

# Fishes of Andaman Andaman and Nicobar Islands: A Checklist

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#### **Abstract**

A brief review of recent ichthyological research and compiled results on the records of fishes from the Andaman and Nicobar Islands are presented in this paper. A total of 1434 species under 576 genera belonging to 33 orders and 165 families is represented from these islands, of which 400 species having commercial significance as food fishes. Among the fishes, 75.68 per cent of species are recorded as coral inhabitants (1089 species). Besides, 290 speciesfrom mangroves, 152 species from seagrass meadow, 23 species from freshwater streams and 101 species from offshore environment, while 258 species were commonly observed as overlap between mangrove, seagrass, coral reefs and offshore ecosystems. Significantly the number of reef fishes so far reported from Andaman and Nicobar Islands is the highest among Indian reefs. A zoogeographic analysis reveals a peculiarity of the fauna of this marginal-sea region, *viz.*, being one of the areas of sympatry of Indian and Pacific Ocean fishes.

Keywords: Andaman, Checklist, Diversity, Fishes, Nicobar

### Introduction

Andaman Nicobar islands situated in the Bay of Bengal between 6°452 -13 452 N and 92°102 - 94°152 E, consist of 352 islands 220 islets and rock and cover a distance of almost 800 km over North - South, with a coastline of 1962 km, and bring in for India an Exclusive Economic Zone (EEZ) of 600 thousand km<sup>2</sup>. The shelf topography of these islands show frequent rises supporting coral reefs, which are characterised as fringing reefs on the eastern side and barrier reefs off west coast, the depressions are known as passages and straits. Besides coral reefs, the shore is composed of rocky and sandy areas and vast stretches of Mangrove swamps. Owing to the varied marine habitats, ichthyofauna of these islands is observed to be one of the most diverse in the world. The fish diversity in these waters also receives special interest in terms of marine zoo-geography because of the confluence of Andaman Sea fishes with Western Pacific and the Indian Ocean. However, given the extreme fragility of these ecosystems the biodiversity is under heavy threat. The diversity, with the developmental pressures faced, may be under declination. Socio-economically, the fishery industry here tends a significant portion. However, among others, sustainable marine fishery is one form of

untapped coastal wealth so far in these islands. On these accounts this book brings about the gathered information on diversity of marine fishes of these islands since Day (1869) and original contribution over the past two and half decades. The Andaman Sea is an approximately 1,200 km long x 650 km wide body of water to the southeast of the Bay of Bengal. It is bounded by the Gulf of Mataban in the north, the Malay Peninsula in the east, the Andaman and Nicobar Islands in the west and the northern tip of Sumatra in the south. At its southeastern corner, the Andaman Sea narrows to form the Strait of Malacca, which separates the Malay Peninsula from the island of Sumatra. Along an approximate 1962 km length of the Andaman Sea coast of Andaman and Nicobar Islands, a variety of marine and coastal habitats are present, viz., mangroves, mud-flats, seagrass beds, rocky shores, intertidal sandflats, coral reefs, open pelagic zones, and complex seabed systems on the continental shelf. The integrity of different peculiar environmental settings and characteristics among those habitat types provides suitable refuges for a vast variety of aquatic biota, including fishes. Although, biogeographically, it belongs to the eastern Indian Ocean, it is strongly influenced by the western Pacific Ocean biota via the northwesterly through-flow in the Strait of Malacca. It is thus an area of distributional



confluence of the biotas of both the Indian Ocean and the Pacific Ocean. Being a marginal sea separated from the main Indian Ocean by the Andaman-Nicobar Islands, it has been subjected to a profound effect of sealevel lowering, especially during major glaciations when it became a separated, enclosed basin. Such isolation processes are believed to have promoted speciation and endemism of the fish fauna in the Andaman Sea. The area is thus characterized by its high diversity and the unique faunal composition of the fishes. However, knowledge and information on the overall diversity of marine fishes in the area is still limited, because very few attempts had been made to compile a list of all known fish species from the area. The purposes of the present paper are to provide a brief review of recent ichthyological research, and to establish a comprehensive checklist of all known marine, brackish-water and freshwater fishes. The checklist was compiled from various sources of information, including published literature, unpublished data made available under several sampling projects, and the fish collection data repository of the Zoological Survey of india, Andaman and Nicobar Regional Center. In addition, a list of the fishes discovered from this group of islands in Andaman Sea, is tabulated. This check list will serve as a significant baseline for further research.

# Methodology

The compilation of the species list was based largely on accumulating information from the earlierliterature ,includinginventory works and faunistic surveys, field guides, and taxonomic works. Some unpublished data, including recent unpublished survey results made by the authors, The systematic arrangement of families followed by Nelson (2006). Species in each family are arranged alphabetically. The scientific names of fishes used in the cited literature have been updated, following recent usage, and hence junior synonyms were omitted.

### **Results and Discussion**

### Brief review of ichthyological research

Nelson, (2006), estimated 27,977 valid species of living fishes under 515 families and 4494 genera in the World, out of which about 15000 (60 per cent) live in

the sea; this represents about half of the entire known vertebrate fauna. A comprehensive and authoritative account of fishes of the Indian region was published by Day (1869 a, 1869 b, 1870, 1875-78 and 1888), Jayaram (1999), Menon (1999) and Munro (1996). The fish fauna of Andaman and Nicobar Islands are still not thoroughly known and new species or new records are being discovered every now and then. Blyth, 1846; Annandale and Hora, 1925; Hora, 1925; Duncker, 1925; Mukerjii, 1935; Herre, 1939, 1940; Koumans, 1940, 1953; Misra, 1950. The detailed work by Weber and de Beaufort (1913-1936), deBeaufort (1940) and de Beaufort and Chapman (1951) are notable for taxonomic and distributional records of fishes of Andaman and Nicobar. Herre (1941) made an extensive study around Andaman Islands and for the first time listed as many as 490 species of fishes. Subsequently several new species and new records of fishes have been added to the list by many ichthyologists like Kalausewitz and Eild Eibesfeld (1959), Kalausewitz (1963), Jones et al. (1960), Silas and Dawson (1961), Silas and Toor (1961), Yazdani (1963) and Luther (1972). During the late twentieth century ichthyologists like Rangarajan (1969, 1972), Menon and Rao (1972), Menon and Talwar (1972, 1973), Sen (1975), Menon and Chatterjee (1974, 1976), Eschmeyer and Dor (1978), Talwar et al. (1982), Mehta et al. (1989), Mehta and Devi (1990). Talwar (1990) prepared a comprehensive list of fishes consisting of 724 species from all the aquatic ecosystems of these islands, followed by a supplementary list by Devi (1991) containing 71 species of fish. The recent developments in the fish taxonomy of these Islands are the works by Devi and Rajan (1991), Misra and Krishnan (1992), Krishnan and Misra (1992), Rao et al. (1992a, 1992b), Dhandapani and Misra (1993), Rajan (2001, 2002, 2003, 2009), Rajan et al. (1992a, 1992b, 1993, 2012), Devi et al. (1993, 1995), Devi and Rao (1997, 2003a, 2003b, 2007), Rao et al. (1992, 1994, 1993a, 1993b, 1997, 2000), Rao (1995, 2003, 2009), Rao and Devi (1995, 1997a, 1997b, 1998, 2004), Soundararajan and Damroy (2005), Remadevi et al. (2005, 2010) Rajaram et al. (2007), Vijayand Devidar (2009), Damroy etal. (2009), Ramakrishna et al. 2010, Devi and Chakraborty 2010, Smith-Vaniz (2011), Nazar et al. (2011), Smith-Vanizand Allen(2012), Allen and Erdmann, 2012and Rajan and Sreeraj (2012).



### Composition and zoogeography of fishes

Coral reef, Mangrove, Seagrass and Fresh Water ecosystems are the most important habitats that provide values and benefits in various aspects. Their environment regime and characteristics are suitable for extensive assemblages of a vast variety of aquatic organisms encompassing over a wide spectrum of forms from autotrophs to heterotrophs, from tiny invertebrates to mammals, from juveniles to adults, from sedentary inhabitants to highly migratory ones, or from dependent residents to transitory ones. More specifically these habitats have been frequently been referred as an important nursery area. In a socioeconomic point of view, these ecosystems provide significant commercial values to local fishermen and onto tradesmen by fishery products gained either directly from fishing or indirectly from aquaculturing. Each habitat has its own characteristic and most cases they are interconnected or associated. Fish utilizing these habitats also basically share species pool of inshore fish. The results however can be served as an aid for baseline information for monitoring purposes and could also prompt interest for future researches emphasizing the population dynamic or community structures of fish in these ecosystems.

A total of 1434 species of fishes under 576 genera belonging to 165 families is represented from these islands, of which 400 species having commercial significance as food fishes (Plate 1-4). Among the fishes, 75.68 per cent of species are recorded as coral inhabitants (1089 species). Besides, 290 speciesfrom mangroves, 152 species from seagrass meadow, 23 species from freshwater streams and 101 species from offshore environment, while 258 species were commonly observed as overlap between mangrove, seagrass, coral reefs and offshore ecosystems. More than half of a total number of species (727) are represented in 16 families, which have 20 and above species recorded. The total percentage of species richness, which is against a marginally lower estimate of 48.75 per cent for the remaining 149 families put together.

# List of fish species recorded in Andaman and Nicobar Islands

Class: Chondrichthyes

#### Sub Classes:Elasmobranchii

#### Order: Orectolobiformes

### Family: Orectolobidae

- 1. Chiloscyllium griseum Muller & Henle, 1838
- 2. *Chiloscyllium indicum* (Gmelin, 1789)
- 3. *Chiloscyllium punctatum* Muller & Henle, 1837

## Family: Stegostomatidae

4. Stegostoma fasciatus (Hermann, 1783)

### Order: Lamniformes

### Family: Alopidae

- 5. Alopias pelagicus Nakamura, 1935
- 6. *Alopias superciliosus* (Lowe, 1840)
- 7. *Alopiasvulpinus*(Bonaterre, 1788)

## Family: Laminidae

8. *Isurusoxyrinchus* Rafineque, 1810

### Order: Carcharhiniformes

## Family: Proscylliidae

9. Eridacnis radclifei Smith, 1913

## Family: Scyliohinidae (catsharks)

- 10. Aspristurus investigatoris (Misra, 1962)
- 11. Bythaelurus hispidus(Alcock, 1891)

### Family: Hemigaleidae

12. Chaenogaleus macrostoma (Bleeker, 1852)

### Family: Carcharhinidae

- 13. *Carcharhinus albimarginatus*(Ruppell, 1837)
- 14. *Carcharhinus amblyrhynchos*(Bleeker, 1856)
- 15. *Carcharhinus brevipinna* (Muller & Henle,1839)
- 16. *Carcharhinus dussumieri*(Muller & Henle, 1839)
- 17. Carcharhinus hemiodon (Valenciennes, 1939)
- 18. *Carcharhinus limbatus* (Muller & Henle, 1839)
- 19. Carcharhinus longimanus (Poey, 1861)
- 20. Carcharhinus macloti (Muller & Henle, 1839)
- 21. Carcharhinus melanopterus (Quoy & Gaimard, 1824)



22.	Carcharhinus sealei (Pietschmann, 1913)	Order:Myliobatiformes		
23.	Carcharhinus sorrah (Valenciennes, 1839)	Family: Dasyatidae		
23.	Galeocerdo cuvier (Peron & Le Sueur, 1822)	57	Neotrygon kuhlii (Muller & Henle, 1841)	
24	Loxodon macrorhinus Muller & Henle, 1839	58	Dasyatis thetidis Ogilby, 1899	
25	Negaprion acutidens (Ruppell, 1837)	59	Dasyatis zugei Muller & Henle, 1841)	
26	Prionace glauca (Linnaeus, 1758)	60	Gymnura poecilura (Shaw,1804)	
27	Rhizoprionodon acutus (Ruppell, 1837)	61	Himantura gerrardi (Gray, 1851)	
28	Rhizoprionodon oligolinxSpringer, 1964	62	Himantura imbricata (Bloch Schneider,1801)	
29	Scoliodon laticaudus (Muller & Henle, 1838)	63	Himantura uarnak (Forsskal, 1775)	
30	Triaenodon obesus (Ruppell, 1837)	64	Pastinachus sephen (Forsskal, 1775)	
Family	: Sphyrnidae (Hammerhead Sharks)	65	Gymnura poecilura (Shaw, 1804)	
32	Eusphyra blochii (Cuvier, 1817)	66	Taeniura lymma (Forsskal, 1775)	
33	Sphyrna lewini (Griffith & Smith, 1834)	67	Taeniura meyeni Muller & Henle, 1814	
34	Sphyrna mokarran (Ruppell, 1837)	Family	: Myliobatidae(Eaglerays and Devilrays)	
35	Sphyrna zygaena (Linnaeus, 1758)	69	Aetobatus ocellatus (Kuhl,1823)	
	Squaliformes	70	Manta birostris (Walbaum, 1792)	
Family: Squalidae		Class:	Actinopterygii	
38	Squalusmegalops (Macleay, 1881)	Order	: Elopiformes	
	:Centrophoridae	Family	: Elopidae (Ladyfsihes)	
40	•	74	Elops machnata (Forsskal,1775)	
	Centrophorusacus Garman, 1906	Family	: Megalopidae	
	Pristiformes	76	Megalops cyprinoides (Broussonet, 1782)	
	:Pristidae	Order	Albuliformes	
43	Anoxypristis cuspidatus (Latham) 1794	Family	: Albulidae	
44	Pristis microdon Latham ,1794	79	Albula vulpes (Linnaeus, 1758)	
45	Pristis zijsron Bleeker, 1851	Family	: Halosauridae(Halosaurs)	
	Rajiformes	81	Halosaurus carinicauda (Alcock, 1889)	
·	: Rhyncobatidae	Order	: Anguilliformes	
48	Rhina ancylostoma Schneider, 1801	Family	: Anguillidae	
49	Rhynchobatus djiddensis (Forsskal, 1775)	84	Anguilla australis Richardson,1841	
Family	:Rhinobatidae(Guitarfishes)	85	Anguilla bengalensis (Gray, 1831)	
51	Rhinobatos granulatusCuvier, 1829	86	Anguilla bicolor Mc. Clelland, 1844	
52	Rhinoptera javanica	87	Anguilla marmorata (Bennett, 1844)	
Family	:Rajidae(Skates)	Family	: Muraenidae	
54	Cruriraja andamanica Lloyd,1909	89	Echidna nebulosa Ahl, 1789	



