray)* | <i>Inimicus didactylus</i> (Pallas)* |
| <i>Leptosynancea asteroblepa</i> (Richardson)* | <i>Minous monodactylus</i> (Bloch and Schneider)* |
| <i>Minous oxycephalus</i> Bleeker | <i>Minous trachycephalus</i> (Bleeker)* |
| <i>Peloropsis frondosus</i> (Günther)* | <i>Peloropsis uranoscopus</i> (Bloch and Schneider)* |
| <i>Synanceja horrida</i> (Linnaeus)* | |

84. FAMILY PLATYCEPHALIDAE—FLATHEADS

- | | |
|--|---|
| <i>Elates ransonneti</i> (Steindachner)* | <i>Rogadius asper</i> (Cuvier and Valenciennes)* |
| <i>Platycephalus indicus</i> (Linnaeus)* | <i>Thysanophrys carbunculus</i> (Cuvier and Valenciennes) |
| <i>Thysanophrys japonicus</i> (Tilesius) | <i>Thysanophrys pristiger</i> (Cuvier and Valenciennes)* |
| <i>Thysanophrys scaber</i> (Linnaeus)* | <i>Thysanophrys tuberculatus</i> (Cuvier and Valenciennes)* |

85. FAMILY DACTYLOPTERIDAE—FLYING GURANARDS

Dactyloptena orientalis (Cuvier and Valenciennes)*

86. FAMILY PEGASIDAE—DRAGON FISH

Pegasus draconis Linnaeus*Pegasus natans* Linnaeus**Pegasus volitans* Linnaeus

87. FAMILY AMBASSIDAE—GLASSY PERCHLETS

Ambassis commersoni Cuvier and Valenciennes*Ambassis gymnocephalus* (Lacépède)**Ambassis kopsi* Bleeker**Ambassis ranga* (Hamilton-Buchanan)**Ambassis thomassi* Day**Ambassis wolffi* Bleeker*

88. FAMILY SERRANIDAE—ROCK CODS, GROUPERS

Caprodon schlegeli (Günther)**Cephalopholis argus* Bloch and Schneider**Cephalopholis boenack* (Bloch)**Cephalopholis leopardus* (Lacépède)**Cephalopholis miniatus* (Forskål)**Cephalopholis pachycentron* (Cuvier and Valenciennes)**Cephalopholis rogae* (Forskål)**Cephalopholis sonnerati* (Cuvier and Valenciennes)*Cephalopholis urodelus* (Bloch and Schneider)*Chelidoperca margaritifera* Weber**Coreoperca whiteheadi* Boulenger**Cromileptes altivelis* (Cuvier and Valenciennes)**Diploprion bifasciatus* Cuvier and Valenciennes**Epinephelus akaara* (Temminck and Schlegel)*Epinephelus amblycephalus* (Bleeker)*Epinephelus areolatus* (Forskål)**Epinephelus awoara* (Temminck and Schlegel)**Epinephelus bleekeri* (Vaillant and Bocourt)**Epinephelus bontoides* (Bleeker)**Epinephelus chlorostigma* (Cuvier and Valenciennes)**Epinephelus cometae* Tanaka**Epinephelus corallicola* (Cuvier and Valenciennes)**Epinephelus diacanthus* (Cuvier and Valenciennes)**Epinephelus elongatus* Schultz**Epinephelus epistictus* (Temminck and Schlegel)*Epinephelus fario* (Thunberg)**Epinephelus fasciatomaculatus* (Peters)**Epinephelus fasciatus* (Forskål)**Epinephelus flavocaeruleus* (Lacépède)*Epinephelus fuscoguttatus* (Forskål)*Epinephelus bata* Katayama*Epinephelus hoedti* (Bleeker)**Epinephelus kohleri* Schultz*Epinephelus latifasciatus* (Temminck and Schlegel)*Epinephelus maculatus* (Bloch)*Epinephelus megachir* (Richardson)**Epinephelus merra* Bloch**Epinephelus morrhua* (Cuvier and Valenciennes)**Epinephelus nigropunctatus* Fourmanoir**Epinephelus punctatus* Fourmanoir**Epinephelus rhyncolepis* (Bleeker)**Epinephelus exfasciatus* (Cuvier and Valenciennes)**Epinephelus summana* (Forskål)**Epinephelus tauwina* (Forskål)**Epinephelus xanthopunctatus* Fourmanoir**Grammistes sexlineatus* (Thunberg)**Lateolabrax japonicus* (Cuvier and Valenciennes)**Lates calcarifer* (Bloch)**Plectropomus leopardus* (Lacépède)*Plectropomus maculatus* (Bloch)**Plectropomus truncatus* Fowler and Bean**Psammoperca waigiensis* (Cuvier and Valenciennes)**Pseudanthias elongatus* (Franz)**Siniperca chuatsi* Basilewsky**Siniperca kwangsiensis* Chong**Tosana niwai* Smith and Pope*Trisotrops dermatopterus* (Temminck and Schlegel)

89. FAMILY PSEUDOCROMIDAE—DOTTYBACKS

Dampiera melanotaenia (Bleeker)**Pseudochromis fuscus* Müller and Troschel*Pseudochromis tapeinosoma* Bleeker

90. FAMILY PLESIOPIDAE—ROUND-HEADS

Plesiops altivelis Steindachner *Plesiops nigricans* (Rüppell)*

91. FAMILY GLAUCOSOMIDAE

Glaucosoma burgeri Richardson*

92. FAMILY THERAPONIDAE—GRUNTERS, CROAKERS

Helotes sexlineatus (Quoy and Gaimard)* *Pelates quadrilineatus* (Bloch)
Therapon jarbua (Forskål)* *Therapon puta* Cuvier and Valenciennes*
Therapon theraps Cuvier and Valenciennes*

93. FAMILY BANJOSIDAE

Banjos banjos (Richardson)

94. FAMILY KUHLIDAE—FLAGTAILS

Kuhlia taeniura (Cuvier and Valenciennes)*

95. FAMILY CENTRARCHIDAE—FRESHWATER BASS

Micropterus dolomieu Lacépède (Introduced)

96. FAMILY PRIACANTHIDAE—BULLSEYES

Priacanthus cruentatus (Lacépède)* *Priacanthus macracanthus* Cuvier and Valenciennes*
Priacanthus tayenus Richardson* *Pseudopriacanthus niphonius* (Cuvier and Valenciennes)*

