



An updated checklist of the marine fish fauna of Redang Islands, Malaysia

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Abstract

Background

Redang Islands Marine Park consists of nine islands in the state of Terengganu, Malaysia. Redang Island is one of the largest off the east coast of Peninsular Malaysia, which is famous for its crystal-clear waters and white sandy beaches. The ichthyofauna of the Redang archipelago was surveyed by underwater visual observations between August 2016 and May 2018. Census data were compiled with existing records into the checklist of the marine fish of the Redang archipelago presented herein. A total of 314 species belonging to 51 families were recorded. The most speciose families (Pomacentridae, Labridae, *Scaridae*, Serranidae, Apogonidae, Carangidae, Gobiidae, Chaetodontidae, Lutjanidae, Nemipteridae and Siganidae) were also amongst the most speciose at the neighbouring Tioman archipelago (except Chaetodontidae). The coral fish diversity index value for the six families of coral reef fishes (Chaetodontidae, Pomacanthidae,

Pomacentridae, Labridae, *Scaridae* and Acanthuridae) of the study sites was 132. We estimated that there were 427 coral reef fish species in the Redang archipelago. According to the IUCN Red List, eight species are Near Threatened (*Carcharhinus melanopterus*, *Chaetodon trifascialis*, *Choerodon schoenleinii*, *Epinephelus fuscoguttatus*, *E. polyphekadion*, *Plectropomus leopardus*, *Taeniura lymma* and *Triaenodon obesus*), eleven are Vulnerable (*Bolbometopon muricatum*, *Chaetodon trifasciatus*, *Chlorurus sordidus*, *Dascyllus trimaculatus*, *Epinephelus fuscoguttatus*, *E. polyphekadion*, *Halichoeres marginatus*, *Heniochus acuminatus*, *Nebrius ferrugineus*, *Neopomacentrus cyanomos* and *Plectropomus areolatus*) and three are Endangered (*Amphiprion clarkia*, *Cheilinus undulatus* and *Scarus ghobban*) in the Redang archipelago.

New information

Five species are new records for Malaysia (*Ctenogobiops mitodes*, *Epibulus brevis*, *Halichoeres erdmanni*, *H. richmondi* and *Scarus caudofasciatus*) and 25 species are newly recorded in the Redang archipelago.

Keywords

Coral Fish Diversity Index, fish diversity, ichthyofauna, new record species

Introduction

Redang archipelago is located about 45 km to the northeast of Kuala Terengganu and it has a surface area of about 2,484 ha, making it the largest of the nine islands within the Redang archipelago. The Redang archipelago comprises the islands of Redang, Pinang, Ling, Ekor Tebu, Kerengga Besar, Kerengga Kechil, Paku Besar, Paku Kechil and Lima (Fig. 1). The waters surrounding the Redang archipelago have been protected as a Marine Park under the Establishment of Marine Park Malaysia Order 1994 (Fisheries Act in 1995) Comley et al. 2004. It is famous for its crystal-clear waters, white sandy beaches and for being an important conservation site for sea turtles.

The coral reefs of the Redang Islands are amongst the best on the east coast of Malaysia and are generally in good condition. Reef Check Malaysia has established an annual survey programme in Redang to assess the health of coral reefs since 2011. In 2016, the study showed that the reefs around Redang Islands are considered to be in "Good" condition, with live coral cover of 55.42%, which is above the average of 43.71% for reefs in Malaysia (Reef Check Malaysia 2016). Nevertheless, only the indicator fish species were monitored, for example, butterflyfish (targeted for the aquarium trade), humphead wrasse (live-food fish), snapper and grouper (food fish) (Reef Check Malaysia 2017).

A total of 209 species and 92 genera from 40 families of fish were reported from Redang Islands Marine Park by Harborne et al. (2000) and 173 species and 86 genera from 40 families of coral reef fish species were reported from the park by Yusuf et al. (2001).

Furthermore, 441 marine and estuarine fish species and 108 families were recorded by Marsunuma et al. (2011) in the Kemaman, Dungun, Cendering, Kuala Terengganu, Merang and Kampung Raja fish landing ports or markets, mangroves at Setiu, Bidong Island and Redang Island. However, the fish list of the Redang Islands remains insufficient and there is an urgent need for taxonomic revisions, which can provide scientific data for the biodiversity of the marine fish fauna of the Redang Islands Marine Park.

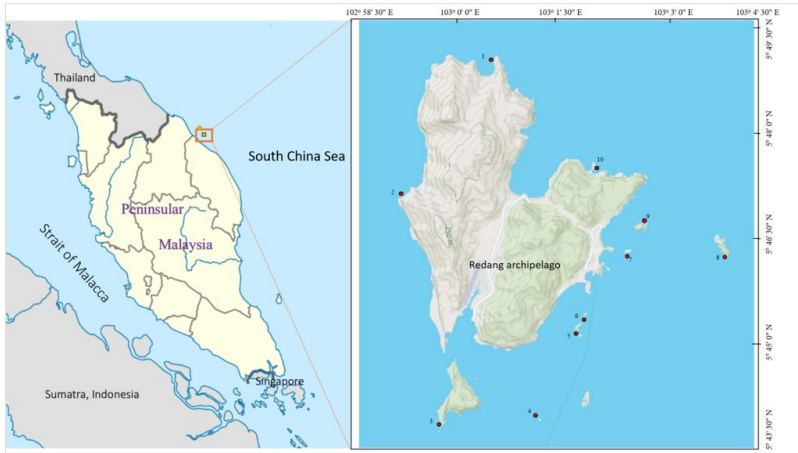


Figure 1. [doi](#)

The map showing the location of Redang archipelago in the north Peninsular Malaysia, the inset map showing the survey locations.

Materials and methods

A total of 10 sites in the Redang archipelago (Fig. 1) were investigated through underwater visual census in August 2016, May 2017, September 2017 and May 2018, with 30 dives altogether. The underwater cameras used were Canon 5D4, Canon G15 and Canon G1X Mark II, jointly with Sea&Sea YS-D2 flashlights. The coverage was limited to shallow reef fishes that are totally or mainly confined to coral reefs of < 30 m depth. The species were identified based on 600 high megapixel and high-quality photographs. Current taxonomic status follows that listed in the Catalog of Fishes by Fricke et al. (2018). The fish were identified based on: “Reef fishes of the east Indies” (Allen and Erdmann 2012), “Fishes of Terengganu, east coast of Malay Peninsula Malaysia” (Marsunuma et al. 2011) and FishBase (Froese and Pauly 2018).

The diversity of coral reef fish was estimated using the coral fish diversity index (CFDI) for restricted small areas as proposed by Allen (1988) and Allen and Erdmann (2012) using the following formula: total fish fauna = $3.39 \text{ (CFDI)} - 20.595$ for areas under 2,000 km². This index was based on the total number of species in each of the six indicator families: Acanthuridae, Chaetodontidae, Labridae, Pomacanthidae, Pomacentridae and *Scaridae*.

All selected groups are important components of reef communities, widely distributed and closely associated with coral reef ecosystems.

The checklist is arranged alphabetically by class, order and family and then species in families are arranged alphabetically by genera and then species name. The newly recorded species from Malaysia are marked with an asterisk (*) and species newly recorded in the Redang archipelago are marked with ±. The following abbreviations are used: standard length (SL); total length (TL); kilometres (km); hectares (ha); synonyms (s); misidentification (m). For habitats types: coastal shore (CS); shallow reef (SR); reef-associated (RFA), demersal (DEM); pelagic (PEL). Other remarks: Harborne et al. (2000): [2000]; Yusuf et al. (2001)[2001]; Marsunuma et al. (2011)[2011]; This study [2019]. The IUCN status (IUCN 2019): Endangered (EN); Near Threatened (NT); Vulnerable (VU). Threat to humans: Poisonous to eat; Reports of ciguatera poisoning; Traumatogenic; Venomous.

Data resources

There were 140 species belonging to 36 families recorded in our survey, of which, five species represent new records in Malaysia (*Ctenogobiops mitodes*, *Epibulus brevis*, *Halichoeres erdmanni*, *H. richmondi* and *Scarus caudofasciatus*) and 25 species represent new records in the Redang archipelago (Table 1). Combined with data from previous sources, such as Harborne et al. (2000) and Yusuf et al. (2001), in total 314 RFA fish species were recorded from the Redang archipelago, belonging to 14 orders and 51 families. Most of the fishes (245 species) belonged to the order Perciformes. Pomacentridae (damselfish) was the most dominant family and had the most species (50 species), followed by Labridae (wrasses) with 44 species. *Scaridae* (parrotfish) and Serranidae (groupers) were the third largest families found in the area with 15 species. Other major families with high species richness were Apogonidae (cardinal fish), Carangidae (jacks or pompanos) and Gobiidae (gobies) with 14 species; Chaetodontidae (butterflyfish) with 13 species; Lutjanidae (snappers) and Siganidae (rabbitfishes) with 11 species; and Nemipteridae (threadfin breams) with 10 species (Table 1).

Table 1.

Checklist of marine fishes of Redang archipelago

Subclass, Order, Family, Genus and species	Habitat types	Threat to humans	IUCN status	Other remarks
Elasmobranchii				
Order Carcharhiniformes				
Family CARCHARHINIDAE (Requiem shark)				

Subclass, Order, Family, Genus and species	Habitat types	Threat to humans	IUCN status	Other remarks
<i>Carcharhinus melanopterus</i> (Quoy & Gaimard, 1824)	PEL, RFA	Traumatogenic	NT	[2000, 2001, 2019]
<i>Triaenodon obesus</i> (Rüppell, 1837)	PEL, RFA	Traumatogenic	NT	[2000]
Order Orectolobiformes				
Family GINGLYMOSTOMATIDAE (Nurse shark)				
<i>Nebrius ferrugineus</i> (Lesson, 1831)	CS, RFA	Traumatogenic	VU	[2000]
Order Myliobatiformes				
Family DASYPATIDAE (Stingray)				
<i>Himantura</i> sp.				[2000]
<i>Taeniura lymma</i> (Forsskål, 1775)	RFA	Venomous	NT	[2000; 2001, 2011, 2019]
Actinopteri				
Order Acanthuriformes				
Family ACANTHURIDAE (Surgeonfish)				
<i>Acanthurus dussumieri</i> Valenciennes, 1835	SR, RFA		LC	[2000]
<i>Acanthurus lineatus</i> (Linnaeus, 1758)	SR, RFA	Venomous		[2000]
<i>Acanthurus</i> sp.			LC	[2001]
<i>Naso lituratus</i> (Forster, 1801)	SR, RFA	Venomous	LC	[2000, 2001]
<i>Naso unicornis</i> (Forsskål, 1775)	SR, RFA	Reports of ciguatera poisoning	LC	[2000]
Family POMACANTHIDAE (Angelfish)				
<i>Chaetodontoplus mesoleucus</i> (Bloch, 1787)	RFA		LC	[2000, 2019; 2001, s: <i>Chaetodontoplus mesoleucas</i>]
<i>Pomacanthus annularis</i> (Bloch, 1787)	SR, RFA		LC	[2000, 2001, 2011, 2019]

Subclass, Order, Family, Genus and species	Habitat types	Threat to humans	IUCN status	Other remarks
± <i>Pomacanthus imperator</i> (Bloch, 1787)	SR		LC	[2019]
<i>Pomacanthus sexstriatus</i> (Cuvier, 1831)	SR, RFA		LC	[2000, 2001, 2019]
<i>Pomacanthus xanthometopon</i> (Bleeker, 1853)	SR, RFA		LC	[2000]
Family SIGANIDAE (Rabbitfish)				
<i>Siganus argenteus</i> (Quoy & Gaimard, 1825)	SR, RFA	Venomous	LC	[2000]
<i>Siganus canaliculatus</i> (Park, 1797)	SR, RFA	Venomous	LC	[2001]
<i>Siganus corallinus</i> (Valenciennes, 1835)	SR, RFA	Venomous	LC	[2000, 2001, 2019]
<i>Siganus guttatus</i> (Bloch, 1787)	SR, RFA	Venomous	LC	[2000, 2001, 2019]
<i>Siganus javus</i> (Linnaeus, 1766)	SR, RFA	Venomous	DD	[2011, 2019]
<i>Siganus puellus</i> (Schlegel, 1852)	SR, RFA	Venomous	LC	[2000, 2001]
<i>Siganus punctatus</i> (Schneider & Forster, 1801)	SR, RFA	Venomous	LC	[2011, 2019]
<i>Siganus spinus</i> (Linnaeus, 1758)	SR, RFA	Venomous	LC	[2000]
<i>Siganus vermiculatus</i> (Valenciennes, 1835)	SR, RFA	Venomous	LC	[2000, 2001]
<i>Siganus virgatus</i> (Valenciennes, 1835)	SR, RFA	Venomous	LC	[2000, 2001, 2019]
<i>Siganus vulpinus</i> (Schlegel & Müller, 1845)	SR, RFA	Venomous	LC	[2000, 2019; 2001, s: <i>Siganus vulpinis</i>]
Family ZANCLIDAE (Moorishn idol)				
<i>Zanclus cornutus</i> (Linnaeus, 1758)	SR, RFA		LC	[2000; 2001, s: <i>Zinclus cornutus</i>]
Order Acropomatiformes				
Family PEMIPHERIDAE (Sweeper)				
<i>Pempheris oualensis</i> Cuvier, 1831	SR, RFA			[2000; 2019]
<i>Pempheris schwenkii</i> Cuvier, 1855	SR, RFA			[2000]