90	Echidna rhodochilus (Bleeker 1863)	124	Ariosoma macrocercus (Alcock, 1889)
91	Gymnomuraena zebra (Shaw, 1797)	125	Conger cinereus Ruppell, 1830
92	Gymnothorax favagineus Bloch & Schneider,	126	Congresox talabonoides (Bleeker, 1853)
	1801	127	Gavialiceps taeniola Alcock, 1889
93	Gymnothorax fimbriatus (Bannett, 1831)	128	Gorgasia maculata (Klausewitz & Eibl
94	Gymnothorax flavimarginatus (Ruppell, 1830)		eibesfeldt, 1959)
95	Gymnothorax javanicus (Bleeker, 1859)	129	Heteroconger hassi (Klausewitz & Eibl Eibesfeldt, 1959
96	Gymnothorax richardsoni (Bleeker, 1852)	130	•
97	Gymnothorax rueppelliae(Mc Clelland, 1845)	130	Heteroconger obscura (Klausewitz & Eibl Eibesfeldt, 1959
98	Gymnothorax thyrsoideus (Richardson, 1845)	Famil	y:Moringuidae(Spaghetti eels)
99	Gymnothorax tile (Hamilton-Buchanan,1822)	132	Moringua bicolor Kaup,1856
100	Gymnothorax undulates (Lacepede, 1803)	Order	:: Clupeiformes
101	Rhinomuratena quaestia Garman,1888		y:Pristigasteridae
102	Scuticaria tigrina (Lesson, 1828)	135	Ilisha filigera (Valenciennes, 1847)
103	Siderea picta (Ahl, 1789)	136	Ilisha megaloptera (Swainson, 1839)
104	Strophidon sathete (Bleeker, 1854)	137	Ilisha melastoma (Schneider, 1801)
105	Uropterygius concolor Ruppell, 1838		y: Engraulididae
106	Uropterygius marmoratus (Lacepede, 1803)	139	Coilia ramcarati (Hamilton, 1822)
Family	y: Muraensocidae	140	Encrasicholina heteroloba (Rüppell, 1837)
108	Gavialiceps taeniola Alcock, 1889	141	Setipinna phasa (Hamilton, 1822)
Family	y: Ophichthidae(Snake Eels)	142	Setipinna tenuifilis(Valenciennes, 1848)
110	Cirrhimuraena playfairii (Gunther, 1870)	143	Stolephorus commersonii Lacepede, 1803
111	Leiuranus semicinctus (Lay & Bennett, 1839)	144	Stolephorus indicus (Van Hasselt, 1823)
112	Muraenichthys macropterus Bleekr, 1857	145	Stolephorus waitei Jordan & Seale, 1926
113	Myrichthys colubrinus (Boddaert, 1781)	146	Thryssa baelama (Forsskal, 1775)
114	Myrichthys maculosus (Cuvier, 1816)	147	Thryssa hamiltonii Gray, 1835
115	Muraenichthys schulzei Bleeker, 1857	148	Thryssa malabarica (Bloch, 1795)
116	Pisodonophis cancrivorus (Richardson, 1844)	149	Thryssa mystax (Schneider, 1801)
Family	y:Colocongridae(Shorttail eels)	150	Thryssa setirostris (Broussonet, 1782)
118	Coloconger raniceps Alcock,1889		y: Chirocentridae
Family	y:Nemichthyidae(Snipe eels)	152	Chirocentrus dorab (Forsskal, 1775)
120	Avocettina infans (Gunther, 1878)	153	Chirocentrus nudus Swainson, 1839
121	Nemichthys scolopaceus Richardson, 1848		y: Clupeidae (Sardines)
Family	y: Congridae(Conger Eels)	155	• •
123	Ariosoma mauritianum (Pappenheim, 1914)	133	Amblygaster cupeoides (Bleeker,1849)



156	Amblygaster siram (Walvaum, 1742)	187	Rasbora daniconius (Hamilton-Buchanan, 1822)	
157	Andontostoma chacunda(HamBuch.,1822)	188	Rasbora hobelmani Kottelat, 1984	
158	Anodontostoma selangkat (Bleeker, 1852)		haraciformes	
159	Anodontostoma thailandiae Wongratana, 1983	Family:Characidae		
160	Dussumieria acuta Valenciennes, 1847	191	Pygocentrus nattereri Kner, 1858	
161	Dussumieria elopsoides Bleeker, 1849	Order: S	iluriforms	
162	Herklotsichthys quadrimaculatus	Family: Plotosidae		
	(Ruppell, 1837)	194	Plotosus canius Hamilton, 1822	
163	Herklotsichthys punctatus (Ruppell, 1837)	195	Plotosus lineatus (Thunberg, 1787)	
164	Hilsa kelee (Cuvier, 1829) Kelee shad	Family:	Clariidae	
165	Nematalosa nasus (Bloch, 1795)	197	Clarias magur (Hamilton 1822)	
166	Opisthopterus tardoore (Cuvier, 1829)	Family:	Heteropneustidae	
167	Pellona dayi Wongratana, 1983	199	Heteropneustes fossilis (Bloch, 1794)	
168	Pellona ditchela Valenciennes, 1847	Family: A	Ariidae(Sea catfishes)	
169	Sardinella albella (Valenciennes, 1847)	201	Arius subrostratus Valenciennes, (1840)	
170	Sardinella brachysoma Bleeker, 1852	202	Ketenhus typus Bleeker, 1847	
171	Sardinella fimbriata (Valenciennes, 1847)	203	Nemapteryx macronotacantha	
172	Sardinella gibbosa (Bleeker, 1852)		(Bleeker, 1846)	
173	Sardinella leiogaster (Valenciennes, 1847)	204	Netuma thalassinus (Ruppell, 1837)	
174	Sardinella melanura (Cuvier, 1829)	205	Plicofollis dussumieri(Valenciennes, 1840)	
175	Spratelloides delicatulus (Bennett, 1831)	Family:	Pangasiidae(Shark catfishes)	
176	51. Tenualosa toil (Valenciennes, 1847)	207	Pangasius pangasius (Hamilton Buchanan, 1822)	
Order: G	onorhynchiformes	Order:St	tomiiformes	
Family: (	Chanidae	Family:S	tomiidae	
179	Chanos chanos (Forsskal, 1775)	210	Stomias affinis Günther, 1887	
Order: C	yprinformes	211	Stomias nebulosus Alcock, 1889	
Family: (	Cyprinidae	212	Photostomias guernei Collett, 1889	
182	Catla catla (Hamilton-Buchanan, 1822)	213	Chauliodus sloani Bloch & Schneider, 1801	
183	Ctenopharyngodon idellus (Valenciennes,	Family:N	<b>Malacosteidae</b>	
	1844)	215	Malacosteus niger Ayres, 1848	
184	Cyprinus carpio Linnaeus, 1758	Family:P	Phosichthyidae(Lightfishes)	
185	Hypophthalmichthys molitrix (Valenciennes, 1844)	217	Polymetme corythaeola (Alcock, 1898)	
	Labeo rohita (Hamilton-Buchanan, 1822)	Family:Gonostomatidae(Bristlemouths)		
		219	Cyclothone microdon (Gunther, 1878)	



220	Diplophos taenia Gunther, 1873	249	Diaphus nielseni Nafpaktitis, 1978	
Family: Sternoptychidae (Hatchet fishes)		250	Diaphus suborbitalism Weber,1913	
222 Polyipnus spinosus Günther, 1887		Family:N	eoscopelidae	
Order: A	teleopodiformes	252	Neoscopelus macrolepidotus Johnson, 1863	
Family: A	Ateleopodidae(Jellynose fishes)	Order:G	adiformes	
225	Ateleopus indicus Alcock, 1891	Family:N	Ioridae(Depsea Cods)	
Order: A	ulopiformes	255	Physiculus roseus Alcock, 1891	
Family: S	- Synodontidae	Family: I	Bregmacerotidae(Codlets)	
228	Saurida gracilis (Quoy & Gaimard, 1824)	257	Bregmaceros mcclellandi Thompson, 1840	
		Family: N	Macrouridae(Rattails)	
229	Saurida micropectoralis Shindo & Yamada, 1972	259	Bathygadus furvescens Alcock, 1894	
•••		260	Caelorinchus flabellispinis (Alcock,1894)	
230	Saurida nebulosa Valenciennes, 1850	261	Caelorinchus parallelus (Gunther, 1877)	
231	Saurida tumbil (Blocj, 1795)	262	Coelorinchus quadricristatus(Wood	
232	Saurida undosquamis (Richardson, 1848)		Mason and Alcock, 1891)	
233	Synodus hoshinonis Tanaka, 1917	263	Coryphaenoides macrolophus (Alcock,1889)	
234	Synodus indicus (Day, 1873)	264	Coryphaenoides nasutus Günther, 1877	
235	Synodus oculeus Cressey, 1981	265	Hymenocephalus heterolepis (Alcock,1889)	
236	Synodus variegates Lacepede, 1803	266	Hymenocephalus italicus Giglioli, 1884	
237	Trachinocephalus myops (Forster, 1801)	267	Malacocephalus laevis (Lowe, 1843)	
Family:I	pnopidae(Deepsea tripodfishes)	268	Nezumia brevirostris (Alcock, 1889)	
239	Bathypterois guentheri Alcock, 1889	269	Nezumia investigatoris (Alcock, 1889)	
240	Ipnops agassizii Garman, 1899	270	Nezumia semiquincunciata (Alcock, 1889)	
240	Tphops agassizii Gailliali, 1899	271	Ventrifossa petersonii (Alcock,1891)	
Family:E	vermannellidae(Saber-toothed fishes)	Order: Ophidiiformes		
242	Coccorella atrata (Alcock, 1894)	Family: (	Carapidae	
Order:M	yctophiformes	274	Carapus homei (Richardson, 1844)	
Family:N	<b>1yctophidae</b> (Lanternfishes)	275	Onuxodon margaritiferae (Rendahl, 1921)	
245	Benthosema pterotum (Alcock, 1890)	Family:O	phidiidae	
246	Diaphus coeruleus (Klunzinger,1871)	277	Brotula multibarbata Temminck & Schlegal, 1846	
247	Diaphus diademophilus Nafpaktitis, 1978	278	Dicrolene multifilis (Alcock, 1889)	
248	Diaphus malayanus Weber, 1913	279	Dicrolene nigricaudis (Wood-Mason & Alcock, 1891)	



280	Glyptophidium argenteum Alcock, 1889	312	Chelon planiceps (Valenciennes, 1836)
281	Lamprogrammus niger Alcock, 1891	313	Crenimugil creniilabis (Forsskal, 1775)
282	Monomitopus nigripinnis (Alcock, 1889)	314	Liza carinata (Valenciennes, 1836)
283	Neobythites macrops Günther, 1887	315	Liza macrolepis (Smith, 1846)
284	Spottobrotula mahodadi Cohen&	316	Liza melinoptera (Valencienes, 1836)
	Nielsen, 1978	317	Liza subviridis (Valenciennes, 1836)
Family:B	ythitidae(Viviparous brotulas)	318	Liza vaigiensis (Quoy & Gaimard, 1825)
286	Alionematichthys piger (Alcock, 1890)	319	Moolgarda seheli (Forsskål, 1775)
287	Dinematichthys ilucoeteoides Bleeker,1855	320	Mugil cephalus Linnaeus, 1758
288	Diplacanthopoma brachysoma Gunther, 1887	321	Oedalechilus labiosus (Valenciennes,1836)
289	Diplacanthopoma raniceps Alcock, 1898	322	Paramugil parmatus (Cantor, 1849)
290	Hephthocara simum Alcock, 1892	323	Valamugil bunchanani (Bleeker, 1853)
	aphyonidae (Aphyonida)	324	Valamugil cunnesius (Valenciennes, 1836)
292	Barathronus diaphanus Brauer, 1906	Order: A	theriniformes
	•	Family: A	therinidae
Order:Lophiiformes Family:Lophiidae(Goosefishes)		327	Atherinomorus duodecimalis (Valenciennes, 1835)
295	Lophiodes mutilus (Alcock, 1894)	328	Atherinomorus lacunosus (Forster, 1801)
296	Lophiomus setigerus (Vahl, 1797)	329	Atherinomorus endrachtensis (Quoy &
Family: A	<b>Intennariidae</b> Anglerfishes		Gaimard, 1825)
298	Antennarius coccineus (Lesson, 1831)	330	Hypoatherina temminckii (Bleeker, 1854)
299	Antennarius commersoni (Latreille, 1804)		loniformes
300	Antennarius pictus (Shaw, 1794)	-	drianichthyidae
301	Histrio histrio (Linnaeus, 1758)	333	Oryzias melanostigma (McClelland,1839)
Family:O	gcocephalidae(Batfishes)	·	Exocoetidae
303	Halicmetus coccinea Alcock, 1889	335	Cheilopogon furcatus(Mitchill, 1815)
304	Halicmetus nigra Alcock, 1891	336	Cypselurus oligolepis (Bleeker, 1866)
305	Halicmetus ruber Alcock, 1891	337	Cheilopogon spilopterus (Valenciennes, 1847)
306	Malthopsis lutea Alcock, 1891	338	Exocoetus volitans Linnaeus, 1758
307	Malthopsis mitrigera Gilbert& Cramer,1897	339	Parexocoetus brachypterus
308	Ogcocephalus nasutus (Cuvier, 1829)		(Richardson, 1846)
Order: Mugiliformes		Family: H	Iemiramphidae
Family: N	Augilidae	341	Hemiramphus far (Forsskal, 1775)
311	Chelon parsia (Hamilton, 1822)	342	Hemiramphus lutkei Valenciennes, 1847