97. FAMILY APOGONIDAE—CARDINAL FISH

Apogon aureus (Lacépède)* *Apogon bandanensis* Bleeker*
Apogon chrysopomus Bleeker* *Apogon chrysotaenia* Bleeker*
Apogon compressus (Smith and Radcliffe)* *Apogon cyanosoma* Bleeker*
Apogon diencaeus (Smith and Radcliffe)* *Apogon doederleini* Jordan and Snyder*
Apogon enneastigma Rüppell *Apogon fasciatus* White*
Apogon frenatus Valenciennes* *Apogon fuscus* Quoy and Gaimard*
Apogon hartzfeldi Bleeker* *Apogon hyalosoma* Bleeker
Apogon lineatus Temminck and Schlegel* *Apogon marginatus* Döderlein
Apogon melas Bleeker* *Apogon moluccensis* Valenciennes*
Apogon nigripinnis Cuvier and Valenciennes* *Apogon novemfasciatus* Cuvier and Valenciennes*
Apogon quadrifasciatus Cuvier and Valenciennes *Apogon semilineatus* Temminck and Schlegel*
Apogon septemstriatus Günther* *Apogon trimaculatus* Cuvier and Valenciennes
Apogonichthys auritus (Cuvier and Valenciennes)* *Apogonichthys ellioti* Day*
Apogonichthys poecilopterus (Cuvier and Valenciennes)* *Archamia lineolata* (Cuvier and Valenciennes)*
Archamia zosteropora (Bleeker)* *Cheilodipterus macrodon* (Lacépède)*
Cheilodipterus quinquelineatus Cuvier and Valenciennes *Cheilodipterus singaporensis* Bleeker*
Jaydia hungi Fourmanoir* *Rhabdamia gracilis* (Bleeker)*

98. FAMILY ACROPOMATIDAE

Acropoma japonicum Günther*

99. FAMILY SILLAGINIDAE—WHITING

Sillago boutani Pellegrin *Sillago maculata* Quoy and Gaimard*
Sillago sihama (Forskål)*

100. FAMILY BRANCHIOSTEGIDAE—TILE FISH

Branchiostegus japonicus (Houttuyn)* *Branchiostegus sericeus* Herre
Branchiostegus tollardi (Chabanaud)* *Hoplolatilus fourmanoiri* J.L.B. Smith

101. FAMILY MALACANTHIDAE—FALSE WHITING

Malacanthus hoedti Bleeker*

102. FAMILY LACTARIIDAE—WHITEFISH

Lactarius lactarius (Bloch and Schneider)*

103. FAMILY RACHYCENTRIDAE—BLACK KINGFISH

Rachycentron canadus (Linnaeus)*

104. FAMILY ECHENEIDAE—SUCKERFISH, REMORAS

Echeneis naucrates Linnaeus**Remorina albescens* Temminck and Schlegel*

105. FAMILY CARANGIDAE—JACKS, HORSE MACKERELS

Alectis ciliaris (Bloch)**Alectis indicus* (Rüppell)**Atropus atropus* (Bloch and Schneider)**Atule djedaba* (Forskål)**Atule kalla* (Cuvier and Valenciennes)**Atule macrurus* Bleeker*Atule malam* (Bleeker)**Atule mate* (Cuvier and Valenciennes)**Caranx armatus* (Forskål)**Caranx chrysophrys* Cuvier and Valenciennes**Caranx ferdau* (Forskål)**Caranx fulvoguttatus* (Forskål)*Caranx ignobilis* (Forskål)*Caranx malabaricus* (Bloch and Schneider)**Caranx praeustus* Bennett**Chorinemus lysan* (Forskål)**Chorinemus sanctipetri* Cuvier and Valenciennes*Chorinemus tala* Cuvier and Valenciennes**Chorinemus tol* Cuvier and Valenciennes**Chorinemus toloparah* (Rüppell)**Decapterus lajang* Bleeker**Decapterus russelli* (Rüppell)**Elagatis bipinnulatus* (Quoy and Gaimard)**Gnathodon speciosus* (Forskål)**Megalaspis cordyla* (Linnaeus)**Selar boops* (Cuvier and Valenciennes)**Selar crumenophthalmus* (Bloch)**Selaroides leptolepis* (Cuvier and Valenciennes)**Seriola dumeril* (Risso)*Seriola purpurascens* Temminck and Schlegel*Trachinotus bailloni* (Lacépède)**Trachinotus blochi* (Lacépède)*Ulula mandibularis* (Macleay)**Uraspis helvola* (Bloch and Schneider)*Zonichthys nigrofasciatus* (Rüppell)*

106. FAMILY FORMIONIDAE

Formio niger (Bloch)

107. FAMILY CORYPHAENIDAE—DOLPHINS

Coryphaena hippurus Linnaeus*

108. FAMILY MENIDAE—MOONFISH

Mene maculata (Bloch and Schneider)*

109. FAMILY LEIOGNATHIDAE—PONY FISH

Gazza minuta (Bloch)**Leiognathus berbis* (Cuvier and Valenciennes)**Leiognathus brevisrostris* (Cuvier and Valenciennes)**Leiognathus equulus* (Forskål)**Leiognathus fasciatus* (Lacépède)**Leiognathus insidiator* (Bloch)**Leiognathus ruconius* (Hamilton-Buchanan)**Leiognathus splendens* (Cuvier)*

110. FAMILY INERMIIDAE—RED BAIT

Dipterygonotus gruweli Chabanaud**Dipterygonotus leucogrammicus* Bleeker*

111. FAMILY CAESIONIDAE

Caesio chryzozonus Cuvier and Valenciennes**Caesio coeruleaureus* Lacépède*Caesio cuning* (Bloch)*Caesio diagramma* Bleeker**Caesio lunaris* Cuvier and Valenciennes*Caesio pulcherriumus* Smith**Caesio xanthonotus* Bleeker*Mirolabrichthys tuka* Herre**Paracaesio xanthurus* (Bleeker)*Pinjalo pinjalo* Bleeker**Pterocaesio tile* (Cuvier and Valenciennes)

112. FAMILY LUTJANIDAE—SNAPPERS

Lutjanus argentimaculatus (Forskål)**Lutjanus biguttatus* (Cuvier and Valenciennes)**Lutjanus bohar* (Forskål)**Lutjanus chrysotaenia* (Bleeker)*

- Lutjanus decussatus* (Cuvier and Valenciennes)*
Lutjanus ehrenbegi (Peters)*
Lutjanus gibbus (Forskål)*
Lutjanus johni (Bloch)*
Lutjanus lemmiscatus (Cuvier and Valenciennes)
Lutjanus lutjanus Bloch*
Lutjanus monostigma (Cuvier and Valenciennes)*
Lutjanus rivulatus (Cuvier)*