Subclass, Order, Family, Genus and species	Habitat types	Threat to humans	IUCN status	Other remarks
<i>Pempheris vanicolensis</i> Bleeker, 1877	SR, RFA			[2001]
Order Anguilliformes				
Family MURAENIDAE (Moray eel)				
± <i>Gymnothorax fimbriatus</i> (Bennett, 1832)	SR, RFA		LC	[2019]
<i>Gymnothorax javanicus</i> Bloch & Schneider, 1801	SR, RFA	Reports of ciguatera poisoning	LC	[2000, 2019]
Order Aulopiformes				
Family SYNODONTIDAE (Lizardfishes)				
<i>Synodus variegatus</i> (Lacepède, 1803)	CS, RFA		LC	[2001, 2019]
<i>Synodus sp.</i>				[2000]
Order Beloniformes				
Family HEMIRAMPHIDAE (Halfbeaks)				
<i>Hemiramphus sp.</i>				[2001]
<i>Hyporhamphus affinis</i> (Güther, 1866)	SR, PEL			[2001, s: <i>Hyporhamphus affinis</i>]
Order Blenniiformes				
Family BLENNIIDAE (Blennies)				
± <i>Aspidontus taeniatus</i> Quoy & Gaimard, 1834	SR, RFA		LC	[2019]
<i>Atrosalarias fuscus</i> (Rüppell, 1838)	SR, RFA		LC	[2000]
<i>Ecsenius bicolor</i> (Day, 1888)	SR, RFA		LC	[2000, 2019]
<i>Ecsenius lineatus</i> Klauswitz, 1962	SR, RFA		LC	[2000]
<i>Ecsenius yaeyamaensis</i> (Aoyagi, 1954)	SR, RFA		LC	[2000]

Subclass, Order, Family, Genus and species	Habitat types	Threat to humans	IUCN status	Other remarks
<i>Meiacanthus grammistes</i> (Valenciennes, 1836)	SR, RFA	Venomous	LC	[2000]
<i>Plagoitremus rhinorhynchus</i> (Bleeker, 1852)	SR, RFA			[2001, s: <i>Plagoitremus rhinorhynchus</i>]
<i>Salarias sp.</i>				[2001]
Family TRIPTERYGIIDAE (Threefin, triplefin blennies)				
<i>Helcogramma striata</i> Hansen, 1986	SR, RFA		LC	[2011, 2019]
Order Centrarchiformes				
Family KYPHOSIDAE (Rudderfish)				
<i>Kyphosus cinerascens</i> (Forsskål, 1775)	SR, RFA	Poisonous to eat	DD	[2001]
<i>Kyphosus sp.</i>				[2000]
Family TERAPONTIDAE (Grunts, tigerperches)				
<i>Terapon jarbua</i> (Forsskål, 1775)	CS, DEM		LC	[2001]
Order Gobiiesociformes				
Family GOBIESOCIDAE (Clingfish)				
± <i>Diademichthys lineatus</i> (Sauvage, 1883)	SR, RFA		LC	[2019]
Order Gobiiformes				
Family GOBIIDAE (Gobies)				
± <i>Amblyeleotris rubrimarginata</i> Mohlmann & Randall, 2002	SR, RFA			[2019]
<i>Amblyeleotris steinitzi</i> (Klausewitz, 1974)	SR, RFA		LC	[2001]
<i>Amblygobius phalaena</i> (Valenciennes, 1837)	SR, RFA			[2001]
<i>Cryptocentrus cinctus</i> (Herre, 1936)	SR, RFA			[2000, 2001]

Subclass, Order, Family, Genus and species	Habitat types	Threat to humans	IUCN status	Other remarks
<i>Ctenogobiops pomastictus</i> Lubbock & Polunin, 1977	SR, RFA			[2001, s: <i>Ctenogobius pomastictus</i>]
*± <i>Ctenogobiops mitodes</i> Randall, Shao & Chen, 2007	SR, RFA			[2019]
± <i>Eviota sebreei</i> Jordan & Seale, 1906	SR, RFA		LC	[2019]
± <i>Exyrias bellissimus</i> (Smith, 1959)	SR, RFA		LC	[2019]
<i>Istigobius decoratus</i> (Herre, 1927)	SR, RFA		LC	[2001]
<i>Istigobius goldmanni</i> (Bleeker, 1852)	SR, RFA			[2011, 2019]
<i>Istigobius nigrocellatus</i> (Günther, 1873)	SR, RFA			[2011, 2019]
<i>Valenciennea longipinnis</i> (Lay & Bennett, 1839)	SR, RFA			[2001]
<i>Valenciennea muralis</i> (Valenciennes, 1837)	SR, RFA		LC	[2001]
<i>Valenciennea sexguttata</i> (Valenciennes, 1837)	SR, RFA		LC	[2001, 2019]
Family MICRODESMIDAE (Dartfish)				
<i>Gunnelichthys monostigma</i> Smith, 1958	SR, RFA			[2000]
Order Gonorynchiformes				
Family CHANIDAE (Milkfish)				
<i>Chanos chanos</i> (Forsskål, 1775)	CS, RFA			[2001]
Order Holocentriformes				
Family HOLOCENTRIDAE (Soldier, squirrelfish)				
± <i>Myripristis hexagona</i> (Lacepède, 1802)	SR, RFA		LC	[2019]
<i>Myripristis kuntzei</i> Valenciennes, 1831.	SR, RFA		LC	[2001, s: <i>Myripristis kuntzei</i>]

Subclass, Order, Family, Genus and species	Habitat types	Threat to humans	IUCN status	Other remarks
<i>Myripristis murdjan</i> (Forsskål, 1775)	SR, RFA	Reports of ciguatera poisoning	LC	[2000]
± <i>Sargocentron cornutum</i> (Bleeker, 1854)	SR, RFA	Venomous	LC	[2019]
<i>Sargocentron rubrum</i> (Forsskål, 1775)	SR, RFA	Venomous	LC	[2011, 2019]
<i>Sargocentron prasin</i> (Lacepède, 1802)	SR, RFA		LC	[2000]
<i>Sargocentron sp.</i>				[2001]
Order Mugiliformes				
Family MUGILIDAE (Mullet)				
<i>Crenemuqil crenilabis</i> (Forsskål, 1775)	CS, RFA			[2001]
Order Perciformes *sedis mutabilis*				
Family APOGONIDAE (Cardinalfishes)				
<i>Apogon aureus</i> (Lacepède, 1802)	SR, RFA			[2001]
<i>Cheilodipterus artus</i> Smith, 1961	SR, RFA			[2000]
<i>Cheilodipterus intermedius</i> Gon, 1993	SR, RFA			[2001]
<i>Cheilodipterus macrodon</i> (Lacepède, 1802)	SR, RFA		LC	[2000; 2001, m: <i>Cheilodipterus heptaxona</i> , s: <i>Cheilodipterus microdon</i> ; 2019]
<i>Cheilodipterus quinquelineatus</i> Cuvier, 1828	SR, RFA			[2000, 2001, 2011, 2019]
<i>Ostorhinchus chrysopomus</i> (Bleeker 1854)	SR			[2001, s: <i>Apogon crysopomus</i>]
<i>Ostorhinchus compressus</i> (Smith & Radcliffe, 1911)	SR, RFA		LC	[2000, 2001, s: <i>Apogon compressus</i> ; 2019]

Subclass, Order, Family, Genus and species	Habitat types	Threat to humans	IUCN status	Other remarks
<i>Ostorhinchus cookii</i> (Macleay, 1881)	SR, RFA		DD	[2000, s: <i>Ostorhinchus cookie</i>]
<i>Ostorhinchus cyanosoma</i> (Bleeker, 1853)	SR, RFA		LC	[2000, 2001, s: <i>Apogon cyanosoma</i>]
± <i>Ostorhinchus wassinki</i> (Bleeker, 1860)	SR, RFA			[2019]
<i>Pristicon rhodopterus</i> (Bleeker, 1852)	SR, RFA			[2001, s: <i>Apogon rhodopterus</i>]
<i>Taeniamia fucata</i> (Cantor, 1849)	SR, RFA		LC	[2000, 2001, s: <i>Archaima fucata</i> ; 2019]
<i>Taeniamia macroptera</i> (Cuvier, 1828)	SR, RFA			[2001, s: <i>Archaima macroptera</i> ; 2019]
<i>Taeniamia zosterophora</i> (Bleeker, 1856)	SR, RFA			[2000, s: <i>Archaima zosterophora</i> ; 2001, s: <i>Cheilodipterus zosterophora</i> ; 2019]
Family CAESIONIDAE (Fusilier)				
<i>Caesio caeruleaurea</i> Lacepède, 1801	SR, RFA		LC	[2000, 2001, 2019]
<i>Caesio cuning</i> (Bloch, 1791)	SR, RFA		LC	[2000]
<i>Caesio teres</i> Seale, 1906	SR, RFA		LC	[2000, 2019]
<i>Caesio xanthonota</i> Bleeker, 1853	SR, RFA		LC	[2001, s: <i>Caesio xanthonata</i>]
<i>Pterocaesio chrysozona</i> (Cuvier, 1830)	SR, RFA		LC	[2000]
<i>Pterocaesio marri</i> Schultz, 1953	SR, RFA		LC	[2000, 2019]
Family CARANGIDAE (Jack, pompanos)				
<i>Alepes melanoptera</i> (Swainson, 1839)	PEL		LC	[2011, 2019]

Subclass, Order, Family, Genus and species	Habitat types	Threat to humans	IUCN status	Other remarks
<i>Alepes sp.</i>				[2001]
<i>Carangoides bajad</i> (Forsskål, 1775)	SR, RFA		LC	[2000, 2019]
<i>Carangoides chrysophrys</i> (Cuvier, 1833)	SR, RFA			[2000, s: <i>Carangoides chrysophrys</i>]
<i>Carangoides gymnostethus</i> (Cuvier, 1833)	SR, RFA		DD	[2000]
<i>Caranx melampygus</i> Cuvier, 1833	SR, RFA	Reports of ciguatera poisoning	LC	[2000]
<i>Caranx sexfasciatus</i> Quoy & Gaimard, 1825	SR, RFA			[2000]
<i>Caranx tille</i> Cuvier, 1833	SR, RFA			[2000]
<i>Elagatis bipinnulata</i> (Quoy & Gaimard, 1825)	SR, RFA	Reports of ciguatera poisoning	LC	[2000]
<i>Gnathanodon speciosus</i> (Forsskål, 1775)	SR, RFA		LC	[2000, 2001]
<i>Scomberoides lysan</i> (Forsskål, 1775)	SR, RFA		LC	[2001]
<i>Selaroides leptolepis</i> (Cuvier, 1833)	SR, RFA		LC	[2011, 2019]
<i>Trachinotus bailloni</i> (Lacepède, 1801)	SR, RFA		LC	[2000, 2001]
<i>Trachinotus blochii</i> (Lacepède, 1801)	SR, RFA	Reports of ciguatera poisoning	LC	[2000]
Family ECHENEIDAE (Remoras)				
<i>Echeneis naucrates</i> Linnaeus, 1758	RFA		DD	[2000, 2019]
Family EPHIPPIDAE (Spadefishes)				
<i>Platax teira</i> (Forsskål, 1775)	CS, RFA		LC	[2000, 2001, 2019]
<i>Platax sp.</i>				[2000]
Family GERREIDAE (Mojarrs)				
<i>Gerres oyena</i> (Forsskål, 1775)	CS, RFA		LC	[2001]

