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A Checklist of the Fishes of Fiji and a Bibliography of Fijian Fish

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A Checklist of the Fishes of Fiji and a Bibliography of Fijian Fish

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I. INTRODUCTION

The first book that described the Fijian fish fauna was written by Henry W. Fowler in 1959 and it covered 560 species. Carlson (1975) wrote a checklist of 575 Fijian fish species (107 families) based on collections he made with Mike Gawel, while setting up the University of the South Pacific Marine Reference collection.

This present checklist began in 1983 following Wayne Baldwin's attachment to study the tuna baitfish at the then Institute of Marine Resources in Suva, with funding from the University of Hawaii's Sea Grant Program. It was left alone for about 10 years and re-started in 1996 by the senior author to include numerous new records from surveys carried out by the Marine Studies Programme, the Institute of Marine Resources staff, overseas museum collecting trips and from other publications listing fishes from Fiji.

Myers (1991) lists 915 inshore fish species for Samoa, about 1000 species for New Caledonia and approximately 2000 species for Papua New Guinea. To date, this Fiji list covers 2304 fish species (2031 confirmed including 275 doubtful records) from 200 families (192 confirmed including 8 doubtful families). There are records to genus level only; these being not identifiable or possible new species so were put as unconfirmed unless its genus was unique. More new records are expected to be found in future surveys including new species. We are unable to authenticate all records of all the various authors but express our reservations that the fish may be wrongly identified or is not from this geographical area.

We also feel that our list of Fiji fishes is an optimistic count because of the inclusion of possibly wrongly identified fishes, fishes of uncertain status, and fish identified to genus level only. To balance this optimism, we know we have not listed all the Fiji fish. When we compare our fish list against detailed studies of a fish family (e.g. Pomacentridae by Allen 1991), our list is fairly complete. Allen (1991) lists 60 pomacentrids from Fiji (new species have been added since 1991) and we list 115 species of which 22 are doubtful. The various changes in fish names from the numerous reviews can make old records unreliable.

Previous scientific expeditions have collected fish in Fiji and they included the Challenger Expedition (Günther, 1889), which conducted a deep sea survey in Fiji; the Fiji-New Zealand Expedition (Nutting, 1924); the Templeton-Crocker Expedition to western Polynesia and Melanesia (Seale, 1935); the fish collected by the yacht "Alva" (Borodin, 1932); the Wilkes Expedition (Fowler, 1940a); the Crane Expedition (Herre, 1935); and the scientific expedition to the tropical Pacific on the steamer "Albatross" (Kendall and Goldsborough, 1911). Schmeltz (1867-1884) listed numerous new records of fish from Fiji in the Godeffroy Museum Catalogues. Günther (1857-1910) also listed many Fijian fishes. Other fish collections were reported by Boulenger (1897) on a collection of fish in Rotuma by J. Stanley Gardener; Jordan and Dickerson (1908) on a collection of fish from Fiji; Whitley (1927) reported on a checklist of the fishes of Fiji; Fowler (1932) listed fish obtained at Fiji; and Fowler (1955a) wrote about fish collected by Dr. and Mrs. Laird from Fiji. Fowler (1928) wrote about the fishes of Oceania with three additional supplements in 1931, 1934, and 1949. This major 1928 publication listed all Fijian fish records up until then.

Present day fish collections have included those of R. Winterbottom and A. Emery (1983) from the Royal Ontario Museum, Canada and V.G. Springer's team (1982) from the Smithsonian Institute, Washington. Their collection data are included here. Zug *et al.*, (1989) listed the vertebrates of Rotuma (including fish) after a visit in 1988; and Blaber *et al.*, (1993b) listed 355 species of fishes from their baitfish research in Fiji from 1991 to 1993. David Greenfield and his team from the University of Hawaii collected fish in Fiji in

May, 1999. IRD collected deepsea fauna from Fiji 5 years ago.

Fish identification has also been made from fish bones and archaeological evidence (Gifford, 1951; Best, 1984). Ladd (1945) also listed some fossil fish from Fiji.

Fiji lies approximately between 15°S and 22°S and from 175°E to 177°W. Geographically, Rotuma is included in Fiji, although Rotumans are Polynesians, whereas Fijians are predominantly Melanesians, except for the Lau Group to the south-east. This is an anomaly as Zug *et al.*, 1988 pointed out; Rotuma and Samoan fish have a similar affinity. There are species that are endemic to Rotuma and Fiji.

Minerva Reef to the South of Fiji is presently claimed by Tonga and Fiji. Ceva-i-ra to the South-west, marks the other south-western outpost. Cikobia marks the north-east boundary. Ono-i-lau and Vatoa mark the south-east end of Fiji. Collections in the Minerva Reef and Ceva-i-ra may show new affinities and possibly new species because of their isolation and cooler climate. Fishers are now longlining outside our EEZ e.g. the deep water bluenose warehou (Centrolophidae: *Hyperoglyphe antarctica*) from between Fiji and NZ.

Many of these fish records were obtained from literature search by the authors. The University of Hawaii Sea Grant Program Advisory service staff member Peter Rappa and his assistants found Fiji fish publications in the beginning of this study and the PIMRIS staff of USP also contributed to the literature search.

The Fiji Times and its column Hook Line and Sinker by Rob Wright contributed to this checklist. Tony Lewis identified many new records during his term as Principal Fisheries Officer, Fiji Government and he also worked on numerous resource surveys of Lau, Rabi and Rotuma. He took photos of various Fijian fishes and pasted them on a wall in Fisheries Division, which included new records. Paddy Ryan (1980) worked on the freshwater and brackish fishes of Fiji.

The deep sea surveys of Raj and Seeto (1983) during their EEC project uncovered a few new species and many new records of deep sea fish and invertebrates. Mead's (1980) SPC deep sea fish survey also contributed to this list.

Other people have shared their fish records including Annet Ballou (Fulbright student) who looked at the Fijian parrotfish. Dr Suda of the vessel *Koyo Maru* in 1997 found a *Euprotomicrus bispinatus* shark near Solo Reef. The Sea Fire, a NZ trawler doing an exploratory fishing in Fiji in December 1997 found some new records of fish. ORSTOM staff from Noumea trawled the deep water of the Bligh Waters in August, 1998-1999 and found some deep sea fish. Dave Greenfield and colleagues from the University of Hawaii collected cryptic fish in Fiji with Jack Randall from early 1999 until 2003. The team collected in deepwater and they discovered many new species. David Boseto, a Solomon Islander, worked on the freshwater fishes of Fiji for his MSc thesis at USP under the guidance of Aaron Jenkins of Wetlands International and Patricia Kailola. They found seven possible new species of freshwater fishes and 15 new records for Fiji (Jenkins, 2003). Aaron Jenkins continues to survey Fiji rivers and freshwater systems in order to document our freshwater fish biodiversity. A UVC (Underwater Visual Census) project in 1995 carried out by the Fiji Fisheries Division, contributed information to this list. Randy Thaman has been obtaining deepsea fish specimens from the Fiji Fish Deep sea fishing trips since 2006. He obtained several new records and has donated up to 30 specimens to the Marine Collection at USP. He is documenting these fish with photos and biological/collection data.

Rick Winterbottom sent the senior author 591 Fiji fish names from the Royal Ontario Museum holdings in 1995. A list of 815 Fiji fish names were sent by Jeff Williams from the Smithsonian Museum holdings and Mark McGrouther did the same (495 names) from the Australian Museum in 1997. John Randall and Arnold Suzimoto sent the 395 Fiji fish names from the Bishop Museum holdings in 1998. The Bishop Museum list was unconfirmed and not intended for publication. It listed 12 new records which are not included in this publication. The British Museum had not put their fish list on the database so possible new records may be obtained once this takes place. Nick Dulvy from the United Kingdom gave me a list of the fishes he saw in southern Lau in 1999. John Pogonowski from the Australian Museum did a survey of freshwater fishes from Fiji in 2004 (data is included with Jenkins, 2003). David Boseto, USP student completed his Masters thesis in 2006 on the freshwater fish of selected Fiji streams and rivers.

There are about 41 endemic fish species from Fiji (approximately 2 % of the Fiji fish fauna) made up of 8 freshwater and 33 marine species. A webisted based on the World Fish Centre FishBase 2009 and Catalog of Fish 2009, listed 28 marine endemic fish from Fiji (<http://intreasures.com/fijimf.html>)

Fish species included in publications with a Western Pacific distribution, are not included here but fish with a circumtropical distribution are (with a rider to check) if the fish seemed out of place.

II. METHOD AND MATERIALS

Only the first literature record of each fish was noted but all publications mentioning Fiji fish records have been included in the bibliography. One of the authors, Wayne Baldwin, began this checklist with the first record system and the publication had to be continued that way. While a single bibliographic record had shortened the report considerably, it would have been more desirable to include all references. Sighting by various divers are also noted. The index lists all the fish families and the number of confirmed species from Fiji. Unconfirmed records and erroneous records are also listed and are marked with an asterik in the text. Some fish fossils are also included this study.

Literature culls, newspaper reports, the USP Marine Reference collection and local fish markets, visiting ichthyologists, local fishers and researchers, and personal sampling has contributed to this Fijian fish list. World Fish Centre (ICLARM) Fishbase was also consulted in this study. This checklist may be incorporated into the World Fish Centre (ICLARM) Fishbase after it has been published. All fish names were checked against the Catalog of Fishes (Eschmeyer, 1998), or its continually updated website.

The senior author welcomes contributins from others in the quest to update and document the fish biodiversity of the Fiji Islands.

III. FISH LIST (listing follows Nelson, 1976)

AMPHIOXIUS

Branchiostomidae

Amphioxides pelagicus (Günther, 1888)

Schmeltz, 1869 (p. 29) (as *?Amphioxides lanceolatus* non Pallas)

?Amphioxus sp.

Caught by Remi Odense (University of Victoria, Canada) at Astrolabe Lagoon in 1993. Presently undescribed.

SHARKS

Alopiidae (Thesher sharks)

Alopias supercilliosus (Lowe, 1841)

Johnson, 1978, p. 92; Raj and Seeto, 1984 (no page number) (as *A. vulpinus*); Nair, 2003, p. 62

Alopias pelagicus Nakamura, 1935

Last and Stevens, 1994, p. 155; Fishbase (2003); Nair, 2003, p. 62

Alopias vulpinus (Bonnaterre, 1788)

Johnson, 1978, p. 92; Last and Stevens, 1994, p. 158; Nair, 2003, p. 62

Carcharhinidae (Requiem sharks)

Carcharhinus albimarginatus (Rüppell, 1837)

Mead, 1980, pp. 9, 15; Earle, 2004, p.1

Carcharhinus altimus (Springer, 1950)

Lewis (n.d.). Fisheries photo.

Carcharhinus amblyrhynchos (Bleeker, 1856)

Mead, 1980, pp. 9, 15; Earle, 2004, p.1

Carcharhinus cautus (Whitley, 1945)

Blaber *et al.*, 1993b, p. 105

Carcharhinus falciformis (Bibron in Müller and Henle, 1839)

Emery and Winterbottom, 1983, p. 33 (as *C. menisorrah* Müller and Henle, 1839)

**Carcharhinus galapagensis* (Snoggrass and Heller, 1905)

Lewis (n.d.). Fisheries photos. This species has not been reported from Fiji.

**Carcharhinus gangeticus* Müller & Henle, 1839

Günther, 1870, p. 367 (as *Carcharias gangeticus*). It has not been confirmed.

Carcharhinus leucas (Valenciennes in Müller and Henle, 1839)

Günther, 1859 - 1870, 8, p. 367 (as *C. gangetica* non Müller and Henle.); Earle, 2004, p.1; Randall, 2005, p. 12

Carcharhinus limbatus (Valenciennes Müller and Henle, 1839)

Blaber *et al.*, 1993b, p. 105

Carcharhinus longimanus (Poey, 1861)

Jordan and Dickerson 1908 p. 603 (between Mary Island and Fiji) (as *Eulamia insularum*). Mary Island is in the Solomon Islands. Last and Stevens, 1994 p. 248; J Seeto (personally observed one being caught at FAD, off Suva 1988); Carpenter and Niem, 1998, Vol. 2, p. 1341

Carcharhinus melanopterus (Quoy and Gaimard, 1824)

Schmeltz, 1869 (p. 28) (as *Eulamia melanopterus*); Carpenter and Niem, 1998, Vol. 2, p. 1343; Earle, 2004, p.1

Carcharhinus obscurus (LeSueur, 1818)

Johnson, 1978, p. 92; Fishbase (2002), p. 1

Carcharhinus plumbeus (Nardo, 1827)

Chapman, Taumaia and Preston, 1984, p.15 (*Carcharhinus* sp. possibly *plumbeus*); Burgess *et al.*, 1988, p.39. Circumtropical. Lewis (n.d.) Fisheries photo; Fishbase (2002), p.1

Carcharhinus sorrah (Valenciennes Müller and Henle, 1839)

Fowler, 1959, p.15 (as *C. Spallanzani*)

Galeocerdo cuvier (Peron and LeSueur, 1822)

Fowler, 1928, 19 (as *Galeocerdo articus* Faber, 1829); Carpenter and Niem, 1998, vol. 2, p.1349

Hemipristis serra Agassiz, 1835

Ladd and Hoffmeister, 1945, p.384 (fossil)

Negaprion acutidens (Rüppell, 1837)

Richards *et al.*, 1994, p.57, referring to Lewis 1985a; Earle, 2004, p.1.

Prionace glauca (Linnaeus, 1758)

Johnson, 1978, p. 92 (?); Compagno, 1984, p. 522; Carpenter and Niem, 1998, Vol. 2, p. 1353; Nair, 2003. p. 61

Echinorhinidae (Bramble sharks)

**Echinorhinus brucus* (Bonnaterre, 1788)

Johnson, 1978, p. 92; Nair, 2003, p. 62 (?). Doubtful species from Fiji.