Lutjanus russelli (Bleeker)*
Lutjanus sebae (Cuvier and Valenciennes)*
Lutjanus vaigiensis (Quoy and Gaimard)*
Macolor niger (Forskål)*

113. FAMILY ETELIDAE

- Aprion virescens* Cuvier and Valenciennes*
Pristipomoides filamentosus (Cuvier and Valenciennes)*
Pristipomoides typus Bleeker*

Etelis carbunculus (Cuvier and Valenciennes)*
Pristipomoides sieboldi (Bleeker)

114. FAMILY NEMIPTERIDAE—THREADFIN BREAM

- Nemipterus bleekeri* (Day)*
Nemipterus japonicus (Bloch)*
Nemipterus oveni (Bleeker)*
Nemipterus upenoides (Bleeker)*
Pentapodus nemurus (Bleeker)
Scolopsis bilineatus (Bloch)*

Scolopsis ciliatus (Lacépède)*
Scolopsis inermis (Temminck and Schlegel)*

Scolopsis monogramma (Cuvier and Valenciennes)*

Scolopsis taeniopterus (Cuvier and Valenciennes)*
Scolopsis xenochrous Günther*

Nemipterus hexodon (Quoy and Gaimard)*
Nemipterus nemurus (Bleeker)
Nemipterus tolu (Cuvier and Valenciennes)*
Nemipterus virgatus (Houttuyn)*
Pentapodus setosus (Cuvier and Valenciennes)
Scolopsis cancellatus (Cuvier and Valenciennes)*
Scolopsis dubiosus Weber*
Scolopsis margaritifera (Cuvier and Valenciennes)*
Scolopsis personatus (Cuvier and Valenciennes)
Scolopsis vosmeri (Bloch)*
Symphorus spilurus Günther*

115. FAMILY LOBOTIDAE—TRIPLE TAILS

- Datnioides quadrfasciatus* (Sebastianov)*
Lobotes surinamensis (Bloch)*

116. FAMILY GERRIDAE—SILVER BIDDIES

- Gerres abbreviatus* Bleeker*
Gerres filamentosus Cuvier*
Gerres macracanthus Bleeker*
Gerres oyena (Forskål)*
Pentaprion longimanus (Cantor)*

Gerres acinaces Bleeker*
Gerres lucidus Cuvier and Valenciennes
Gerres macrosoma Bleeker*
Gerres setifer Hamilton-Buchanan*

117. FAMILY POMADASIDAE—GRUNTERS

- Hapalogenys kishinouyei* Smith and Pope

Gaterin celebicus (Bleeker)*
Gaterin chrysotaenia (Bleeker)*
Gaterin lineatus (Cuvier and Valenciennes)*
Gaterin pictus (Thunberg)
Gaterin shotaf (Forskål)

Hapalogenys mucronatus (Eydoux and Souleyet)*
Gaterin chaetodontoides (Lacépède)*
Gaterin cinctus (Temminck and Schlegel)
Gaterin niger (Cuvier and Valenciennes)*
Gaterin punctatissimus (Playfair)
Pomadasy argenteus (Forskål)

Pomadasys argyreus (Cuvier and Valenciennes)**Pomadasys hasta* (Bloch)**Pomadasys auritus* (Cuvier and Valenciennes)*Pomadasys maculatus* (Bloch)*

118. FAMILY LETHRINIDAE—RUDDER FISH

Gnathodentex aurolineatus (Lacépède)*Lethrinus leutjanus* (Lacépède)**Lethrinus miniatus* (Bloch and Schneider)**Lethrinus ornatus* Cuvier and Valenciennes**Lethrinus reticulatus* Cuvier and Valenciennes*Monotaxis grandoculis* (Forskål)**Gymnocranius griseus* (Temminck and Schlegel)*Lethrinus mahsena* (Forskål)**Lethrinus nebulosus* (Forskål)**Lethrinus ramak* (Forskål)**Lethrinus rhodopterus* Bleeker*

119. FAMILY SPARIDAE—PORGIES, SEABREAMS

Acanthopagrus berda (Forskål)**Acanthopagrus latus* (Houttuyn)*Dentex spariformis* (Ogilby)**Pagrus major* (Temminck and Schlegel)**Sparus sarba* Forskål*Acanthopagrus cuvieri* (Day)**Argrops spinifer* (Forskål)**Dentex tumifrons* (Temminck and Schlegel)**Sparus rubropterus* (Tirant)

120. FAMILY SCIAENIDAE—DRUMS

Johnius belengeri (Cuvier and Valenciennes)**Johnius cujus* (Hamilton-Buchanan)*Johnius ophiceps* (Alcock)**Otolithes argenteus* (Cuvier and Valenciennes)**Otolithes ruber* (Bloch and Schneider)**Otolithoides microdon* (Bleeker)*Pseudosciaena amblyceps* Bleeker*Pseudosciaena axillaris* (Cuvier and Valenciennes)**Pseudosciaena coibor* (Hamilton-Buchanan)*Pseudosciaena goldmanni* (Bleeker)*Pseudosciaena sina* (Cuvier and Valenciennes)**Sciaena russelli* (Cuvier and Valenciennes)*Johnius carutta* Bloch**Johnius dussumieri* (Cuvier and Valenciennes)**Johnius trachycephalus* (Bleeker)**Otolithes maculatus* (Cuvier and Valenciennes)**Otolithoides biauritus* (Cantor)**Pama pama* (Hamilton-Buchanan)*Pseudosciaena aneus* (Bloch)**Pseudosciaena birtwistlei* (Fowler)**Pseudosciaena diacanthus* (Lacépède)**Pseudosciaena polykladiskos* (Bleeker)**Pseudosciaena soldado* (Lacépède)*

121. FAMILY MULLIDAE—RED MULLET, GOATFISH

Mulloidichthys auriflamma (Forskål)**Mulloidichthys vanicolensis* (Cuvier and Valenciennes)*Parupeneus barberinoides* (Bleeker)**Parupeneus bifasciatus* (Lacépède)**Parupeneus chrysopleuron* (Temminck and Schlegel)**Parupeneus indicus* (Shaw)**Parupeneus pleurospilus* (Bleeker)**Parupeneus porphyreus* (Jenkins)*Upeneus bensasi* (Temminck and Schlegel)*Upeneus moluccensis* (Bleeker)**Upeneus sundaicus* (Bleeker)*Upeneus vittatus* (Forskål)*Mulloidichthys samoensis* (Günther)**Parupeneus aurantius* Fourmanoir**Parupeneus barberinus* (Lacépède)**Parupeneus chryserydros* (Lacépède)**Parupeneus dispilurus* (Playfair)**Parupeneus malabaricus* (Cuvier and Valenciennes)**Parupeneus pleurostigma* (Bennett)**Parupeneus trifasciatus* (Lacépède)**Upeneus luzonius* Jordan and Seale*Upeneus sulphureus* Cuvier and Valenciennes**Upeneus tragula* Richardson*