Subclass, Order, Family, Genus and species	Habitat types	Threat to humans	IUCN status	Other remarks
Family HAEMULIDAE (Sweetlips)				
<i>Plectorhinchus albovittatus</i> (Rüppell, 1838)	SR, RFA			[2000]
± <i>Plectorhinchus chaetodonoides</i> Lacepède, 1801	SR, RFA			[2019]
<i>Plectorhinchus chrysotaenia</i> (Bleeker, 1855)	SR, RFA			[2001, s: <i>Plectorhinchus celebicus</i>]
<i>Plectorhinchus gibbosus</i> (Lacepède, 1802)	SR, RFA	Reports of ciguatera poisoning	LC	[2000, 2001]
<i>Plectorhinchus lessonii</i> (Cuvier, 1830)	SR, RFA			[2000, s: <i>Plectorhinchus lessonii</i>]
<i>Plectorhinchus vittatus</i> (Linnaeus, 1758)	SR, RFA		LC	[2000]
Family LETHRINIDAE (Emperors)				
<i>Lethrinus erythropterus</i> Valenciennes, 1830	SR, RFA		LC	[2000, 2001, 2019]
<i>Lethrinus microdon</i> Valenciennes, 1830	SR, RFA	Reports of ciguatera poisoning	LC	[2000]
<i>Lethrinus olivaceus</i> Valenciennes, 1830	SR, RFA	Reports of ciguatera poisoning	LC	[2000, 2001]
<i>Lethrinus ornatus</i> Valenciennes, 1830	SR, RFA		LC	[2000]
<i>Lethrinus sp.</i>				[2001]
Family LUTJANIDAE (Snapper)				
<i>Lutjanus argentimaculatus</i> (Forsskål, 1775)	SR, RFA	Reports of ciguatera poisoning	LC	[2000, 2001]
<i>Lutjanus bohar</i> (Forsskål, 1775)	SR, RFA	Reports of ciguatera poisoning	LC	[2000]
<i>Lutjanus decussatus</i> (Cuvier, 1828)	SR, RFA		LC	[2001, 2019]
<i>Lutjanus fulviflamma</i> (Forsskål, 1775)	SR, RFA	Reports of ciguatera poisoning	LC	[2000]
<i>Lutjanus johnii</i> (Bloch, 1792)	SR, RFA		LC	[2000]

Subclass, Order, Family, Genus and species	Habitat types	Threat to humans	IUCN status	Other remarks
<i>Lutjanus kasmira</i> (Forsskål, 1775)	SR, RFA		LC	[2000]
<i>Lutjanus lutjanus</i> Bloch, 1790	SR, RFA		LC	[2000, 2001, 2019]
<i>Lutjanus quinquelineatus</i> (Bloch, 1790)	SR, RFA		LC	[2001, 2019]
<i>Lutjanus russellii</i> (Bleeker, 1849)	SR, RFA		LC	[2001, s: <i>Lutjanus russellii</i> ; 2019]
<i>Lutjanus vitta</i> (Quoy & Gaimard, 1824)	SR, RFA		LC	[2000, 2001, 2019]
<i>Macolor niger</i> (Forsskål, 1775)	SR, RFA		LC	[2000, 2001]
Family MONODACTYLIDAE (Monos, Moonyfishes)				
<i>Monodactylus argenteus</i> (Linnaeus, 1758)	CS, PEL		DD	[2000, 2019; 2001, s: <i>Monodactylus argenteus</i>]
Family MULLIDAE (Goatfish)				
<i>Mulloidichthys flavolineatus</i> (Lacepède, 1801)	SR, RFA		DD	[2000]
<i>Parupeneus ciliatus</i> (Lacepède, 1802)	SR, RFA		LC	[2000]
<i>Parupeneus indicus</i> (Shaw, 1803)	SR, RFA		LC	[2000]
<i>Upeneus tragula</i> Richardson, 1846	CS, RFA		LC	[2000, 2019]
Family NEMIPTERIDAE (Threadfin breams)				
<i>Pentapodus caninus</i> (Cuvier, 1830)	SR, RFA		LC	[2000, 2001]
<i>Pentapodus emeryii</i> (Richardson, 1843)	SR, RFA		LC	[2000]
<i>Scolopsis affinis</i> Peters, 1877	SR, RFA		LC	[2000, 2001, 2019].
<i>Scolopsis bilineata</i> (Bloch, 1793)	SR, RFA		LC	[2000, 2001, s: <i>Scolopsis bilineatus</i> ; 2019]
<i>Scolopsis ciliata</i> (Lacepède, 1802)	SR, RFA		LC	[2000, 2001, s: <i>Scolopsis ciliates</i> ; 2019]

Subclass, Order, Family, Genus and species	Habitat types	Threat to humans	IUCN status	Other remarks
<i>Scolopsis lineata</i> Quoy & Gaimard, 1824	SR, RFA		LC	[2000, 2001, s: <i>Scolopsis lineatus</i> ; 2019]
<i>Scolopsis margaritifer</i> (Cuvier, 1830)	SR, RFA		LC	[2000, 2019; 2001, s: <i>Scolopsis margaritifera</i>]
<i>Scolopsis monogramma</i> (Cuvier, 1830)	SR, RFA		LC	[2000, 2001, 2011, 2019]
<i>Scolopsis trilineata</i> Kner, 1868	SR, RFA		LC	[2001, s: <i>Scolopsis trilineatus</i>]
<i>Scolopsis vosmeri</i> (Bloch, 1792)	SR, RFA		LC	[2000, 2001, 2019]
Family PRIACANTHIDAE (Bigeyes)				
<i>Priacanthus blochii</i> Bleeker, 1853	SR, RFA		LC	[2000]
<i>Priacanthus hamrur</i> (Forsskål, 1775)	SR, RFA		LC	[2000]
Family PSEUDOCROMIDAE (Dotyback)				
<i>Pseudochromis fuscus</i> Müller & Troschel, 1849	SR, RFA		LC	[2001, s: <i>Pseudochromis fuscus</i>]
Family SERRANIDAE (Grouper)				
<i>Aethaloperca rogaa</i> (Forsskål, 1775).	SR, RFA		LC	[2000]
<i>Cephalopholis boenack</i> (Bloch, 1790)	SR, RFA			[2001, 2019]
<i>Cephalopholis cyanostigma</i> (Valenciennes, 1828)	SR, RFA		LC	[2001, 2019]
<i>Cephalopholis formosa</i> (Shaw, 1812)	SR, RFA		LC	[2001, 2019; 2001, s: <i>Cephalopholis formosus</i>]
<i>Cephalopholis microprion</i> (Bleeker, 1852)	SR, RFA		LC	[2001]
<i>Cephalopholis miniata</i> (Forsskål, 1775)	SR, RFA		LC	[2000]

Subclass, Order, Family, Genus and species	Habitat types	Threat to humans	IUCN status	Other remarks
<i>Diploprion bifasciatum</i> Cuvier, 1828	SR, RFA		LC	[2001]
<i>Epinephelus fasciatus</i> (Forsskål, 1775)	SR, RFA	Reports of ciguatera poisoning	LC	[2000, 2019; 2001, s: <i>Epinephelus fasciatus</i>]
<i>Epinephelus fuscoguttatus</i> (Forsskål, 1775)	SR, RFA	Reports of ciguatera poisoning	VU	[2001, s: <i>Epinephelus fuscoguttatus</i>]
<i>Epinephelus ongus</i> (Bloch, 1790)	SR, RFA		LC	[2001, s: <i>Epinephelus ongus</i>]
<i>Epinephelus polyphkadion</i> (Bleeker, 1849)	SR, RFA	Reports of ciguatera poisoning	VU	[2000]
<i>Epinephelus quoyanus</i> (Valenciennes, 1830)	SR, RFA	Reports of ciguatera poisoning	LC	[2001, s: <i>Epinephelus quoyanus</i> ; 2019]
<i>Plectropomus areolatus</i> (Rüppell, 1830)	SR, RFA	Reports of ciguatera poisoning	VU	[2000, s: <i>Plectropomus areolatus</i>]
<i>Plectropomus leopardus</i> (Lacepède, 1802)	SR, RFA	Reports of ciguatera poisoning	LC	[2000, 2001, 2019]
<i>Plectropomus maculatus</i> (Bloch, 1790)	SR, RFA	Reports of ciguatera poisoning	LC	[2000, 2001]
Order Perciformes				
Family CHAETODONTIDAE (Butterflyfish)				
<i>Chaetodon adiergastos</i> Seale, 1910	SR, RFA		LC	[2000]
<i>Chaetodon auriga</i> Forsskål, 1775	SR, RFA		LC	[2000]
<i>Chaetodon baronessa</i> Cuvier, 1829	SR, RFA		LC	[2000, 2001, 2019]
<i>Chaetodon lineolatus</i> Cuvier, 1831	SR, RFA		LC	[2000]
<i>Chaetodon lunulatus</i> Quoy & Gaimard, 1825	SR, RFA		LC	[2001]

Subclass, Order, Family, Genus and species	Habitat types	Threat to humans	IUCN status	Other remarks
<i>Chaetodon octofasciatus</i> Bloch, 1787	SR, RFA		LC	[2000, 2001, 2019]
<i>Chaetodon trifascialis</i> Quoy & Gaimard, 1825	SR, RFA		NT	[2000]
<i>Chaetodon trifasciatus</i> Park, 1797	SR, RFA		VU	[2000]
<i>Chaetodon wiebelli</i> Kaup, 1863	SR, RFA		LC	[2000, 2001]
<i>Chelmon rostratus</i> (Linnaeus, 1758)	SR, RFA		LC	[2000, 2019; 2001, s: <i>Chelmon rostratum</i>]
<i>Coradion chrysozonus</i> (Cuvier, 1831)	SR, RFA		LC	[2000, 2001, 2019]
<i>Heniochus acuminatus</i> (Linnaeus, 1758)	SR, RFA		VU	[2000, s: <i>Heniochus accuminatu</i> ; 2001, s: <i>Heniochus acuminiatus</i>]
<i>Heniochus varius</i> (Cuvier, 1829)	SR, RFA		LC	[2000]
Family LABRIDAE (Wrasse)				
<i>Bodianus diana</i> (Lacepède, 1801)	SR, RFA		LC	[2000]
<i>Bodianus mesothorax</i> (Bloch & Schneider, 1801)	SR, RFA		LC	[2000, 2001]
<i>Cheilinus chlorourus</i> (Bloch, 1791)	SR, RFA		LC	[2000, 2019; 2001, s: <i>Cheilinus clorourus</i>]
<i>Cheilinus fasciatus</i> (Bloch, 1791)	SR, RFA		LC	[2000, 2001, 2019]
<i>Cheilinus trilobatus</i> Rüppell, 1835	SR, RFA		LC	[2000, 2001, 2019]
<i>Cheilinus undulatus</i> Rüppell, 1835	SR, RFA	Reports of ciguatera poisoning	EN	[2001]
<i>Choerodon schoenleinii</i> (Valenciennes, 1839)	SR, RFA		NT	[2000]
<i>Diproctacanthus xanthurus</i> (Bleeker, 1856)	SR, RFA		LC	[2000, 2001, 2019]
*± <i>Epibulus brevis</i> Carlson, Randall & Dawson, 2008	SR, RFA		LC	[2019]
<i>Epibulus insidiator</i> (Pallas, 1770)	SR, RFA	Reports of ciguatera poisoning	LC	[2000, 2001]

Subclass, Order, Family, Genus and species	Habitat types	Threat to humans	IUCN status	Other remarks
<i>Gomphosus varius</i> Lacepède, 1801	SR, RFA		LC	[2000, 2001, 2019]
± <i>Halichoeres bicolor</i> (Bloch & Schneider, 1801)	SR, RFA		LC	[2019]
<i>Halichoeres biocellatus</i> Schultz, 1960	SR, RFA		LC	[2000]
<i>Halichoeres chloropterus</i> (Bloch, 1791)	SR, RFA		LC	[2000, 2001]
<i>Halichoeres dussumieri</i> (Bloch & Schneider, 1801)	SR, RFA		LC	[2001]
*± <i>Halichoeres erdmanni</i> Randall & Allen, 2010	SR, RFA			[2019]
<i>Halichoeres hortulanus</i> (Lacepède, 1801)	SR, RFA		LC	[2001, 2019]
<i>Halichoeres leucurus</i> (Walbaum, 1792)	SR, RFA		LC	[2000, s: <i>Halichoeres purpurascens</i> ; 2019]
<i>Halichoeres marginatus</i> Rüppell, 1835]	SR, RFA		VU	[2000, 2001]
<i>Halichoeres melanochir</i> Fowler & Bean, 1928	SR, RFA		LC	[2000]
<i>Halichoeres melanurus</i> (Bleeker, 1851)	SR, RFA		LC	[2001]
± <i>Halichoeres nebulosus</i> (Valenciennes, 1839)	SR, RFA		LC	[2019]
<i>Halichoeres prosopion</i> (Bleeker, 1853)	SR, RFA		LC	[2000]
*± <i>Halichoeres richmondi</i> Fowler & Bean, 1928	SR, RFA		LC	[2019]
<i>Halichoeres scapularis</i> (Bennett, 1832)	SR, RFA		LC	[2000, 2001].
<i>Halichoeres vrolikii</i> (Bleeker, 1855)	SR, RFA		LC	[2000]
<i>Hemigymnus melapterus</i> (Bloch, 1791)	SR, RFA		LC	[2000, 2001, 2019]