Echinorhinus cookei (Pietschmann, 1928)

Caught from 350 m east side of Tonga passage (Vanuabalavu). Photo with George Lee of PWD. Caught by FFF or IKA Corp boat; Nair, 2003, p.62.

Ginglymostomatidae (Nurse sharks)

Nebrius ferrugineus (Lesson, 1831)

Carlson, 1975, p.1; Nair, 2003 p.62 (as *Nebrius concolor*); Earle, 2004, p.1

Hemigaleidae (Weasel sharks)

Triaenodon obesus (Rüppell, 1837)

Johnson, 1978, p.92; Mead, 1980, pp.9, 15; Carpenter and Niem, 1998, vol. 2, p.1358; Earle, 2004, p.1. Sometimes included under the requiem sharks (Carcharhinidae)

Hexanchidae (Six and Seven-Gilled sharks)

Heptranchias perlo (Bonnaterre, 1788)

Johnson, 1978, p.92; Anon., 1982a, p.71 (as *Heptranchus* sp.); JICA, 187, p.111 (Volume 2). Fiji or Tuvalu; Fishbase 2009, p.10

Hexanchus griseus (Bonnaterre, 1788)

Johnson, 1978, p.92; Mead, 1980, pp.9, 15; Nair, 2003, p.51

Hexanchus vitulus Springer and Waller, 1969

Raj and Seeto, 1984; Nair, 2003, p.62.

Lamnidae (Mackerel or Mako sharks)

Carcharodon carcharias Linnaeus, 1758

Johnson, 1993, p.92; Thompson, 1994, p.123 (picture 121); JICA,

1987, p.111 (Volume 2). Fiji or Tuvalu; Fishbase 2009, p.4

Isurus hastalis (Agassiz, 1835)

Ladd and Hoffmeister, 1945, p. 384 (fossil); Nair, 2003., p.62

Isurus oxyrinchus Rafinesque, 1810

Gifford, 1951, p. 206; Carpenter and Niem, 1998, Vol. 2, p. 1277

Isurus paucus Guitart-Manday, 1966

Brown, 1993, p. 92 Wide distribution; Nair, 2003, p. 62.

Odontaspidae (Grey Nurse sharks)

Eugomphodus ferox (Risso, 1810)

Burgess *et al.*, 1988, p.37. (as *Odontaspis ferox*) Circumtropical.

Eugomphodus taurus (Rafinesque, 1810)

Burgess *et al.*, 1988, p.37. (as *Odontaspis taurus*) Circumtropical.

***Orectolobidae (Wobbegongs)**

**Hemiscyllium ocellatum* (Bonnaterre, 1788)

Turbett, 1940, p. 36. A questionable record for Fiji. The reported range is North Australia and New Guinea. Sometimes included under the family Hemiscyllidae.

Pseudocarchariidae (Crocodile sharks)

Pseudocarcharias kamoharai (Matsubara, 1936)

Last and Stevens, 1994 p. 151 (with a ?); Nair, 2003, p. 62

Rhinodontidae (Whale sharks)

Rhincodon typus Smith, 1828

Hornell, 1940, p. 28 (as *R. typicus*); Carpenter and Niem, 1998, Vol. 2, p. 1263

Scyliorhinidae (Catsharks)

Cephaloscyllium sp.

Raj, 1981 p. 10 (as *C. ventriosum* non Garman). Clinton Duffy of the Department of Conservation, NZ, Carl Struthers of Te Papa Museum, and Johnson Seeto strongly think this is a new species from Fiji.

**Cephaloscyllium isabella* Whitley, 1932

Nair, 2003, p. 62 (this is a NZ species).

**Cephaloscyllium umbratile* Jordan and Fowler, 1903

JICA, 1987, p. 111 (Volume 2). Fiji or Tuvalu.

**Galeus eastmani* (Jordan and Synder, 1904)

Chapman, Taumaia and Preston, 1984, p. 15. Reported only from the Western North Pacific by Compagno, 1984.

**Parmaturus pilosus* Garman, 1906

JICA, 1987, p. 111 (Volume 2). Fiji or Tuvalu.

Sphyrnidae (Hammer sharks)

Sphyrna lewini (Griffith and Smith, 1834)

Carlson, 1975, p. 1

**Sphyrna mokarran* (Rüppell, 1837)

Raj *et al.*, 1982b, p. 20. One 2.7kg specimen was collected in Saweni Bay, Fiji. May be confused with *S. lewini* since the juveniles of these species closely resemble each other. Johnson, 1978, p. 92; Nair, 2003, p. 62. This species is probably not found from Fiji.

Sphyrna zygaena (Linnaeus, 1758)

Günther, 1859 - 1870, 8, p. 381 (as *Zygaena malleus* Val., 1822); Nair, 2003, p. 62

Squalidae (Spiny dogfish).

Members are sometimes spilt into the families Centrophoridae and Dalatiidae.

Centroscyllium granulatum (Bloch and Schneider in Günther, 1881)

Johnson, 1978, p. 92; Nair, 2003, p. 62. JICA, 1987, p. 111 (Volume 1). Fiji or Tuvalu. (as *Centrophorus atromarginatus* Garman, 1913)

**Centroscyllium* sp.

Richards *et al.*, 1994, p. 57; Nair, 2003, p. 62.

Centrophorus moluccensis Bleeker, 1860

Raj and Seeto, 1984, (as *C. scalpratus* non McCulloch, 1915); Nair, 2003, p. 62.

Cirrhigaleus barbifer Tanaka, 1912

JICA, 1987, p. 111 (Volume 2). Fiji or Tuvalu; Fishbase (2002), p. 1; Nair, 2003, p. 64.

Dalatias licha (Bonnaterre, 1788)

Randy Thaman picture. Shark from Fiji Fish. Dated 11/11/2008.

Etmopterus brachyurus Smith and Radcliffe, 1912

Raj, 1981, p. 10 (as *Etmopterus lucifer* non Jordan and Synder, 1902); Nair, 2003, p. 62.

Etmopterus lucifer Jordan and Synder, 1902

JICA, 1987, p. 111 (Volume 2). Fiji or Tuvalu; Fishbase (2002), p. 1.

**Etmopterus pusillus* (Lowe, 1839)

JICA, 1987, p. 111 (Volume 2). Fiji or Tuvalu.

Euprotomicrus bispinatus (Quoy and Gaimard, 1824)

Johnson, 1978, p. 92; Last and Stevens, 1994, p. 86; Suda *et al.*, 1997, USP4582; Nair, 2003, p. 62.

Isistius brasiliensis (Quoy and Gaimard, 1824)

Jordan and Seale, 1906, p. 183; Carpenter and Niem, 1998, Vol. 2, p. 1228.

**Squalus blainville* Risso, 1827

JICA, 1987, p. 111 (Volume 2). Fiji or Tuvalu. Possibly wrong identification. Fishbase (2002), p. 1.

Squalus japonicus Ishikawa, 1908

Raj and Seeto, 1984 (as *S. blainville*, non Risso, 1827); Nair, 2003, p. 62.

Squalus megalops Macleay, 1881

Raj and Seeto, 1984; Chapman, Taumaia and Preston, 1984, p. 15; Nair, 2003, p. 62.

Squalus mitsukurii Jordan and Synder, 1903

Burgess *et al.*, 1988, p.41. All Oceans; JICA, 1987, p. 111 (Volume 2). Fiji or Tuvalu; Fishbase (2002), p. 1.

Squalus rancureli (Fourmanoir and Rivaton, 1979)

Caught Kadavu Seamount-Kyo Maru trip (October 28 - Nov 1, 2006). Tim Pickering reference.

Stegostomatidae (Zebra sharks)

Stegostoma fasciatum (Hermann, 1783)

Carlson, 1975, p. 1; Anon., ND, p. 16.

Triakidae (Hound sharks)

Hemitriakis japonica (Müller and Henle, 1839)

Raj and Seeto, 1984; Nair, 2003, p. 62.

Mustelus manazo Bleeker, 1854

Raj and Seeto, 1984.

RAYS

Dasyatidae (Stingrays)

Dasyatis akajei (Müller and Henle, 1841)

JICA, 1987, p. 111 (Volume 2). Fiji or Tuvalu. Possibly an incorrect identification. Fishbase (2002), p. 1.

**Dasyatis fluviorum* Ogilby, 1908

Lewis (n.d.) Fisheries photo. Doubtful.

Dasyatis kuhli (Müller and Henle, 1841)

Carlson, 1975, p. 2; Nimmerfroh, 2006, p. 43. Often known as *Amphotistius kuhli*.

**Dasyatis pastinaca* (Linnaeus, 1758)

Thurston, 1881, p. 22. An Atlantic, Mediterranean, and Indian Ocean species erroneously listed for Fiji.

Dasyatis violacea (Bonaparte, 1832)

Last and Stevens, 1994, p. 397; Carpenter, K. E. and Niem, V. H. 1999a, p. 1505 (as *Pteroplatytryon violacea*)

Pastinachus sephens (Forsskål, 1775)

Rawlinson *et al.*, (n.d. ca 1995), p. 52. Last and Stevenson, 1994 say this species is not found in Fiji.

Taeniura lymma (Forsskål, 1775)

Schmeltz, 1869, p. 29 (as *Trygon halganii* Lesson, 1831); Nimmerfroh, 2006, p. 43.

Taeniura meyeri Muller and Henle, 1841

Nair, 2003, p. 62; Nimmerfroh, 2006, p. 243.

Urogymnus asperrimus (Bloch & Schneider, 1801)

Last and Stevens, 1994, p. 414; Allen *et al.*, 2003, p. 457; Randall, 2005, p. 20; Carpenter, K. E. and Niem, V. H. 1999a, p. 1497

Urogymnus africanus? (Bloch and Schneider, 1801)

J. Seeto, *pers. comm.* (photograph).

Mobulidae (Manta or Devil rays)

Manta alfredi Krefft, 1868

Inia, E. K *et al.*, 1998, p. 53.

Manta birostris (Donndorff, 1798) Walbaum, 1792

Anon., 1983b, p. 17; Carpenter, K. E. and Niem, V. H. 1999a, p. 1527.

Mobula japonica Müller & Henle 1841

Fishbase (2002), p. 1.

Mobula tarapacana (Philippi, 1893)

Reported by fishers at Nabukalou Creek, 2007, Suva.

Myliobatidae (Eagle rays)

Aetobatus narinari (Euphrasen, 1790)

Gifford, 1951, p. 207; Carpenter, K. E. and Niem, V. H. 1999a, p. 1516; Nimmerfroh, 2006, p. 243.

Pristidae

Pristis zijsron Bleeker, 1851 (sawfish)

McGrouter, 1997, p. 8. Carpenter, K. E. and Niem, V. H. 1999a, p. 1417 say this is found from Asia to PNG, and Northern Australia.

Pristis sp.

<http://collections.museumvictoria.com.au/object.php?irn=101322&QueryPage=>

Rhionobatidae (Guitarfishes)

Rhinobatus batillum Whitley, 1939

Blaber *et al.*, 1993b, p. 109.

Rhynchobatus djiddensis (Forsskål, 1775)

Carlson, 1975, p. 3; Allen *et al.*, 2003, p. 455

Urolophidae (Stingarees)

Plesiobatis daviesi (Wallace, 1967)

JICA, 1987, p. 111 (Volume 2) (as *Urotryon daviesi*). Fiji or Tuvalu. Fishbase (2002), p. 1; Nair, 2003, p. 64. Sometimes included in Plesiobatidae.

GHOST SHARKS

Chimaeridae (Ghost shark)

Chimaera phantasma Jordan and Snyder, 1900

Raj and Seeto, 1984; www.mbari.org/.../fijilau/images/A_rat_fish.jpg; Nair, 2003, p. 63 (as *Chimaera* sp)

BONY FISHES

Albulidae (Bonefish)

Albula forsteri Valenciennes in Cuvier and Valenciennes, 1847
Fishbase 2009, p. 1

Albula glossodonta (Forsskål, 1775)

Boseto, 2005, p. 198

Albula vulpines Linnaeus, 1758

Fowler, 1959, p. 570 *Albula neoguinaica* Val. 1847, *Albula glossodonta* (Forsskål, 1775) and *Albula argentea* (Forster in Bloch and Schneider, 1801) are synonyms of *Albula vulpines*.

Ammodytidae

Ammodytes sp.

Zug *et al.*, 1988, p. 5

Elopidae (Ten Pounders)

Elops hawaiiensis (Forsskål, 1775)

Whitley, 1927a. p.3; Carpenter, K.E. and Niem, V.H. 1999a, p. 1620

**Elops saurus* Linnaeus, 1766

Lewis (n.d.) Fisheries photo. (not found in Fiji says Randall, 2005)

Chirocentridae (Wolf herring)

Chirocentrus dorab (Forsskål, 1775)

Fowler, 1928, p. 28; Boseto, 2005, p. 198

Clupeidae (Sardines) including Dussumieridae

Amblygaster clupeoides (Bleeker, 1849)

Anon., 1980, p. 41

**Amblygaster leiogaster* (Valenciennes, 1847)

Kearney, 1982, p. 6. This is a doubtful record because Whitehead, 1985 shows this species to be distributed from Africa to NW Australia and Southern Japan.

Amblygaster sirm (Walbaum, 1792)

Lee, 1973, pp. 28, 29; Randall, 2005, p. 55

**Dussumiera acuta* Valenciennes, 1847

Lee, 1973, p. 28. Not found in Fiji according to Whitehead, 1985. The species likely to be found in Fiji is *Dussumiera elopsoides* Bleeker, 1849.

Dussumiera elopsoides Bleeker, 1849

Whitehead, 1985 says this species is likely to be found in Fiji and not *Dussumiera acuta* as often reported.