122. FAMILY MONODACTYLIDAE—SILVER BATFISH

Monodactylus argenteus (Linnaeus)**Monodactylus falciformis* Lacépède*

123. FAMILY PEMIPHERIDAE—SWEEPERS

Parapriacanthus uvini (Ogilby)**Pempheris oualensis* Cuvier and Valenciennes**Pempheris moluca* Cuvier and Valenciennes*Pempheris vanicolensis* Cuvier and Valenciennes*

124. FAMILY TOXOTIDAE—ARCHER FISH

- Toxotes chatareus* (Hamilton-Buchanan)* *Toxotes jaculator* (Pallas)*
Toxotes microlepis Günther*

125. FAMILY KHYPHOSIDAE—SEA CHUBS, RUDDERFISH

- Khyphosus cinerascens* (Forskål) *Khyphosus lembus* (Cuvier and Valenciennes)

126. FAMILY GIRELLIDAE

- Protheracanthus sarissophorus* (Cantor)*

127. FAMILY EPHIPPIDAE—SPADEFISH

- Ephippus orbis* (Bloch)*

128. FAMILY PLATACIDAE—BATFISH

- Platax orbicularis* (Forskål)*

129. FAMILY DREPANIDAE—SICKLE FISH

- Drepane punctata* (Linnaeus)*

130. FAMILY SCATOPHAGIDAE—BUTTERFISH

- Scatophagus argus* (Linnaeus)*

131. FAMILY CHAETODONTIDAE—BUTTERFLY FISH

- | | |
|--|---|
| <i>Apolemichthys trimaculatus</i> (Cuvier and Valenciennes) | <i>Centropyge tibicen</i> (Cuvier and Valenciennes)* |
| <i>Centropyge vroliki</i> (Bleeker)* | <i>Chaetodon auriga</i> Forskål* |
| <i>Chaetodon bellamaris</i> Seale* | <i>Chaetodon bennetti</i> Cuvier and Valenciennes* |
| <i>Chaetodon chrysurus</i> Desjardins* | <i>Chaetodon citrinellus</i> Cuvier and Valenciennes* |
| <i>Chaetodon collare</i> Bloch* | <i>Chaetodon lineolatus</i> Cuvier and Valenciennes* |
| <i>Chaetodon melanotus</i> Bloch and Schneider | <i>Chaetodon mertensi</i> Cuvier and Valenciennes* |
| <i>Chaetodon octofasciatus</i> Bloch* | <i>Chaetodon ornatissimus</i> Cuvier and Valenciennes* |
| <i>Chaetodon punctatofasciatus</i> Cuvier and Valenciennes* | <i>Chaetodon speculum</i> Cuvier and Valenciennes |
| <i>Chaetodon strigangulus</i> Gmelin | <i>Chaetodon triangulum</i> Cuvier and Valenciennes* |
| <i>Chaetodon trifasciatus</i> Mungo Park | <i>Chaetodon unimaculatus</i> Bloch* |
| <i>Chaetodon vagabundus</i> Linnaeus* | <i>Chaetodon zanzibarensis</i> Playfair* |
| <i>Chaetodontoplus mesoleucus</i> (Bloch)* | <i>Chaetodontoplus septentrionalis</i> (Temminck and Schlegel)* |
| <i>Chelmon rostratus</i> (Linnaeus)* | <i>Coradion altivelis</i> McCulloch* |
| <i>Coradion chrysozonus</i> (Cuvier and Valenciennes)* | <i>Euxiphipops sexstriatus</i> (Cuvier and Valenciennes) |
| <i>Forcipiger longirostris</i> (Broussonet) | <i>Genicanthus lamarcki</i> (Lacépède) |
| <i>Heniochus acuminatus</i> (Linnaeus)* | <i>Heniochus monoceros</i> Cuvier and Valenciennes* |
| <i>Heniochus permutatus</i> Cuvier and Valenciennes* | <i>Parachaetodon ocellatus</i> (Cuvier and Valenciennes)* |
| <i>Pomacanthodes annularis</i> (Bloch)* | <i>Pomacanthodes imperator</i> (Bloch)* |
| <i>Pomacanthodes semicirculatus</i> (Cuvier and Valenciennes)* | <i>Pygoplites diacanthus</i> (Boddaert) |

132. FAMILY NANDIDAE—LEAF FISH

- Nandus nebulosus* (Gray)* *Pristolepis fasciatus* (Bleeker)*

133. FAMILY CICHLIDAE—CICHLIDS

- Tilapia mossambica* (Peters)

134. FAMILY POMACENTRIDAE—CORAL REEF FISH, DEMOISELLES

- Abudefduf aureus* (Cuvier and Valenciennes) *Abudefduf bankieri* (Richardson)*
Abudefduf bengalensis (Bloch)* *Abudefduf coelestinus* (Cuvier and Valenciennes)*

- Abudefduf curacao* (Bloch)*
Abudefduf filifer (Weber)*
Abudefduf leucogaster (Bleeker)
Abudefduf vaigiensis (Quoy and Gaimard)*
Amphiprion ephippium (Bloch)*
Amphiprion polymnus (Linnaeus)*
Chromis bitaeniatus Fowler and Bean*
Chromis dimidiatus (Klunzinger)*
Chromis weberi Fowler and Bean*
Chromis xanthurus (Bleeker)*
Chrysiptera cyanea (Quoy and Gaimard)*
Chrysiptera xanthonota (Bleeker)*
Dascyllus marginatus Rüppell*
Daya jerdoni (Day)*
Pomacentrus coelestis Jordan and Starks
Pomacentrus fasciatus Cuvier and Valenciennes

Pomacentrus moluccensis Bleeker*
Pomacentrus nigromanus Weber*

Pomacentrus prosopotaenia Bleeker*
Pomacentrus sulphureus Klunzinger
Pomacentrus tripunctatus Cuvier and Valenciennes
Pomacentrus violascens (Bleeker)*

135. FAMILY CIRRHITIDAE—CURLYFINS

- Cirrhichthys aureus* (Temminck and Schlegel)*
Cyprinocirrhites polyactis (Bleeker)*
Cirrhitis pinnulatus (Bloch and Schneider)*