Subclass, Order, Family, Genus and species	Habitat types	Threat to humans	IUCN status	Other remarks
<i>Labrichthys unilineatus</i> (Guichenot, 1847)	SR, RFA		LC	[2000, 2001]
<i>Labroides dimidiatus</i> (Valenciennes, 1839)	SR, RFA		LC	[2000, 2001, 2019]
<i>Leptojulius cyanopleura</i> (Bleeker, 1853)	SR, RFA		LC	[2000]
<i>Macropharyngodon meleagris</i> (Valenciennes, 1839)	SR, RFA		LC	[2000]
<i>Oxycheilinus celebicus</i> (Bleeker, 1853)	SR, RFA		LC	[2000]
<i>Oxycheilinus digramma</i> (Lacepède, 1801)	SR, RFA		LC	[2000, 2001, s: <i>Oxychelinius digrammus</i> ; 2019]
<i>Oxycheilinus mentalis</i> (Rüppell, 1828)	SR, RFA		LC	[2001, s: <i>Oxychelinius mentalis</i>]
<i>Oxycheilinus orientalis</i> (Günther, 1862)	SR, RFA		LC	[2000]
<i>Oxycheilinus</i> sp.	SR, RFA			[2001, s: <i>Oxychelinius</i> sp]
<i>Paracheilinus filamentosus</i> Allen, 1974	SR, RFA		LC	[2000, s: <i>Paracheilinus filamentosus</i>]
<i>Pseudocheilinus evanidus</i> Jordan & Evermann, 1903	SR, RFA		LC	[2000, s: <i>Pseudocheilinus evanide</i>]
<i>Pteragogus cryptus</i> Randall, 1981	SR, RFA		LC	[2000, 2001]
<i>Stethojulis bandanensis</i> (Bleeker, 1851)	SR, RFA		LC	[2000]
± <i>Stethojulis interrupta</i> (Bleeker, 1851)	SR, RFA		LC	[2019]
<i>Stethojulis trilineata</i> (Bloch & Schneider, 1801)	SR, RFA		LC	[2000, 2001, 2019]
<i>Thalassoma hardwicke</i> (Bennett, 1830)	SR, RFA		LC	[2000]

Subclass, Order, Family, Genus and species	Habitat types	Threat to humans	IUCN status	Other remarks
<i>Thalassoma lunare</i> (Linnaeus, 1758)	SR, RFA		LC	[2001, 2019]
Family PINGUIPEDIDAE (Sandperch)				
<i>Parapercis snyderi</i> Jordan & Starks, 1905	SR, RFA			[2000, 2019]
<i>Parapercis xanthozona</i> (Bleeker, 1849)	SR, RFA			[2000, 2019]
Family POMACENTRIDAE (Damsel fish)				
<i>Abudefduf bengalensis</i> (Bloch, 1787)	SR, RFA		LC	[2001, 2019]
<i>Abudefduf notatus</i> (Day, 1870)	SR, RFA		LC	[2000, 2001]
<i>Abudefduf septemfasciatus</i> (Cuvier, 1830)	SR, RFA			[2000]
<i>Abudefduf sexfasciatus</i> (Lacepède, 1801)	SR, RFA			[2001, 2019]
<i>Abudefduf sordidus</i> (Forsskål, 1775)	SR, RFA		LC	[2001, 2019]
<i>Abudefduf vaigiensis</i> (Quoy & Gaimard, 1825)	SR, RFA	Reports of ciguatera poisoning	LC	[2000, 2001, 2019]
<i>Amblyglyphidodon aureus</i> (Cuvier, 1830)	SR, RFA		LC	[2000, 2019]
<i>Amblyglyphidodon curacao</i> (Bloch, 1787)	SR, RFA		LC	[2000, 2001, 2019]
<i>Amblyglyphidodon leucogaster</i> (Bleeker, 1847)	SR, RFA		LC	[2000, 2001, 2019]
<i>Amblyglyphidodon</i> sp.				[2001]
<i>Amphiprion clarkii</i> (Bennett, 1830)	SR, RFA		EN	[2000, 2001, 2019]
<i>Amphiprion frenatus</i> Brevoort, 1856	SR, RFA		LC	[2000, 2001, 2019]
<i>Amphiprion melanopus</i> Bleeker, 1852	SR, RFA		LC	[2001]
<i>Amphiprion ocellaris</i> Cuvier, 1830	SR, RFA			[2000, 2001, 2019]

Subclass, Order, Family, Genus and species	Habitat types	Threat to humans	IUCN status	Other remarks
<i>Amphiprion perideraion</i> Bleeker, 1855	SR, RFA			[2000, 2001, s: <i>Amphiprion periderion</i> ; 2019]
<i>Cheiloprion labiatus</i> (Day, 1870)	SR, RFA			[2000, 2001]
<i>Chromis atripectoralis</i> Welander & Schultz, 1951	SR, RFA			[2000, 2019; 2001, s: <i>Cromis atripectoralis</i>]
<i>Chromis lepidolepis</i> Bleeker, 1877	SR, RFA			[2000, s: <i>Chromis lepidolepsis</i>]
<i>Chromis ternatensis</i> (Bleeker, 1856)	SR, RFA			[2000]
± <i>Chromis viridis</i> (Cuvier, 1830)	SR, RFA			[2019]
<i>Chromis weberi</i> Fowler & Bean, 1928	SR, RFA			[2000, s: <i>Chromis weberi</i>]
<i>Chrysiptera leucopoma</i> (Cuvier, 1830)	SR, RFA			[2001]
<i>Dascyllus reticulatus</i> (Richardson, 1846)	SR, RFA			[2000, 2019; 2001, s: <i>Dascyllus reticulates</i>]
<i>Dascyllus trimaculatus</i> (Rüppell, 1829)	SR, RFA		VU	[2000, 2001, 2019]
<i>Dischistodus chrysopoecilus</i> (Bleeker, 1858)	SR, RFA			[2001, s: <i>Dischistodus chrysopaecilus</i>]
<i>Dischistodus melanotus</i> (Bleeker, 1858)	SR, RFA			[2000, 2001, 2019]
<i>Dischistodus perspicillatus</i> (Cuvier, 1830)	SR, RFA			[2000, 2019; 2001, s: <i>Dischistodus perspiciliatus</i>]
<i>Hemiglyphidodon plagiometapon</i> (Bleeker, 1852)	SR, RFA			[2000, s: <i>Hemiglyphidodon plagiometapon</i> ; 2001, s: <i>Hemiglyphidodon plagiometopodon</i>]

Subclass, Order, Family, Genus and species	Habitat types	Threat to humans	IUCN status	Other remarks
<i>Neoglyphidodon melas</i> (Valenciennes, 1830)	SR, RFA			[2000, 2001, 2019]
<i>Neoglyphidodon nigroris</i> (Cuvier, 1830)	SR, RFA			[2001]
<i>Neoglyphidodon oxyodon</i> (Bleeker, 1858)	SR, RFA			[2000]
<i>Neoglyphidodon thoracotaeniatus</i> (Fowler & Bean, 1928)	SR, RFA			[2000]
<i>Neopomacentrus anabatooides</i> (Bleeker, 1847)	SR, RFA			[2000, 2001]
<i>Neopomacentrus azyron</i> (Bleeker, 1877)	SR, RFA			[2000, s: <i>Neopomacentrus azyros</i>]
<i>Neopomacentrus cyanomos</i> (Bleeker, 1856)	SR, RFA		VU	[2000, 2019; 2001, s: <i>Neopomacentrus cyanomus</i>]
<i>Neopomacentrus violascens</i> (Bleeker, 1848)	SR, RFA			[2001]
<i>Plectroglyphidodon lacrymatus</i> (Quoy & Gaimard 1825)	SR, RFA			[2000, 2001]
<i>Pomacentrus alexandrae</i> Evermann & Seale, 1907	SR, RFA			[2000, 2019; 2001, s: <i>Pomacentrus alexandrae</i>]
± <i>Pomacentrus armillatus</i> Allen, 1993	SR, RFA			[2019]
<i>Pomacentrus bankanensis</i> Bleeker, 1854	SR, RFA			[2001]
<i>Pomacentrus bintanensis</i> Allen, 1999	SR, RFA			[2001]
<i>Pomacentrus chrysurus</i> Cuvier, 1830	SR, RFA			[2000, 2001]
<i>Pomacentrus coelestis</i> Jordan & Starks, 1901	SR, RFA			[2000, s: <i>Pomacentrus coelestris</i> ; 2001, 2019]

Subclass, Order, Family, Genus and species	Habitat types	Threat to humans	IUCN status	Other remarks
<i>Pomacentrus grammorhynchus</i> Fowler, 1918	SR, RFA			[2000; 2001, s: <i>Pomacentrus gymmnorhynchus</i>]
<i>Pomacentrus lepidogenys</i> Fowler & Bean, 1928 .	SR, RFA			[2000]
<i>Pomacentrus moluccensis</i> Bleeker, 1853	SR, RFA			[2000, 2001, 2019]
<i>Pomacentrus philippinus</i> Evermann & Seale, 1907	SR, RFA			[2000, 2001]
± <i>Pomacentrus simsiang</i> Bleeker, 1856	SR, RFA			[2019]
<i>Pomacentrus tripunctatus</i> Cuvier, 1830	SR, RFA			[2011, 2019]
<i>Stegestes lividus</i> (Forster, 1801)	SR, RFA			[2001, s: <i>Stagesstes lividus</i>]
Family SCARIDAE (Parrotfish)				
<i>Bolbometopon muricatum</i> (Valenciennes, 1840)	SR, RFA		VU	[2000, 2001, 2019]
<i>Chlorurus bleekeri</i> (de Beaufort, 1940)	SR, RFA		LC	[2001, s: <i>Scarus bleekeri</i> ; 2019]
± <i>Chlorurus capistratoides</i> (Bleeker, 1847)	SR, RFA		LC	[2019]
<i>Chlorurus sordidus</i> (Forsskål, 1775)	SR, RFA	Reports of ciguatera poisoning	VU	[2001, s: <i>Scarus sordidus</i> ; 2019]
*± <i>Scarus caudofasciatus</i> (Günther, 1862)	SR, RFA		LC	[2019]
<i>Scarus ghobban</i> Forsskål, 1775	SR, RFA		EN	[2000, 2001, 2019]
<i>Scarus niger</i> Forsskål, 1775	SR, RFA		LC	[2000, 2001, 2019]
<i>Scarus prasiognathos</i> Valenciennes, 1840	SR, RFA		LC	[2001, s: <i>Scarus prasiognathus</i> ; 2019]
<i>Scarus psittacus</i> Forsskål, 1775	SR, RFA		DD	[2011, 2019]
<i>Scarus quoyi</i> Valenciennes, 1840	SR, RFA		LC	[2001, 2019]

Subclass, Order, Family, Genus and species	Habitat types	Threat to humans	IUCN status	Other remarks
<i>Scarus rivulatus</i> Valenciennes, 1840	SR, RFA		LC	[2001, 2019]
<i>Scarus rubroviolaceus</i> Bleeker, 1847	SR, RFA		LC	[2001, 2019]
<i>Scarus schlegelii</i> (Bleeker, 1861)	SR, RFA		LC	[2001]
<i>Scarus tricolor</i> Bleeker, 1847	SR, RFA		LC	[2000]
<i>Scaridae</i> sp.				[2000]
Family SCORPAENIDAE (Scorpionfish)				
<i>Pterois russellii</i> Bennett, 1831	SR, RFA	Venomous		[2011, 2019]
Family SPHYRAENIDAE (Barracuda)				
<i>Sphyraena barracuda</i> (Edwards, 1771)	SR, RFA	Traumatogenic	LC	[2000, 2019]
<i>Sphyraena flavicauda</i> Rüppell, 1838	SR, RFA		LC	[2000, 2019]
<i>Sphyraena jello</i> Cuvier, 1829	SR, RFA	Reports of ciguatera poisoning	LC	[2000]
± <i>Sphyraena obtusata</i> Cuvier, 1829	SR, RFA		LC	[2019]
<i>Sphyraena qenie</i> Klunzinger, 1870	SR, RFA		LC	[2000, s: <i>Sphyraena quenie</i>]
Family SYNANCEIIDAE (Stonefish)				
<i>Inimicus didactylus</i> (Pallas, 1769).	CS, RFA	Venomous		[2011, 2019]
Order Syngnathiformes				
Family CENTRISCIDAE (Shrimpfish, Razorfish)				
<i>Aeoliscus strigatus</i> (Günther, 1861)	SR, RFA		DD	[2001]
Order Tetraodontiformes				
Family BALISTIDAE (Triggerfish)				
<i>Balistapus undulatus</i> (Park, 1797)	SR, RFA	Traumatogenic.		[2000]