**Dussumiera* species 'A'

Lewis *et al.*, 1983c. p. 23

**Dussumiera* species "B"

Lewis *et al.*, 1983c. p. 23

Dussumiera sp (new)

Randall, 2005, p. 56

**Dayella* sp

Williams, 1997, p. 6

**Etrumeus teres* (De Kay, 1842)

Burgess *et al.*, 1988, p.66. Circumtropical. Needs confirmation. Found in New York.

Herklotsichthys quadrimaculatus (Rüppell, 1837)

Kendall and Goldsborough, 1911 p. 243 (as *Herangula kunzei* Bleeker, 1856). Richards *et al.*, 1994, p. 3 (as *Clupea venenosa* Valenciennes, 1847) (referring to 'daniva' which is *Herklotsichthys quadrimaculatus*) and citing Banner and Helfrich (1964); Randall, 2005, p. 55.

Herklotsichthys sp.

Blaber *et al.*, 1993b, p. 106 (different from immediately above).

**Hilsa kelee* (Cuvier, 1829)

Fischer and Whitehead, 1974, Vol. I. Doubtful record for Fiji.

**Pellona* sp.

Hornell, 1950, p. 142. An unsubstantiated record for Fiji.

Potamalosa richmondi (Macleay, 1879)

Fowler, 1949, p. 640 (introduced). According to Andrews (1985, p. 76) this introduction apparently failed to survive.

**Sardina pilchardus* (Walbaum, 1792)

Thurston, 1881, p. 21. (as *Clupea sardina* Risso, 1827). This is an old name for the European pilchard. *Sardina pilchardus*, according to P.J.P. Whitehead (*pers. comm.*) - an erroneous listing for Fiji that probably refers to *Sardinella* sp.

Sardinella fijiense (Fowler and Bean, 1923)

Fowler and Bean, 1923, p. 2. (as *Harengula fijiense*) (type locality); Randall, 2005, p. 55.

**Sardinella fimbriata* (Valenciennes, 1847)

Whitley, 1927, p. 4. May be a doubtful species. Whitehead, 1985 show this species is found from India to PNG.

**Sardinella jussieu* (Valenciennes, 1847)

Günther, 1880, p. 36 (as *Clupea tembang* Bleeker, 1851). A doubtful record as this species is only found off Mauritius, India, Sri Lanka and Madagascar (Whitehead, 1985).

Sardinella melanura (Cuvier, 1829)

Kendall and Goldsborough, 1911, p. 244 (as *Harengula commersonii* Val., 1847); Randall, 2005, p. 56

Spratelloides delicatulus (Bennett, 1832)

Herre, 1936, p. 32 (as *Stolephorus delicatulus*)

Spratelloides gracilis (Temminck and Schlegel, 1846)

Schmeltz, 1874, p. 59 (as *Stolephorus japonicus* Regan, 1917). Pöhl,

1884, p. 39.

Engraulidae (Anchovies)

**Amentum* sp

McGrouter, 1997, p. 1

Encrasicholina devisi (Whitley, 1940)

Carlson, 1975, p. 3 (as *Stolephorus devisi*); Randall, 2005, p. 58

Encrasicholina heteroloba (Rüppell, 1837)

Herre, 1936, p. 34 (as *Engraulis heterolobus*)

Encrasicholina punctifer (Fowler, 1938)

Herre, 1936, p. 35 (as *Engraulis zollingeri*). Fischer and Whitehead, 1974, Vol II. (as *Stolephorus buccaneeri* Strasburg, 1960)

Stolephorus apiensis (Jordan and Seale, 1906)

Herre, 1936, p. 34 (as *Engraulis apiensis*); Randall, 2005, p. 58

Stolephorus indicus (Van Hasselt, 1823)

Lee, 1973, pp. 28, 29; Boseto, 2005, p. 198

Stolephorus oligobranchus Wongratana, 1983

Lewis *et al.*, 1983c, p. 14

Stolephorus waitei Jordan and Seale, 1926

Kearney, 1978, p. 7 (as *S. bataviensis* Hardenberg, 1933)

Thryssa baelama (Forsskål, 1775)

Seale, 1935, p. 340, (as *Anchovia evermanni* Jordan and Seale, 1906); Randall, 2005, p. 59

**Thryssa setirostris* (Broussonet, 1782)

Fischer and Whitehead, 1974, Vol. II. A doubtful record for Fiji.

Chanidae (Milkfish)

Chanos chanos (Forsskål, 1775)

Schmeltz, 1869, p. 25 (as *Chanos orientalis*)

Salmonidae (Salmon and Trout)

Salmo gairdneri Richardson, 1836

Anon., 1924, p. 1. There is some confusion as to whether Rainbow trout or Brown trout was introduced to Fiji. Andrews (1985) says it is the brown trout *Salmo trutta* but older reports say it was the rainbow trout *S. gairdneri*. Lewis and Pring (1986) agreed with Andrews (1985); a record that is included in Fishbase 2009, p. 16. We may never know because it never became established here.

Gonostomatidae (Lightfish)

Cyclothone alba Brauer, 1906

Mukhacheva, 1966, p. 101

Cyclothone pallida Brauer, 1902

Mukhacheva, 1966, p. 113

Gonostoma elongatum Günther, 1878
Burgess *et al.*, 1988, p.70. Circumtropical.

Astronesthidae (Snaggletooths)

**Astronestides* sp.

JICA, 1987, p. 111 (Volume 1). Fiji or Tuvalu.

Plotosidae (Marine catfish)

Plotosus lineatus (Thunberg, 1787)

Günther, 1859 - 1870, 5, p. 24 (as *P. anguillaris* Bloch, 1794);
Nimmerfroh, 2006, p. 26

Plotosus canius Buchanan-Hamilton, 1882

Schmeltz, 1879, p. 56

Belonidae (Long Toms)

Ablennes hians (Valenciennes, 1846)

Seale, 1935, p. 345 (as *Athlennes hians*)

Platybelone argalus platyura (Bennett, 1832)

Whitley, 1927a, p. 4. (as *Platybelone argulus platyura*)

Strongylura auloceps Fowler and Bean, 1923

Fowler and Bean, 1923, p. 12

Strongylura fijiensis Fowler and Bean, 1923

Fowler and Bean, 1923, p. 13

Strongylura incisa (Valenciennes, 1846)

Fowler, 1929, p. 4

Strongylura leiura (Bleeker, 1850)

Randall, Allen and Steene, 1990, p. 58; Myers, 1991, p. 72 (as
Strongylura leiura leiura)

Tylosurus acus (Lacépède, 1803)

Blaber *et al.*, 1993a, p. 53; Blaber *et al.*, 1993b, p. 105

Tylosurus indicus (Peron and Lesueur, 1821)

Günther, 1880, p. 36 (as *Belone annulata* Val., 1846)

Tylosurus crocodilus crocodilus (Peron and Lesueur, 1821)

Thurston, 1881, p. 21 (as *Esox belone*)

Exocoetidae (Flying fish)

Cheilopogon atrisignis (Jenkins, 1904)

Carpenter, K. E. and Niem, V. H. 1999b, p. 2169

Cheilopogon dorsomacula (Fowler, 1944)

Carpenter, K. E. and Niem, V. H. 1999b, p. 2170

Cheilopogon rapanouiensis Parin 1961

Fishbase, 2002, p. 2

Cheilopogon spilonopterus (Bleeker, 1866)

Whitley, 1927a, p. 4 (as *Cypselurus spilonopterus*). Fowler, 1931
calls this species *Cypselurus bahiensis* Ranzani, 1842.

Cheilopogon spilopterus (Valenciennes, 1846)

Carpenter, K. E. and Niem, V. H. 1999b, p. 2172

Cheilopogon suttoni (Whitley and Colefax, 1938)

Carpenter, K. E. and Niem, V. H. 1999b, p. 2173

Cheilopogon unicolor (Valenciennes, 1846)

Carpenter, K. E. and Niem, V. H. 1999b, p. 2173

Cypselurus angusticeps Nichols and Breder, 1935

Carpenter, K. E. and Niem, V. H. 1999b, p. 2173

Cypselurus bilobatus Weber and de Beaufort, 1922

Seale, 1935, p. 347

Cypselurus furcatus (Mitchill, 1815)

Fowler, 1949, p. 58 An Atlantic species erroneously listed from Fiji.
However, Carpenter, K. E. and Niem, V. H. 1999b, p. 2170 list it.

Cypselurus naresii (Günther, 1889)

Günther, 1889, p. 36

Cypselurus poecilopterus Cuvier and Valenciennes, 1847

N.V. Parin 1985 *pers. comm.*; Carpenter, K. E. and Niem, V. H.
1999b, p. 2175

**Cypselurus simus* (Cuvier and Valenciennes, 1847)

Jordan and Synder, 1908, p. 604 (as *C. ogilbyi* Jordan and Synder,
1908). This was included in Fiji by Whitley, 1927a, p. 4 but the
collection locality given by the former authors was 'west of
Wapole Island'; which is located approximately 1,000 kilometers
south-west of Fiji.

Cypselurus zaca Seale, 1935

Seale, 1935, p. 349

Danaichthys rondeletii (Valenciennes, 1847)

Herre, 1936, p. 55 (as *Cypselurus rondeletti*)

Exocoetus monocirrhus (Richardson, 1846)

Carpenter, K. E. and Niem, V. H. 1999b, p. 2176

Exocoetus obtusirostris Günther, 1866

N.V. Parin, 1985, *pers. comm.*; Carpenter, K. E. and Niem, V. H.
1999b, p. 2176

Exocoetus volitans Linnaeus, 1758

Thurston, 1881, p. 21; Carpenter, K. E. and Niem, V. H. 1999b, p.
2176

Hirundichthys oxycephalus (Bleeker, 1852)

Fowler, 1934, p. 393 (as *Cypselurus oxycephalus*)

Hirundichthys speculiger (Cuvier and Valenciennes, 1847)

Fowler, 1949, p. 59

Oxyporhamphus argenteus (Bennett, 1840)

Fowler, 1949, p. 57

Oxyporhamphus micropterus micropterus (Valenciennes, 1847)

Seale, 1935, p. 347 (as *Evolantia microptera*)

Parexocoetus brachypterus (Richardson, 1846)

Seale, 1935, p. 347

Parexocoetus mento mento (Cuvier and Valenciennes, 1847)

Fishbase. 10-June-1996; Nair, 2003, p. 61 (as *P. mento*).

Prognichthys brevipinnis (Valenciennes, 1847)

Fishbase. 10-June-1996.

Prognichthys sealei Abe, 1955

Parin, 1968, p. 86

Balistidae (Trigger fish)

Abalistes stellaris (Bloch and Schneider, 1801)

Fishbase 2009, p. 1

Abalistes stellatus (Anonymous, 1798)

Günther, 1860, p. 36 (as *Balistes stellatus*); Carpenter and Niem, 2001 (Volume 6), p. 3918; Allen *et al.*, 2003, p. 404; www.fishbase.org (21/5/03) as (*A stellaris* Bloch and Schneider, 1801); Randall, 2005, p. 619

Balistapus undulatus (Mungo Park, 1797)

Schmeltz, 1869, p. 28 (as *Balistes lineatus* Bloch and Schneider, 1801); Boulenger, 1897, p. 374 (as *Balistes undulatus*); Carpenter and Niem, 2001 (Volume 6), p. 3919; Earle, 2004, p. 7

Balistoides conspicillum (Bloch and Schneider, 1801)

Günther, 1910, 9, p. 441 (as *Balistes conspicillum*); Carpenter and Niem, 2001 (Volume 6), p. 3920; Earle, 2004, p. 7

Balistoides viridescens (Bloch and Schneider, 1801)

Herre, 1936, p. 421; Carpenter and Niem, 2001 (Volume 6), p. 3921; Earle, 2004, p. 7

Canthidermis maculatus (Bloch, 1786)

Johnson Seeto. Photo of fish from the FAD off Suva 1983; Carpenter and Niem, 2001 (Volume 6), p. 3924.

**Canthidermis* sp.

Carlson, 1975, p. 74

Melichthys niger (Bloch, 1768)

Carpenter and Niem, 2001 (Volume 6), p. 3924

Melichthys vidua (Solander, 1844) Richardson, 1845

Zug *et al.*, 1988, p. 6; Carpenter and Niem, 2001 (Volume 6), p. 3924; Earle, 2004, p. 7

Odonus niger (Rüppell, 1836)

Richards *et al.*, 1994, p. 33; Carpenter and Niem, 2001 (Volume 6), p. 3925; Earle, 2004, p. 7

Pseudobalistes flavimarginatus (Rüppell, 1829)

Fowler, 1928, p. 452 (as *Balistes flavimarginatus*); Carpenter and Niem, 2001 (Volume 6), p. 3922

Pseudobalistes fuscus (Bloch and Schneider, 1801)

Günther, 1880, p. 36 (as *Balistes fuscus*); Carpenter and Niem, 2001 (Volume 6), p. 3923

Rhinecanthus aculeatus (Linnaeus, 1758)

Schmeltz, 1869, p. 28 (as *Balistes aculeatus*); Carpenter and Niem, 2001 (Volume 6), p. 3925; Boseto, 2005, p. 198

Rhinecanthus lunula Randall and Steene, 1983

Carlson, 1985, *pers. comm.*

Rhinecanthus rectangulus (Bloch and Schneider, 1801)

Schmeltz, 1869, p. 28; Carpenter and Niem, 2001 (Volume 6), p. 3925; Earle, 2004, p. 7

Rhinecanthus verrucosa (Linnaeus, 1758)

Emery and Winterbottom, 1983, p. 27 (as *Balistapus viridus*)

Sufflamen albicaudatus (Ruppell, 1829)

Brown, 2006, p. 48

Sufflamen bursa (Bloch and Schneider, 1801)

Schmeltz, 1869, p. 28 (as *Balistes bursa*); Carpenter and Niem, 2001 (Volume 6), p. 3925; Earle, 2004, p. 7

Sufflamen chrysoptera (Bloch and Schneider, 1801)

Fowler, 1940, p. 797; Carpenter and Niem, 2001 (Volume 6), p. 3925 (as *S. chrysoptera*); Nair, 2003, p. 49 (as *S. chrysoptera*)

Sufflamen fraenatus (Latreille, 1804)

Fowler, 1940, p. 797; Carpenter and Niem, 2001 (Volume 6), p. 3925

Xanthichthys auromarginatus (Bennett, 1831)

Carpenter and Niem, 2001 (Volume 6), p. 3925

Xanthichthys caeruleolineatus (Randall, Matsuura, and Zama, 1978)

Carpenter and Niem, 2001 (Volume 6), p. 3927

Xanthichthys mento (Jordan and Gilbert, 1882)

Fowler, 1928, p. 451 (as *Balistes ringens*, non Linnaeus). See *Bull Mar Sci* 28(4): 688-706.