136. FAMILY CEPOLIDAE—SNAKEFISHES

- Acanthocephala abbreviata* (Cuvier and Valenciennes)*
Acanthocephala krusenstermi (Schlegel)
Acanthocephala cuneata Smith*
Acanthocephala mesoprion (Bleeker)

137. FAMILY MUGILIDAE—GRAY MULLET

- Crenimugil crenilabis* (Forskål)*
Liza ceylonensis (Günther)*
Liza macrolepis (Smith)*
Liza oligolepis (Bleeker)*
Liza seheli (Forskål)*
Mugil affinis Günther*
Mugil cephalus Linnaeus*
Mugil dussumieri Cuvier and Valenciennes*
Mugil longimanus Günther*
Mugil speigleri Bleeker*
Mugil tade Forskål*

Liza caeruleomaculatus (Lacépède)*
Liza heterochilus (Bleeker)*
Liza melinoptera (Cuvier and Valenciennes)*
Liza olivaceus (Day)
Liza vaigiensis (Quoy and Gaimard)*
Mugil borneensis Bleeker*
Mugil cummesius Cuvier and Valenciennes
Mugil kelaarti Günther
Mugil planiceps Cuvier and Valenciennes
Mugil strongylocephalus Richardson

138. FAMILY SPHYRAENIDAE—BARRACUDA

- Sphyraena acutipinnis* Day*
Sphyraena brachygnathus Bleeker*
Sphyraena fosteri Cuvier and Valenciennes
Sphyraena langsar Bleeker*

Sphyraena barracuda (Walbaum)*
Sphyraena chrysotaenia Klunzinger*
Sphyraena jello Cuvier and Valenciennes*
Sphyraena obtusata Cuvier and Valenciennes*

139. FAMILY POLYNEMIDAE—TASSEL FISH

- Eleutheronema tetradactylum* (Shaw)*
Polydactylus indicus (Shaw)*

Polydactylus borneensis (Bleeker)*
Polydactylus longipectoralis (Weber and De Beaufort)*

Polydactylus plebejus (Broussonet)*
Polynemus paradiscus Linnaeus*

Polydactylus sextarius Bloch and Schneider*

140. FAMILY LABRIDAE—WRASSES

Anampses caeruleopunctatus Rüppell*
Anampses geographicus Cuvier and Valenciennes*
Cheilinus diagramma (Lacépède)*
Cheilinus oxycephalus Bleeker*
Cheilinus trilobatus Lacépède*
Cheilo inermis (Forskål)*
Choerodon schoenleini (Cuvier and Valenciennes)*
Coris gaimardi (Quoy and Gaimard)*
Duymaeria flagellifera (Cuvier and Valenciennes)
Gomphosus tricolor Quoy and Gaimard*
Halichoeres argus (Bloch and Schneider)
Halichoeres centriquadrus (Lacépède)*
Halichoeres hoeveni (Bleeker)*
Halichoeres javanicus (Bleeker)*
Halichoeres leucurus (Walbaum)*

Halichoeres marginatus Rüppell*
Halichoeres miniatus (Cuvier and Valenciennes)

Halichoeres nigrescens (Bloch and Schneider)
Halichoeres trimaculatus (Quoy and Gaimard)*
Hemigymnus melapterus (Bloch)*
Hemipteronotus margaritatus Fourmanoir*
Hemipteronotus verrens Jordan and Evermann*
Iniistius dea (Temminck and Schlegel)*
Labroides dimidiatus (Cuvier and Valenciennes)*
Lepidaplois axillaris (Bennett)
Lepidaplois diana (Lacépède)*
Lepidaplois mesothorax (Bloch and Schneider)*
Novaculichthys taeniourus (Lacépède)*
Pseudolabrus gracilis (Steindachner)
Stethojulis interrupta (Bleeker)*
Stethojulis renardi (Bleeker)*
Thalassoma hardwicki (Bennett)*
Thalassoma lunare (Linnaeus)*
Thalassoma melanochir (Bleeker)
Xiphocheilus typus Bleeker*

Anampses diadematus Rüppell
Cheilinus chlorurus (Bloch)
Cheilinus fasciatus (Bloch)*
Cheilinus rhodochrous Günther*
Cheilinus undulatus Rüppell
Choerodon azurio (Jordan and Snyder)*
Cirrillabrus temmincki Bleeker*
Coris variegata (Rüppell)*
Epibulus insidiator (Pallas)*
Gomphosus varius Lacépède*
Halichoeres bimaculatus Rüppell*
Halichoeres cyanopleura (Bleeker)*
Halichoeres hyrtli (Bleeker)*
Halichoeres leparensis (Bleeker)*
Halichoeres margaritaceus (Cuvier and Valenciennes)

Halichoeres melanochir Fowler and Bean*
Halichoeres nebulosus (Cuvier and Valenciennes)*
Halichoeres prosopoeion (Bleeker)*
Hemigymnus fasciatus (Bloch)*
Hemipteronotus maculosus Fourmanoir*
Hemipteronotus pentadactylus (Linnaeus)*
Hologymnosus semidiscus (Lacépède)*
Iniistius pavo (Cuvier and Valenciennes)*
Labroides lineatus Fourmanoir*
Lepidaplois bilunulatus (Lacépède)*
Lepidaplois hirsutus (Lacépède)
Lepidaplois repditio (Quoy and Gaimard)
Pseudocheilinus hexataenia (Bleeker)*
Stethojulis axillaris (Quoy and Gaimard)*
Stethojulis kalasoma (Bleeker)
Thalassoma guentheri (Bleeker)*
Thalassoma janseni (Bleeker)*
Thalassoma lutescens (Lay and Bennett)*
Verreo oxycephalus (Bleeker)

141. FAMILY SCARIDAE—PARROT FISH

Calotomus spinidens (Quoy and Gaimard)
Leptoscarus vaigiensis (Quoy and Gaimard)*
Scarus blochi Cuvier and Valenciennes*
Scarus dimidiatus Bleeker*
Scarus fasciatus Cuvier and Valenciennes*
Scarus fosteri Cuvier and Valenciennes*
Scarus ghobban Forskål*
Scarus janthochir Bleeker*
Scarus microrhinos Bleeker*
Scarus oedema (Snyder)*

Chlorurus gibbus (Rüppell)
Scarops rubroviolaceus (Bleeker)
Scarus bowersi (Snyder)*
Scarus dubius Bennett*
Scarus formosus Cuvier and Valenciennes*
Scarus frenatus Lacépède*
Scarus harid Forskål*
Scarus lepidus Jenyns*
Scarus niger Forskål*
Scarus oviceps Cuvier and Valenciennes*