Subclass, Order, Family, Genus and species	Habitat types	Threat to humans	IUCN status	Other remarks
<i>Balistoides viridescens</i> (Bloch & Schneider, 1801)	SR, RFA	Reports of ciguatera poisoning		[2000; 2001, s: <i>Balistiodes viridescens</i>]
<i>Melichthys vidua</i> (Richardson, 1845)	SR, RFA			[2001]
<i>Pseudobalistes flavimarginatus</i> (Rüppell, 1829)	SR, RFA	Reports of ciguatera poisoning		[2000; 2001]
<i>Sufflamen bursa</i> (Bloch & Schneider, 1801)	SR, RFA			[2000]
Family BELONIDAE (Needlefish)				
<i>Strongylura incisa</i> (Valenciennes, 1846)	SR, RFA			[2000]
<i>Tylosurus crocodilus</i> (Péron & Lesueur, 1821)	SR, RFA	Traumatogenic	LC	[2001]
Family DIODONTIDAE (Porcupinefish)				
<i>Diodon hystrix</i> Linnaeus, 1758	RFA	Poisonous to eat	LC	[2000, 2019]
<i>Diodon liturosus</i> Shaw, 1804	RFA	Reports of ciguatera poisoning		[2000, 2019]
Family MONACANTHIDAE (Filefish, Leatherjacket)				
<i>Aluterus monoceros</i> (Linnaeus, 1758)	SR, RFA	Reports of ciguatera poisoning	LC	[2000, s: <i>Aluterus monoceres</i> ; 2019]
<i>Aluterus scriptus</i> (Osbeck, 1765)	SR, RFA	Reports of ciguatera poisoning	LC	[2000; 2001, s: <i>Aluterus scriptus</i>]
<i>Cantherhines dumerilii</i> (Hollard, 1854)	SR, RFA		LC	[2000]
Family OSTRACIIDAE (Squared)				
<i>Ostracion cubicus</i> Linnaeus, 1758	SR, RFA.		LC	[2000, 2001, 2019]
Family TETRAODONTIDAE (Pufferfish)				
± <i>Arothron mappa</i> (Lesson, 1831)	SR, RFA	Poisonous to eat	LC	[2019]
<i>Arothron nigropunctatus</i> (Bloch & Schneider, 1801)	SR, RFA	Poisonous to eat	LC	[2000, 2001, 2019]

Subclass, Order, Family, Genus and species	Habitat types	Threat to humans	IUCN status	Other remarks
<i>Arothron stellatus</i> (Anonymous, 1798)	SR, RFA	Poisonous to eat	LC	[2000, 2001, 2019]

Newly recorded species notes (Fig. 2)

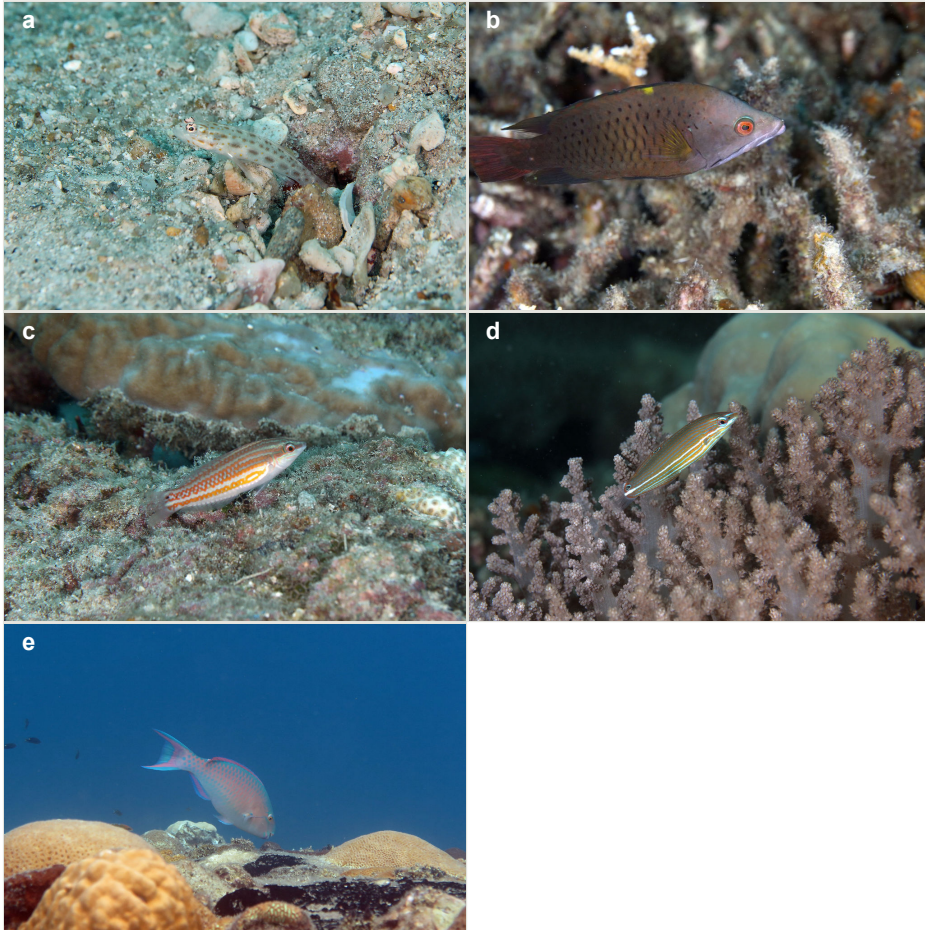


Figure 2.

The newly recorded species in Redang Islands, Malaysia.

- a: *Ctenogobiops mitodes* [doi](#)
- b: *Epibulus brevis* (male) [doi](#)
- c: *Halichoeres erdmanni* (female) [doi](#)
- d: *Halichoeres richmondi* [doi](#)
- e: *Scarus caudofasciatus* (male) [doi](#)

Ctenogobiops mitodes Randall, Shao & Chen, 2007 (Fig. 2a)

Common name: Thread shrimpgoby.

Maximum size of 5.3 cm SL (Froese and Pauly 2018). Characterised by whitish body colour with four longitudinal rows of dark brown spots, midlateral row largest and horizontally elongate; cheeks with row of three dark spots; behind lower edge of eye with oblique blue and yellow mark followed by similar marks on opercle and preopercle; curved blue and yellow line/dashes from behind upper eye to below dorsal fin origin; lower part of pectoral fin with elliptical white spot (Allen and Erdmann 2012). Western Pacific: Australia, Japan, Taiwan, South China Sea and Redang Island, Malaysia.

Epibulus brevis Carlson, Randall & Dawson, 2008 (Fig. 2b)

Common name: Latent slingjaw wrasse.

Maximum size of 18.5 cm SL (Froese and Pauly 2018). Brown or yellowish-brown with dark scale margins, yellow spot on back below base of third and fourth dorsal spines and yellow marking on posterior opercular flap. Females either dark brown or bright yellow with black scale margins and black pectoral fins; males dark brown to grey or dark greenish body, head at least partly green with no black stripe through eye; yellow band in lobes of caudal fin; no black on pectoral fins (Allen and Erdmann 2012). Western Pacific: Indonesia, Palau, Papua New Guinea, Philippines and Redang Island, Malaysia.

Halichoeres erdmanni Randall & Allen, 2010 (Fig. 2c)

Common name: Erdmann's wrasse.

Maximum size of 7.2 cm (male) and 5.9 cm (female) SL (Froese and Pauly 2018). Male greenish with reddish bands on head and combination of reddish stripes and irregular double bars on side; prominent black spot at pectoral base with yellow spot immediately behind; greenish spots and bands on reddish median fins and yellow-green zone at upper and lower rear edge of caudal fin. Female grey green, grading to white ventrally with about six red-orange stripes on side of body; black spot on anterior dorsal fin and smaller black spot on upper caudal-fin base (Allen and Erdmann 2012). Western Pacific: Berau Bay, Indonesia, west Papua, northern Gulf of Thailand, Singapore and Redang Island, Malaysia.

Halichoeres richmondi Fowler & Bean, 1928 (Fig. 2d)

Common name: Richmond's wrasse.

Maximum size of 19 cm (male) TL (Froese and Pauly 2018). Males yellowish-green with pale spots forming horizontal rows on body, head with broad red stripes and narrower blue stripes, yellow pectoral-fin base and purple-streaked blue caudal fin. Female yellow green with blue-green stripes on head and body, pair of black spots on dorsal fin and pale-edged black spot on upper caudal-fin base. Juveniles and females with orange to yellow anal fin. Snout more pointed compared with similar species (Allen and Erdmann 2012). Western

Pacific: Java, Philippines, Ryukyu Islands, Molucas, Palau, Pohnpei, Kwajalein and Redang Island, Malaysia.

Scaruscaudo fasciatus (Günther, 1862) (Fig. 2e)

Common name: Red barred parrotfish.

Maximum size of 50 cm TL (Froese and Pauly 2018). Male green to blue green with pinkish scale margins, green band across end of snout continuing posteriorly under eye, green bands on chin and immediately below mouth; thin green stripe anterior to eye and continued for short distance behind eye; dorsal and anal fins reddish-pink with blue margin and dark-edged pinkish streak on each caudal lobe. Female blackish on anterior half with four alternating greyish and pale green to whitish bars on posterior half (Allen and Erdmann 2012). Western Indian Ocean, Maldives, Andaman Sea, and Redang Island, Malaysia

Checklist of marine fishes of Redang archipelago

Acanthurus dussumieri Valenciennes, 1835

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_1

Notes: Harborne et al. 2000

Acanthurus lineatus (Linnaeus, 1758)

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_2

Notes: Harborne et al. 2000

Acanthurus sp.

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Yusuf YB, Mohd-Norizam M, Ali AB, Zaidnuddin I; occurrenceID: BDJ_12482_3

Notes: Yusuf et al. 2001

Naso lituratus* (Forster, 1801)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo;
occurrenceID: BDJ_12482_4

Notes: Harborne et al. 2000; Yusuf et al. 2001

Naso unicornis* (Forsskål, 1775)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo;
occurrenceID: BDJ_12482_5

Notes: Harborne et al. 2000

Apogon aureus* (Lacepède, 1802)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo;
occurrenceID: BDJ_12482_6

Notes: Yusuf et al. 2001

Cheilodipterus artus* Smith, 1961*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo;
occurrenceID: BDJ_12482_7

Notes: Harborne et al. 2000

Cheilodipterus intermedius* Gon, 1993*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo;
occurrenceID: BDJ_12482_8

Notes: Yusuf et al. 2001

Cheilodipterus macrodon* (Lacepède, 1802)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_9

Notes: m: *Cheilodipterus heptaxona* Harborne et al. 2000; s: *Cheilodipterus microdon* Yusuf et al. 2001; This study.

Cheilodipterus quinquelineatus* Cuvier, 1828*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_10

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Ostorhinchus chrysopomus* (Bleeker 1854)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_11

Notes: s: *Apogon chrysopomus* Yusuf et al. 2001

Ostorhinchus compressus* (Smith & Radcliffe, 1911)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_12

Notes: Harborne et al. 2000; s: *Apogon compressus* Yusuf et al. 2001; This study.

Ostorhinchus cookii* (Macleay, 1881)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_13

Notes: s: *Ostorhinchus cookie* Harborne et al. 2000

Ostorhinchus cyanosoma* (Bleeker, 1853)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_14

Notes: Harborne et al. 2000; s: *Apogon cyanosoma* Yusuf et al. 2001

Ostorhinchus wassinki* (Bleeker, 1860)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_15

Notes: Newly recorded in Redang islands + This study

Pristicon rhodopterus* (Bleeker, 1852)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_16

Notes: s: *Apogon rhodopterus* Yusuf et al. 2001

Taeniamia fucata* (Cantor, 1849)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_17

Notes: Harborne et al. 2000; s: *Archaima fucata* Yusuf et al. 2001; This study.

Taeniamia macroptera* (Cuvier, 1828)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_18

Notes: s: *Archaima macroptera* Yusuf et al. 2001; This study.

Taeniamia zosterophora* (Bleeker, 1856)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo;
occurrenceID: BDJ_12482_19

Notes: s: *Archamia zoesterophora* Harborne et al. (2000); s: *Cheilodipterus zosterophora* Yusuf et al. (2001); This study.