343	Hemiramphus marginatus (Forsskål, 1775)	373	Myripristis violacea Bleeker,1851
344	Hyporhamphus dussumieri	374	Neoniphon aurolineatus (Lienard, 1839)
	(Valenciennes, 1846)	375	Neoniphon samara (Forsskal, 1775)
345	Hyporhamphus limbatus (Valenciennes, 1847)	376	Ostichthys japonicas (Cuvier, 1829)
346	Hyporhamphus quoyi(Valenciennes, 1847)	377	Sargocentron caudimaculatum
347	Hyporhamphus xanthopterus (Valenciennes, 1847)		(Ruppell, 1838)
348	Zenarchopterus buffonis(Valenciennes,	378	Sargocentron diadema (Lacepede, 1802)
340	1846)	379	Sargocentron ittodai(Jordan & Fowler, 1903)
349	Zenarchopterus dispar (Valenciennes, 1847)	380	Sargocentron melanospilos(Bleeker, 1858)
350	Zenarchopterus gilli Smith, 1945	381	Sargocentron praslin (Lacepede, 1802)
351	Zenarchopterus pappenheimi Mohr,1926	382	Sargocentron punctatissimum (Cuvier, 1829)
Family: B	selonidae	383	Sargocentron rubrum (Forsskal, 1775)
353	Ablennes hians (Valenciennes, 1846)	384	Sargocentron spiniferum (Forsskal, 1775)
354	Strongylura leiura (Bleeker,1851)	Order:Ga	sterosteiformes
355	Strongylura strongylura(Van Hasselt, 1823)	Family: P	egasidae
356	Tylosurus crocodiles	387	Eurypegasus draconis (Linnaeus, 1766)
	(Peron & Le Sueru, 1821)	388	Pegasus volitans Linnaeus, 1758
357	Tylosurus gigantean (Temminck &	Family: S	olenostomidae
Ondon C	Schlegel, 1846)	390	Solenostomus cyanopterus Bleeker, 1854
Order: Cyprinodontiformes Family: Aplocheilidae		391	Solenostomus paradoxus (Palla, 1870)
·		Family: S	yngnathidae (Pipefishes and Seahorses)
360 Order:Sa	Aplocheilus panchax (HamBuch., 1822) Imoniformes	393	Acentronura gracilissima (Temminck & Schlegel, 1850)
Family:A	lepocephalidae(Slickheads)	394	Bhanotia fasciolata (Duméril, 1870)
363	Alepocephalus longiceps Lloyd, 1909	395	Corythoichthys amplexus Dawson and
364	Bathytroctes macrolepis Günther, 1887		Randall, 1975
Order: Bo	erciformes	396	Corythoichthys benedello Allen and Erdmann, 2008
Family: M	Ionocentridae Pinecone Fishes	397	Corythoichthys haematopterus
367	Monocentris japonicas (Houttuyn, 1782)		(Bleeker, 1851)
Family: H	lolocentridae	398	Corythoichthys intestinalis
369	Myripristis adusta (Bleeker, 1853)		(Ramsay, 1881)
370	<i>Myripristis berndti</i> Jordan and Evermann, 1903	399	Corythoichthys ocellatus Herald, 1953
271		400	Choeroichthys sculptus (Gunther. 1870)
371	Myripristis hexagona (Lacepede, 1802)	401	Corythoichthys schultzi Harald, 1953
372	Myripristis murdjan (Forsskal, 1775)	402	Doruichthys martensi (Peters, 1869)
			,



403	Doryramphus dactyliophorus	435	Inimicus caledonicus (Sauvage, 1878)
40.4	(Bleeker, 1853)	436	Inimicus didactylus (Pallas, 1769)
404	Doryramphus excisus escisus Kaup, 1856	437	Pterois antennata (Bloch, 1787)
405	Halicampus macrorhynchusBamber, 1915	438	Pteroismiles (Bennett, 1828)
406	Halicampus mataafae(Jordan & Seale, 1906)	439	Pterois radiata Cuvier, 1829
407	Hippichthys heptagonus Bleeker, 1849	440	Pterois russelli Bennett, 1831
408	Hippichhys spicifer (Ruppell, 1838)	441	Pterois volitans (Linnaeus, 1758)
409	Hippocampus histrix Kaup, 1856	442	Scorpaena picta Cuvier, 1829
410	Hippocampus horai Duncker, 1925	443	Scorpaena neglecta Temminck &
411	Hippocampus kuda Bleeker, 1852		Schlegel, 1843
412	Hippocampus trinaculatus Leach, 1814	444	Scorpaenopsis oxycephalus (Bleeker, 1849)
413	Microphis brachyurus (Bleeker, 1853)	445	Scorpaenopsis venosa (Cuvier, 1829)
414	Microphis insularis (Hora,1925)	446	Scorpaenodes guamensis
415	Nomen dubium (Dawson, 1978)		(Cuv. & Gaimard, 1824)
416	Phoxocampus tetrophthalmus (Bleeker, 1858)	447	Scorpaenodes smithi Eschmeyer & Rama-Rao, 1972
417	Syngnathoides biaculeatus (Bloch, 1785)	448	Scorpaenopsis cirrhosa (Thunberg, 1793)
Family:A	ulostomidae(Trumpetfishes)	449	Scorpaenopsis gibbosa Bloch & Schneider, 1801
419	Aulostomus chinensis (Linnaeus, 1766)	450	Sebastapistes strongia (Cuvier, 1829)
Family:F	istulariidae	451	Setarches guentheri Johnson, 1862
421	Fistularia commersonii Ruppell, 1838	452	Setarches longimanus (Alcock, 1894)
422	Fistularia petimba Lacepede, 1803	453	Synanceia alula Eschmeyer & Rama-Rao,
Family: (	Centriscidae	733	1973
424	Aeoliscus strigatus (Gunther, 1861)	454	Synanceia horrida (Linnaeus, 1766)
425	Centriscus scutatus Linnaeus, 1783	455	Synanceia verrucosa Bloch & Schneider,
Order: S	corpaeniformes		1801
Family: I	<b>Dactylopteridae</b>	456	Taenianotus triacanthusLacepede, 1802
428	Dactyloptena orientalis (Cuvier, 1829)	457	Tetraroge barbata (Cuvier, 1829)
Family:So	corpaenidaeScorpion Fishes	458	Tetratoge niger (Cuvier, 1829)
430	Ablabys macracanthus (Bleeker, 1852)	459	Vespicula depressiforns(Richardson, 1848)
431	Ablabys taenianotus (Cuvier, 1829)	460	Vespicula trachinoides (Cuvier, 1829)
432	Dendrochirus biocellatus (Fowler, 1938)	461	Trachicephalus uranoscopus Bloch &
433	Dendrochirus brachypterus (Cuvier, 1829)		Schneider, 1801
434	Dendrochirus zebra (Cuvier, 1829)	•	lpoactinidae(Velvetfishes)
Demardem as zeora (Cavior, 1027)	463	Cocotropus echinatus (Cantor, 1849)	



464	Cocotropus steinitzi Eschmeyer& Dor, 1978	497	Parambassis dayi (Bleeker,1874)
465	Xenaploactis cautes	Family: L	atidae(Lates)
	Poss & Eschmeyer, 1980	499	Lates calcarifer (Bloch, 1790)
Family: C	Caracanthidae	500	Psammoperca waigiensis (Cuvier,1828)
467	Caracanthus unipinna (Gray, 1831)	Family:So	erranidae(Anthias and Groupers)
Family: T	riglidaeSesrobins (gurnards)	502	Aethaloperca rogaa (Forsskal, 1775)
469	Lepidotrigla longipinnis Alcock, 1890	503	Anyperodon leucogrammicus
Family: P	eristediidae(Armored Searobins)		(Valenciennes, 1828)
471	Peristedion investigatoris (Alcock, 1898)	504	Aulacocephalus temmincki Bleeker, 1854
472	Peristedion serrulatum (Alcock, 1889)	505	Cepholopholis argus Schneider, 1801
473	Satyrichthys murrayi (Gunther, 1880)	506	Cephalophotis boenak (Bloch, 1790)
474	Paraheminodus murrayi (Gunther,1880)	507	Cephalopholis cyanostigma
Family: P	latycephalidaeFlatheads	207	(Valenciennes, 1828)
476	Cociella crocodila (Tilesius, 1812)	508	Cephalopholis formosa
477	Sunagocia carbunculus(Valenciennes, 1833)		(Shaw & Nodder, 1812)
478	Grammoplites scaber (Linnaeus, 1758)	509	Cephalopholis leopardus(Lacepede, 1802)
479	Inegocia japonica (Cuvier, 1829)	510	Cephalopholis microprion (Bleeker,1852)
480	Lepidotrigla longipinnis Alcock, 1890	511	Cephalopholis miniata (Forsskal, 1775)
481	Onigocia oligolepis (Regan, 1908)	512	Cephalopholis sexmaculata (Ruppell,1830)
482	Platycephalus indicus (Linnaeus, 1758)	513	Cephalopholis sonnerati(Valenciennes,1828)
483	Sorsogona tuberculata (Cuvier, 1829)	514	Cephalopholis urodeta (Forster, 1801)
484	Thysanophrys celebicus (Bleeker, 1855)	515	Chromileptes altivelis(Valenciennes, 1829)
485	Thysanophrys chiltonae Schultz, 1966	516	Diploprion bifasciatum Cuvier, 1828
Order:	Perciformes	517	Epinephelus areolatus (Forsskal, 1775)
	mbassidae	518	Epinephelus bleekeri (Vaillant 1878)
488	Ambassis ambassis (Lacepède, 1802)	519	Epinephelus caeruleopunctatus (Bloch, 1790)
489	Ambassis buruensis Bleeker, 1856	520	Epinephelus chlorostigma
490	Ambassis buton Popta, 1918	320	(Valenciennes, 1828)
491	Ambassis dussumieri Cuvier, 1828	521	Epinephelus coioides (Hamilton, 1822)
492	Ambassis gymnocephalus (Lacepède, 1802)	522	Epinephelus corallicola(Valenciennes, 1828)
493	Ambassis interruptus Bleeker, 1852	523	Epinephelus erythrurus(Valenciennes, 1828)
494	Ambassis kopsii Bleeker, 1856	524	Epinephelus fasciatus (Forsskal, 1775)
495	Ambassis nalua (Hamilton, 1822)	525	Epinephelus faveatus(Valenciennes, 1828)
496	Ambassis urotaenia Bleeker, 1852	526	Epinephelus flavocaeruleus (Lacepede,1801)



527	Epinephelus fuscoguttatus(Forsskal, 1775)	Family:	: Centrogeniidae(False scorpionfishes)
528	Epinephelus hexagonatus (Forster, 1801)	559	Centrogenys vaigiensis (Quoy &
529	Epinephelus lanceolatus (Bloch, 1790)		Gaimard, 1824)
530	Epinephelus longispinis (Kner, 1864)	Family:	: PseudochromidaeDottybacks
531	Epinephelus macrospilos (Bleeker, 1855)	561	Congrogadus subducens (Richardson, 1843)
532	Epinephelus malabaricus (Bloch & Sch.,1801)	562	Ogilbyina novaehollandiae (Steindachner, 1879)
533	Epinephelus melanostigma Schultz, 1953	563	Pseudochromis cyanotaenia Bleeker, 1857
534	Epinephelus merra Bloch, 1793	564	Pseudochormis dutoiti Smith, 1955
535	Epinephelus miliaris (Valenciennes, 1830)	565	Pseudochromis fuscus
536	Epinephelus ongus (Bloch, 1790)	303	Muller & Troschel, 1849
537	Epinephelus polyphekadion (Bleeker,1849)	566	Pseudochromis xanthochir Bleeker, 1855
538	Epinephelus polystigma (Bleker,1853)	Family:	: PlesiopidaeLongfins
539	Epinephelus quoyanus(Valenciennes. 1830)	568	Plesiops caeruleolineatus Ruppell, 1835
540	Epinephelus radiatus (Day,1868)	569	Plesiops corallicola Bleeker, 1853
541	Epinephelus sexfasciatus	570	Plesiops oxycephalus Bleeker, 1855
5.42	(Valenciennes, 1828)	Family:	Opistognathidae
542	Epinephelus spilotoceps Schultz, 1953	572	Opistognathus annulata
543	Epinephelus tauvina (Forsskal, 1775)		(Eibl-Eibesfeldt & Klausewitz, 1961)
544	Epinephelus undulosus (Quoy & Gaimard, 1824)	573	Opistognathus albicaudatus Smith Vaniz 2011
545	Grammistes sexlineatus (Thunberg, 1792)	574	Opistognathus nigromarginatus
546	Plectropomus areolatus (Ruppell, 1830)		Ruppell 1828
547	Plectropomus laevis (Lacepede, 1802)	575	Opistognathus rosenbergii Bleeker, 1857
548	Plectropomus maculatus(Bloch,1790)	Family:	: Priacanthidae(Bigeyes)
549	Plectropomus pessuliferus (Fowler, 1904.)	577	Heteropriacanthus cruentatus (Lacepede, 1801)
550	Pogonoperca ocellata Gunther, 1859	578	Priacanthus blochii Bleeker, 1853
551	Pseudanthias squamipinnis Peters, 1855	579	Priacanthus hamrur (Forsskal, 1775)
552	Pseudanthias bimaculatus (Smith, 1955)	580	Priacanthus tayenus Richardson, 1846
553	Pseudanthias cooperi (Regan, 1902)	581	Pristigenys niphonia (Cuvier, 1829)
554	Pseudanthias hypelosoma Bleeker, 1878	Family	: APOGONIDAE (Cardinalfishes)
555	Pseudanthias ignitus (Randall and Lubbock, 1981)	583	Ostorhinchus angustatus (Smith & Radcliffe, 1911)
556	Variola albimarginata Baissac, 1952	584	Ostorhinchus aureus (Lacepede, 1802)
557	59. Variola louti (Forsskal, 1775)	585	Ostorhinchus ceramensis Bleeker, 1852