<i>Scarus randalli</i> Schultz*	<i>Scarus rhodropterus</i> (Bleeker)*
<i>Scarus scaber</i> Cuvier and Valenciennes*	<i>Scarus schlegeli</i> (Bleeker)*
<i>Scarus singaporensis</i> Bleeker*	<i>Scarus sordidus</i> Forskål*
<i>Scarus urbanus</i> (J.L.B. Smith)*	<i>Scarus venosus</i> Cuvier and Valenciennes*
<i>Sparisoma viridis</i> (Bonnaterre)*	

142. FAMILY OPISTHOGNATHIDAE—JAW FISH

<i>Gnathypops evermanni</i> Jordan and Snyder	<i>Gnathypops rosenbergi</i> (Bleeker)*
<i>Opisthognathus castelnaui</i> Bleeker*	<i>Opisthognathus nigromarginatus</i> Rüppell*

143. FAMILY MUGILOIDIDAE—GRUB FISH

<i>Parapercis aurantiaca</i> Döderlein	<i>Parapercis clathrata</i> Ogilby*
<i>Parapercis elongata</i> Fourmanoir*	<i>Parapercis filamentosa</i> (Steindachner)*
<i>Parapercis hexophthalma</i> (Cuvier and Valenciennes)*	<i>Parapercis pulchella</i> (Temminck and Schlegel)*

Parapercis xanthozona (Bleeker)

144. FAMILY URANOSCOPIDAE—STAR GAZERS

<i>Uranoscopus bicinctus</i> (Temminck and Schlegel)	<i>Uranoscopus guttatus</i> Cuvier and Valenciennes*
<i>Uranoscopus kaianus</i> Günther*	<i>Uranoscopus japonicus</i> Houttuyn
<i>Uranoscopus oligolepis</i> Bleeker	

145. FAMILY CHAMPSODONTIDAE

Champsodon vorax Günther*

146. FAMILY BLENNIDAE—BLENNIES

<i>Andamia heteroptera</i> (Bleeker)*	<i>Cirripectis variolosus</i> (Cuvier and Valenciennes)*
<i>Entomacrodus decussatus</i> (Bleeker)	<i>Entomacrodus striatus</i> (Quoy and Gaimard)*
<i>Petroscirtes annamensis</i> Chabanaud	<i>Petroscirtes grammistes</i> (Cuvier and Valenciennes)
<i>Petroscirtes mitratus</i> Rüppell*	<i>Petroscirtes rhinorhynchus</i> Bleeker*
<i>Petroscirtes variabilis</i> Cantor	<i>Plagiotremus spilistius</i> Gill
<i>Salaria bilitonensis</i> Bleeker	<i>Salaria dussumieri</i> Cuvier and Valenciennes*
<i>Salaria edentulus</i> (Bloch and Schneider)	<i>Salaria fasciatus</i> (Bloch)
<i>Salaria frenatus</i> (Cuvier and Valenciennes)*	<i>Xiphasia setifer</i> Swainson*

147. FAMILY CONGROGADIDAE

Congrogadus nebulatus (Bleeker)*

148. FAMILY CALLIONYMIDAE—DRAGONETS

<i>Callionymus japonicus</i> Houttuyn	<i>Callionymus sagitta</i> Pallas*
<i>Dactylopus dactylopus</i> (Cuvier and Valenciennes)*	

149. FAMILY GOBIIDAE—GOBIES

<i>Acentrogobius balteatus</i> (Herre)	<i>Acentrogobius bellissimus</i> J.L.B. Smith*
<i>Acentrogobius caninus</i> (Cuvier and Valenciennes)*	<i>Acentrogobius ornatus</i> (Rüppell)*
<i>Acentrogobius reichei</i> (Bleeker)*	<i>Amblygobius bynoensis</i> (Richardson)
<i>Amblygobius sphynx</i> (Cuvier and Valenciennes)*	<i>Bathygobius fuscus</i> (Rüppell)*
<i>Boleophthalmus pectinirostris</i> (Linnaeus)	<i>Cryptocentrus filifer</i> (Cuvier and Valenciennes)*
<i>Ctenogobius criniger</i> (Cuvier and Valenciennes)*	<i>Ctenogobius zonalternans</i> (Day)
<i>Glossogobius biocellatus</i> (Cuvier and Valenciennes)	<i>Gnatholepis calliurus</i> Jordan and Seale*
<i>Gobiodon erythropsilus</i> Bleeker*	<i>Gobiodon quiquestrigatus</i> (Cuvier and Valenciennes)*
<i>Gobius philippi</i> Tirant	<i>Lubricogobius ornatus</i> Fourmanoir*
<i>Oligolepis acutipennis</i> (Cuvier and Valenciennes)	<i>Oplopomus caninoides</i> (Bleeker)*
<i>Oplopomus oplopomus</i> (Cuvier and Valenciennes)*	<i>Oxyurichthys microlepis</i> (Bleeker)

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| <i>Oxyurichthys tentacularis</i> (Cuvier and Valenciennes) | <i>Parachaeturichthys polynema</i> (Bleeker)* |
| <i>Paragobiodon echinocephalus</i> (Rüppell)* | <i>Periophthalmodon schlosseri</i> (Pallas)* |
| <i>Periophthalmus barbarus</i> (Linnaeus) | <i>Pleurosicya</i> sp.* |
| <i>Pseudapocryptes lanceolatus</i> (Bloch and Schneider)* | <i>Sicyodon albus</i> Fourmanoir |
| <i>Waitea duque</i> (J.L.B. Smith)* | |

150. FAMILY ELEOTRIDAE—SLEEPERS

- | | |
|--|--|
| <i>Bostrichthys sinensis</i> (Lacépède)* | <i>Butis butis</i> (Hamilton-Buchanan)* |
| <i>Butis melanostigma</i> (Bleeker)* | <i>Eleotriodes strigatus</i> (Broussonet)* |
| <i>Eleotriodes wardi</i> (Playfair)* | <i>Eleotris fusca</i> (Bloch and Schneider) |
| <i>Eleotris melanosoma</i> Bleeker* | <i>Eleotris oxycephala</i> Temminck and Schlegel* |
| <i>Eviota distigma</i> Jordan and Seale* | <i>Odontobutis obscura</i> (Temminck and Schlegel) |
| <i>Oxyeleotris marmorata</i> (Bleeker)* | <i>Oxymetopon filamentosum</i> Fourmanoir* |
| <i>Oxymetopon formosum</i> Fourmanoir* | <i>Oxymetopon typus</i> Bleeker* |
| <i>Philypnus chalmersi</i> Nichols and Pope* | <i>Prionobutis koilomatodon</i> (Bleeker)* |