Balistapus undulatus* (Park, 1797)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo;
occurrenceID: BDJ_12482_20

Notes: Harborne et al. 2000

Balistooides viridescens* (Bloch & Schneider, 1801)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo;
occurrenceID: BDJ_12482_21

Notes: Harborne et al. 2000; s: *Balistioides viridescens* Yusuf et al. 2001

Melichthys vidua* (Richardson, 1845)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo;
occurrenceID: BDJ_12482_22

Notes: Yusuf et al. 2001

Pseudobalistes flavimarginatus* (Rüppell, 1829)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo;
occurrenceID: BDJ_12482_23

Notes: Harborne et al. 2000; Yusuf et al. 2001

Sufflamen bursa* (Bloch & Schneider, 1801)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_24

Notes: Harborne et al. 2000

Strongylura incisa* (Valenciennes, 1846)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_25

Notes: Harborne et al. 2000

Tylosurus crocodilus* (Péron & Lesueur, 1821)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_26

Notes: Yusuf et al. 2001

Aspidontus taeniatus* Quoy & Gaimard, 1834*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_27

Notes: Newly recorded in Redang islands + This study.

Atrosalarias fuscus* (Rüppell, 1838)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_28

Notes: Harborne et al. 2000

Ecsenius bicolor* (Day, 1888)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_29

Notes: Harborne et al. 2000; This study.

Ecsenius lineatus* Klauswitz, 1962*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_30

Notes: Harborne et al. 2000

Ecsenius yaeyamaensis* (Aoyagi, 1954)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_31

Notes: Harborne et al. 2000

Meiacanthus grammistes* (Valenciennes, 1836)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_32

Notes: Harborne et al. 2000

Plagoitremus rhinorhynchus* (Bleeker, 1852)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_33

Notes: s: *Plagoitremus rhinorhincus* Yusuf et al. 2001

Salarias* sp.*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Yusuf YB, Mohd-Norizam M, Ali AB, Zaidnuddin I; occurrenceID: BDJ_12482_34

Notes: Yusuf et al. 2001

Caesio caerulea* Lacepède, 1801*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_35

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Caesio cuning* (Bloch, 1791)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_36

Notes: Harborne et al. 2000

Caesio teres* Seale, 1906*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_37

Notes: Yusuf et al. 2001; This study.

Caesio xanthonota* Bleeker, 1853*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_38

Notes: s: *Caesio xanthonata* Yusuf et al. 2001

Pterocaesio chrysozona* (Cuvier, 1830)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_39

Notes: Harborne et al. 2000

Pterocaesio marri* Schultz, 1953*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_40

Notes: Harborne et al. 2000; This study.

Alepes melanoptera* (Swainson, 1839)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_41

Notes: Newly recorded in Redang islands + This study

Alepes* sp.*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Yusuf YB, Mohd-Norizam M, Ali AB, Zaidnuddin I; occurrenceID: BDJ_12482_42

Notes: Yusuf et al. 2001

Carangoides bajad* (Forsskål, 1775)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_43

Notes: Harborne et al. 2000; This study.

***Carangoides chrysophrys* (Cuvier, 1833)**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_44

Notes: s: *Carangoides chrysophrys* Harborne et al. 2000

***Carangoides gymnostethus* (Cuvier, 1833)**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_45

Notes: Harborne et al. 2000

***Caranx melampygus* Cuvier, 1833**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_46

Notes: Harborne et al. 2000

***Caranx sexfasciatus* Quoy & Gaimard, 1825**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_47

Notes: Harborne et al. 2000

***Caranx tille* Cuvier, 1833**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_48

Notes: Harborne et al. 2000

Elagatis bipinnulata* (Quoy & Gaimard, 1825)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_49

Notes: Harborne et al. 2000

Gnathanodon speciosus* (Forsskål, 1775)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_50

Notes: Harborne et al. 2000; Yusuf et al. 2001

Scomberoides lysan* (Forsskål, 1775)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_51

Notes: Yusuf et al. 2001

Selaroides leptolepis* (Cuvier, 1833)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_52

Notes: Newly recorded in Redang islands + This study

Trachinotus bailloni* (Lacepède, 1801)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_53

Notes: Harborne et al. 2000; Yusuf et al. 2001

***Trachinotus blochii* (Lacepède, 1801)**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_54

Notes: Harborne et al. 2000

***Carcharhinus melanopterus* (Quoy & Gaimard, 1824)**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_55

Conservation status: NT

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

***Triaenodon obesus* (Rüppell, 1837)**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_56

Conservation status: NT

Notes: Harborne et al. 2000

***Aeoliscus strigatus* (Günther, 1861)**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_57

Notes: Yusuf et al. 2001

***Chaetodon adiergastos* Seale, 1910**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_58

Notes: Harborne et al. 2000

Chaetodon auriga* Forsskål, 1775*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_59

Notes: Harborne et al. 2000

Chaetodon baronessa* Cuvier, 1829*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_60

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Chaetodon lineolatus* Cuvier, 1831*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_61

Notes: Harborne et al. 2000

Chaetodon lunula* (Lacepède, 1802)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_62

Notes: Yusuf et al. 2001

Chaetodon octofasciatus* Bloch, 1787*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_63

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Chaetodon trifascialis* Quoy & Gaimard, 1825*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_64

Conservation status: NT

Notes: Harborne et al. 2000

Chaetodon trifasciatus* Park, 1797*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_65

Notes: Harborne et al. 2000

Chaetodon wiebeli* Kaup, 1863*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_66

Notes: Harborne et al. 2000; Yusuf et al. 2001

Chelmon rostratus* (Linnaeus, 1758)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_67

Notes: Harborne et al. 2000; This study; s: *Chelmon rostratum* Yusuf et al. 2001

Coradion chrysozonus* (Cuvier, 1831)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_68

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Heniochus acuminatus* (Linnaeus, 1758)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_69

Notes: s: *Heniochus accuminatus* Harborne et al. 2000; s: *Heniochus acuminatus* Yusuf et al. 2001

Heniochus varius* (Cuvier, 1829)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_70

Notes: Harborne et al. 2000

Chanos chanos* (Forsskål, 1775)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_71

Notes: Yusuf et al. 2001

Himantura* sp.*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Harborne A, Fenner D, Barnes A, Beger M, Harding S, Roxburgh T; occurrenceID: BDJ_12482_72

Notes: Harborne et al. 2000

Taeniura lymma* (Forsskål, 1775)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_73

Conservation status: NT

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Diodon hystrix* Linnaeus, 1758*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_74

Notes: Harborne et al. 2000; This study.

Diodon liturosus* Shaw, 1804*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_75

Notes: Harborne et al. 2000; This study.

Echeneis naucrates* Linnaeus, 1758*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_76

Notes: Harborne et al. 2000; This study.

Platax teira* (Forsskål, 1775)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_77

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Platax* sp.*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Harborne A, Fenner D, Barnes A, Beger M, Harding S, Roxburgh T; occurrenceID: BDJ_12482_78

Notes: Harborne et al. 2000

Gerres oyena* (Forsskål, 1775)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_79

Notes: Yusuf et al. 2001

Nebrius ferrugineus* (Lesson, 1831)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_80

Conservation status: VU

Notes: Harborne et al. 2000

Diademichthys lineatus* (Sauvage, 1883)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_81

Notes: Newly recorded in Redang islands + This study.

Amblyeleotris rubrimarginata* Mohlmann & Randall, 2002*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_82

Notes: Newly recorded in Redang islands + This study.

Amblyeleotris steinitzi* (Klausewitz, 1974)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_83

Notes: Yusuf et al. 2001

Amblyeleotris phalaena* (Valenciennes, 1837)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_84

Notes: Yusuf et al. 2001

Cryptocentrus cinctus* (Herre, 1936)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_85

Notes: Harborne et al. 2000; Yusuf et al. 2001

Ctenogobiops pomastictus* Lubbock & Polunin, 1977*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_86

Notes: s: *Ctenogobius pomastictus* Yusuf et al. (2001)

Ctenogobiops mitodes* Randall, Shao & Chen, 2007*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_87

Notes: * Newly recorded in Malaysia + This study.

Eviota sebreei* Jordan & Seale, 1906*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_88

Notes: Newly recorded in Redang islands + This study.

Exyrias bellissimus* (Smith, 1959)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_89

Notes: Newly recorded in Redang islands + This study.

Istigobius decoratus* (Herre, 1927)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_90

Notes: Yusuf et al. 2001

Istigobius goldmanni* (Bleeker, 1852)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_91

Notes: This study.

Istigobius nigroocellatus* (Günther, 1873)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_92

Notes: This study.

Valenciennesa longipinnis* (Lay & Bennett, 1839)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_93

Notes: Yusuf et al. 2001

Valenciennesa muralis* (Valenciennes, 1837)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_94

Notes: Yusuf et al. 2001

Valenciennesa sexguttata* (Valenciennes, 1837)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_95

Notes: Yusuf et al. 2001; This study.

Plectorhinchus albovittatus* (Rüppell, 1838)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_96

Notes: Harborne et al. 2000

Plectorhinchus chaetodonoides* Lacepède, 1801*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_97

Notes: Newly recorded in Redang islands + This study.

Plectorhinchus chrysoaenia* (Bleeker, 1855)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_98

Notes: s: *Plectorhinchus celebicus* Yusuf et al. 2001

Plectorhinchus gibbosus* (Lacepède, 1802)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_99

Notes: Harborne et al. 2000; Yusuf et al. 2001

Plectorhinchus lessonii* (Cuvier, 1830)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_100

Notes: s: *Plectorhinchus lessoni* Harborne et al. 2000

Plectorhinchus vittatus* (Linnaeus, 1758)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_101

Notes: Harborne et al. 2000

Hemiramphus* sp.*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Yusuf YB, Mohd-Norizam M, Ali AB, Zaidnuddin I; occurrenceID: BDJ_12482_102

Notes: Yusuf et al. 2001

Hemiramphus affinis* (Güther, 1866)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_103

Notes: s: *Hyporhamphus affinis* Yusuf et al. 2001

Myripristis hexagona* (Lacepède, 1802)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_104

Notes: Newly recorded in Redang islands + This study.

Myripristis kuntee* Valenciennes, 1831*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_105

Notes: Yusuf et al. 2001

Myripristis murdjan* (Forsskål, 1775)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_106

Notes: Harborne et al. 2000

Sargocentron cornutum* (Bleeker, 1854)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_107

Notes: Newly recorded in Redang islands + This study.

Sargocentron rubrum* (Forsskål, 1775)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_108

Notes: This study.

Sargocentron prasin* (Lacepède, 1802)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_109

Notes: Harborne et al. 2000

Sargocentron* sp.*Material****Holotype:**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Yusuf YB, Mohd-Norizam M, Ali AB, Zaidnuddin I; occurrenceID: BDJ_12482_110

Notes: Yusuf et al. 2001

Kyphosus cinerascens* (Forsskål, 1775)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_111

Notes: Yusuf et al. 2001

Kyphosus* sp.*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Harborne A, Fenner D, Barnes A, Beger M, Harding S, Roxburgh T; occurrenceID: BDJ_12482_112

Notes: Harborne et al. 2000

Bodianus diana* (Lacepède, 1801)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_113

Notes: Harborne et al. 2000

Bodianus mesothorax* (Bloch & Schneider, 1801)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_114

Notes: Harborne et al. 2000; Yusuf et al. 2001

Cheilinus chlorourus* (Bloch, 1791)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_115

Notes: Harborne et al. 2000; This study; s: *Cheilinus clorourus* Yusuf et al. 2001.

Cheilinus fasciatus* (Bloch, 1791)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_116

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Cheilinus trilobatus* Rüppell, 1834*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_117

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Cheilinus undulatus* Rüppell, 1835*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_118

Notes: Yusuf et al. 2001

Choerodon schoenleinii* (Valenciennes, 1839)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_119

Notes: Harborne et al. 2000

Diproctacanthus xanthurus* (Bleeker, 1856)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_120

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Epibulus brevis* Carlson, Randall & Dawson, 2008*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_121

Notes: * Newly recorded in Malaysia + This study.

Epibulus insidiator* (Pallas, 1770)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_122

Notes: Harborne et al. 2000; Yusuf et al. 2001

Gomphosus varius* Lacepède, 1801*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_123

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Halichoeres bicolor* (Bloch & Schneider, 1801)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo;
occurrenceID: BDJ_12482_124

Notes: Newly recorded in Redang islands + This study.

Halichoeres biocellatus* Schultz, 1960*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo;
occurrenceID: BDJ_12482_125

Notes: Harborne et al. 2000

Halichoeres chloropterus* (Bloch, 1791)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo;
occurrenceID: BDJ_12482_126

Notes: Harborne et al. 2000; Yusuf et al. 2001

Halichoeres dussumieri* (Bloch & Schneider, 1801)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo;
occurrenceID: BDJ_12482_127

Notes: Yusuf et al. 2001

Halichoeres erdmanni* Randall & Allen, 2010*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo;
occurrenceID: BDJ_12482_128

Notes: * Newly recorded in Malaysia + This study.