586	Ostorhinchus chrysotaenia Bleeker,1851	619	Cheilodipterus artus Smith, 1961
587	Ostorhinchus coccineus Ruppell, 1838	620	Cheilodipterus macrodon (Lacepede, 1802)
588	Ostorhinchus compressus (Smith and	621	Cheilodipterus lineatus Lacepede, 1802
	Radcliffe, 1911)	622	Cheilodipterus quinquelineatus Cuvier, 1828
589	Ostorhinchus cookie Macleay, 1881	623	Fowleria aurita (Valenciennes, 1831)
590	Ostorhinchus cyanosoma Bleeker, 1853	624	Fowleria punctulata (Ruppell, 1838)
591	Ostorhinchus ellioti Day, 1875	625	Pristiapogon fraenatus Valenciennes, 1832
592	Ostorhinchus endekataenia Bleeker, 1852	626	Pristiapogon kallopterus Bleeker, 1856
593	Ostorhinchus fasciatus (White, 1790)	627	Rhabdamia gracilis (Bleeker, 1856)
594	Ostorhinchus fleurieu (Lacepede,1802)	628	Siphamia tubifer Weber, 1909
595	Ostorhinchus fragilis Smith, 1961	629	Sphaeramia orbicularis (Kuhl & Van
596	Ostorhinchus guamensis Valenciennes, 1832		Hasselt, 1828)
597	Ostorhinchus hyalosoma Bleeker, 1852	630	Zoramia leptacanthus (Bleeker, 1857)
598	Ostorhinchus lateralis Valenciennes, 1832	Family: S	Sillaginidae
599	Ostorhinchus melas Bleeker, 1848	632	Sillago aeolus Jordan & Evermann, 1902
600	Ostorhinchus moluccensis	633	Sillago chondropus Bleeker, 1849
	Valenciennes, 1832	634	Sillago sihama (Forsskal, 1775)
601	Ostorhinchus multitaeniatus Cuvier 1828	Family: N	Malacanthidae
602	Ostorhinchus nigripinnis Cuvier, 1828	636	Malacanthus brevirostris Guichenot, 1848
603	Ostorhinchus novemfasciatus Cuvier, 1828	637	Malacanthus latovittatus (Lacepede, 1801)
604	Ostorhinchus poecilopterus Cuvier, 1828	Family: I	actariidae
605	Ostorhinchus properupta (Whitley, 1964)	639	Lactarius lactarius (Schneider, 1801)
606	Ostorhinchus quadrifasciatusCuvier, 1828	Family: (	Coryphaenidae
607	Ostorhinchus sangiensis Bleeker, 1857	641	Coryphaena hippurus Linnaeus, 1758
608	Ostorhinchus savayensis Gunther, 1872	Family: I	Rachycentridae
609	Ostorhinchus septemstriatus Günther, 1880	643	Rachycentron canadus (Linnaeus, 1766)
610	Ostorhinchus taeniatus Cuvier, 1828	Family: I	EcheneidaeSuckerfishes
611	Ostorhinchus thermalis Cuvier, 1829	645	Echeneis naucrates Linnaeus, 1758
612	Ostorhinchus trimaculatus Cuvier, 1828	646	Remora remora (Linnaeus, 1758)
613	Ostorhinchus wassinki Bleeker, 1861	Family: (	Carangidae
614	Apogonichthys ocellatus (Weber, 1913)	648	Alectis ciliaris (Bloch, 1788)
615	Apogonichthys perdix Bleeker, 1854	649	Alectis indicus (Ruppell, 1830)
616	Archamia fucata (Cantor, 1850)	650	Alepes djedaba (Forsskal, 1775)
617	Archamia macroptera (Cuvier,1828)	651	Alepes kleinni (Bloch, 1793)
618	Cheilodippterus arabicus Gmelin, 1789	652	Alepes melanoptera Swainson,1839



653	Alepes para (Cuvier, 1838)	684	Scomberoides commersonnianus
654	Atropus atropus (Bloch and Schneider 1833)	60 <del>-</del>	Lacepede, 1802
655	Atule mate (Cuvier, 1833) Yellowtail Scad	685	Scomberoides lysan (Frosskal, 1775)
656	Carangoides armatus (Ruppell, 1830)	686	Scomberoides tala (Cuvier, 1831)
657	Carangoides caeruleopinnatus	687	Scomberoides tol (Cuvier, 1832)
	(Ruppell, 1830)	688	Selar boops (Cuvier, 1833)
658	Carangoides chrysophrys (Cuvier, 1833)	689	Selar crumenophthalmus (Bloch, 1739)
659	Carangoides ciliarius (Ruppell, 1830)	690	Selaroides leptolepis (Cuvier, 1833)
660	Carangoides dineam Bleeker, 1851	691	Seriola rivoliana Valenciennes, 1833
661	Carangoides ferdau (Forsskal, 1775)	692	Seriolina nigrofasciatus (Ruppell, 1828)
662	Carangoides fulvoguttatus(Forsskal, 1775)	693	Trachinotus baillonii Lacepede, 1801
663	Carangoides gymnostethus (Cuvier, 1833)	694	Trachinotus blochii (Lacepede, 1801)
664	Carangoides hedlandensis (Whitely, 1934)	695	Ulua mentalis (Ehrenberg and
665	Carangoides humerosus (Mc Culloch,1915)		Valenciennes, )
666	Carangoides malabaricus		:Menidae
	(Bloch & Sch., 1801)	697	Mene maculate (Bloch & Sch., 1801)
667	Carangoides oblongus (Cuvier, 1833)	Family	: Leiognathidae(Ponyfishes)
668	Carangoides plagiotaenia Bleeker, 1857	699	Gazza achlamys Jordan and Starks, 1917
669	Carangoides talamparoides Bleeker, 1852	700	Gazza minuta (Bloch, 1797)
670	Carangoides uii Wakiya, 1852	701	Leiognathus berbis (Valenciennes, 1835)
671	Caranx carangus Bloch, 1793	702	Leiognathus bindus (Valenciennes, 1835)
672	Caranx ignobilis (Forsskal, 1775)	703	Leiognathus blochi (Valenciennes, 1835)
673	Caranx melampygus Cuvier, 1801	704	Leiognathus brevirostris
674	Caranx sexfasciatus Quoy & Gaimard, 1824		(Valenciennes, 1835)
675	Caranx tille Cuvier,1833	705	Leiognathus daura (Cuvier, 1829)
676	Decapterus macrosoma Bleeker,1851	706	Leiognathus dussumieri(Valenciennes, 1835)
677	Decapterus kurroides Bleeker,1851	707	Leiognathus equula (Forsskal, 1775)
678	Decapterus maruadsi B (Temminck and	708	Leiognathus fasciatus (Lacepede, 1803)
	Schlegel,1843)	709	Leiognathus leuciscus (Gunther, 1860)
679	Decapterus russelli (Rüppell, 1830)	710	Leiognathus lineolatus (Valenciennes, 1835)
680	Elegatis bipinnulata	711	Leiognathus longispnis(Valenciennes, 1835)
	(Quoy & Gaimard, 1824)	712	Leiognathus splendens (Cuvier, 1829)
681	Gnathanodon speciosus (Forsskal, 1775)	713	Macilentichthys indicus
682	Megalaspis cordyla (Linnaeus, 1758)		(Sing and Talwar, 1978)
683	Parastromateus niger (Bloch,1795)	714	Secutor insidiator (Bloch, 1787)



715	Secutor ruconicus (Hamilton	748	Lutjanus russelli (Bleeker, 1849)
	Buchanan,1822)	749	Lutjanus sanguineus(Cuvier)
Family: Bramidae		750	Lutjanus sebae (Cuvier, 1816)
717	Steinegeria rubescens Jordan & Evermann, 1887	751	Lutjanus vitta (Quoy & Gaimard, 1824)
Family: L	outjanidaeSnappers	752	Macolor niger (Forsskal, 1775)
719	Aphareus furca (Lacepede, 1801)	753	Paracaesio sordida Abe & Shinohare, 1962
720	Aphareus rutilans (Cuvier, 1830)	754	Paracaesio xanthura (Bleeker, 1869)
721	Aprion virescens Valenciennes, 1830	755	Pinjalo pinjalo (Bleeker, 1850)
722	Etelis carbunculus Cuvier	756	Pinjalo lewisiRandall,
723	Etelis coruscans Valenciennes		Allen & Anderson, 1987
724	Lipocheilus carnolabrum (Chan ,1970)	757	Pristipomoides filamentosus (Valenciennes)
725	Lutjanus argentimaculatus(Forsskal, 1775)	758	Pristipomoides multidens (Day, 1871)
726	Lutjanus bengalensis (Bloch, 1790)	759	Pristipomoides sieboldii (Bleeker, 1855)
727	Lutjanus biguttatus(Valenciennes, 1830)	760	Pristipomoides typus Bleeker, 1852
727	Lutjanus bohar (Forrskal, 1775)	761	Pristipomoides zonatus
729	Lutjanus boutton (Lacepede, 1802)	701	(Valenciennes, 1830)
730	Lutjanus carponotatus (Richardson 1842)	762	Symphorus nematophorus (Bleeker, 1860)
730		Family:C	aesionidae(Fusilisers)
732	Lutianus decussates (Cuvier, 1828)	764	Caesio caerulaurea Lacepede, 1801
733	Lutianus ehrenbergii Peters, 1869	765	Caesio cuning (Bloch, 1791)
734	Lutianus erythropterus Bloch, 1790	766	Caesio lunaris Cuvier, 1830
	Lutjanus fluviflamma (Forsskal, 1775)	767	Caesio teres Seale, 1906
735	Lutjanus fulvus (Schneider, 1801)	768	Caesio varilineata Carpenter, 1987
736	Lutjanus gibbus (Forsskal, 1775)	769	Caesio xanthonota (Bleeker, 1845)
737	Lutjanus guilcheri Fourmanoir, 1959	770	Dipterygonotus balteatus
738	Lutjanus johnii (Bloch, 1792)		(Valenciennes, 1830)
739	Lutjanus kasmira (Forsskal, 1775)	771	Gymnocaesio gymnoptera (Bleeker, 1856)
740	Lutjanus lemniscatus(Valenciennes, 1828)	772	Pterocaesio chrysozona (Cuvier, 1830)
741	Lutjanus lunulatus (Park, 1797)	773	Pterocaesio marri Schultz, 1953
742	Lutjanus lutjanus Bloch, 1790	774	Pterocaesio pisang (Bleeker, 1853)
743	Lutjanus madras (Valenciennes, 1831)	775	Pterocaesio tessellate Carpenter, 1987
744	Lutjanus malabaricus (Schneider, 1801)	776	Pterocaesio tile (Cuvier, 1830)
745	Lutjanus monostigma (Cuvier, 1828)	777	Pterocaesio trilineata Carpenter, 1987
746	Lutjanus quinquelineatus (Bloch, 1790)	Family:L	obotidae(Tripletails)
747	Lutjanus rivulatus (Cuvier, 1828)	779	Lobotes surinamensis (Bloch,1790)



Family:Gerreidae(Silverbiddy) 8			Nemipterus hexodon
781 <i>Gerres abbreviates</i> (Bleeker, 1850)		010	(Quoy & Gaimard, 1824)
782	Gerres filamentosus Cuvier, 1829	811	Nemipterus japonicas (Bloch, 1791)
783	Gerres longirastris (Cuvier, 1829)	812	Nemipterus luteus (Schneider, 1801)
784	Gerres oblongus Cuvier, 1830	813	Nemipterus mesoprion (Bleeker, 1853)
785		814	Nemipterus metopias (Bleeker, 1852)
786	Gerres oyena (Forsskal, 1775)  Gerres poeti Cuvier, 1829	815	Nemipterus nemurus (Bleeker, 1857)
780 787	Gerres setifer (Hamilton, 1822)	816	Nemipterus peronii (Valenciennes, 1830)
788	• • • • • • • • • • • • • • • • • • • •	817	Nemipterus randalli Russell, 1986
	Pentaprion longimanus (Cantor, 1849)	818	Nemipterus tolu (Valenciennes, 1830)
·	Jaemulidae(Sweetlips)	819	Nemipterus zysron (Bleeker, 1853)
790	Diagramma pictum (Thunberg, 1792)	820	Parascolopsis eriomma (Jordan &
791	Plectorhinchus albovittatus (Rüppell, 1838)		Richardson, 1909)
792	Plectorhinchus chaetodonoides Lacepede, 1800	821	Parascolopsis inermis (Temminck & Schlegel, 1843)
793	Plectorhinchus diagrammus	822	Scolopsis auratus (Park,1797)
704	(Linnaeus, 1758)	823	Scolopsis bilineatus (Bloch, 1793)
794	Plectorhinchus flavomaculatus (Cuvier, 1830)	824	Scolopsis cancellatus Valenciennes, 1820
795	Plectorhinchus gibbosus(Lacepede, 1802)	825	Scolopsis ciliates (Lacepede, 1802)
796	Plectorhinchus orientalis (Bloch, 1793)	826	
797	Plectorhinchus rayi (Menon and Talwar, 1973)	827	Scolopsis dubiosus Weber, 1913
798	Plectorhinchus schotaf (Forsskal, 1775)	828	Scolopsis frenata (Cuvier, 1830)
799	Plectorhinchus sordidus (Klunzinger, 1870)	829	Scolopsis ghanam (Forsskal, 1775) Scolopsis leucotaenia Bleeker, 1852
800	Pomadasys argenteus (Forsskål, 1775)	830	Scolopsis lineatus Quoy & Gaimard, 1824
801	Pomadasys argyeus (Valenciennes, 1833)	831	Scolopsis uneatus Quoy & Gainiard, 1824 Scolopsis monogramma (Cuvier, 1830)
802	Pomadasys furcatus	832	• • • • • • • • • • • • • • • • • • • •
002	(Bloch & Schneider, 1801)		Scolopsis margaritifer(Valenciennes, 1830)
803	Pomadasys guoraca (Cuvier, 1829)	833 834	Scolopsis personatus (Cuvier, 1830)
804	Pomadasys kaakan (Cuvier, 1830)		Scolopsis taeniopterus (Cuvier, 1830)
805	Pomadasys maculatus (Blotch, 1793)	835	Scolopsis vosmeri Bloch,1792
Family: Nemipteridae		836	Scolopsis xenochrous Gunther, 1872
807	Nemipterus bipunctatus	-	Lethrindae(Emperor)
	(Valencienneus, 1830)	838	Gnathodentex aureolineatus(Lacepede, 1802)
808	Nemipterus bleekeri (Day, 1875)	839	Gymnocranius elongates Senta, 1973
809	Nemipterus furcosus (Valenciennes, 1830)	840	Gymnocranius grandoculis (Vaclenciennes, 1830)