Cichlidae (Mouth brooders and Freshwater angelfishes)

Oreochromis aureus (Steindachner, 1864)

Anon., 1976, p. 31 (introduced)

Oreochromis mossambicus (Peters, 1852)
Payne *et al.*, 1954, p. 71 - 76 (introduced)

Oreochromis nilotica (Linnaeus, 1758)
Popper, 1977, p. 8 (introduced); Nair, 2003, p. 47 and 64 (as
Oreochromis niloticus niloticus)

Oreochromis hornorum (Trewavas, 1966)
Richards *et al.*, 1994, p. 64 (introduced)

Oreochromis urolepis urolepis (Norman, 1922)
Fishbase-10-June-1996 (introduced)

Oreochromis urolepis hornorum (Norman, 1922)
Nair, 2003, p. 47; Fishbase 2009, p. 13

Pterophyllum scalare (Cuvier in Cuvier and Valenciennes, 1831)
J. Seeto's aquarium (introduced);

Tilapia zilli (Gervias, 1848)
Philippart and Ruwet, 1982 p. 30 (introduced)

Chlorophthalmidae

Chlorophthalmus agassizi Bonaparte, 1840
Günther, 1887, p. 193 (as *Chlorophthalmus productus* Günther, 1887)

Hemirhamphidae (Garfish)

Hemirhamphus far (Forsskål, 1775)
Günther, 1880, p. 36 (as *H. commersonii* Cuvier, 1829)

Hyporhamphus affinis (Günther, 1866)
Williams, 1997, p. 10

Hyporhamphus dussumieri (Cuvier and Valenciennes, 1847)
Günther, 1873 - 1910, 8, p. 354; Gunther, 1866 (as *H laticeps*
Gunther, 1866); Randall, 2005, p. 84; Boseto, 2005, p. 198

**Hyporhamphus* sp
Williams, 1997, p. 10

Oxyrhamphus micropterus micropterus (Valenciennes, 1846)
Carpenter, K. E. and Niem, V. H. 1999b, p. 2196

Zenarchopterus buffonis (Valenciennes, 1847)
Garman, 1903, p. 239 (as *Z. maculosus* Garman, 1903)

Zenarchopterus dispar (Valenciennes, 1847)
Günther, 1873 - 1910, 8, p. 358

Zenarchopterus gilli Smith, 1945
Ryan, 1980, p. 61

Myctophidae (Lantern fish)

Benthoosema fibulatum (Gilbert and Cramer, 1897)

Fishbase, 10-June-1996.

Benthoosema suborbitale (Gilbert, 1913)
Carpenter, K. E. and Niem, V. H. 1999a, p. 1965

Centrobranchus choerocephalus Fowler, 1904
Bekker, 1966, p. 64

Centrobranchus nigroocellatus Günther, 1873
Williams, 1997, p. 4

Diaphus agassizi Gilbert, 1908
Günther, 1887, p. 198 (as *Myctophum dumerilii* non Bleeker)

Diaphus anderseni Taaning, 1932
Taaning, 1932, p. 134 (SW of Fiji at Lat: 20°S, Long: 174° 29'W)

Gonichthys sp.
Williams, 1997, p. 9

Lampanyctus tenuiformis Braeur, 1906
N.V. Parin, 1985, *pers. comm.*

Myctophum brachygnathum (Bleeker, 1856)
N.V. Parin, 1985, *pers. comm.*

Myctophum nitidulum Garman, 1899
N.V. Parin, 1985, *pers. comm.*

Myctophum punctatum Rafinesque, 1810
Fowler, 1928, p. 70

Myctophum spinosum (Steindachner, 1867)
Carlson, 1975, p. 85

Symbolophorus evermanni (Gilbert, 1905)
Seale, 1935, p. 344 (as *Myctophum evermanni*)

**Symbolophorus* sp
Williams, 1997, p. 17

Trichoturus nigrescens Brauer, 1904
N.V. Parin, 1985, *pers. comm.*

Paralepididae (Barracudinas)

Stemonosudis elongate (Ege, 1933)
Fishbase 2009, p. 18

Omosudidae

Omosudis lowei Günther, 1887
Ege, 1958, p. 4

Cyprinidae (Carps)

Aristichthys nobilis (Richardson, 1845)

Adams and Titoka, 1970, p. 43 (introduced); Fishbase 2009, p. 10 (as *Hypophthalmichthys nobilis*)

Carassius auratus (Linnaeus, 1758)

J. Seeto aquarium (introduced)

Ctenopharyngodon idella (Valenciennes, 1844)

Mitchell, 1978, p. 1 (introduced)

Cyprinus carpio Linnaeus, 1758

Bass-Becking, 1950, (introduced) Common carp. J. Seeto, *pers comm* (koi was first introduced into the Sheraton Hotel foyer). Nair, 2003, p. 47; Nair, 2003, p. 64 (as *Cyprinus carpio carpio*); Fishbase 2009, p. 6 (as *Cyprinus carpio carpio*)

Hypophthalmichthys molitrix (Valenciennes, 1844)

Adams and Titoka, 1970, p. 43 (introduced); Fishbase 2009, p. 10

Pseudorasbora parva Temminck and Schlegel, 1846

Wellcome, 1988, (introduced) (cited in ICLARM Fish Base); Nair, 2003, p. 47

Puntius gonionotus (Bleeker, 1850)

Pillay, 1971, p. 14 (introduced); Anon, 1971, p. 29 (introduced); Nair, 2003, p. 47 and 65 (as *Barbonymus gonionotus*); Also known as *Barbodes gonionotus*.

**Rasborella dubia* Fowler and Bean, 1923

Fowler and Bean, 1923, p. 17. Incorrectly listed from Fiji.

Rhodeus ocellatus (Kner, 1866)

Wellcome, 1988, (introduced) (cited in ICLARM Fish Base); Nair, 2003, p. 47 (as *Rhodeus ocellatus ocellatus*); Fishbase 2009, p. 16 (as *R. ocellatus ocellatus*).

Ictaluridae (Channel Catfish)

Ictalurus punctatus (Rafinesque, 1818)

Jansen et al., 1990, p. 403 (introduced as aquaria fish)

Poeciliidae (Mollies and Guppies)

Gambusia affinis affinis Lindberg, 1934

Ryan, 1980, p. 68 (introduced)

Gambusia holbrooki (Girard, 1859)

Jenkins, 2003

Poecilia latipinna LeSueur, 1821

Introduced as aquarium fish (Black mollies)

Poecilia mexicana Steindachner, 1863

Carlson, 1975, p. 11 (introduced)

Poecilia reticulata (Peters, 1860)

Cavuilati, 1980, p. 19 (introduced); Ryan, 1980, p. 67 (introduced)

Xiphophorus helleri Heckel, 1848

Ryan, 1980, p. 67 (introduced)

Xiphophorus maculatus Günther, 1866

Introduced as aquarium fish (platys)

Characidae (Neon Tetras)

Paracheirodon innesi Myers, 1936

J. Seeto. Introduced as aquarium fish.

Bregmacerotidae

Bregmaceros atripinnis Tickell, 1865

Herre, 1936 (p. 56)

Bregmaceros japonicus Tanaka, 1908

D'Ancona and Cavinato, 1965, p. 65

Bregmaceros mccllellandi Thompson, 1840

Herre, 1936, p. 56

Bregmaceros nectabanus Whitley, 1941

D'Ancona and Cavinato, 1965, p. 47

Macrouridae

Abyssicola macrochir (Günther, 1877)

JICA, 1987, p. 111 (Volume 2). Fiji or Tuvalu.

Coryphaenoides murrayi Günther 1878

Fishbase (2002), p. 2

Hymenocephalus longibarbis (Günther, 1887)

Günther, 1887, p. 139

Lionurus microlepis (Günther, 1878)

Günther, 1878, p. 26 (as *Macrurus microlepis*); Fishbase (2002), p. 2 (as *Lucigadus microlepis*).

Moridae

Physiculus sp.

Hayasaka *et al.*, 1984, p. 81; Raj and Seeto, 1984.

Physiculus jordani (Böhlke and Mead, 1951)

Raj and Seeto, 1984.

Physiculus natalensis (Gilchrist, 1922)

Raj and Seeto, 1984.

Lampridae (Opahs)

Lampris guttatus (Brünnich, 1788)

Carlson, 1975, p. 86 (as *L. regius*)

Regalecidae (Oar fish)

Regalecus glesne Ascanius, 1772

Burgess *et al.*, 1988, p.103. Circumtropical.

Berycidae (Alfonsids)

Beryx splendens Lowe, 1834

JICA, 1987, p. 111 (Volume 2). Fiji or Tuvalu; Graham Southwick Deep sea fish catch; Fishbase, 2002, p. 2

Beryx decadactylus Cuvier in Cuvier and Valenciennes, 1829

Deep sea fish catch; JICA, 1987, p. 111 (Vol 2). Fiji or Tuvalu; Burgess *et al.*, 1988, p.249 (Cosmopolitan); Fishbase, 2002, p. 2

Centroberyx druzhinini (Busakhin, 1981)

Exploratory fishing Sea Fire (NZ) (Lau Basin, December, 1997). MSP photo. Was identified as *Centroberyx* sp (Masuda *et al.*, 1975, p. 29C. cf *C. lineatus*.)

Holocentridae (Soldierfishes and Squirrelfishes)

Myripristis adjusta Bleeker, 1853

Blaber *et al.*, 1993b, p. 106; Milton, Rawlinson, and Sesewa, 1993, p. 95; Carpenter and Niem, 1999, Vol. 4, p. 2236

Myripristis amaena (Castelnau, 1873)

Lewis (n.d.) Fisheries Photo.; McGrouter, 1997, p. 7 (as *M. amaneus*)

Myripristis berndti (Jordan and Evermann, 1903)

Royal Ontario Museum Records (Great Astrolabe Reef Collection); Chapman, Taumaia and Preston, 1984, p. 15; Carpenter and Niem, 1999, Vol. 4, p. 2238; Earle, 2004, p.1

Myripristis hexagona (Lacépède, 1802)

Whitley, 1927a, p. 4 (as *M. hexagonus*); Carpenter and Niem, 1999, Vol. 4, p. 2254; Earle, 2004, p.1; Randall, 2005, p. 89

Mypristis kuntee (Valenciennes in Cuvier and Valenciennes, 1831)

Zug *et al.*, 1988, p. 10; Royal Ontario Museum Records (Great Astrolabe Reef Collection); McGrouter, 1997, p. 7 (as *M. borbonicus* Val., 1831); Carpenter and Niem, 1999, Vol. 4, p. 2241; Earle, 2004, p.1

Myripristis murdjan (Forsskål, 1775)

Günther, 1880, p. 34; Carpenter and Niem, 1999, Vol. 4, p. 2242; Earle, 2004, p.1

Myripristis pralinia Cuvier, 1829

Carlson, 1975, p. 13 (as *M. pralinus*); Carpenter and Niem, 1999, Vol. 4, p. 2254; Earle, 2004, p.1

Myripristis violacea Bleeker, 1851

Greenfield, 1974, p. 13 (as *M. violaceus*); Carpenter and Niem, 1999, Vol. 4, p. 2243; Earle, 2004, p.1

Myripristis vittata Valenciennes in Cuvier and Valenciennes, 1831

Randall, 1986, p. 183 (as *M. vittatus*); Carpenter and Niem, 1999, Vol. 4, p. 2255; Earle, 2004, p.1

Neoniphon argenteus (Valenciennes, 1831)

Blaber *et al.*, 1993a, p. 53; Blaber *et al.*, 1993b, p. 106; Milton, Rawlinson, and Sesewa, 1993, p. 95

Neoniphon aurolineatus (Liènard, 1839)

Blaber *et al.*, 1993b, p. 106; Milton, Rawlinson, and Sesewa, 1993, p. 95

Neoniphon opercularis (Valenciennes, 1831)

Carlson, 1975, p. 13 (?); Carpenter and Niem, 1999, Vol. 4, p. 2244

Neoniphon sammara (Forsskål, 1775)

Kner, 1868, p. 29 (as *Holocentrus tahiticum*); Carpenter and Niem, 1999, Vol. 4, p. 2245; Earle, 2004, p.1

Ostichthys archiepiscopus (Valenciennes, 1862)

JICA, 1987, p. 111 (Volume 2). Fiji or Tuvalu; Fishbase, 2002, p. 2

Ostichthys japonicus (Cuvier 1829),

Fishbase, 2002, p. 3

Ostichthys kaianus (Günther, 1880)

Raj and Seeto, 1984.