Halichoeres hortulanus* (Lacepède, 1801)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_129

Notes: Yusuf et al. 2001; This study.

Halichoeres leucurus* (Walbaum, 1792)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_130

Notes: s: *Halichoeres purpurascens* Harborne et al. 2000; This study.

Halichoeres marginatus* Rüppell, 1835*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_131

Notes: Harborne et al. 2000; Yusuf et al. 2001

Halichoeres melanochir* Fowler & Bean, 1928*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_132

Notes: This study.

Halichoeres melanurus* (Bleeker, 1851)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_133

Notes: Harborne et al. 2000

Halichoeres nebulosus* (Valenciennes, 1839)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo;
occurrenceID: BDJ_12482_134

Notes: Marsunuma et al. 2011; This study.

Halichoeres prosopeion* (Bleeker, 1853)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo;
occurrenceID: BDJ_12482_135

Notes: This study.

Halichoeres richmondi* Fowler & Bean, 1928*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo;
occurrenceID: BDJ_12482_136

Notes: * Newly recorded in Malaysia + This study.

Halichoeres scapularis* (Bennett, 1832)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo;
occurrenceID: BDJ_12482_137

Notes: Harborne et al. 2000; Yusuf et al. 2001

Halichoeres vrolikii* (Bleeker, 1855)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo;
occurrenceID: BDJ_12482_138

Notes: Harborne et al. 2000

Hemigymnus melapterus* (Bloch, 1791)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_139

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Labrichthys unilineatus* (Guichenot, 1847)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_140

Notes: Harborne et al. 2000; Yusuf et al. 2001

Labroides dimidiatus* (Valenciennes, 1839)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_141

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Leptojulius cyanopleura* (Bleeker, 1853)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_142

Notes: Harborne et al. 2000

Macropharyngodon meleagris* (Valenciennes, 1839)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_143

Notes: Harborne et al. 2000

Oxycheilinus celebicus* (Bleeker, 1853)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_144

Notes: Harborne et al. 2000

Oxycheilinus digramma* (Lacepède, 1801)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_145

Notes: Harborne et al. 2000; This study; s: *Oxychelinius diagrammus* Yusuf et al. 2001

Oxycheilinus mentalis* (Rüppell, 1828)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_146

Notes: s: *Oxychelinius mentalis* Yusuf et al. 2001.

Oxycheilinus orientalis* (Günther, 1862)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_147

Notes: Harborne et al. 2000

Oxycheilinus* sp.*Material*****Holotype:***

- a. country: Malaysia; locality: Redang islands; identifiedBy: Yusuf YB, Mohd-Norizam M, Ali AB, Zaidnuddin I; occurrenceID: BDJ_12482_148

Notes: s: *Oxychelinius* sp. Yusuf et al. 2001.

Paracheilinus filamentosus* Allen, 1974*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_149

Notes: s: *Paracheilinus filamentosus* Harborne et al. 2000.

Pseudocheilinus evanidus* Jordan & Evermann, 1903*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_150

Notes: s: *Pseudocheilinus evanides* Harborne et al. 2000.

Pteragogus cryptus* Randall, 1981*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_151

Notes: Harborne et al. 2000; Yusuf et al. 2001

Stethojulis bandanensis* (Bleeker, 1851)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_152

Notes: Harborne et al. 2000

Stethojulis interrupta* (Bleeker, 1851)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_153

Notes: Newly recorded in Redang islands + This study.

Stethojulis trilineata* (Bloch & Schneider, 1801)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_154

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Thalassoma hardwicke* (Bennett, 1830)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_155

Notes: Harborne et al. 2000

Thalassoma lunare* (Linnaeus, 1758)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_156

Notes: Yusuf et al. 2001; This study.

Lethrinus erythropterus* Valenciennes, 1830*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_157

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Lethrinus microdon* Valenciennes, 1830*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_158

Notes: Harborne et al. 2000

Lethrinus olivaceus* Valenciennes, 1830*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_159

Notes: Harborne et al. 2000; Yusuf et al. 2001

Lethrinus ornatus* Valenciennes, 1830*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_160

Notes: Harborne et al. 2000

Lethrinus* sp.*Material*****Holotype:***

- a. country: Malaysia; locality: Redang islands; identifiedBy: Yusuf YB, Mohd-Norizam M, Ali AB, Zaidnuddin I; occurrenceID: BDJ_12482_161

Notes: Yusuf et al. 2001

Lutjanus argentimaculatus* (Forsskål, 1775)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_162

Notes: Harborne et al. 2000; Yusuf et al. 2001

Lutjanus bohar* (Forsskål, 1775)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_163

Notes: Harborne et al. 2000

***Lutjanus decussatus* (Cuvier, 1828)**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_164

Notes: Yusuf et al. 2001; This study.

***Lutjanus fulviflamma* (Forsskål, 1775)**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_165

Notes: Harborne et al. 2000

***Lutjanus johnii* (Bloch, 1792)/**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_166

Notes: Harborne et al. 2000

***Lutjanus kasmira* (Forsskål, 1775)**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_167

Notes: Harborne et al. 2000

***Lutjanus lutjanus* Bloch, 1790**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_168

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Lutjanus quinquelineatus* (Bloch, 1790)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_169

Notes: Yusuf et al. 2001; This study.

Lutjanus russellii* (Bleeker, 1849)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_170

Notes: s: *Lutjanus russellii* Yusuf et al. 2001. This study.

Lutjanus vitta* (Quoy & Gaimard, 1824)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_171

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Macolor niger* (Forsskål, 1775)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_172

Notes: Harborne et al. 2000; Yusuf et al. 2001

Gunnelichthys monostigma* Smith, 1958*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_173

Notes: Harborne et al. 2000

Aluterus monoceros* (Linnaeus, 1758)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_174

Notes: s: *Aluterus monoceros* Harborne et al. 2000. This study.

Aluterus scriptus* (Osbeck, 1765)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_175

Notes: Harborne et al. 2000. s: *Aluterus scriptus* Yusuf et al. 2001

Cantherhines dumerilii* (Hollard, 1854)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_176

Notes: Harborne et al. 2000

Monodactylus argenteus* (Linnaeus, 1758)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_177

Notes: Harborne et al. 2000; This study; s: *Monodactylus argentius* Yusuf et al. 2001

Mulloidichthys flavolineatus* (Lacepède, 1801)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_178

Notes: Harborne et al. 2000

Parupeneus ciliatus* (Lacepède, 1801)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_179

Notes: Harborne et al. 2000

Parupeneus indicus* (Shaw, 1803)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_180

Notes: Harborne et al. 2000

Upeneus tragula* Richardson, 1846*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_181

Notes: Harborne et al. 2000; This study.

Crenemugil crenilabis* (Forsskål, 1775)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_182

Notes: Yusuf et al. 2001

Gymnothorax fimbriatus* (Bennett, 1832)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_183

Notes: Newly recorded in Redang islands + This study.

Gymnothorax javanicus* Bloch & Schneider, 1801*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_184

Notes: Harborne et al. 2000; This study.

Pentapodus caninus* (Cuvier, 1830)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_185

Notes: Harborne et al. 2000; Yusuf et al. 2001

Pentapodus emeryii* (Richardson, 1843)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_186

Notes: Harborne et al. 2000

Scolopsis affinis* Peters, 1877*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_187

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Scolopsis bilineata* (Bloch, 1793)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_188

Notes: Harborne et al. 2000; This study; s: *Scolopsis bilineatus* Yusuf et al. 2001.

Scolopsis ciliata* (Lacepède, 1802)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_189

Notes: Harborne et al. 2000; This study; s: *Scolopsis ciliates* Yusuf et al. 2001.

Scolopsis lineata* Quoy & Gaimard, 1824*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_190

Notes: Harborne et al. 2000; This study; s: *Scolopsis lineatus* Yusuf et al. 2001.

Scolopsis margaritifer* (Cuvier, 1830)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_191

Notes: Harborne et al. 2000; This study; s: *Scolopsis margaritifera* Yusuf et al. 2001.

Scolopsis monogramma* (Cuvier, 1830)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_192

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Scolopsis trilineata* Kner, 1868*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_193

Notes: s: *Scolopsis trilineatus* Yusuf et al. 2001

***Scolopsis vosmeri* (Bloch, 1792)**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_194

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

***Ostracion cubicus* Linnaeus, 1758**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_195

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

***Pempheris oualensis* Cuvier, 1831**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_196

Notes: Harborne et al. 2000; This study.

***Pempheris schwenkii* Bleeker, 1855**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_197

Notes: Harborne et al. 2000

***Pempheris vanicolensis* Cuvier, 1831**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_198

Notes: Yusuf et al. 2001

Parapercis snyderi* Jordan & Starks, 1905*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_199

Notes: Harborne et al. 2000; This study.

Parapercis xanthozona* (Bleeker, 1849)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_200

Notes: Harborne et al. 2000; This study.

Chaetodontoplus mesoleucus* (Bloch, 1787)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_201

Notes: Harborne et al. 2000; This study; s: *Chaetodontoplus mesoleucas* Yusuf et al. 2001.

Pomacanthus annularis* (Bloch, 1787)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_202

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Pomacanthus imperator* (Bloch, 1787)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_203

Notes: Newly recorded in Redang islands + This study.

***Pomacanthus sexstriatus* (Cuvier, 1831)**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_204

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

***Pomacanthus xanthometopon* (Bleeker, 1853)**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_205

Notes: Harborne et al. 2000

***Abudefduf bengalensis* (Bloch, 1787)**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_206

Notes: Yusuf et al. 2001; This study.

***Abudefduf notatus* (Day, 1870)**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_207

Notes: Harborne et al. 2000; Yusuf et al. 2001

***Abudefduf septemfasciatus* (Cuvier, 1830)**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_208

Notes: Harborne et al. 2000

Abudefduf sexfasciatus* (Lacepède, 1801)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_209

Notes: Yusuf et al. 2001; This study.

Abudefduf sordidus* (Forsskål, 1775)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_210

Notes: Harborne et al. 2000; This study 2019.

Abudefduf vaigiensis* (Quoy & Gaimard, 1825)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_211

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Amblyglyphidodon aureus* (Cuvier, 1830)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_212

Notes: Harborne et al. 2000; This study.

Amblyglyphidodon curacao* (Bloch, 1787)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_213

Notes: Harborne et al. 2000; Yusuf et al. 2001 ; This study.

Amblyglyphidodon leucogaster* (Bleeker, 1847)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_214

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Amblyglyphidodon* sp.*Material**

- a. country: Malaysia; locality: Redang islands; occurrenceID: BDJ_12482_215

Notes: Yusuf et al. 2001

Amphiprion clarkii* (Bennett, 1830)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_216

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Amphiprion frenatus* Brevoort, 1856*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_217

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Amphiprion melanopus* Bleeker, 1852*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_218

Notes: Yusuf et al. 2001

Amphiprion ocellaris* Cuvier, 1830*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_219

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

***Amphiprion perideraion* Bleeker, 1855**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_220

Notes: Harborne et al. 2000; This study; s: *Amphiprion periderion* Yusuf et al. 2001.

***Cheiloprion labiatus* (Day, 1870)**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_221

Notes: Harborne et al. 2000; Yusuf et al. 2001

***Chromis atripectoralis* Welander & Schultz, 1951**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_222

Notes: Harborne et al. 2000; This study; s: *Cromis atripectoralis* Yusuf et al. 2001.

***Chromis lepidolepis* Bleeker, 1877**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_223

Notes: s: *Chromis lepidolepis* Harborne et al. 2000

***Chromis ternatensis* (Bleeker, 1856)**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_224

Notes: Harborne et al. 2000

Chromis viridis* (Cuvier, 1830)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_225

Notes: Newly recorded in Redang islands + This study.

Chromis weberi* Fowler & Bean, 1928*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_226

Notes: s: *Chromis weberii* Harborne et al. 2000

Chrysiptera leucopoma* (Cuvier, 1830)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_227

Notes: Yusuf et al. 2001

Dascyllus reticulatus* (Richardson, 1846)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_228

Notes: Harborne et al. 2000; This study; s: *Dascyllus reticulatus* Yusuf et al. 2001.

Dascyllus trimaculatus* (Rüppell, 1829)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_229

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Dischistodus chrysopoecilus* (Bleeker, 1858)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_230

Notes: s: *Dischistodus chrysopoecilus* Yusuf et al. 2001.