841	Gymnocranius griseus (Temminck & Schlegel, 1843)	874	Johnius belangerii (Cuvier,1830)
0.42		875	Johnius carouna (Cuvier, 1830)
842	Lethrinus amboinensis Bleeker, 1854	876	Johnius carutta Bloch, 1793
843	Lethrinus barbonicus Valenciennes, 1830	877	Johnius dussumieri (Cuvier, 1830)
844	Lethrinus conchyliatus (Smith, 1959)	878	Johnius macropterus (Bleeker, 1853)
845	Lethrinus erythracanthus Valenciennes, 1830	879	Otolithus ruber (Schneider, 1801)
846	Lethrinus erythropterus Valenciennes, 1830	880	Nibea soldado (Lacepède, 1802)
847	Lethrinus harak (Forsskal, 1775)	881	Pennahia anea (Bloch, 1793)
848	Lethrinus lentjan (Lacepede, 1802)	882	Pennahia macrophthalmus(Bleeker, 1856)
849	Lethrinus mahsena (Forsskal, 1775)	Family: N	MullidaeGoatfishes
850	Lethrinus microdon Valenciennes, 1830	884	Mulloidichthys flavolineatus(Lacepede, 1801)
851	Lethrinus nebulosus (Forsskal, 1775)	885	Mulloidichthys ayliffe Uiblein, 2011
852	Lethrinus obsoletus (Forsskal, 1775)	886	Mulloidichthys vanicolensis
853	Lethrinus olivacus Valenciennes, 1830		(Valenciennes, 1831)
854	Lethrinus ornatus Valenciennes, 1830	887	Parupeneus barberinus (Lacepede, 1801)
855	Lethrinus rubrioperculatus Sato, 1978	888	Parupeneus cyclostomus (Lacepede, 1801)
856	Lethrinus variegates Valenciennes, 1830	889	Parupeneus forsskali
857	Lethrinus xanthochilus Klunzinger, 1870		(Fourmanoir &Gueze, 1976)
858	Monotaxis grandoculis (Forsskal, 1775)	890	Parupeneus heptacanthus(Lacepède 1802)
859	Wattasia mossambica (Smith, 1957)	891	Parupeneus indicus (Shaw, 1803)
860	Family:Sparidae	892	Parupeneus macronema (Lacepede, 1801)
861	Acanthopagrus berda (Forsskal, 1775)	893	Parupeneus pleurostigma (Bennett, 1831)
862	Argyrops spinifer (Forsskål, 1775)	894	Parupeneus rubescens (Lacepède, 1801)
Family:Po	olynemidae	895	Parupeneus spilurus (Bleeker, 1854)
864	Eleutheronema tetradactylum (Shaw, 1804)	896	Parupeneus trifasciatus (Lacepede, 1801)
865	Filimanus heptadactyla (Cuvier, 1829)	897	Upeneus guttatus (Day, 1868)
866	Leptomelanosoma indicum (Shaw, 1804)	898	Upeneus moluccensis (Bleeker, 1855)
867	Polydactylus microstomus (Bleeker, 1851)	899	Upeneus sulphureus Cuvier, 1829
868	Polydactylus plebeius (Broussonet, 1782)	900	Upeneus tragula Richardson, 1846
869	Polydactylus sexfilis (Valenciennes, 1831)	901	Upeneus vitalatus (Forsskal, 1775)
870	Polynemus melanochir Linnaeus, 1758	Family: I	Pempheridae
Family: S	•	903	Parapriacanthus ansonneti
872	Dendrophysa russelli (Cuvier, 1830)		Steindachner, 1870
		904	Pempheris moluca Cuvier, 1829
873	Johnius amblycephalus (Bleeker, 1855)	905	Pempheris adusta Bleeker, 1877



906	Pempheris oualensis Cuvier, 1831	939	Chaetodon meyeri (Bloch & Schn., 1801)
907	Pempheris vanicolensis Cuvier, 1831	940	Chaetodon octofasciatus Bloch, 1787
908	Bathyclupea hoskynii Alcock, 1891	941	Chaetodon ornatissimus Cuvier, 1831
Family:N	Monodactylidae	942	Chaetodon oxycephalus Bleeker, 1853
910	Monodactylus argenteus (Linnaeus, 1758)	943	Chaetodon plebeius Cuvier, 1831
Family:	Toxotidae	944	Chaetodon punctatofasciatus Cuvier, 1831
912	Toxoteschatareus (Hmailton-Buchnan)	945	Chaetodon rafflesii Bennett, 1830
913	<i>Toxotesjaculator</i> Pallas	946	Chaetodon semeion Bleeker, 1855
Family:	Kyphosidae(Seachubs)	947	Chaetodon triangulum Cuvier, 1831
915	Kyphosus bigibbus Lacepède, 1801	948	Chaetodon trifascialis Quoy & Gaimard, 1825
916	Kyphosus cinerascens (Forsskal, 1775)	949	Chaetodon trifasciatus Mungo Park, 1797
917	Kyphosus vaigiensis(Quoy & Gaimard, 1825)	950	Chaetodon vagabundus Linnaeus, 1758
Family:I	Orepanidae(Sicklrfishes)	951	Chaetodon unimaculatus Bloch, 1787
919	Drepane longimana (Bloch & Scneider)	952	Chaetodon xanthocephalus Bennett,1833
920	Drepane punctata (Linnaeus, 1758)	953	Chaetodon xanthurus Ahl, 1923
Family:	ChaetodontidaeButterfly Fishes	954	Chelmon rostratus (Linnaeus, 1758)
922	Chaetodon andamanensis	955	Coradion altivelis (McCulloch, 1916)
923	Kuiter and Debelius, 1999  Chaetodon aruiga Forsskal, 1775	956	Forcipiger flavissimus Jordan & McGregor, 1898
924	Chaetodon bennetti Cuvier, 1831	957	Forcipiger longirostris (Broyssonet, 1782)
925	Chaetodon citrinellus Cuvier, 1831	958	Hemitaurichthys polyepis (Bleeker, 1857)
926	Chaetodon collare Bloch, 1787	959	Hemitaurichthys zoster (Bennet, 1831)
927	Chaetodon decussates Cuvier, 1829	960	Heniochus acuminatus (Linnaeus, 1758)
928	Chaetodon ephippium Cuvier, 1831	961	Heniochus diphreutes Jordan, 1903
929	Chaetodon falcula Bloch, 1793	962	Heniochus pleurotaenia Ahl, 1923
930	Chaetodon garderi Norman, 1939	963	Heniochus singularius Smith & Redcliffe, 1911
931	Chaetodon guttatissimus Bennett, 1832	964	Heniochus varius (Cuvier, 1829)
932	Chaetodon interruptus Ahl, 1923	Family: 1	Pomacanthidae(Anglefishes)
933	Chaetodon kleinii Bloch, 1790	966	Apolemichthys trimaculatus(Cuvier, 1831)
934	Chaetodon lineolatusCuv. & Gaimard, 1831	967	Apolemichthys xanthurus (Bennett,1833)
935	Chaetodon lunula (Lacepede, 1803)	968	Centropyge bicolor (Bloch, 1787)
936	Chaetodon madagaskariensis Ahl, 1923	969	Centropyge bispinosus (Gunther, 1860)
937	Chaetodon melannotus	970	Centropyge eibli Klausewitz, 1963
938	Bloch & Schneider, 1801 Chaetodon mertensii Cuvier, 1831	971	Centropyge flavipectoralis Randall & Klausewitz



972	Centropyge flavissima (Cuvier, 1831)	Family: F	Pomacentridae(Damselfishes)
973	Centropyge multispinis (Playfair, 1867)	1006	Abudefduf bengalensis (Blcoh, 1787)
974	Centropyge nox (Bleeker, 1853)	1007	Abudefduf notatus (Day, 1870)
975	Centropyge tibicen (Cuvier, 1831)	1008	Abudefduf septemfasciatus (Cuvier, 1830)
976	Centropyge vrolikii (Bleeker, 1835)	1009	Abudefduf sexatilis (Linnaeus 1758)
977	Chaetodontoplus melanosoma	1010	Abudefduf sordidus (Forsskal, 1775)
	(Bleeker, 1853)	1011	Abudefdaf vaigiensis
978	Chaetodontoplus mesoleucus (Bloch, 1787)	1012	(Quoy & Gaimard, 1825)
979	Genicanthus lamarck (Lacepede, 1802)	1012	Amblyglyphidodon aureus (Cuvier, 1830)
980	Pomacanthus annularis (Bloch, 1787)	1013	Amblyglyphidodon indicus Allen & Randall, 2002
981	Pomacanthus imperator (Bloch, 1787)	1014	Amblyglyphidodon silona Allen,
982	Pomacanthus navarchus (Cuvier, 1831)		Erdmann & Drew, 2012
983	Pomacanthus semicirculatus(Cuvier, 1831)	1015	Amblyglyphidodon leucogaster (Bleeker, 1847)
984	Pomacanthus sexstriatus (Cuvier, 1831)	1016	Amblyglyphidodon ternatensis
985	Pomacanthus xanthometapon(Bleker, 1853)	1010	(Bleeker, 1853)
986	Pygoplites diacanthus (Boddaert, 1772)	1017	Amblypomacentrus breviceps(Schlegal &
	Geraponidae(Thornfishes)	1010	Muller, 1839-41)
988	Pelates quadrilineatus (Bloch, 1790)	1018	Amphiprion akallopisos Bleeker, 1853
989	Terapon jarbua (Forsskal, 1775)	1019	Amphiprion clarkii (Bennett, 1830)
990	Terapon puta Cuvier, 1829	1020	Amphiprion ephippium (Bloch, 1790)
991	Terapon theraps (Cuvier, 1829)	1021	Amphiprion frenatus Brevoort, 1856
Family: K	<b>Xuhliidae</b> (Flagtails)	1022	Amphiprion ocellaris Cuvier, 1830
993	Kuhlia marginata (Cuvier, 1829)	1023	Amphiprion perideraion Bleeker, 1855
994	Kuhlia mugil (Forster, 1801)	1024	Amphiprion polymnus (Linnaeus, 1758)
995	Kuhlia rupestris (Lacepede, 1802)	1025	Amphiprion sebae Bleeker, 1853
Family: C	Cirrihitidae(Hawkfishes)	1026	Cheiloprion labiatus (Day, 1877)
997	Cirrhitichthys aprinus (Cuvier, 1829)	1027	Chromis atripectoralis
998	Cirrhitichthys falco Randall, 1963	1000	Welander & Schultz, 1951
999	Cirrhitichthysoxycephalus(Bleeker, 1855)	1028	Chromis caerulea (Cuvier, 1830)
1000	Cirrhitus pinnulatus (Schneider, 1801)	1029	Chromis dimidiata (Klunzinger, 1871)
1001	Oxycirrhites typus Bleeker, 1857	1030	Chromisflavicauda (Gunther, 1880)
1002	Paracirrhites forsteri (Schneider, 1801)	1031	Chromis margaritifer Fowler, 1946
Family: C	Cichlidae (Cichlids)	1032	Chromis opercularis Gunther, 1867
1004	Orechromis mossambica (Peters, 1852)	1033	Chromis ternatensis (Bleeker, 1856)



1034	Chromis viridis (Cuvier, 1830)	1065	Pomacentrus alleni Burgess, 1981
1035	Chromis weberi Fowler & Bean, 1928	1066	Pomacentrus amboinensis Bleeker, 1868
1036	Chromis xanthochira (Bleeker, 1851)	1067	Pomacentrus bankanensis Bleeker, 1854
1037	Chrysiptera biocellata	1068	Pomacentrus chrysurus Cuvier, 1830
	Quoy & Gaimard, 1824	1069	Pomacentrus indicus Allen 1991
1038	Chrysiptera browniriggi (Bennett, 1828)	1070	Pomacentrus lepidogenys
1039	Chrysiptera caeruleolineatus (Allen, 1973)		Fowler and Ball, 1928
1040	Chrysiptera cyanea	1071	Pomacentrus littoralis Cuvier, 1830
1041	(Quoy & Gaimard, 1825)	1072	Pomacentrus moluccensis Bleeker, 1853
1041	Chrysiptera glauca (Cuvier, 1830)	1073	Pomacentrus nagasakiensis Tanaka, 1917
1042 1043	Chrysiptera leucopoma (Cuvier, 1830) Chrysiptera rollandi (Whitley, 1961)	1074	Pomacentrus philippinus Evermann and Seale, 1907
1044	Chrysiptera talboti (Allen, 1975)	1075	Poamacentrus similis Allen, 1991
1045	Chrysiptera unimaculata (Cuvier, 1830)	1076	Pomacentrus trilineatus Cuvier, 1830
1046	Dascyllus aruanus (Linnaeus, 1758)	1077	Pomacentrus tripunctatus Cuvier, 1830
1047	Dascyllus carneus Fischer, 1885	1078	Premnas biaculeatus (Bloch, 1790)
1048	Dascyllus marginatus (Ruppell, 1828)	1079	Stegastes albifasciatus
1049	Dascyllus melanurus Bleeker, 1854		(Schlegel & Muller, 1839)
1050	Dascyllus reticulates (Richardson, 1846)	1080	Stegastes lividus (Forster, 1801)
1051	Dascyllus trimaculatus (Ruppell, 1829)	1081	Stegastes nigricans (Lacepede, 1802)
1052	Dischistodus perspicillatus (Cuvier, 1830)	Family: I	Labridae(Wrasses)
1053	Dischistodus prosopotaenia (Bleeker, 1852)	1083	Anampses caeruleopunctatus Ruppell, 1829
1054	Hemiglyphidodon plagiometopon	1084	Anampses meleagrides Valenciennes, 1840
	(Bleeker, 1852)	1085	Bodianus axillaris (Bennett, 1832)
1055	Neoglyphidodon bonang (Bleeker, 1852)	1086	Bodianus diana (Lacepede, 1801)
1056	Neoglyphidodon melas (Cuvier, 1830)	1087	Bodianus leucosticticus (Bennett, 1832)
1057	Neoglyphidodon nigroris (Cuvier, 1830)	1088	Bodianus mesothorax
1058	Neoglyphidodon oxyodon (Bleeker, 1858)	1000	(Bloch & Schneider, 1801)
1059	Neopomacentrus azysron (Bleeker, 1877)	1089	Cheilinus chlorurus (Bloch, 1791)
1060	Neopomacentrus taeniurus (Bleeker, 1856)	1090	Cheilinus diagrammus (Lacepede, 1801)
1061	Neopomacentrus violascens (Bleeker, 1848)	1091	Cheilinus fasciatus (Bloch, 1791)
1062	Parma oligolepis Gunther, 1862	1092	Cheilinus trilobatus Lacepede, 1801
1063	Plectroglyphidodon dickii (Lienard, 1839)	1093	Cheilinus undulates Ruppell, 1835
1064	Plectroglyphidodon lacrymatus(Quoy &	1094	Cheilio inermis (Forsskal, 1775)
	Gaimard, 1825)	1095	Choerodon anchorago (Bloch, 1791)