Plectrypops lima (Valenciennes, 1831)

Carlson, 1975, p. 13

**Sargocentron brachyrhynchus* (Bleeker, 1853)

Boulenger, 1897, p. 372. An unassigned name? also known as *Rhynchichthys brachyrhynchus* Bleeker, 1853

Sargocentron caudomaculatum (Rüppell, 1838)

Emery and Winterbottom, 1983, pp. 18, 30; Lewis (n.d.) Fisheries photo (as *Sargocentron andamensis* Day, 1870); Carpenter and Niem, 1999, Vol. 4, p. 2249

Sargocentron cornutum (Bleeker, 1853)

Carlson, 1975, see addendum to 1975 checklist #74

Sargocentron diadema (Lacépède, 1802)

Günther, 1859 - 1870, 1, p. 42; Earle, 2004, p.1

Sargocentron iota Randall, 1998

Randall, 1998, pp. 36, 38; Randall, 2005, p. 95

Sargocentron lepros (Allen and Cross, 1983)

Zug *et al.*, 1988, p. 10; Randall, 2005, p. 95 (Rotuma)

Sargocentron melanospilos (Bleeker, 1858)

Royal Ontario Museum Records (Great Astrolabe Reef Collection)

Sargocentron microstoma (Günther, 1859)

Boulenger, 1897, p. 372 (as *S. microstomun*); Earle, 2004, p.1

Sargocentron praslin (Lacépède, 1802)

Randall, 1998, pp. 60, 63; Carpenter and Niem, 1999, Vol. 4, p. 2250

Sargocentron punctatissimum (Cuvier, 1829)

Boulenger, 1897, p. 372 (as *Holocentrum diploxiphus*) and later called *S. lacteoguttatum* (Cuvier, 1829)

Sargocentron rubrum (Forsskål, 1775)

Kner, 1868, p. 296

Sargocentron spiniferum (Forsskål, 1775)

Whitley, 1927a, p. 4; Carpenter and Niem, 1999, Vol. 4, p. 2252; Earle, 2004, p.1

Sargocentron tiere (Cuvier, 1829)

Boulenger, 1897, p. 372 (as *Holocentrum erythraeum*); Carpenter and Niem, 1999, Vol. 4, p. 2253

Sargocentron tiereoides (Bleeker, 1853)

Carlson, 1975, p. 13.

Sargocentron violaceum (Bleeker, 1853)

Kner, 1868, p. 296; Earle, 2004, p.1

Centropomidae (Barramundi)

**Lates calcarifer* (Bloch, 1790)

Fischer and Whitehead, 1974, Vol. I.; Fishbase 2009, p. 10. Guinea and Jaensch, 1999, p. 46; www.ntu.edu.au/ctwm/courses/course14/materials/Aaron%20jenkins%20freshwater%20fishes%20of%20Fiji%20table.doc; <http://fish.mongabay.com/data/Fiji.htm>. J Seeto believes this is a wrong record for Fiji.

Ostracoberycidae

Ostracoberyx dorygenys (Fowler, 1934)

Raj and Seeto, 1984

Ostracoberyx tricornis Matsubaba, 1939

J. Seeto, *pers. comm.* (deep sea collections)

Polymixiidae

Polymixia sp.

Raj and Seeto, 1984 (photograph); JICA, 1987, p. 111 (Volume 2). Fiji or Tuvalu.

Anomalopidae (Flashlight fishes)

Parmops echinites Johnson, Seeto and Rosenblatt, 2001: 497

Anomalops katoptron (Bleeker, 1856)

Kner, 1868, pp. 26, 294 (as *A. graeffei*)

Parmops coruscans Rosenblatt and Johnson, 1991: 497

Zeiidae (Dories)

Cyttopsis rosea (?) Lowe, 1843

Burgess *et al.*, 1988, p.118. Circumtropical.

Grammicolepididae

Xenolepidichthys dalgleishi Gilchrist, 1922

Fishbase. 10-June-1996.

Caproidae (Boarfish)

Antigonia capros Fowler and Bean, 1929

Raj, 1981, p. 9

Bothidae (Lefteye Flounder)

**Arnoglossus* sp.

Carlson, 1975 p. 73; McGrouter, 1997, p. 2

Asterorhombus fijiensis (Norman, 1931)

Günther, 1880, p. 36 (as *Rhomboidichthys* sp.); Norman, 1931, p. 508 (as *Engyprosopon fijiensis*); Carpenter and Niem, 2001 (Volume 6), p. 3815; Randall, 2005, p. 612

Asterorhombus intermedius (Bleeker, 1866)

Royal Ontario Museum Records (Great Astrolabe Reef Collection)

Bothus mancus (Broussonet, 1782)

Carlson, 1975, p.73; Carpenter and Niem, 2001 (Vol. 6), p. 3817

Bothus pantherinus (Rüppell, 1830)

Günther, 1859 - 1870, 4, p. 436; McGrouter, 1997, p. 7 (as *Platophrys pantherinus*); Carpenter and Niem, 2001 (Volume 6), p. 3819

Asterorhombus fijiensis (Norman, 1931)

Günther, 1880, p. 36 (as *Rhomboidichthys* sp.); Norman, 1931, p. 508 (as *Engyprosopon fijiensis*); Randall, 2005, p. 612

Paralichthyidae

Pseudorhombus arsius (Hamilton-Buchanan, 1822)

Fischer and Whitehead, 1974, Vol. I; Carpenter and Niem, 2001 (Volume 6), p. 3847; Randall, 2005, p. 616

*Pleuronectidae (Righteye Flounder)

**Platichthys flesus* (Linnaeus, 1758)

Thurston, 1881, p.21. A European species erroneously listed from Fiji.

Samaridae (Crested flounders)

Samariscus triocellatus Woods, 1966

Carlson, 1975, p. 13; Randall, 2005, p. 616

Cynoglossidae (Tongue sole)

Symphurus orientalis (Bleeker, 1879)

Raj and Seeto, 1984

Soleidae (Soles)

Aseraggodes cyclurus Randall, 2005

Randall, 2005c, p.199; Randall and Desoutter-Meniger, 2007, p. 320.

Aseraggodes whitakeri Woods, 1966

Randall, 2005c, pp. 191, 210; Fishbase 2009, p. 2

**Aseraggodes* sp.

Carlson, 1975, p. 74

Dexillichthys muelleri (Steindachner, 1879)
Carpenter and Niem, 2001 (Volume 6), p. 3885

Pardachirus pavoninus (Lacépède, 1802)
Carlson, 1975, p. 73

Soleichthys heterorhinos (Bleeker, 1856)
Steindachner and Kner, 1870, p. 427 (as *Solea nigrostriolata*).
Whitley, 1927, p. 4 (as *Microbuglossus nigrostriolatus*); Randall,
2005, p. 617; Randall and Munroe, 2008, p. 76 (as *Soleichthys*
nigrostriolatus)

**Soleichthys* sp.
Williams, 1997, p. 16

Ambassidae (Glass perch)

Ambassis ambassis Lacépède, 1802
Fowler, 1928, p. 166 (same as *A. commersonii* Cuvier, 1828?)

**Ambassis batjanensis* Bleeker, 1855
Fowler, 1940, p. 769 (?Fiji)

Ambassis commersoni Cuvier and Valenciennes, 1828
Fowler, 1928, p. 163 166? (same as *A. ambassis*?)

Ambassis interruptus (Bleeker, 1852)
Ram, *et al.*, 1983, p. 78

Ambassis miops Gunter, 1872
Boseto, 2005, p. 198

**Ambassis nalua* Buchanan-Hamilton, 1822
Fowler, 1928, p. 166. Incorrect locality, not Fiji.

Ambassis safgha (Forsskål, 1775)
Fowler, 1928 p. 166 (as *A. vaivasensis* Jordan and Seale, 1906)
(Oahu or Fiji). Found in Fiji.

**Ambassis urotaenia* Bleeker, 1852
Kendall and Goldsborough, 1911, p. 279

Ambassis vaivasensis Jordan and Seale, 1906
Ryan, 2000, p. 151 (as *A. vaivensis*)

Acanthoclinidae (Spiny Basslets)

Sometimes included under Plesiopidae.
Acanthoplesiops hiatti Schultz, 1953
Springer, 1982, pp. 10, 149

Apogonidae (Cardinalfishes)

Apogon amboinensis Bleeker, 1853
Schmeltz, 1879, p. 38; Fowler, 1931, p. 328

Apogon angustatus (Smith and Radcliffe, 1911)
Carlson, 1975, p. 18; Earle, 2004, p.2

Apogon aroubiensis (Hombron and Jacquinot, 1853)
McCulloch, 1915, p. 118 (as *Amia fasciatus aroubiensis*)

Apogon auritus (Valenciennes, 1831)
Fowler, 1928, p. 163 (Samoa or Fiji). Herre, 1936 (p. 136) (as
Apoginichthys auritus)

Apogon caudicinctus Randall and Smith, 1988
Williams, 1997, p. 2; Randall, 2005, p. 193

Apogon ceramensis Bleeker, 1852
Boseto, 2005

Apogon coccineus Rüppell, 1838
Carlson, 1975, p. 18

Apogon crassiceps (Garman, 1903)
Garman, 1903, p. 230 (type locality Fiji); Randall, 2005, p. 193.
Lieske and Myers, 1994, p. 37 say this is a Hawaiian species. Randall
et al., 1997 say it is found in the Western Pacific.

Apogon dammermani Weber and de Beaufort, 1929
Williams, 1997, p. 3

Apogon darnleyensis (Alleyne & Macleay, 1877)
Blaber *et al.*, 1993 (b) p. 104

Apogon dispar Fraser and Randall, 1976
Nair, 2003, p. 48

Apogon doryssa (Jordan and Seale, 1906)
Randall, 1986, p. 195

Apogon endekataenia Bleeker, 1852
Günther, 1859 - 1870, 1, p. 241 (as *A. fasciatus*, non Shaw)

Apogon fasciatus (White, 1790)
Boulenger, 1897, p. 372; McGrouter, 1997, p. 6 (as *Lovamia*
fasciata)

Apogon fleurieu (Lacépède, 1802)
Carlson, 1975, p. 21 (as *A. aureus*); Brown, 1993, p. 50 show *A.*
aureus; <http://fins.actwin.com/species/index.php?9&i=3>

Apogon hyalosoma Bleeker, 1852
Schmeltz, 1869, p.13

Apogon hypselonotus Bleeker, 1855
Boulenger, 1897, p. 372

Apogon indicus Greenfield, 2001
Fishbase 2009, p. 2

Apogon lateralis Valenciennes, 1832
Boseto, 2005, p. 198

- **Apogon maculiferus* Garrett, 1864
Fowler, 1928, p. 161. A Hawaii endemic species incorrectly listed from Fiji.
- Apogon moluccensis* Valenciennes, 1832
Weber and de Beaufort, 1929, 5, p. 322
- Apogon monochrous* Bleeker, 1856
Günther, 1859 - 1870, 1, p. 236
- Apogon ocellicaudus* Allen, Kuitert and Randall, 1994
Williams, 1997, p. 3
- Apogon posterofasciatus* Allen and Randall, 2002
Randall, 2005, p. 195
- Apogon quadrifasciatus* (Cuvier in Cuvier and Valenciennes, 1828)
Günther, 1859 - 1870, 1, p. 239
- Apogon rubrimacula* Randall and Kulbicki, 1998
Fishbase 2009, p. 2
- Apogon rufus* Randall and Fraser, 1999
Randall and Fraser, 1999, p. 617
- Apogon sangiensis* Bleeker, 1857
Jordan and Seale, 1906, p. 244
- Apogon seminigracaudus* Greenfield, 2007
Fishbase 2009, p. 2
- Apogon semilineatus* Temminck and Schlegel, 1842
Raj and Seeto, 1984 (as *Apogon* n. sp.)
- Apogon semiornatus* Peters, 1876
Williams, 1997, p. 3
- **Apogon* sp.
Zug *et al.*, 1988, p. 6
- Apogon talboti* Smith, 1961
Royal Ontario Museum Records (Great Astrolabe Reef Collection)
- Apogon unicolor* Döderlein in Steindachner and Döderlein, 1883
Zug *et al.*, 1988, p. 6
- Apogon variegata* (Valenciennes, 1832)
Fowler, 1932, p. 6 (as *Apogonichthys polystigma* (Bleeker, 1859)
Apogon viria Fraser, 2008
Greenfield, 2003, list; Fishbase 2009, p. 12 (as *Nectamia viria*)
- Apogonichthys ocellatus* (Weber, 1913)
Royal Ontario Museum Records (Great Astrolabe Reef Collection)
- Apogonichthys perdix* Bleeker, 1854
Kendall and Goldsborough, 1911, p. 278 (as *A. vaiulae*)
- Archamia biguttata* Lachner, 1951
Carlson, 1975, p. 20
- Archamia buruensis* Bleeker, 1856
Williams, 1997, p. 3 (as *Archamia buroensis*)
- Archamia fucata* (Cantor, 1849)
Carlson, 1975, p. 21
- Archamia lineolata* (Cuvier (ex-Ehrenberg) in Cuvier and Valenciennes, 1828)
Kearney, 1982, p. 5
- **Archamia* sp
McGrouter, 1997, p. 2
- Archamia zosterophora* (Bleeker, 1856)
Blaber *et al.*, 1993b, p.104; Milton, Rawlinson, and Sesewa, 1993, p. 94. Gon and Randall (2003) did not include this fish from Fiji.
- Cheilodipterus artus* Smith, 1961
Gon, 1993, pp. 16, 19
- * *Cheilodipterus arabicus* (Gmelin, 1789)
Royal Ontario Museum Records (Great Astrolabe Reef Collection) (as *Cheilodipterus lachneri* Klausewitz, 1959. This is a Red Sea species according to Gon (1993, p. 24).
- Cheilodipterus lineatus* (Forsskål, 1775)
Williams, 1997, p. 5
- Cheilodipterus macrodon* (Lacépède, 1802)
Carlson, 1975, p. 21
- Cheilodipterus quinquelineatus* Cuvier in Cuvier and Valenciennes, 1828
Carlson, 1975, p. 21
- Cheilodipterus zonatus* Smith and Radcliffe, 1912
Blaber *et al.*, 1993b, p. 104; Milton, Rawlinson, and Sesewa, 1993, p. 94; Rawlinson and Sesewa, 1993b, p. 74
- Foa brachygramma* (Jenkins, 1903)
Zug *et al.*, 1988, p. 6
- Foa fo* Jordan and Seale, 1906
Seale, 1935, p. 358
- **Foa* sp.
Williams, 1997, p. 8
- Fowleria aurita* (Valenciennes, 1831)

Fowler, 1928, p. 163

Fowleria marmorata (Alleyne and MacLeay, 1876)

Carlson, 1975, p. 21

Fowleria isostigma Jordan and Seale, 1906);

Carlson, 1975, p. 21; Nair, 2003, p. 48

Fowleria punctulata (Ruppell, 1838)

Fishbase 2009, p. 8

**Fowleria* sp.

Royal Ontario Museum Records (Great Astrolabe Reef Collection); McGrouter, 1997, p. 4

Fowleria variegata (Valenciennes, 1832)

Royal Ontario Museum Records (Great Astrolabe Reef Collection)

Gymnapogon urospilos Lachner, 1953

Zug *et al.*, 1988, p. 6; Nair, 2003, p. 48 (as *Gymnapogon urospilotus*)

**Gymapogon* sp.

Carlson, 1975, p. 21; Royal Ontario Museum Records (Great Astrolabe Reef Collection) ; Williams, 1997, p. 9; McGrouter, 1997, p. 5. Probably refer to different species of *Gymapogon*.