151. FAMILY TAENIOIDIDAE—RIBBON GOBIES

- | | |
|---|--|
| <i>Brachyamblyopus brachysoma</i> (Bleeker) | <i>Centrotrypauchen microcephalus</i> (Bleeker) |
| <i>Taeniodes cirratus</i> (Blyth)* | <i>Taeniodes gracilis</i> (Cuvier and Valenciennes)* |
| <i>Trypauchen vagina</i> Bloch and Schneider* | |

152. FAMILY ACANTHURIDAE—SURGEON FISH

- | | |
|---|---|
| <i>Acanthurus elongatus</i> (Lacépède)* | <i>Acanthurus lineolatus</i> Cuvier and Valenciennes* |
| <i>Acanthurus matoides</i> Cuvier and Valenciennes* | <i>Acanthurus nigricans</i> (Linnaeus)* |
| <i>Acanthurus olivaceus</i> Bloch and Schneider* | <i>Acanthurus triostegus</i> (Linnaeus)* |
| <i>Acanthurus weberi</i> (Ahl)* | <i>Ctenochaetus binotatus</i> Randall |
| <i>Ctenochaetus striatus</i> (Quoy and Gaimard)* | <i>Ctenochaetus strigosus</i> (Bennett)* |
| <i>Naso brevirostris</i> (Cuvier and Valenciennes)* | <i>Naso lituratus</i> (Bloch and Schneider)* |
| <i>Naso thynnoides</i> (Cuvier and Valenciennes) | <i>Naso unicornis</i> (Forskål)* |
| <i>Zebrasoma flavescens</i> (Bennett)* | <i>Zebrasoma veliferum</i> (Bloch)* |
| <i>Zebrasoma xanthurus</i> (Blyth)* | |

153. FAMILY ZANCLIDAE—MOORISH IDOLS

- Zanclus cornutus* (Linnaeus)*

154. FAMILY SIGANIDAE—RABBITFISH

- | | |
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| <i>Siganus canaliculatus</i> (Park) | <i>Siganus concatenatus</i> (Cuvier and Valenciennes)* |
| <i>Siganus corallinus</i> (Cuvier and Valenciennes)* | <i>Siganus guttatus</i> (Bloch) |
| <i>Siganus javus</i> (Linnaeus)* | <i>Siganus oramin</i> (Bloch and Schneider)* |
| <i>Siganus rostratus</i> (Cuvier and Valenciennes) | <i>Siganus stellatus</i> (Forskål)* |
| <i>Siganus virgatus</i> (Cuvier and Valenciennes)* | |

155. FAMILY TRICHIURIDAE—CUTLASS FISH

- | | |
|--------------------------------------|--------------------------------|
| <i>Trichiurus haumela</i> (Forskål)* | <i>Trichiurus muticus</i> Gray |
| <i>Trichiurus savala</i> Cuvier* | |

156. FAMILY SCOMBRIDAE—MACKERELS, TUNAS

- | | |
|---|---|
| <i>Acanthocybium solandri</i> (Cuvier and Valenciennes) | <i>Auxis thazard</i> (Lacépède) |
| <i>Euthynnus affinis</i> (Cantor)* | <i>Grammatorcynus bicarinatus</i> (Quoy and Gaimard)* |
| <i>Gymnosarda unicolor</i> (Rüppell)* | <i>Katsuwonus pelamis</i> (Linnaeus) |
| <i>Pelamys</i> sp. | <i>Rastrelliger brachysoma</i> (Bleeker)* |
| <i>Rastrelliger kanagurta</i> (Cuvier)* | <i>Sarda orientalis</i> (Temminck and Schlegel) |
| <i>Scomber japonicus</i> Houttuyn* | <i>Scomberomorus cambodgiense</i> (Durand)* |

- Scomberomorus commersoni* (Lacépède)*
Scomberomorus kuhli (Cuvier and Valenciennes)
Scomberomorus sinensis (Lacépède)*
Thunnus obesus (Lowe)*
Thunnus thynnus (Linnaeus)
- Scomberomorus guttatus* (Bloch and Schneider)*
Scomberomorus lineolatus (Cuvier and Valenciennes)*
Thunnus albacares (Bonnaterre)
Thunnus tonggol (Bleeker)
157. FAMILY ISTIOPHORIDAE—SAILFISH, MARLINS
Istiophorus gladius (Broussonet)
Makaira nigricans Lacépède
- Istiompax indicus* (Cuvier and Valenciennes)
Tetrapturus sp.
158. FAMILY NOMEIDAE
Psenes indicus (Day)*
159. FAMILY STROMATEIDAE—POMFRETS
Pampus argenteus (Euphrasen)*
Psenopsis anomala (Temminck and Schlegel)*
- Pampus chinensis* (Euphrasen)*
160. FAMILY ANABANTIDAE—CLIMBING PERCH
Anabas testudineus (Bloch)*
Macropodus cupanus (Cuvier and Valenciennes)
Ospchronemus goramy Lacépède*
Trichopodus leeri (Bleeker)
Trichopsis vittatus (Cuvier and Valenciennes)
- Helostoma temmincki* Cuvier and Valenciennes
Macropodus opercularis (Linnaeus)*
Trichogaster pectoralis (Regan)
Trichopodus trichopterus (Pallas)
161. FAMILY MASTACEMBELIDAE—SPINY EELS
Macrogathus aculeatus (Bloch)*
Mastacembelus armatus javanus Hora*
Mastacembelus erythrotaenia Bleeker*
- Mastacembelus armatus* (Lacépède)*
Mastacembelus circumcinctus Hora
162. FAMILY PSETTODIDAE—HALIBUTS
Psettodes erumei (Bloch and Schneider)*
163. FAMILY BOTHIDAE—LEFT HAND FLOUNDERS
Arnoglossus aspilus (Bleeker)
Bothus myriaster (Temminck and Schlegel)
Crossorhombus azureus (Alcock)
Grammatobothus kremphi Chabanaud
Pseudorhombus arsius (Hamilton-Buchanan)*
Pseudorhombus elevatus Ogilby*
Pseudorhombus neglectus Bleeker
Pseudorhombus pentophthalmus Günther
- Bothus mancus* (Broussonet)
Bothus ovalis Regan
Engyproson grandisquama (Temminck and Schlegel)*
Pseudorhombus annamensis Chabanaud
Pseudorhombus diplospilus Norman
Pseudorhombus javanicus (Bleeker)
Pseudorhombus oligodon (Bleeker)*
Tephrinectes sinensis (Lacépède)
164. FAMILY PLEURONECTIDAE—RIGHT HAND FLOUNDERS
Samaris cristatus Gray*
165. FAMILY SOLEIDAE—SOLES
Aesopia cornuta (Kaup)
Microglossus ovatus Richardson
Synaptura kremphi Durand*
Synaptura panoides Bleeker*
Synaptura villosa Weber*
Zebrias zebra (Bloch)
- Achiroides melanorhynchus* (Bleeker)*
Pardachirus pavoninus (Lacépède)*
Synaptura orientalis (Bloch and Schneider)*
Synaptura quagga (Kaup)
Typhlachirus elongatus Pellegrin and Chevey