1096	Choerodon melanostigma Fowler & Bean, 1928	1127	Iniistius pentadactylus (Linnaeus, 1758)
1007	•	1128	Labrichthys unilineatus (Guichenot, 1847)
1097	Choerodon robustus (Gunther, 1862)	1129	Labroides bicolor Fowler & Bean, 1928
1098	Coris aygula Lacepede, 1801	1130	Labroides dimidiatus (Valenciennes, 1839)
1099 1100	Corisaurilineata Randall & Kuiter, 1982 Coris batuensis (Bleeker, 1857)	1131	Macropharyngodon meleagris (Valenciennes, 1839)
1100	, , ,	1122	
	Coris gaimard (Quoy & Gaimard, 1824)	1132	Novaculichthys taeniourus (Lacepede, 1801)
1102	Cymolutes lecluse (Quoy & Gaimard, 1824)	1133	Oxychelinius diagrammus (Lacepede, 1801)
1103	Cymolutes praetextatus (Quoy & Gaimard, 1834)	1134	Pseudocheilinus hexataenia (Bleeker,1857)
1104	Cymolutes torquatus (Valenciennes, 1840)	1135	Pseudodax moluccanus (Valenciennes, 1840)
1104		1136	Stethojulis interrupta (Bleeker, 1851)
	Diproctacanthus xanthurus (Bleeker, 1856)	1137	Stethojulis strigiventer (Bennett, 1832)
1106	Epibulus insidiator (Palla, 1770)	1138	Stethojulis trilineata (Bloch & Sch., 1801)
1107	Gomphosus caeruleus Lacepede, 1801	1139	Thalassoma amblycephalum (Bleeker, 1856)
1108	Halichoeres argus (Schneider, 1801)	1140	Thalassoma hardwicke (Bennett, 1830)
1109	Halichoeres bicolor (Bloch & Schneider, 1801)	1141	Thalassoma hebraicum (Lacepède, 1801)
1110	Halichoeres chloropterus (Bloch, 1791)	1142	Thalassoma jansenii (Bleeker, 1856)
1111	Halichoeres chrysus Randall, 1980	1143	Thalassoma lunare (Linnaeus, 1758)
1112	Halichoeres hortulanus (Lacepede, 1801)	1144	Thalassoma lutescens (Lay & Bennett, 1839)
1113	Halichoeres leucurus Walbaum,1792	1145	Thalassoma purpureum (Forsskal, 1775)
1114	Halichoeres leucoxanthus	1146	Thalassoma quinquevittatum (Lay & Bennett, 1839)
1115	Randall and Smith, 1982	Family:S	caridae(Parrotfishes)
1115	Halichoeres margaritaceus (Valienciennes, 1839)	1148	Bolbometopon muricatum
1116	Halichoeres marginatus Ruppell, 1835		(Valenciennes,1840)
1117	Halichoeres melanurus (Bleeker, 1851)	1149	Calotomus carolinus (Valenciennes, 1840)
1118	Halichoeres nebulosus (Valencienns, 1839)	1150	Calotomus spinidens (Quoy & Gaimard, 1824)
1119	Halichoeres nigrescens Bloch & Sch. 1801	1151	Calotomus viridescens (Ruppell, 1835)
1120	Halichoeres scapularis (Bennett, 1831)	1152	Cetoscarus bicolor (Ruppell, 1829)
1121	Halichoeres timorensis (Bleeker, 1852)	1153	Chlorurus bleekeri (de Beaufort,1940)
1122	Halichoeres vrolikii (Bleeker, 1855)	1154	
1123	Hemigymnus fasciatus (Bloch, 1792)		Chlorurus enneacanthus (Lacepede, 1802)
1124	Hemigymnus melanopterus (Bloch, 1791)	1155	Chlorurus gibbus Ruppell, 1829
1125	Hologymnosus annulatus (Lacepede, 1801)	1156	Chlorurus japanensis Bloch,1789
1126	Iniistius pavo (Valenciennes, 1840)	1157	Chlorurus sordidus (Forsskal, 1775)
1120	Time para ( raidioidinios, 10 10)		



1158	Chlominia atuanguanhalus (Plastrar 1954)	Eamily, T	wishonstides (Sand Divers)
	Chlorurus strongycephalus (Bleeker, 1854)	•	Trichonotidae(Sand-Divers)
1159	Hipposcarus harid (Forsskal,1775)	1192	Trichonotus setiger Bloch & Schneider, 1801
1160	Leptoscarus vaigiensis (Quoy & Gaimard, 1824)		ercophidae(Duckbills)
1161	Scarus dimidiatus Bleeker, 1859	1194	Bembrops caudimacula Steindachner, 1876
1162	Scarus dubius Bennett, 1828	1195	Bembrops platyrhynchus (Alcock, 1894)
1163	Scarus ferrugineus Forsskål, 1775	•	holidichthyidae(Convict blenny)
1164	Scarus festivus Valenciennes, 1840	1197	Pholidichthys leucotaenia Bleeker, 1856
1165	Scarus flavipectoralis Schultz, 1958	Family:Ti	ripterygiidae
1166	Scarus frenatus Lacepede, 1802	1199	Enneapterygius fasciatus (Weber, 1909)
		1200	Helcogramma gymnauchen (Weber, 1909)
1167	Scarus ghobban Forsskal, 1775	1201	Helcogramma striatum Hansen, 1986
1168	Scarus globiceps Valenciennes, 1840	1202	Tripterygion trigloides Bleeker, 1858
1169	Scarus niger Forsskal, 1775	1203	Ucla xenogrammus Holleman, 1993
1170	Scarus prasiognathos Valenciennes, 1840	Family: B	Blennidae(Blennies)
1171	Scarus psittacus Forsskal, 1775	1205	Alloblennius frondiculus Smith Vaniz &
1172	Scarus quoyi Valenciennes 1840		Allen 2012
1173	Scarus rivulatus Valenciennes, 1840	1206	Alticus kirkii (Gunther, 1868)
1174	Scarus rubroviolaceous Bleeker, 1847	1207	Alticus saliens (Forster, 1788)
1175	Scarus scaber Valenciennes, 1840	1208	Andamia heteroptera (Bleeker, 1857)
1176	Scarus taeniurus Cuvier & Val., 1839	1209	Andamia reyi (Sauvage, 1880)
Family: C	Chiasmodontidae(Swallowers)	1210	Aspidontus taeniatus Quoy & Gaimard, 1834
1178	Dysalotus alcocki MacGilchrist, 1905	1211	Aspidontus tractus Fowler, 1903
Family: C	Champsodontidae(Gapers)	1212	Atrosalarias fuscus (Ruppell, 1835)
1180	Champsodon capensis Regan, 1908	1213	Blenniella bilitonensis (Bleeker, 1858)
Family: P	inguipedidae(Sandperch)	1214	Blenniella cyanostigma (Bleeker, 1849)
1182	Parapercis clathrata Ogilby, 1911	1215	Blenniella interrupta (Bleeker, 1857)
1183	Parapercis cylindrical (Bloch, 1792)	1216	Blenniella leopardus (Fowler, 1904)
1184	Parapercis hexophthalma (Ehrenberg, 1829)	1217	Blenniella periophthalmus (Valenciennes,
1185	Parapercis lineopunctataRandall, 2003	1836)	
1186	Parapercis millepunctata (Gunther, 1860)	1218	Blennius semifasciatus Ruppell, 1835
1187	Parapercis schauinslandi	1219	Cirripectes filamentosus (Alleyne & Macleay, 1877)
1188	Parapercis snyderi Jordan and Starks, 1905	1220	Cirripectes perustus Smith, 1959
1189	Parapercis tetracanthus (Lacepede, 1801)	1221	Cirripectes polyzona (Bleeker, 1868)
1190 Parapercis xanthozona (Bleeker, 1849)	1222	Cirripectes stigmaticus Strasburg & Schultz, 1953	



1223	Ecsenius bicolor (Day, 1888)	1255	Salarias alboguttatus Kner, 1867
1224	Ecsenius lineatus Klausewitz, 1962	1256	Salaries bleekeri Chapman, 1951
1225	Ecsenius midas Starck, 1969	1257	Salarias fasciatus (Bloch, 1786)
1226	Ecsenius paroculus Springer,1988	1258	Salarias guttatus Valenciennes, 1836
1227	Ecsenius trilineatus Springer, 1972	1259	Xiphasia setifer Swainson, 1839
1228	Ecsenius stictus Springer, 1988	Family: (	Callionymidae(Dragonets)
1229	Enchelyurus kraussi (Klunzinger, 1871)	1261	Callionymus filamentosus
1230	Entomacrodus epalzeocheilos (Bleeker, 1859)		Valenciennes, 1837
1231	Entomacrodus striatus	1262	Callionymus japonicas Houttuyn, 1782
	(Quoy & Gaimard, 1836)	1263	Eleutherochir opercularis (Cuv. & Val. 1837)
1232	Entomacrodus vermiculatus (Valenciennes, 1836)	1264	Dactylopus kuiteri Fricke 1992
1233	Exallias brevis (Kner, 1868)	1265	Synchiropus splendidus (Herre, 1927)
1234	Istiblennius andamensis (Day, 1876)	1266	Synchiropus stellatus Smith, 1963
1235	Istiblennius dussumieri (Valenciennes, 1836)	Family: I	Eleotridae(Sleepers)
1236	Istiblennius edentulous (Schneider, 1801)	1268	Belobranchus segura Keith,
1237	Istiblennius lineatus (Valenciennes, 1836)		Hadiaty and Lord, 2012
1237	Meiacanthus grammistes	1269	Belobranchus belobranchus (Valenciennes, 1837)
1230	(Valenciennes, 1836)	1270	Bostrichthys sinensis (Lacepede, 1802)
1239	Meiacanthus smithi Klausewitz, 1962	1270	Bunaka gyrinoides (Bleeker, 1853)
1240	Omobranchus elongatus (Peters, 1855)	1272	Butis amboinensis (Bleeker, 1853)
1241	Omobranchus punctatus	1273	Butis butis (Hamilton-Buchanan, 1822)
	(Valenciennes, 1836)	1274	Butis gymnopomus (Bleeker, 1853)
1242	Omobranchus obliquus (Garman, 1903)		Butis koilomatodon (Bleeker, 1849)
1243	Omobranchus zebra (Bleeker, 1868)	1275	
1244	Parenchelyurus hepburni (Synder, 1908)	1276	Eleotris andamensis Herre, 1939
1245	Plagiotremus phenax Smith-Vaniz, 1976	1277	Eleotris feliceps Blyth, 1960
1246	Plagiotremus rhinorhychos (Bleeker, 1852)	1278	Eleotris fusca (Schneider, 1801)
1247	Plagiotremus tapeinosoma (Bleeker, 1857)	1279	Eleotris lutea Day, 1876
1248	Praealticus triangulus (Chapman, 1951)	1280	Giuris margaritacea (Valenciennes 1837)
1249	Pteroscirtes breviceps (Valenciennes, 1836)	1281	Hypseleotris guentheri (Bleeker, 1875)
1250	Pteroscirtes mitratus Ruppell, 1830	1282	Ophiocara porocephala (Valenciennes, 1837)
1251	Petroscirtes variabilis Cantor, 1849	1283	Parioglossus raoi (Herre, 1939)
1252	Praealticus dayi (Whitelay, 1929)		-
1253	Praealticus triangulus (Chapman, 1951)	-	Kraemeriidae(Sandfishes)
1254	Rhabdoblennius snowi (Fowler, 1928)	1285	Kraemericus smithi Menon & Talwar, 1972



Family: (	Family: Gobiidae(Gobies)		Caragobius urolepis (Bleeker, 1852)
1287	Acentrogobius bontii (Bleeker, 1849)	1317	Cottogobius bilobatus Koumans, 1941
1288	Acentrogobius caninus (Valenciennes, 1837)	1318	Cryptocentrus cinctus (Herre, 1936)
1289	Acentrogobius janthinopterus (Bleeker, 1853)	1319	Cryptocentrus fasciatus (Playfair and Gunther, 1867)
1290	Acentrogobius nebulosus (Forsskal, 1775	1320	Cryptocentrus octofasciatus Regan, 1908
1291	Acentrogobius viridipunctatus (Valenciennes, 1837)	1321	Cryptocentrus pavoninoides (Bleeker, 1849)
1292	Amblyeleotris downingi Randall, 1994	1322	Cryptocentrus strigilliceps (Jordan & Seale, 1906)
1293	Amblyeleotris steinitzi (Klausewitz, 1974)	1323	Ctenogobiops maculosus (Fourmanoir, 1955)
1294	Amblygobius albimaculatus (Ruppell, 1828)	1324	Ctenogobiops pomastictus Lubbock &
1295	Amblygobius bynoensis (Richardson, 1844)		Polunin, 1977
1296	Amblygobius decussates (Bleeker, 1855)	1325	Drombus triangularis (Weber, 1909)
1297	Amblygobius nocturnes (Herre, 1945)	1326	Eviota cometa Jewett and Lachner
1298	Amblygobius semicinctus (Bennett, 1833)	1327	Eviota distigma Jordan & Seale, 1906
1299	Arcygobius baliurus (Valenciennes, 1837)	1328	Eviota guttata Lachner and Karnella, 1978
1300	Asterropteryx semipunctatus Ruppell, 1830	1329	Eviotaprasina (Klunzinger, 1871)
1301	Aulopareia koumansi (Herre 1937)*	1330	Eviota parasites Jordan & Seale, 1906
1302	Awaous grammepomus (Bleeker, 1849)	1331	Eviota queenslandica Whitley, 1932
1303	Awaous guamensis (Valenciennes, 1837)	1332	Eviota sebreei Jordan and Seale, 1906
1304	Awaous melanocephalus (Bleeker, 1849	1333	Eviota storthyx (Rofen, 1959)
1305	• • • •	1334	Eviota zonura Jordan & Seale, 1906
	Awaous ocellaris (Broussonet, 1782)	1335	Exyrias puntang (Bleeker, 1851)
1306	Awaous personatus (Bleeker, 1849)	1336	Favonigobius reichei (Bleeker, 1854)
1307	Bathygobius albopunctatus (Valenciennes, 1837)	1337	Fusiogobius inframaculatus (Randall, 1994)
1308	Bathygobius fuscus (Ruppell, 1830)	1338	Fusigobius neophytus (Gunther, 1877)
1309	Boleophthalmus boddart (Pallas, 1770)	1339	Fusigobius signipinnis (Hoese & Obika, 1988)
1310	Bryaninops yongei (Davis & Cohen, 1969)	1340	Glossogobius bicirrhosus (Weber, 1894)
1311	Bryaninops tigris Larson, 1985	1341	Glossogobius celebius (Valenciennes, 1837)
		1342	Glossogobius giuris (Ham. & Buch., 1822)
1312	Callogobius andamanensis Menon & Chatterjee, 1974	1343	Gnatholepis baliurus (Cuv. & Val., 1837)
1313	Callogobius hasselti (Bleeker, 1851)	1344	Gnatholepis cauerensis (Bleeker, 1853)
1314	Callogobius hasselti (Bleeker, 1851)	1345	Gobiodon citrinus (Ruppell, 1830)
1315	Callogobius trifasciatus Menon &	1346	Gobiodon histrio (Valenciennes, 1837)
	Chatterjee, 1974	1347	Gobiodon quinquesrigatus (Valenciennes, 1837)