Gymnapogon spp. (at least two species)

Zug *et al.*, 1988, p. 6

Lachneratus phasmaticus Fraser and Strhsaker, 1991

Williams, 1997, p. 11

Neamia articycla Fraser and Allen, 2006

Fraser and Allen, 2006, p. 1

Neamia octospina Smith and Radcliffe, 1912

Williams, 1997, p. 12; Williams, 1997, p. 8 (as *Fowleria abocellata* Goren and Karplus, 1980); Royal Ontario Museum Records (Great Astrolabe Reef Collection) (as *Fowleria c.f. abocellata*); Randall, 2005, p. 201.

Ostorhinchus aureus (Lacepede, 1802)

Ryan, 2000, p. 141 (as *Apogon aureus*)

Ostorhinchus bandanensis (Bleeker, 1854)

J Seeto (deep sea collection) (as *Apogon bandanensis*); Randall, 2005, p. 203 (Fiji-Rotuma); Fishbase 2009, p. 12 (as *Nectamia bandensis*)

Ostorhinchus cookii (Macleay, 1881)

Williams, 1997, p. 3 (as *Apogon cookii*); McGrouter, 1997, p. 1 (as *Apogon cookii*); McGrouter, 1997, p. 2 (as *Apogon robustus*)

Ostorhinchus cyanosoma (Bleeker, 1853)

Carlson, 1975, p. 21 (as *Apogon cyanosoma*); Carlson, 1975, p.

19 (as *Apogon novae-guineae* Val., 1832); Carpenter and Niem, 1999, p. 2608 (as *A. cyanosoma*); Earle, 2004, p.2 (as *Apogon cyanosoma*).

Ostorhinchus fuscus (Quoy and Gaimard, 1825)

Günther, 1873 - 1910, 1, p. 22 (as *Apogon fusca*); Fishbase 2009, p. 12 (as *Nectamia fusca*)

Ostorhinchus guamensis (Valenciennes, 1832)

Garman, 1903, p. 229 (as *Apogon nubilus* Garman, 1903); Nair, 2003, p. 48 (as *Apogon guamensis*); Randall, 2005, p. 206

Ostorhinchus lateralis (Valenciennes, 1832)

Kendall and Goldsborough, 1911, p. 278 (as *A. ceramensis* Bleeker, 1852) which is also valid.

Ostorhinchus nigrofasciatus Lachner, 1953

Carlson, 1975, p. 19 (as *Apogon nigrofasciatus*); Earle, 2004, p.2 (as *Apogon nigrofasciatus*)

Ostorhinchus novemfasciatus (Cuvier in Cuvier and Valenciennes, 1828)

Boulenger, 1897 p. 372 (Rotuma) (as *Apogon novemfasciatus*); McCulloch, 1915, p. 118 (as *Amia fasciatus stevensoni*)

Ostorhinchus savayensis Günther, 1872

Boulenger, 1897, p. 372 (as *Apogon savayensis*); Günther, 1880, p. 34 (as *Apogon savayensis*); Fishbase 2009, p. 12 (as *Nectamia savayensis*)

Sometimes made a synonym of *Apogon fuscus* Q & G, 1825

Ostorhinchus taeniophorus (Regan, 1908)

Rawlinson *et al.*, (n.d. ca 1995), p. 58 (as *Apogon taeniophorus*)

Pristiapogon exostigma (Jordan and Starks, 1906)

Herre, 1936, p. 128 (as *Apogon exostigma*)

Pristiapogon fraenatus (Valenciennes, 1832)

Günther, 1859 - 1870, 1, p. 241 (as *Apogon fraenatus*); Nair, 2003, p. 48 (as *Apogon fraenatus*)

Pristiapogon kallopterus (Bleeker, 1856)

Carlson, 1975, p. 20 (as *Apogon kallopterus*); Earle, 2004, p.2 (as *P. kallopterus*)

Pristiapogon taeniopterus (Bennett, 1836)

Carlson, 1975, p. 19 (as *A. menesemops*); Williams, 1997, p. 3 (as *A. menesemus*); Royal Ontario Museum Records (Great Astrolabe Reef Collection) (as *Apogon robustus* Lachner, 1953)

Pristiapogon trimaculatus (Cuvier in Cuvier and Valenciennes, 1828)

Carlson, 1975, p. 20 (as *Apogon trimaculatus*)

Pseudamia gelatinosa Smith, 1955

Randall, Lachner, and Fraser, 1985, pp. 8, 11

Pseudamia zonata Randall, Lachner and Fraser, 1985
Randall, 2005, p. 212

Pseudamiops gracilicauda (Lachner, 1953)
Royal Ontario Museum Collection Records (Great Astrolabe Reef)
(as *Pseudamia gracilicauda*)

Pseudamiops sp; sp. 1; sp. 2.
Royal Ontario Museum Records (Great Astrolabe Reef Collection)

Rhabdamia cypselurus Weber, 1909
Kearney, 1978, p. 7

Rhabdamia gracilis (Bleeker, 1856)
Herre, 1953, p. 324; Randall, 2005, p. 213

Rhabdamia sp. c.f. *cypselurus* Weber, 1909
Blaber *et al.*, 1993b, p. 104

**Rhabdamia* sp. 6
Royal Ontario Museum Records (Great Astrolabe Reef Collection)

**Siphamia* sp.
Carlson, 1975, p. 21

Siphamia tubulata (Weber, 1909)
Blaber *et al.*, 1993b, p. 104; Milton, Rawlinson, and Sesewa, 1993,
p. 94; Rawlinson and Sesewa, 1993b, p. 75

Siphamia versicolor (Smith and Radcliffe in Radcliffe, 1911)
Ram *et al.*, 1983, p. 78

Sphaeramia nematoptera (Bleeker, 1856)
Carlson, 1975, p. 22 (as *S. nematopterus*); Randall, 2005, p. 214

Sphaeramia orbicularis (Cuvier, 1828)
Carlson, 1975, p. 22; McGrouter, 1997, p. 9; Boseto, 2005, p. 198

Zoramia leptacanthus (Bleeker, 1856)
Fowler, 1928, p. 163 (as *Mionorus graeffei* Gunther, 1873).

Zoramia flebila Greenfield, Langston & Randall, 2005.
Fishbase 2009, p.19; <http://intreasures.com/com/fijimf.html>

Epigonidae

Epigonus robustus (Barnard, 1927)
Carlson, 1975, p. 20

Kuhliidae (Flagtails)

**Kuhlia malo* (Cuvier and Valenciennes, 1831)
Schmeltz, 1865, p.6 (as *Dules malo*); Jordan and Seale, 1906, p. 55.
Randall and Randall, 2001 state that this species is only found in
the freshwater of the Society Islands.

Kuhlia marginata (Cuvier, 1829)

Günther, 1859, p. 268 (as *Dules marginatus*); Carpenter and Niem,
2001, p. 3319; Randall, 2005, p. 182

Kuhlia mugil (Forster in Bloch and Schneider, 1801)
Boulenger, 1897, p. 372 (as *K. taeniura*); Seale, 1935, p. 395 (as *K.*
caudovittata); Carpenter and Niem, 2001, p. 3319

Kuhlia munda (De Vis, 1885)
Boulenger, 1895, p. 40 (as *K. malo*, in part); Fowler, 1928, p. 170
(type of *Kuhlia proxima*); Herre, 1936, p. 145 (as *Kuhlia bilunulata*
Herre, 1935); Carpenter and Niem, 2001, p. 3320; Randall, 2005, p.
182, Boseto, 2005, p. 198

Kuhlia rupestris (Lacépède, 1801)
Schmeltz, 1874, p. 22 (as *Dules rupestris*), Carpenter and Niem,
2001, p. 3320; Boseto, 2005, p. 198

**Kuhlia sandvicensis* (Steindachner, 1877)
Fowler, 1928, p. 170. Randall and Randall, 2001 were of the opinion
that this is *Kuhlia marginata*.

Lobotidae (Triple Tails)

Lobotes surinamensis (Bloch, 1790)
Carlson, 1975, p. 88; Carpenter and Niem, 2001, p. 2944

Priacanthidae (Bulls Eye)

Cookeolus japonicus (Cuvier, 1829)
Carpenter and Niem, 1999, p. 2599

Priacanthus blochii Bleeker, 1853
Raj and Seeto, 1984; Carpenter and Niem, 1999, p. 2599

Heteropriacanthus cruentatus (Lacépède, 1801)
Fowler, 1928, p. 190 (as *Priacanthus cruentatus*). JICA, 1987, p. 111
(Volume 2) (as *Cookeolus boops*). Fiji or Tuvalu (as *P. boops*) Forster
in Bloch and Schneider, 1801; Carpenter and Niem, 1999, p. 2595.
Exploratory Fishing - NZ Company. Lau Basin, Dec 1997. Photo
MSP. (as *Priacanthus boops*) Forster in Bloch and Schneider, 1801.
J Seeto is of the opinion that they are separate species.

Priacanthus hamrur (Forsskål, 1775)
Lal *et al.*, 1983, p. 29; Carpenter and Niem, 1999, p. 2596

Priacanthus sagittarius Starnes, 1988
Carpenter and Niem, 1999, p. 2600

Priacanthus tayeus Richardson, 1846
Blaber *et al.*, 1993b, p. 109; Milton, Rawlinson and Sesewa, 1993, p. 96

Pristigenys meyeri (Gunther, 1871)
Carpenter and Niem, 1999, p. 2601

Pomatidae

Neoscombrops pacificus Mochizuki
JICA, 1987, p. 111 (Volume 2). Fiji or Tuvalu. Possibly erroneously
identified. Randy Thaman, specimen (Fiji Fish) near Kadavu, deep sea
12/2/08; Fishbase 2009, p. 13

Plesiopidae (Longfins)

Calloplesiops altivelis (Steindachner, 1903)

Carlson, 1975, p. 88

Lubbochichthys multisquamatus (Allen, 1987)

Zug *et al.*, 1988, p. 13 (as *Pseudoplesiops multisquamatus*)

Plesiops coeruleolineatus Rüppell, 1835

Jordan and Seale, 1906, p. 261 (as *Pharopteryx melas*); Randall, 2005, p. 190

Plesiops corallicola Bleeker, 1853

Günther, 1859-1870, 1, p. 364

**Plesiops nigricans* Rüppell, 1828

Boulenger, 1895, p. 340 and others erroneously list this Red Sea species from Fiji. Pacific Ocean records of *P. nigricans* are referable to *P. corallicola*.

Plesiops polydactylus Mooi, 1995

Mooi, 1995, Royal Ontario Museum. Holotype Fiji (Naviti Island)- (may be aberrant population of *P. coeruleolineatus*-Mooi); Williams, 1997, p. 14; <http://intreasures.com/fijimf.html> (as endemic)

Plesiops verecundus Mooi, 1995

Mooi, 1995, p. 57; Royal Ontario Museum-Holotype Fiji; Williams, 1997, p. 14; McGrouter, 1997, p. 8; Randall, 2005, p. 191. This may be confused with *Osopsaron verecundus* (Jordan and Snyder).

Steeneichthys plesiopsus Allen and Randall, 1985

Williams, 1997, p. 16; Randall, 2005, p. 191

Channidae

Channa striatus (Bloch, 1793)

Van Pel, 1959, p. 27 (introduced). According to Andrews (1985, p. 76) this introduced species 'apparently failed to survive.'

Pseudochromidae

Cypho purpurascens (De Vis, 1884)

Carlson, 1975, p. 23 (as *Pseudochromis mccullochi* Myers, 1932). Royal Ontario Museum Records (Great Astrolabe Reef Collection); Debelius and Baensch, 1994, p. 961; Carpenter and Niem, 1999, p. 2570

Pseudochromis cyanotaenia Bleeker, 1857

Myers, 1991, p. 113

Pseudochromis fuscus Müller and Troschel, 1849

FishBase (ICLARM) p. 7 (citing Randall *et al.*, 1990 - Melanesia); Nair, 2003, p. 57; Fishbase 2009, p. 15

Pseudochromis jamesi Schultz, 1943

Royal Ontario Museum Records (Great Astrolabe Reef Collection); Randall, 2005, p. 187

Pseudochromis melanurus Gill, 2004

Greenfield, 2000, (at Marine Reference collection at USP).