166. FAMILY CYNOGLOSSIDAE—TONGUE FISH

- | | |
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| <i>Cynoglossus arel</i> (Bloch and Schneider) | <i>Cynoglossus lingua</i> Hamilton-Buchanan* |
| <i>Cynoglossus macrolepidotus</i> (Bleeker) | <i>Cynoglossus microlepis</i> (Bleeker)* |
| <i>Cynoglossus monopus</i> (Bleeker)* | <i>Cynoglossus pellegrini</i> Wu |
| <i>Cynoglossus puncticeps immaculata</i> Pellegrin and Chevey* | <i>Cynoglossus trigrammus</i> Günther* |
| <i>Cynoglossus xyphoideus</i> Günther* | <i>Paraplagusia bilineata</i> (Bloch) |

167. FAMILY TRIACANTHIDAE—SPIKE FISH

- | | |
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| <i>Pseudotriacanthus strigillifer</i> (Cantor)* | <i>Triacanthus blochi</i> Bleeker* |
| <i>Triacanthus brevirostris</i> Temminck and Schlegel* | |

168. FAMILY BALISTIDAE—TRIGGER FISH

- | | |
|--|---|
| <i>Abalistes stellari</i> (Bloch and Schneider)* | <i>Balistes vetula</i> Linnaeus |
| <i>Balistes vidua</i> Solander* | <i>Balistapus undulatus</i> (Park)* |
| <i>Balistooides conspicillum</i> (Bloch and Schneider) | <i>Balistooides viridescens</i> (Bloch and Schneider) |
| <i>Canthidermis maculatus</i> (Bloch)* | <i>Odonus erythron</i> (Günther) |
| <i>Pseudobalistes flavimarginatus</i> (Rüppell) | <i>Pseudobalistes fuscus</i> (Bloch and Schneider) |
| <i>Rhinecanthus aculeatus</i> (Linnaeus)* | <i>Rhinecanthus echarpe</i> (Lacépède)* |
| <i>Sufflamen bursa</i> (Lacépède)* | <i>Sufflamen capistratus</i> (Shaw) |
| <i>Sufflamen chrysoptera</i> (Bloch and Schneider)* | |

169. FAMILY MONACANTHIDAE

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|--|--|
| <i>Aluterus monoceros</i> (Linnaeus)* | <i>Aluterus scriptus</i> (Forster) |
| <i>Chaetoderma spinosissimus</i> (Quoy and Gaimard) | <i>Monacanthus chinensis</i> (Bloch) |
| <i>Stephanolepis setifer</i> (Bennett) | <i>Paraluterus sprionurus</i> Bleeker* |
| <i>Paramonacanthus choirocephalus</i> (Bleeker) | <i>Pervagor tomentosus</i> (Linnaeus)* |
| <i>Pseudaluterus nasicornis</i> (Temminck and Schlegel)* | <i>Psilocephalus barbatus</i> (Gray)* |

170. FAMILY OSTRACIANTIDAE—TRUNK FISH, BOX FISH

- | | |
|--|---|
| <i>Lactoria cornutus</i> Linnaeus* | <i>Lactoria fornasini</i> (Bianconi)* |
| <i>Ostracion punctatus</i> Bloch and Schneider | <i>Ostracion tuberculatus</i> Linnaeus* |
| <i>Rhynchostracion nasus</i> (Bloch)* | <i>Rhynchostracion rhinorhynchus</i> (Bleeker)* |

171. FAMILY TETRAODONTIDAE—PUFFER FISH

- | | |
|--|---|
| <i>Amblyrhynchotes hypselogeneion</i> (Bleeker) | <i>Arothron biocellatus</i> (Tirant) |
| <i>Arothron cambodgiensis</i> (Chabanaud)* | <i>Arothron fangi</i> (Pellegrin and Chevey) |
| <i>Arothron hispidus</i> (Linnaeus)* | <i>Arothron immaculatus</i> (Bloch and Schneider)* |
| <i>Arothron lorteli</i> (Tirant)* | <i>Arothron nigropunctatus</i> (Bloch and Schneider)* |
| <i>Arothron palembangensis</i> (Bleeker) | <i>Arothron reticularis</i> (Bloch and Schneider)* |
| <i>Arothron stellatus</i> (Bloch and Schneider)* | <i>Canthigaster bennetti</i> (Bleeker) |
| <i>Canthigaster margaritatus</i> (Rüppell) | <i>Canthigaster valentini</i> (Bleeker)* |
| <i>Chonerhinus modestus</i> (Bleeker)* | <i>Chonerhinus naritus</i> (Richardson) |
| <i>Dichotomycter fluviatilis</i> (Hamilton-Buchanan) | <i>Fugu alboplumbeus</i> (Richardson)* |
| <i>Fugu niphobles</i> (Jordan and Snyder) | <i>Fugu rubripes</i> (Temminck and Schlegel) |
| <i>Lagocephalus inermis</i> (Temminck and Schlegel)* | <i>Lagocephalus lunaris</i> (Bloch and Schneider)* |
| <i>Lagocephalus spadiceus</i> (Richardson)* | <i>Pleuranacanthus scleratus</i> (Forster)* |
| <i>Takifugu oblongus</i> (Bloch)* | |

172. FAMILY TRIODONTIDAE

- Triodon bursarius* Reinwardt

173. FAMILY DIODONTIDAE—PORCUPINE FISH

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|---|---------------------------------|
| <i>Chilomycterus orbicularis</i> (Bloch)* | <i>Diodon bleekeri</i> Günther* |
| <i>Diodon holocanthus</i> Linnaeus* | <i>Diodon hystrix</i> Linnaeus* |

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