1348	Gobiodon rivulatus (Rüppell, 1830)	1377	Periophthalmus novemradiatus (Hamilton, 1822)
1349	Gobiopsis arenaria (Snyder, 1908)	1378	Periophthalmodon schlosseri (Pallas, 1770)
1350	Gobiopsis quinquecincta (Smith, 1931)	1379	Periophthalmodon septemradiatus
1351	Gobiopsis woodsiLachner & Mc. Kinney, 1978		(Hamilton, 1822)
1352	Hemigobius hoevenii (Bleeker, 1851)	1380	Phyllogobius platycephalops (Smith, 1964)
1353	Istigobius decoratus (Herre, 1927)	1381	Pleurosicya bilobata (Koumans, 1941)
1354	Istigobius diadema (Steindachner, 1876)	1382	Pleurosicya boldinghi Weber, 1913
1355	Istigobius goldmanni Bleeker, 1852	1383	Priolepis compita Winterbottom,1985
1356	Istigobius ornatus (Ruppell, 1830)	1384	Priolepis semidoliatus (Valenciennes, 1837)
1357	Koumansetta hectori (Smith, 1957)	1385	Psammogobius biocellatus(Valenciennes, 1837)*
1358	Lentipes andamanicus (Mukerji 1935)	1386	Redigobius balteatus (Herre, 1935)
1359	Mahidolia mystacina(Valenciennes, 1837)	1387	Redigobius bikolanus (Herre, 1927)
1360	Odontamblyopus rubicundus	1388	Redigobius tambujon (Bleeker, 1854)
	(Hamilton, 1822)	1389	Scarteloas cantoris (Day, 1871)
1361	Oligolepis acutipennis (Valenciennes, 1837)	1390	Sicyopterus microcephalus (Bleeker, 1854)
1362	Oligolepis dasi (Talwar, Chatterjee &	1391	Stenogobius gymnopomus (Bleeker, 1853)
	Dev Roy, 1982)	1392	Stigmatogobius sadanundio
1363	Oligolepis talwari Mehta, Devi and Mehta, 1989		(HamButch., 1822)
1364	Oplopomus caninoides (Bleeker, 1852)	1393	Taenioides anguillaris (Linnaeus, 1758)
1365	Oplopomus oplopomus (Valenciennes, 1837)	1394	Taenioides cirratus (Blyth, 1860)
1366		1395	Trimma naudei Smith, 1957
1367	Oxuderces dentatus Eydoux & Souleyet, 1850 Oxyurichthys microlepis (Bleeker, 1849)	1396	Trimma sanguinellus Winterbottom and Southcott, 2007
1368	Oxyurichthys papuensis (Valenciennes, 1837)	1397	Trimma striatum (Herre, 1945)
1369	Oxyurichthys tentacularis(Valenciennes, 1837)	1398	Valenciennea decora Hoese and Larson, 1994
1370	Parachaeturichthys polynema	1399	Valenciennea limicola Hoese and Larson, 1994
	(Bleeker, 1853)	1400	Valenciennea puellaris (Tomiyana, 1956)
1371	Paragobiodon echinocephalus	1401	Valenciennea sexguttata Valenciennes, 1837
	(Ruppell, 1830)	1402	Valenciennea strigata (Broussonet, 1782)
1372	Parapocryptes serperaster (Richardson 1846)	1403	Yongeichthys criniger (Valenciennes, 1837)
1373	Paratrypauchen microcephalus	Family: 1	Microdesmidae(Dartfishes)
	(Bleeker, 1860)	1405	Nemateleotris magnifica Fowler, 1938
1374	Periophthalmus argentilineatus	1406	Parioglossus raoi (Herre, 1939)
1275	Valenciennes, 1837	1407	Ptereleotris evides (Jordan & Hubbs, 1925)
1375	Periophthalmus kalolo Lesson, 1830	1408	Ptereleotris hanae (Jordan & Snyder, 1901)
1376	Periophthalmus malaccensis Eggert, 1935		` , , ,



1409	Ptereleotris heteroptera (Bleeker, 1855)	1443	Acanthurus nigricauda Dunker & Mohr, 1939
1410	Ptereleotris microlepis Bleeker, 1856	1444	Acanthurus nigrofuscus (Forsskål, 1775)
Family: E	phippidae(Batfishes)	1445	Acanthurus pyroferus Kittlitz, 1834
1412	Ephippus orbis (Bloch, 1787)	1446	Acanthurus tennentii Gunther, 1861
1413	Platax orbicularis (Forsskal, 1775)	1447	Acanthurus thompsoni (Fowler, 1923)
1414	Platax pinnatus (Linnaeus, 1758)	1448	Acanthurus triostegus (Linnaeus, 1758)
1415	Platax teira (Forsskal, 1775)	1449	Acanthurus tristis Randall, 1993
Family: S	catophagidae	1450	Acanthurus xanthopterus Valenciennes, 1835
1417	Scatophagus argus Linnaeus, 1766	1451	Ctenochaetus cyanocheilus Randall & Clements, 2001
Family: S	iganidae (Rabbitfishes)	1452	Ctenochaetus striatus(Quoy & Gaimard, 1825)
1419	Siganus argenteus (Quoy & Gaimard, 1825)	1453	Naso annulatus (Quoy & Gaimard, 1825)
1420	Siganus canaliculatus (Park, 1797)	1454	Naso brachycentron (Valenciennes, 1835)
1421	Siganus cancellatus (Park, 1797)	1455	Naso brevirostris (Valenciennes, 1835)
1422	Siganus corallines (Valenciennes, 1835)	1456	Naso elegans (Rüppell, 1829)
1423	Siganus fuscescens (Houttuyn, 1782)	1457	Naso hexacanthus (Bleeker, 1855)
1424	Siganus guttatus (Bloch, 1787)	1458	Naso lopezi Herre, 1927
1425	Siganus javus (Linnaeus, 1766)	1459	Naso tuberosus Lacepede, 1802
1426	Siganus labyrinthodes (Bleeker, 1853)	1460	Naso unicornis (Forsskal, 1775)
1427	Siganus magnificus (Burgess, 1977)	1461	Naso vlamingii (Valenciennes, 1835)
1428	Sigarus puelloides Woodland & Randall, 1979	1462	Paracanthurus hepatus (Linnaeus, 1766)
1429	Siganus spinus (Linnaeus, 1758)	1463	Zebrasoma desjardinii (Bennett, 1836)
1430	Siganus stellatus (Forsskal, 1775)	1464	Zebrasoma scopas (Cuvier, 1829)
1431	Siganus vermiculatus (Valenciennes, 1835)	1465	Zebrasoma veliferum (Bloch, 1797)
1432	Siganus virgatus (Valenciennes, 1838)	Family: S	phyraenidae(Barracuda)
1433	Siganus vulpinus (Schlegel & Müller, 1845)	1467	Sphyraena acutipinnis Day, 1876
Family: Z	anclidae(Moorish Idol)	1468	Sphyraena barracuda (Walbum, 1792)
1435	Zanclus cornutus (Linnaeus, 1831)	1469	Sphyraena chrysotaenia Klunzinger, 1884
Family:A	canthuridae(Surgeon Fishes)	1470	Sphyraena flavicauda Ruppell, 1838
1437	Acanthurus bariene Lesson, 1830	1471	Sphryaena forsteri Cuvier 1829
1438	Acanthurus dussumieri Valenciennes, 1835	1472	Sphyraena jello Cuvier, 1829
1439	Acanthurus japonicus (Schmidt, 1931)	1473	Sphyraena obtusata Cuvier, 1829
1440	Acanthurus leucosternon Bennett, 1832	1474	Sphyraena qenie Klunzinger, 1870
1441	Acanthurus lineatus (Linnaeus, 1758)	·	richiuridae(Hairtail)
1442	Acanthurus mata Cuvier, 1829	1476	Lepturacanthus savala (Cuvier, 1829)
		1477	Tentoriceps cristatus (Klunzinger, 1884)



1478	Trichiurus lepturus Linnaeus, 1758	Family:A	nabantidae(Climbing perch)
Family: S	combridae(Tunans and Mackerels)	1510	Anabas testudineus (Bloch, 1795)
1480	Auxis rochei (Rasso, 1810)	Family:C	hannidae(Snakeheads)
1481	Auxiz thazard (Lacepede, 1802)	1512	Channa gachua (Hamilton, 1822)
1482	Euthynnus affinis (Cantor, 1849)	1513	Channa punctatus (Bloch, 1793)
1483	Grammatocrynus bicarinatus (Quoy &	1514	Channa stewartii (Playfair, 1867)
	Gaimard, 1824)	1515	Channa striatus (Bloch, 1793)
1484	Gymnosarda unicolor (Ruppell, 1836)	Order:Ple	euronectiformes
1485	Katsuwonus pelamis (Linnaeus, 1758)	Family: P	settodidae
1486	Ratrelliger brachysoma (Bleeker, 1851)	1518	Psettodes erumei (Bloch & Sch., 1801)
1487	Rastrelliger faughni (Matsuai, 1967)	Family: B	othidae(Flounders)
1488	Rastrelliger kanagurta (Cuvier, 1817)	1520	Arnoglossus tapeinosoma (Bleeker, 1865)
1489	Sarda orientalis (Temminck & Schlegel, 1844)	1521	Bothus mancus (Broussonet, 1782)
1490	Scomberomorus commerson (Lacepede, 1800)	1522	Bothus myriaster (Temminck & Schlegel, 1846)
1491	Scomberomorus guttatus (Bloch &	1523	Bothus pantherinus (Ruppell, 1830)
	Scneider, 1801)	1524	Engyprosopon grandisquamis (Temminck & Schlegel,1846)
1492	Thunnus alalunga (Bonnaterre,1788)	1525	Engyprosopon natalensis Regan, 1920
1493	Thunnus albacares (Bonnaterre,1788)	1526	Grammatobothus polyphthalmus
1494	Thunnus obesus (Lowe,1839)		(Bleeker, 1866)
1495	Thunnus tonggol (Bleeker,1851)	Family:Pa	aralichthyidae(Sand Flounders)
•	tiophoridae(Sailfish and Marlins)	1528	Pseudorhombus arsius (HamBuch., 1822)
1497	Istiophorus platypterus (Shaw & Nodder, 1791)	1529	Pseudorhombus dupliciocellatus Regan,1905
1498	Makaira mazara (Jordan & Snyder, 1901)	1530	Pseudorhombus elevates (Ogilby, 1912)
1499	Tetrapturus audax (Philippi, 1887)	Family: S	oleidae(Soles)
Family:Co	entrolophidae(Medusafishes)	1532	Aesopia cornuta Kaup, 1858
1501	Psenopsis obscura Haedrich, 1967	1533	Brachirus orientalis (Bloch &
Family:No	omeidae(Driftfishes)		Schneider, 1801)
1503	Ariomma indicum (Day, 1871)	1534	Heteromycteris oculus (Alcock, 1889)
1504	Psenes maculatus Lutken, 1880	1535	Pardachirus marmoratus (Lacepede, 1802)
1505	Cubiceps whiteleggi (Waite, 1894)	1536	Pardachirus pavoninus (Lacepede, 1802)
Family:St	romateidae(Butterfishes)	1537	Solea bleekeri Boulenger, 1898
1507	Pampus argenteus (Euphrasen, 1788)	1538	Soleichthys heterorhinos (Bleeker, 1856)
1508	Pampus chinensis (Euphrasen, 1788)	1539	Zebrias quagga (Kaup, 1958)