Pseudochromis porphyreus Lubbock and Goldman, 1974

Carlson, 1975, p. 23; Carpenter and Niem, 1999, p. 2576. = *Protopseudochromis porphyreus*

Pseudochromis n. sp. ms 1994

McGrouter, 1997, p. 8

Pseudochromis tapeinosoma Bleeker, 1853

Herre, 1936, p. 167

Pseudoplesiops multisquamatus Allen, 1987

Debelius and Baensch, 1994, p. 985

Pseudoplesiops rosae Schultz, 1943

Carlson, 1975, p. 23

**Pseudoplesiops* sp.

Zug *et al.*, 1988, p. 13

Pseudoplesiops wassi Gill and Edwards, 2003

Randall, 2005, p. 189 (Fiji and Rotuma)

Percichthyidae (Temperate Bass)

Macquaria colonorum (Günther, 1863) (introduced)

Fowler, 1959, p. 209 (as *Percalates colonorum*). Axelrod, Burgess, Pronek and Walls, 1986, p. 710

Macquaria novemaculeata (Steindachner, 1866)

Stead, 1914, p. 279 (as *Percalates fluviatilis* Stead, 1906-introduced). See Fowler, 1959, p. 209 - same as above.

Serranidae (Groupers, rock cods, basslets, and coral trouts)

Aethaloperca rogae (Forsskål, 1775)

Zug *et al.*, 1989 (Rotuma), p.; Randall, 2005, p. 147

**Anthias* n. sp.

Carlson, 1985, *pers. comm.*

Anyperodon leucogrammicus (Valenciennes, 1828)

Anon., 1985 (poster); Carpenter and Niem, 1999, p. 2475; Earle, 2004, p.2; Brown, 2006, p. 47

Aporops bilinearis Schultz, 1943

Royal Ontario Museum Records (Great Astrolabe Reef Collection); Zug *et al.*, 1988, p.; 14 (as *Pseudogramma bilinearis*)

Belonoperca chabanaudi Fowler and Bean, 1930

Carlson, 1975, p. 23; Earle, 2004, p. 2

Cephalopholis argus Bloch and Schneider, 1801

Fowler, 1929, p. 6; Carpenter and Niem, 1999, p. 2476; Nimmerfroh, 2006, p. 30

Cephalopholis aurantia (Valenciennes, 1828)

Randall and Heemstra, 1991, p. 38; Carpenter and Niem, 1999, p. 2540. Was known as *C. analis*.

Cephalopholis boenak (Bloch, 1790)

Fischer and Whitehead, 1974, Vol. IV (as *Cephalopholis pachycentron*)

Cephalopholis igarashiensis Katayama, 1957

Anon., 1982a, p. 69; Carpenter and Niem, 1999, p. 2479

Cephalopholis leopardus (Lacépède, 1801)

Carlson, 1975, p. 24; Carpenter and Niem, 1999, p. 2541; Earle, 2004, p.2

Cephalopholis microprion (Bleeker, 1852)

Allen *et al.*, 2003, p. 157

Cephalopholis miniata (Forsskål, 1775)

Fischer and Whitehead, 1974, Vol. IV; Carpenter and Niem, 1999, p. 2480; Nimmerfroh, 2006, p. 30.

Cephalopholis sexmaculata (Rüppell, 1830)

Randall and Heemstra, 1991, pp. 60, 62; Carpenter and Niem, 1999, p. 2481

Cephalopholis sonnerati (Valenciennes, 1828)

Fischer and Whitehead, 1974, Vol. IV.

Cephalopholis spiloparaea (Valenciennes, 1828)

Randall, 1986, p. 190 (misidentified as *Cephalopholis analis* (Valenciennes, 1828); Randall and Heemstra, 1991, p. 67; Carpenter and Niem, 1999, p. 2542; Earle, 2004, p.2

Cephalopholis urodeta (Forster in Bloch and Schneider, 1801)

Carlson, 1975, p. 24 (as *C. urodelus*); Carpenter and Niem, 1999, p. 2483; Earle, 2004, p.2

Cromileptes altivelis (Valenciennes, 1828)

Fischer and Whitehead, 1974, Vol. IV; Lewis (n.d.) Fisheries photo; Greenberg, 1985, p. 1. Very rare or stragglers found in Fiji.

Dactylanthias mcmichaeli Whitley, 1962

Carlson, 1975, p. 23 (as *Anthias memichaeli*)

Epinephelus amblycephalus (Bleeker, 1857)

Randall and Heemstra, 1991, pp. 93, 96; Carpenter and Niem, 1999, p. 2486

Epinephelus areolatus (Forsskål, 1775)

Fischer and Whitehead, 1974, Vol. IV; Carpenter and Niem, 1999, p. 2483; Allen *et al.*, 2003, p. 159. Randall and Heemstra, 1991 did not list this species from Fiji.

**Epinephelus bleekeri* (Vaillant and Bocourt, 1877)

Fischer and Whitehead, 1974, Vol. IV. Doubtful record for Fiji because this is an Asian to N.W. Australian species.

Epinephelus chlorostigma (Valenciennes, 1828)

Mead, 1980, p. 10; Carpenter and Niem, 1999, p. 2492; Nair, 2003, p. 58; Nimmerfroh, 2006, p. 31

Randall and Heemstra, 1991 do not list this species from Fiji.

Epinephelus coeruleopunctatus (Bloch, 1790)

Kner, 1868, p. 297 (as *Serranus hoevenii*); Carpenter and Niem, 1999, p. 2491; Allen *et al.*, 2003, p. 161 (as *E. caeruleopunctatus*); Randall, 2005, p. 154

Epinephelus coiodes (Hamilton, 1822)

Randall and Heemstra, 1991, pp. 121, 125; Carpenter and Niem, 1999, p. 2493; Randall, 2005, p. 155

Was known as *Epinephelus suillus*.

Epinephelus corallicola (Valenciennes (ex Kuhl and van Hasselt) in Cuvier and Valenciennes, 1828); Kuitert and Debelius, 1997, p. 95

Randall and Heemstra, 1991 do not list this species from Fiji.

Epinephelus cyanopodus (Richardson, 1846)

Mead, 1980, pp. 10, 13 (as *Epinephelus hoedti*); JICA, 1987, p. 111 (Volume 2) (as *E. cynopodus*). Fiji or Tuvalu; Carpenter and Niem, 1999, p. 2494; Allen *et al.*, 2003, p. 158; Randall, 2005, p. 155

**Epinephelus damelii* Günther, 1876

Lal *et al.*, 1983, p. 26. A subtropical species according to Randall and Heemstra, 1991, p. 132. Not found in Fiji.

**Epinephelus diacanthus* (Valenciennes, 1828)

Carlson, 1975, p. 24. Randall and Heemstra, 1991, p. 137 say this is a Red Sea, Indian Ocean species. A doubtful record from Fiji.

Epinephelus fario (Thunberg, 1792) = *nomen dubium*

Peters, 1876 (1877), p. 831

Epinephelus fasciatus (Forsskål, 1775)

Fischer and Whitehead, 1974, Vol. IV; Carpenter and Niem, 1999, p. 2499

**Epinephelus flavocaeruleus* (Lacépède, 1802)

Carlson, 1975, p. 25. Randall and Heemstra, 1991 say this is an Indian Ocean species.

Epinephelus fuscoguttatus (Forsskål, 1775)

Fischer and Whitehead, 1974, Vol. IV; Carpenter and Niem, 1999, p. 2501; Earle, 2004, p.2

Epinephelus hexagonatus (Bloch and Schneider, 1801)

Günther, 1859 - 1870, 1, p. 141 (as *Serranus hexagonatus*); Carpenter and Niem, 1999, p. 2503

Epinephelus howlandi (Günther, 1873)

Mead, 1980, p.11, 14 (as *Epinephelus spilotus*); Carpenter and Niem, 1999, p. 2544

Epinephelus lanceolatus (Bloch, 1790)

Whitley, 1927a, p. 5 (as *Promicrops lanceolatus*); Carpenter and Niem, 1999, p. 2505; Earle, 2004, p.2; Boseto, 2005, p. 199

Epinephelus macrospilos (Bleeker, 1855)

Randall and Heemstra, 1991, pp. 185, 189; Carpenter and Niem, 1999, p. 2508; Earle, 2004, p.2; Randall, 2005, p. 158

Epinephelus maculatus (Bloch, 1790)

Peters, 1876, p. 831 (as *Serranus maculatus*); Carpenter and Niem, 1999, p. 2509; Earle, 2004, p.2

Epinephelus magniscuttis Postel, Fourmanoir, and Guézé, 1963

Mead, 1980, pp. 11, 14; Carpenter and Niem, 1999, p. 2510

Epinephelus malabaricus (Bloch and Schneider, 1801)

Whitley, 1927, p. 5 (as *Epinephelus pantherinus*); Fowler, 1931; Mead, 1980, p. 10 (as *Epinephelus cylindricus*); Carpenter and Niem, 1999, p. 2511; Randall, 2005, p. 159; Boseto, 2005, p. 199. According to Randall and Ben Tuvia (1983, p. 403) this is not a Pacific Ocean species. Heemstra and Randall (1993) say this is found in Fiji. Serranid taxonomy can be very confusing!

Epinephelus merra Bloch, 1793

Boulenger, 1895, p. 241; Carpenter and Niem, 1999, p. 2512

Epinephelus miliaris (Valenciennes, 1830)

Mead, 1980, p. 10 (as *Epinephelus dictyophorus*). Chapman, Taumaia and Preston, 1984, p. 14 (as *Epinephelus fuscus* Fourmanior); Carpenter and Niem, 1999, p. 2544; Randall, 2005, p. 160

Epinephelus morrhua Valenciennes, 1833

Mead, 1980, pp. 11, 14; Carpenter and Niem, 1999, p. 2513. *Epinephelus cometae* is this species too.

Epinephelus octofasciatus (Griffin, 1926)

Anon., Nda, p. 16 (as *Epinephelus compressus*); Carpenter and Niem, 1999, p. 2545

Epinephelus ongus (Bloch, 1790)

Kner, 1868, p. 297 (as *Epinephelus summana* non Forsskål); Carpenter and Niem, 1999, p. 2514; Allen *et al.*, 2003, p. 161; Randall, 2005, p. 161

Epinephelus poecilonatus (Temminck and Schlegel, 1842)

Raj, 1981, p. 9 (as ?); Carpenter and Niem, 1999, p. 2515

Epinephelus polyphkadion Bleeker, 1849

Raj, 1981, p. 9 (as *Epinephelus microdon*); Carpenter and Niem, 1999, p. 2516; Earle, 2004, p.2

**Epinephelus quoyanus* (Valenciennes, 1830)

Fischer and Whitehead, 1974, Vol. IV (as *Epinephelus megachir*). Doubtful record as it is not found from the islands of Micronesia, Melanesia and Polynesia (Heemstra and Randall, 1993).

Epinephelus retouti Bleeker, 1868

Heemstra and Randall, 1993, p. 225

**Epinephelus septemfasciatus* (Thunberg, 1793)

Raj and Seeto, 1984. Randall and Heemstra (1991) say this is found in south-east Asia and Australia. Heemstra and Randall (1993) say it is found in Japan, China and Korea only. Raj and Seeto

(1984) confused this with *Epinephelus malabaricus* and *Epinephelus cylindricus*. Zug *et al.*, 1988, p. 14 (Rotuma)

**Epinephelus sexfasciatus* Kuhl and Van Hasselt in Cuvier and Valenciennes, 1828

Williams, 1997, p. 14 (as *Plectropoma sexfasciatus*). Probably not found in Fiji.

Epinephelus spilotoceps Schultz, 1953

Zug *et al.*, 1988, p. 14

**Epinephelus summana* (Forsskål, 1775)

Kner, 1869, p. 297 (as *Serranus summana*); Schmeltz, 1869, p. 12 (as *Serranus summana*); Pöhl, 1879, p. 37 (as *Serranus summana*). This is a Red Sea species and not found in Fiji.

Epinephelus tauvina (Forsskål, 1775)

Schmeltz, 1869, p. 12 (as ? *Serranus crapaou*); Carpenter and Niem, 1999, p. 2526; Nimmerfroh, 2006, p. 30

Epinephelus timorensis Randall and Allen, 1987

Raj and Seeto, 1984, (no page number) (as *Epinephelus* sp.); Carpenter and Niem, 1999, p. 2546

**Epinephelus trimaculatus* (Valenciennes, 1828)

Schmeltz, 1869, p. 12 (as *Serranus ura*). According to Randall and Heemstra (1991), this is a Chinese, Taiwanese and Japanese species. A doubtful record for Fiji.

**Epinephelus undulosus* (Quoy and Gaimard, 1824)

Gifford, 1951, p. 206 Randall and Heemstra 1991 p. 285 say this species is found only in S. E Asia to the Solomons. A doubtful record for Fiji.

Gracilia albomarginata (Fowler and Bean, 1930)

Randall and Heemstra, 1991 p. 289; Carpenter and Niem, 1999, p. 2530

Grammistes sexlineatus (Thunberg, 1792)

Schmeltz, 1869, p. 13 (as *Grammistes orientalis*)

Grammistops ocellatus Schultz, 1958

Carlson, 1975, p. 22 (as *Grammistes ocellatus*)

Holanthias sp.