Dischistodus melanotus* (Bleeker, 1858)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_231

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Dischistodus perspicillatus* (Cuvier, 1830)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_232

Notes: Harborne et al. 2000; This study; s: *Dischistodus perspicillatus* Yusuf et al. 2001.

Hemiglyphidodon plagiometopon* (Bleeker, 1852)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_233

Notes: s: *Hemiglyphidodon plagiometopon* Harborne et al. 2000; s: *Hemiglyphidodon plagiometopon* Yusuf et al. 2001

Neoglyphidodon melas* (Valenciennes, 1830)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_234

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Neoglyphidodon nigroris* (Cuvier, 1830)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_235

Notes: Yusuf et al. 2001

Neoglyphidodon oxyodon* (Bleeker, 1858)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_236

Notes: Harborne et al. 2000

Neoglyphidodon thoracotaeniatus* (Fowler & Bean, 1928)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_237

Notes: Harborne et al. 2000

Neopomacentrus anabatoides* (Bleeker, 1847)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_238

Notes: Harborne et al. 2000; Yusuf et al. 2001

Neopomacentrus azyron* (Bleeker, 1877)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_239

Notes: s: *Neopomacentrus azyros* Harborne et al. 2000

Neopomacentrus cyanomos* (Bleeker, 1856)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo;
occurrenceID: BDJ_12482_240

Notes: Harborne et al. 2000; This study; s: *Dischistodus perspiciliatus* Yusuf et al. 2001.

Neopomacentrus violascens* (Bleeker, 1848)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo;
occurrenceID: BDJ_12482_241

Notes: Yusuf et al. 2001.

Plectroglyphidodon lacrymatus* (Quoy & Gaimard, 1825)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo;
occurrenceID: BDJ_12482_242

Notes: Harborne et al. 2000; Yusuf et al. 2001

Pomacentrus alexanderae* Evermann & Seale, 1907*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo;
occurrenceID: BDJ_12482_243

Notes: Harborne et al. 2000; This study;. s: *Pomacentrus alexandrae* Yusuf et al. 2001.

Pomacentrus armillatus* Allen, 1993*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo;
occurrenceID: BDJ_12482_244

Notes: Newly recorded in Redang islands + This study.

Pomacentrus bankanensis* Bleeker, 1854*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_245

Notes: Yusuf et al. 2001.

Pomacentrus bintanensis* Allen, 1999*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_246

Notes: Yusuf et al. 2001.

Pomacentrus chrysurus* Cuvier, 1830*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_247

Notes: Harborne et al. 2000; Yusuf et al. 2001.

Pomacentrus coelestis* Jordan & Starks, 1901*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_248

Notes: Harborne et al. 2000; This study; s: *Pomacentrus coelestris* Yusuf et al. 2001.

Pomacentrus grammorhynchus* Fowler, 1918*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_249

Notes: Harborne et al. 2000; s: *Pomacentrus gymmnorhynchus* Yusuf et al. 2001.

Pomacentrus lepidogenys* Fowler & Bean, 1928*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_250

Notes: Harborne et al. 2000

Pomacentrus moluccensis* Bleeker, 1853*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_251

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Pomacentrus philippinus* Evermann & Seale, 1907*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_252

Notes: Harborne et al. 2000; Yusuf et al. 2001.

Pomacentrus simsiang* Bleeker, 1856*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_253

Notes: Newly recorded in Redang islands + This study.

Pomacentrus tripunctatus* Cuvier, 1830*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_254

Notes: This study.

Stegestes lividus* (Forster, 1801)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_255

Notes: s: *Stegestes lividus* Yusuf et al. 2001.

Priacanthus blochii* Bleeker, 1853*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_256

Notes: Harborne et al. 2000

Priacanthus hamrur* (Forsskål, 1775)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_257

Notes: Harborne et al. 2000

Pseudochromis fuscus* Müller & Troschel, 1849*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_258

Notes: s: *Pseudochromis fuscus* Yusuf et al. 2001.

Bolbometopon muricatum* (Valenciennes, 1840)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_259

Conservation status: VU

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Chlorurus bleekeri* (de Beaufort, 1940)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_260

Notes: s: *Scarus bleekeri* Yusuf et al. 2001; This study.

Chlorurus capistratoides* (Bleeker, 1847)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_261

Notes: Newly recorded in Redang islands + This study.

Chlorurus sordidus* (Forsskål, 1775)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_262

Notes: s: *Scarus sordidus* Yusuf et al. 2001; This study.

Scarus caudofasciatus* (Günther, 1862)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_263

Notes: * Newly recorded in Malaysia + This study.

Scarus ghobban* Forsskål, 1775*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_264

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Scarus niger* Forsskål, 1776*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_265

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Scarus prasiognathos* Valenciennes, 1840*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_266

Notes: s: *Scarus prasiognathus* Yusuf et al. 2001; This study.

Scarus psittacus* Forsskål, 1775*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_267

Notes: This study.

Scarus quoyi* Valenciennes, 1840*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_268

Notes: Yusuf et al. 2001; This study.

Scarus rivulatus* Valenciennes, 1840*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_269

Notes: Yusuf et al. 2001; This study.

Scarus rubroviolaceus* Bleeker, 1847*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_270

Notes: Yusuf et al. 2001; This study.

Scarus schlegeli* (Bleeker, 1861)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_271

Notes: Yusuf et al. 2001

Scarus tricolor* Bleeker, 1847*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_272

Notes: Harborne et al. 2000

Scaridae* sp.*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Harborne A, Fenner D, Barnes A, Beger M, Harding S, Roxburgh T; occurrenceID: BDJ_12482_273

Notes: Harborne et al. 2000

Pterois russellii* Bennett, 1831*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_274

Notes: This study.

Aethaloperca rogae* (Forsskål, 1775)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_275

Notes: Harborne et al. 2000

Cephalopholis boenack* (Bloch, 1790)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_276

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Cephalopholis cyanostigma* (Valenciennes, 1828)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_277

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Cephalopholis formosa* (Shaw, 1812)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_278

Notes: Harborne et al. 2000; This study. s: *Cephalopholis formosus* Yusuf et al. 2001.

Cephalopholis microprion* (Bleeker, 1852)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_279

Notes: Yusuf et al. 2001

Cephalopholis miniata* (Forsskål, 1775)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_280

Notes: Harborne et al. 2000

Diploprion bifasciatum* Cuvier, 1828*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_281

Notes: Yusuf et al. 2001

Epinephelus fasciatus* (Forsskål, 1775)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_282

Notes: Harborne et al. 2000; This study. s: *Epinephelus fasciatus* Yusuf et al. 2001.

Epinephelus fuscoguttatus* (Forsskål, 1775)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_283

Conservation status: NT

Notes: s: *Epinephelus fuscoguttatus* Yusuf et al. 2001

Epinephelus ongus* (Bloch, 1790)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_284

Notes: s: *Epinephelus ongus* Yusuf et al. 2001

Epinephelus polyphkadion* (Bleeker, 1849)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo;
occurrenceID: BDJ_12482_285

Conservation status: NT

Notes: Harborne et al. 2000

Epinephelus quoyanus* (Valenciennes, 1830)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo;
occurrenceID: BDJ_12482_286

Notes: s: *Epinephelus quoyanus* Yusuf et al. 2001.

Plectropomus areolatus* (Rüppell, 1830)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo;
occurrenceID: BDJ_12482_287

Conservation status: VU

Notes: s: *Plectropomus aerolatus* Harborne et al. 2000.

Plectropomus leopardus* (Lacepède, 1802)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo;
occurrenceID: BDJ_12482_288

Conservation status: NT

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Plectropomus maculatus* (Bloch, 1790)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo;
occurrenceID: BDJ_12482_289

Notes: Harborne et al. 2000; Yusuf et al. 2001.

Siganus argenteus* (Quoy & Gaimard, 1825)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_290

Notes: Harborne et al. 2000

Siganus canaliculatus* (Park, 1797)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_291

Notes: Yusuf et al. 2001

Siganus corallinus* (Valenciennes, 1835)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_292

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Siganus guttatus* (Bloch, 1787)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_293

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Siganus javus* (Linnaeus, 1766)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_294

Notes: This study.

***Siganus puellus* (Schlegel, 1852)**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_295

Notes: Harborne et al. 2000; Yusuf et al. 2001.

***Siganus punctatus* (Schneider & Forster, 1801)**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_296

Notes: This study.

***Siganus spinus* (Linnaeus, 1758)**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_297

Notes: Harborne et al. 2000

***Siganus vermiculatus* (Valenciennes, 1835)**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_298

Notes: Harborne et al. 2000; Yusuf et al. 2001.

***Siganus virgatus* (Valenciennes, 1835)**

Material

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_299

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Siganus vulpinus* (Schlegel & Müller, 1845)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_300

Notes: Harborne et al. 2000; This study. s: *Siganus vulpinis* Yusuf et al. 2001.

Sphyraena barracuda* (Edwards, 1771)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_301

Notes: Yusuf et al. 2001; This study.

Sphyraena flavicauda* Rüppell, 1838*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_302

Notes: Harborne et al. 2000; This study.

Sphyraena jello* Cuvier, 1829*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_303

Notes: Harborne et al. 2000

Sphyraena obtusata* Cuvier, 1829*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_304

Notes: Newly recorded in Redang islands + This study.

Sphyraena qenie* Klunzinger, 1870*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_305

Notes: s: *Sphyraena quenie* Harborne et al. 2000

Inimicus didactylus* (Pallas, 1769)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_306

Notes: This study.

Synodus variegatus* (Lacepède, 1803)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_307

Notes: Yusuf et al. 2001; This study.

Synodus* sp.*Material*****Holotype*:**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Harborne A, Fenner D, Barnes A, Begger M, Harding S, Roxburgh T; occurrenceID: BDJ_12482_308

Notes: Harborne et al. 2000

Arothron mappa* (Lesson, 1831)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_309

Notes: Newly recorded in Redang islands + This study.

Arothron nigropunctatus* (Bloch & Schneider, 1801)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_310

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Arothron stellatus* (Anonymous, 1798)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_311

Notes: Harborne et al. 2000; Yusuf et al. 2001; This study.

Terapon jarbua* (Forsskål, 1775)*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_312

Notes: Yusuf et al. 2001

Helcogramma striata* Hansen, 1986*Material**

- a. country: Malaysia; locality: Redang islands; identifiedBy: Loh KH and Du Jianguo; occurrenceID: BDJ_12482_313

Notes: This study.

Zanclus cornutus* (Linnaeus, 1758)*Material**

- a. occurrenceID: BDJ_12482_314

Notes: Harborne et al. 2000; s: *Zinclus cornutus* Yusuf et al. 2001.

Discussion

Similar to our results, the most diverse family recorded in previous studies was Pomacentridae with 35 species (Harborne et al. 2000) and 37 species (Yusuf et al. 2001), followed by Labridae with 31 species (Harborne et al. 2000) and 22 species (Yusuf et al. 2001). However, Acanthuridae was reported to have relatively low species richness with

only four species recorded by Harborne et al. (2000) and two by Yusuf et al. (2001). Surgeonfish were not observed in the Redang Islands by Comley et al. (2004) nor in the present study, even though the area had high coral coverage.

The CFDI value for the Redang Islands was 132 and, from this value, based on the proposed formula by Allen (1988) and Allen and Werner (2002), we estimated that there were 427 coral reef fish species in the Redang Islands Marine Park. However, only 314 species were observed, which is low compared with the estimated number of species. More surveys on different sites and in different seasons should be conducted in future research. A similar number of Chaetodontidae species were observed at the Redang Islands Marine Park as at the Perhentian, Tinggi Islands Marine Park and other marine parks in Peninsular Malaysia. However, fewer were observed compared with other areas in the Coral Triangle area, for example, the Tunku Abdul Rahman Park, Sabah (Townsend 2015).

According to the IUCN Red List, eight of the species recorded are Near Threatened (*Carcharhinus melanopterus*, *Chaetodon trifascialis*, *Choerodon schoenleinii*, *Epinephelus fuscoguttatus*, *E. polyphekadion*, *Plectropomus leopardus*, *Taeniura lymma* and *Triaenodon obesus*), eleven are Vulnerable (*Bolbometopon muricatum*, *Chaetodon trifasciatus*, *Chlorurus sordidus*, *Dascyllus trimaculatus*, *Epinephelus fuscoguttatus*, *E. polyphekadion*, *Halichoeres marginatus*, *Heniochus acuminatus*, *Nebrius ferrugineus*, *Neopomacentrus cyanomos* and *Plectropomus areolatus*), and three are Endangered (*Amphiprion clarkia*, *Cheilinus undulatus*, and *Scarus ghobban*). These species require further attention in terms of park management practices and conservation issues (e.g. habitat integrity, anthropogenic impact and possible poaching within the park area).

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