Family:PLEURONEDIDAE (Righteye flounders)		1571	Odonus niger (Ruppell, 1836)
1541	Poecilopsetta colorata Gunther, 1880	1572	Pseudobalistes flaimarginatus
1542	Poecilopsetta praelonga Alcock, 1894		(Ruppell, 1829)
Family:Samaridae		1573	Pseudobalistes fuscus (Bloch & Schneider, 1801)
1544	Samaris cristatus Gray, 1831	1574	Rhinecanthus aculeatus (Linnaeus, 1758)
Family: Cynoglossidae(Tonguesoles)		1575	Rhinecanthus rectangulus
1546	Cynoglossus arel		(Bloch & Sch., 1801)
	(Bloch & Schneider, 1801)	1576	Rhinecanthus verrucosus (Linnaeus, 1758)
1547	Cynoglossus cynoglossus (Hamilton Buchanan, 1822)	1577	Suffamen bursa (Bloch & Schneider, 1801)
1548	Cynoglossus lida (Bleeker, 1851)	1578	Sufflamen chrysopterus (Bloch. & Sch., 1801)
1549	Cynoglossus lingua Hamilton, 1822	1579	Sufflamen fraenatus (Latreille, 1804)
1550	Cynoglossus kopsii (Bleeker, 1851)	Family: N	Monacanthidae(Leatherjackets)
1551	Paraplagusia bilineata (Bloch, 1787)	1581	Aluterus monoceros (Linnaeus, 1758)
1552	Symphurus septemstriatus (Alcock, 1891)	1582	Aluterus scriptus (Osbeck, 1765)
		1583	Amanses scopas (Cuvier, 1829)
1553	Symphurus woodmasoni (Alcock, 1889)	1584	Anacanthus barbatus (Gray, 1830)
Order: Tetraodontiformes		1585	Cantherhines pardalis (Ruppell, 1837)
•	Triacanthodidae(Spikefishes)	1586	Cantherhines verecundus Jordan, 1925
1556	Macrorhamphosodes platycheilus Fowler, 1934	1587	Monacanthus chinensis (Osbeck, 1765)
1557	Mephisto fraserbrunneri Tyler, 1966	1588	Oxymonacanthus longirostris
Family:	Triacanthidae	1.500	(Bloch & Schneider 1801)
1559	Pseudotriacanthus strigilifer (Cantor, 1850)	1589	Paramonacanthus choirocephalus Bleeker, 1852
1560	Triacanthus biaculeatus(Bloch, 1786)	1590	Paramonacanthus curtorhynchus
Family: BalistidaeTriggerfishes			(Bleeker, 1855)
1562	Abalistes stellaris (Bloch & Schneider, 1801)	1591	Paramonacanthus japonicas (Tilesius, 1865)
1563	Abalistes stellatus (Lacepede, 1798)	1592	Paramonacanthus nematophorus
1564	Balistapus undulates (Mungo park, 1797)	1502	(Gunther, 1870)
1565	Balistoides conspicillum	<i>1593</i> 1594	Paramonacanthus pusillus (Ruppell, 1829)
	(Bloch & Schneider, 1801)		Pervagor melanocephalus (Bleeker, 1853)
1566	Balistoides viridescens (Bloch & Sch., 1801)	•	Ostraciidae(Boxfishes)
1567	Canthidermis maculates (Bloch, 1786)	1596	Lactoria cornuta (Linnaeus, 1758)
1568	Melichythys indicus Randall & Klausewitz, 1973	1597	Ostracion cubicus Linnaeus, 1758
1560		1598	Ostracion meleagris Shaw, 1796
1569	Melichythys niger (Bloch, 1786)	1599	Rhynchostracion nasus (Bloch, 1785)
1570	Melichthys vidua (Richardson, 1845)	1600	Tetrosomus gibbosus (Linnaeus, 1758)

**Order:**Carcharhiniformes



Family: Tetraodontidae(Puffers)		Family:Proscylliidae	
1602	Arothron hispidus (Linnaeus, 1758)	Eridacnis radclifei Smith, 1913	
1603	Arothron immaculatus (Bloch & Sch., 1801)	Family: Scyliohinidae (catsharks)  Aspristurus investigatoris (Misra, 1962)  Bythaelurus hispidus (Alcock, 1891)	
1604	Arothron mappa (Lesson, 1827)		
1605	Arothron nigropunctatus (Bloch & Sch., 1801)		
1606	Arothron reticularis (Bloch & Sch., 1785)	Order: Rajiformes	
	•	Family:Rajidae(Skates)  Cruriraja andamanica Lloyd, 1909  Class: Actinopterygii  Family:Halosauridae(Halosaurs)	
1607	Arothron stellatus (Bloch & Sch. 1801)		
1608	Canthigaster bennetti (Bleeker, 1854)		
1609	Canthigaster coronata (Vaillant and Sauvage, 1835)	Halosaurus carinicauda (Alcock, 1889)	
1610	Canthigaster investigatoris (Annandale and Jenkins, 1914)	Order: Anguilliformes	
		Family: Muraenidae	
1611	Canthigaster papua (Bleeker, 1848)	Echidna nigra (Day)	
		Family: CongridaeConger Eels  Ariosoma macrocercus (Alcock)	
1612	Canthigaster solandri (Richardson, 1844)		
1613	Canthigaster valentine (Bleeker, 1853)	Gorgasia maculate (Klausewitz & Eibl-Eibesfeldt, 1959	
1614	Chelonodon patoca (Hamilton, 1822)	Heteroconger hassi (Klausewitz & Eibl-Eibesfeldt, 1959 Heteroconger obscura (Klausewitz & Eibl-Eibesfeldt, 1959	
1615	Lagocephalus guentheri Ribeiro, 1915		
1616	Lagocephalus inermis (Temminck & Schlegel, 1850)	Family: Muraensocidae	
		Gavialiceps taeniola Alcock, 1889  Family:Serrivomeridae	
1617	Lagocephalus lunaris	Serrivomer microps (Alcock,1889)	
	(Bloch & Schneider, 1801)	Order: Siluriforms	
1618	Lagocephalus scleratus (Forster, 1788)	Family:Ariidae(Sea catfishes)  Netuma thalassinus (Ruppell, 1837)  Order:Stomiiformes	
1619	Tetraodon fluviatilis Hamilton, 1822		
1620	Tetraodon palembangensis (Bleeker, 1852)		
1621	Torquigener hypselogeneion (Bleeker, 1852)	Family:Alepocephalidae	
Family:Diodontidae		Alepocephalus longiceps Lloyd,1909	
1623	Diodon holocanthus Linnaeus, 1758	Rouleina squamilatera (Alcock, 1898)	
1624	Diodon hystrix Linnaeus, 1758	Family: Photichthyidae	
1625	Diodon liturosus Shaw, 1804	Yarrella corythaeolum (Alcock, 1898)  Family:Malacosteidae	
Family:molidae( Sunfish)		Photostomias guernei Collett	
•		Order: Myctophiformes	
1627 <i>Mola mola</i> NEW FISHES DISCOVERED FROM ANDAMAN		Family: Myctophidae (Lanternfishes)	
AND NICOBAR ISLANDS		Benthosema pterotum (Alcock, 1890)	
Class:Chondrichthyes		Family:Chlorophthalmidae	
Sub Classes:Elasmobranchii		Bathypterois guentheri Alcock, 1889	
Order:Carcharhiniformes		Order: Gadiformes	



Family:Moridae(Depsea Cods)

Physiculus roseus Alcock, 1891

Family: Macrouridae (Grenadies or Rattails)

Coelorinchus quadricristatus (Wood-Mason and Alcock, 1891)

Coryphaenoides macrolophus Alcock, 1889

Hymenocephalus heterolepis (Alcock, 1889)

Nezumia brevirostris (Alcock, 1889) Nezumia investigatoris (Alcock, 1889) Nezumia semiquincunciata (Alcock, 1889) Ventrifossa petersonii (Alcock, 1891)

Order: Ophidiiformes Family: Ophidiidae

Dicrolene nigricaudis (Wood-Mason and Alcock, 1891)

Glyptophidium argenteum Alcock, 1889 Monomitopus nigripinnis (Alcock, 1889)

Spottobrotula mahodadi Cohen& Nielsen, 1978

**Family:Bythitidae**(Viviparous brotulas) *Alionematichthys piger* (Alcock, 1890)

Diplacanthopoma raniceps Alcock, 1898 Family:Ogcocephalidae(Batfishes)

Halicmetus ruber Alcock, 1891 Halicmetus coccinea Alcock, 1889 Halicmetus nigra Alcock, 1891 Malthopsis lutea Alcock, 1891

Malthopsis mitrigera Gilbert& Cramer, 1897 Ogcocephalus nasutus (Cuvier, 1829)

Order:Beloniformes Family: Hemiramphidae

Zenarchopterus pappenheimi Mohr, 1926

Family: Atelopodidae

Ateleopus indicus Alcock, 1891

Order: Berciformes Family: Holocentridae

Sargocentron caudimaculatum (Ruppell, 1838)

**Order:** Gasterosteiformes

Family:SyngnathidaePipefishes and Seahorses

Bhanotia fasciolata (Dumeril, 1870) Hippocampus horai Duncker, 1925 Microphis insularis (Hora, 1925) Nomen dubium (Dawson, 1978)

**Order: Scorpaeniformes** 

Family: ScorpaenidaeScorpion Fishes

Scorpaena picta Cuvier, 1829

Scorpaenodes smithi Eschmeyer & Rama-Rao, 1972

Setarches longimanus (Alcock, 1894)

Synanceia alula Eschmeyer & Rama-Rao, 1973

Family: Alpoactinidae (Velvetfishes)

Cocotropus steinitzi Eschmeyer& Dor, 1978 Xenaploactis cautes Poss& Eschmeyer, 1980

Family:Triglidae(gurnards)

Peristedion serrulatum (Alcock, 1889)

Family:Peristediidae(Armored Searobins)

Peristedion investigotoris (Alcock, 1898)

**Order: Perciformes** 

**Family:Centrogeniidae**(False scorpionfishes) *Centrogenys vaigiensis* (Quoy & Gaimard, 1824)

Family: Opistognathidae Opistognathus annulata

(Eibl-Eibesfeldt & Klausewitz, 1961)

Opistognathus albicaudatus Smith Vaniz 2011

Family: Leiognathidae(Ponyfishes)

Macilentichthys indicus (Sing and Talwar, 1978)

Family: Haemulidae(Sweetlips)

Plectorhinchus rayi (Menon and Talwar, 1973)

Family: Lethrindae(Emperor)

Lethrinus rubrioperculatus Sato, 1978

Family: Pomacentridae(Damselfishes)

Abudefduf notatus (Day, 1870) Abudefduf sexatilis (Linnaeus) Cheiloprion labiatus (Day, 1877)

**Family: Blennidae**(Blennies or Rock Skippers) *Alloblennius frondiculus* Smith Vaniz & Allen 2012

Andamia heteroptera (Bleeker, 1857) Andamia reyi (Sauvage, 1880) Istiblennius andamensis (Day, 1876) Praealticus triangulus (Chapman, 1951)

Family: Eleotridae(Sleepers)

Eleotris andamensis Herre, 1939

Eleotris feliceps Blyth, 1860



Eleotris lutea Day, 1876

Parioglossus raoi (Herre, 1939)

Family:Kraemeriidae(Sandfishes)

Kraemericus smithi Menon & Talwar, 1972

Family: Gobiedae(Gobies)

Callogobius andamanensis Menon& Chatterjee, 1974 Callogobius trifasciatus Menon& Chatterjee, 1974

Cottogobius bilobatus Koumans, 1941

Oligolepis dasi (Talwar, Chatterjee & Dev Roy, 1982)

Oxyurichthys talwari Mehta, Devi and Mehta, 1989

 $\label{lem:controlophidae} Family: Centrolophidae (\textit{Medusafishes})$ 

Psenopsis obscura Haedrich, 1967

Family:Nomeidae(Driftfishes)

Psenes maculatus Lütken, 1880

**Order: Pleuronectiformes** 

Family: Cynoglossidae(Tonguesoles)
Symphurus woodmasoni (Alcock, 1889)

**Order: Tetraodontiformes** 

**Family:Triacanthodidae**(Spikefishes) *Mephisto fraserbrunneri* Tyler, 1966

Family: BalistidaeTriggerfishes

Melichythys indicus Randall & Klausewitz, 1973

Family: Tetraodontidae(Puffers)

Canthigaster investigatoris (Annandale and Jenkins, 1914)

Threats, management and recommendations

The exploitation of sharks in commercial fisheries for their fins, meat, liver oil, cartilage and other parts remains largely unregulated in Andaman and Nicobar Islands. Overfishing, excessive bycatch, a lack of scientific data, poor management, shark finning and the lack of political will to adopt best practices have led to declines in populations of many shark species in near future. To reverse these declines, establish shark sanctuaries within their waters, including their full exclusive economic zones (EEZ), where sharks are fully protected from exploitation. Devise and implement effective National Plans of Action for sharks. End fishing of sharks that are Threatened or Near Threatened with extinction and sharks that do not have science-based management plans in place. Enact legislation prohibiting the removal of shark fins at sea. Work to eliminate shark bycatch. Enact

immediate protections for species listed by multilateral agreements such as the Convention on Migratory Species (CMS) and the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES). Impose precautionary shark catch limits that are based on sound science. Improve species-specific fisheries and trade data collection. Generate high-quality scientific research on shark fisheries, shark population status, and national and international trade to inform decision making that is precautionary and ecosystem-based. Drift nets are free-floating nets used in oceans to snare fish by their gills. Each net can measure up to 50 feet (15 meters) deep and 55 miles (89 kilometers) long. Because drift nets are not selective, many fish and marine mammals are trapped in them. Schedules species such as sharks, turtles, dugong and dolphins, are removed from the nets and thrown back, dead, into the ocean. Drift nets are an extraordinarily destructive fishing technology. Great lengths of drift nets and other fishing nets are lost at sea every year, especially during severe storms. Because the nets are made of materials that do not degrade or break down easily, they continue to snare fish and marine mammals underwater for many years. Groupers are among the most important benthic fishes of warm seas. Most of the commercially important species belong to the sub family Epinephelinae comprising about 110 marine species of the Indo-Pacific under eleven genera. Forty eight species of grouper are reported from these islands that support 47.3 per cent of grouper so far known to science, under seven genera namely Aethaloperca, Angperodon, Cephalopholis, Cromileptes, Epinephelus, Plectropomus, and Variola. The more popularly known species belong to the genus Epinephelus. They are of moderate to large size. Most are shallow water species, but a few occur to depths as great as 300m. All are carnivorous, feeding mainly on fishes, large crustaceans, and occasionally, on cephalopoda. They are highly esteemed as food fishes, but some species, particularly those of the genera *Plectropomus*, *Variola*, and the large species of Epinephelus, have frequently been implicated in ciguatera fish poisoning. Groupers are generally at or near the top of food chains of marine habitats and thus play a major role in the population structure of the animal communities of these environments. Exploitation of



grouper resources has intensified in the Andaman Nicobar Islands and most of the commercial catch results from hook and line fishing. Bottom long lining in increasingly popular for deep reef fishing and produces most of the grouper. For the grouper fishery it has been recommended to impose a minimum commercial size limit of 12 inches and 16 inches for the medium and large size groupers of fish. *Epinepheluslanceolatus* (Bloch, 1790) is the only bony fish (scheduled species) protected under wildlife act 1972. Marine biotops of the islands are under growing pressure due to demographic, tourism, natural and other human induced disturbances. Today's need is the management both for conservation of marine organisms and their habitats for a sustainable exploitation of fish resources.

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