Raj and Seeto, 1984

Liopropoma multilineatum Randall and Taylor, 1988

Randall and Taylor, 1988, p. 41; Randall, 2005, p. 172

Liopropoma susumi (Jordan and Seale, 1906)

Carlson, 1975, p. 24. Williams, 1997, p. 11 (as *Liopropoma lineata* Schultz, 1953)

Liopropoma tonstrinum Randall and Taylor, 1988

Randall and Taylor, 1988, p. 10; Randall, 2005, p. 172

- Luzonichthys waitei* (Fowler, 1931)
Allen *et al.*, 2003, p. 142
- Mirolabrichthys imeldae* Burgess 1977
www.amdareef.com/el_anthias.htm (11.6.02)
- **Mirolabrichthys* sp.
McGrouter, 1997, p. 6
- Plectranthias fijiensis* Raj and Seeto, 1983
Raj and Seeto, 1983, p. 15 (endemic)
- Plectranthias inermis* Randall, 1980
Williams, 1997, p. 14
- Plectranthias longimanus* (Weber, 1913)
Randall, 1980, p. 148; Randall, 2005, p. 138
- Plectranthias nanus* Randall, 1980
Williams, 1997, p. 14
- Plectranthias winniensis* (Tyler, 1966)
Williams, 1997, p. 14
- Plectropomus areolatus* (Rüppell, 1830)
Fischer and Whitehead, 1974, Vol. IV (as *P. truncatus*)
- **Plectropomus calcarifer* (Bloch, 1790)
Villaluz, 1972, p. 5. Not a valid name and not seen in Randall and Heemstra, 1991 or Heemstra and Randall, 1993. Probably is *Lates calcarifer* (barramundi) from the family Centropomidae which is also not found in Fiji.
- Plectropomus laevis* (Lacépède, 1801)
Lewis *et al.*, 1983a, pp. 7, 54 (as *P. melanoleucus*); Carpenter and Niem, 1999, p. 2532; Nimmerfroh, 2006, p. 30
- Plectropomus leopardus* (Lacépède, 1802)
Boulenger, 1895, p. 161; Carpenter and Niem, 1999, p. 2533; Earle, 2004, p.2; Randall, 2005, p. 166.
- **Plectropomus maculatus* (Bloch, 1790)
Schmeltz, 1869, p. 12 (as *Plectropoma maculatum*); Greenberg, 1985, p. 1; UVC 1995 show this species to be in Fiji, which Veitayaki *et al.*, (1996, p. 44) concurred. However, Randall and Hoese (1986) and Heemstra and Randall, (1993) show that this species does not reach Fiji. A doubtful record from Fiji.
- Plectropomus pessuliferus pessuliferus* (Fowler, 1904)
Lewis *et al.*, 1983a, p. 51 (as *Plectropomus* n. sp.). Randall and Hoese, 1986, p. 18; Carpenter and Niem, 1999, p. 2536; Allen *et al.*, 2003, p. 165; Randall, 2005, p. 166
- **Pseudanthias* sp.
Carlson, 1975, p. 26; McGrouter, 1997, p. 8
- Pseudanthias carlsoni* Randall and Pyle, 2001
Randall and Pyle, 2001, pp. 19, 20; Randall, 2005, p. 140 (type locality Fiji)
- Pseudanthias cooperi* (Regan, 1902)
Carlson, 1975, *pers. comm.* (as *Anthias kashiwae* (Tanaka, 1918)
- Pseudanthias dispar* (Herre, 1955)
Carlson, 1975, p. 25 (as *Anthias dispar*); Randall, 2005, p. 141
- Pseudanthias flavicauda* Randall and Pyle, 2001
Randall and Pyle, 2001, p. 23; Randall, 2005, p. 141; <http://intreasures.com/fijimf.html> (as endemic).
- Pseudanthias huchtii* (Bleeker, 1857)
Greenberg, 1985, p. 1; Rosseler, 1993, p. 67
- Pseudanthias hypselosoma* Bleeker, 1878
Carlson, 1985, *pers. comm.* (as *Anthias truncata* (Katayama, 1957)
- Pseudanthias lori* (Lubbock and Randall, 1976)
Randall and Lubbock, 1981, p. 13 (as *Anthias lori*)
- Pseudanthias pascalus* (Jordan and Tanaka, 1927)
Randall and Lubbock, 1981, p. 8 (as *Anthias pascalus*); Earle, 2004, p.2; Randall, 2005, p. 144
- Pseudanthias pictilis* (Randall and Allen, 1978)
Carlson, 1985, *pers. comm.* (as *Anthias pictilis*); www.amdareef.com/el_anthias.htm
- Pseudanthias pleurotaenia* (Bleeker, 1857)
Richards *et al.*, 1994, p. 33 (not listed from Fiji by Randall and Lubbock); Brown, 1993, p. 66 (as *Anthias pleurotaenia*- female) and p. 68 (male); www.amdareef.com/el_anthias.htm
- Pseudanthias rubrizonatus* (Randall, 1983)
Randall, Allen and Steene, 1990, p. 97
- **Pseudanthias* sp
McGrouter, 1997, p. 1 (as *Anthias* sp)
- Pseudanthias squamipinnis* (Peters, 1855)
Carlson, 1975, p. 25 (as *Anthias squamipinnis*); Earle, 2004, p. 2; Randall, 2005, p. 146
- Pseudanthias tuka* (Herre and Montalban, 1927)
Carlson, 1975, p. 25 (as *Anthias tuka*)
- Pseudanthias ventralis* (Randall, 1979)
Williams, 1997, p. 2
- Pseudogramma astigmum* Randall and Baldwin, 1997
Randall and Baldwin, 1997, p. 15
- Pseudogramma polyacantha* (Bleeker, 1856)

Kner, 1869, p. 717; Nair, 2003, p. 59 (as *Pseudogramma polyacanthum*)

Saloptia powelli Smith, 1964

Raj, 1981, p. 9; Carpenter and Niem, 1999, p. 2537

Serranocirrhitis latus (Watanabe, 1949)

Randall, Allen and Steene, 1990, p. 99; Earle, 2004, p.2; Randall, 2005, p. 147

Sphyraenops bairdianus (Poey, 1856-61)

Raj and Seeto, 1984, (no page number)

Suttonia lineata Gosline, 1960

Randall and Baldwin, 1997, p. 51

**Suttonia suttoni* Smith, 1953

Royal Ontario Museum Records (Great Astrolabe Reef Collection)

Not found in Fiji (East Africa).

Variola albimarginatus Baissac, 1952

Anon., 1983b, p.11; Carpenter and Niem, 1999, p. 2538; Earle, 2004, p.2

Variola louti (Forsskål, 1775)

Fischer and Whitehead, 1974, Vol. IV.; Carpenter and Niem, 1999, p. 2538; Earle, 2004, p.2

Xenanthias sp

McGroutter, 1997, p. 10

Teraponidae (Grunters)

Leiopotherapon unicolor (Günther, 1859)

Jordan and Seale, 1906, p. 266; Whitley, 1927, p. 5 (as *Terapon unicolor*). According to Vari (1978, p. 233), the distribution of *L. unicolor* in Fiji, either naturally or as an introduction, appears unsubstantiated. Kner (1868) also lists *Terapon unicolor* from Kadavu but Fowler, 1928, p. 211 says it refers to *Kuhlia rupestris*.

**Mesopristes argenteus* (Cuvier, 1829)

Jordan and Seale, 1906, p. 266; Whitley, 1927, p. 5 (as *Terapon argenteus*). Vari (1978, p. 272) states: 'the inclusion of *M. argenteus* in the Fijian fauna appears to be erroneous'.

Mesopristes kneri (Bleeker, 1873)

Kner, 1868, p. 299 (as *T. argenteus* non Cuvier); An endemic species that was thought to be found in Yaeyama Island by Sakai and Sato (1982), but it was a mis-identification.

**Pelates quadrilineatus* (Bloch, 1790)

Whitley, 1927a, p. 5; Fischer and Whitehead, 1974, Vol. IV; McGroutter, 1997, p. 7. According to Vari (1978, p. 251), it is likely that the original record was either an error in identification or locality.

**Pelates sexlineatus* (Quoy and Gaimard, 1824)

Schmeltz, 1869, p. 13 (as *Pelates cuvierii*); Fischer and Whitehead,

1974, Vol. IV (as *Helotes sexlineatus*). Vari (1978, p. 251) notes that records of *P. sexlineatus* around Fiji are 'unsubstantiated'.

**Rhyncopelates oxyrhynchus* (Temminck and Schlegel, 1842)

Günther, 1880, p. 34 (as *Therapon oxyrhynchus*). Vari (1978, p. 269) notes that the original record of *R. oxyrhynchus* from Ovalau, Fiji, appears to be 'in error'.

Terapon jarbua (Forsskål, 1775)

Günther, 1874, 2-3, p. 26 (as *Therapon servus*); Carpenter and Niem, 2001, p. 3314

Terapon theraps (Cuvier, 1829)

Fischer and Whitehead, 1974, Vol. IV (*Therapon theraps*). A doubtful record for Fiji but Zug *et al.*, (1988, p. 15) noted it from Rotuma.

Centrarchidae (Bass)

Micropterus dolomieu Lacépède, 1802

Devambe, 1964, p. 28 (introduced)

Micropterus salmoides (Lacépède, 1802)

Anon., 1962, p. 56 (introduced)

Mullidae (Goatfishes)

**Mulloidichthys auriflamma* Forsskål, 1775) which is the junior synonym of *Pseudupeneus forsskali* Fourmanoir and Guézé, 1976; may be found here.

Mulloidichthys flavolineatus (Lacépède, 1801)

Schmeltz, 1869, p. 14 (as *M. japonicus*); Carpenter and Niem, 2001, p. 3181. *Mulloidichthys samoensis* (Günther, 1874) is a junior synonym.

Mulloidichthys pflugeri (Steindachner, 1900)

Raj and Seeto, 1984

Mulloidichthys vanicolensis (Cuvier and Valenciennes, 1831)

Whitley, 1927a, p. 6; Carpenter and Niem, 2001, p. 3183

Parupeneus atrocingulatus (Kner in Steindachner and Kner, 1870)

Williams, 1997, p. 13

**Parupeneus barberinoides* (Bleeker, 1852)

Carlson, 1975, p. 34; Carpenter and Niem, 2001, p. 3184; Brown, 2006, p. 47. Randall (2004) is of the opinion that this species is not found in Fiji.

Parupeneus barberinus (Lacépède, 1801)

Schmeltz, 1869, p. 14 (as *Upeneus barberinus*); Carpenter and Niem, 2001, p. 3185; Earle, 2004, p.3

**Parupeneus bifasciatus* (Lacépède, 1801)

Williams, 1997, p. 13 (as *Parupeneus moana*); Lewis (n. d.) Fisheries photo; Carpenter and Niem, 2001, p. 3186. *Parupeneus trifasciatus* is the senior synonym but is now only found in East Africa (Randall and Myers, 2002). The species found here and called this name

previously, is probably *Parupeneus crassilabris*.

Parupeneus ciliatus (Lacépède, 1801)

Kner, 1868, p. 305 (*Parupeneus taeniatus* (Kner, 1868); Fowler, 1928, p. 229 (as *P. spilurus*); Royal Ontario Museum Records (Great Astrolabe Reef Collection); Carpenter and Niem, 2001, p. 3187; Randall, 2004, p. 19. *Parupeneus fraterculus* and *P. pleurotaenia* are synonyms. Randall, 2004 says *P. taeniatus* is also a synonym.

Parupeneus crassilabris Valenciennes in Cuvier and Valenciennes, 1831

Randall and Myers, 2002, p. 437; Earle, 2004, p.3; Randall, 2004, p. 19; Randall, 2005, p. 295

Parupeneus cyclostomus (Lacépède, 1801)

Weber and de Beaufort, 1931, 6, p. 404 (as *Parupeneus chryserydros* (Lacépède, 1801); Zug *et al.*, 1988, p. 12 (Rotuma); Carpenter and Niem, 2001, p. 3188; Randall, 2004, p. 24; Earle, 2004, p.3

Parupeneus heptacanthus (Lacépède, 1801)

Raj, 1981, p. 9 (as *P. pleurospilos*); Carpenter and Niem, 2001, p. 3189; Randall, 2004, p. 29; Randall and Heemstra, 2009, p. 39

Parupeneus indicus (Shaw, 1803)

Kner, 1868, p. 27 (as *Upeneus griseofrenatus*); Günther, 1873 -1910, 1, p. 58 (as *Parupeneus malabaricus* (Cuvier and Valenciennes, 1829); Carpenter and Niem, 2001, p. 3190; Randall, 2004, p. 33

**Parupeneus janseni* (Bleeker, 1856)

Carlson, 1975, p. 91. Its presence in Fiji is questionable according to Randall (2004).

**Parupeneus macronemus* (Lacépède, 1802)

Emery and Winterbottom, 1983, p. 8. This should be corrected to *P. barberinus* (R. Winterbottom, *pers. comm.*). *Parupeneus macronemus* is an Indian Ocean species (Randall, 2004)

Parupeneus multifasciatus (Quoy and Gaimard, 1824)

Boulenger, 1897, p. 372 (as *Upeneus trifasciatus* non Lacépède); Carpenter and Niem, 2001, p. 3192; Randall, 2004, p. 40; Earle, 2004, p.3

Parupeneus pleurostigma (Bennett, 1830)

Carlson, 1975, p. 34; Carpenter and Niem, 2001, p. 3193; Randall, 2004, p. 46; Earle, 2004, p.3

**Parupeneus porphyreus* Jenkins, 1902

Carcasson, 1977, p. 142. However, Randall, 2004 says this is a Hawaiian species.

**Parupeneus spilurus* (Bleeker, 1854)

Schmeltz, 1869, p. 14 (as *Upeneus spilurus*). Its presence in Fiji is questionable, according to Randall (2004).

Upeneus arge Jordan & Evermann 1903

Fishbase (2003); Carpenter and Niem, 2001, p. 3195. See *Upeneus taeniopterus* below.

Upeneus moluccensis Bleeker, 1855

Fischer and Whitehead, 1974, Vol. III

Upeneus subvittatus (Temminck and Schelegel, 1843)

J. Seeto, *pers. comm.* Specimen at the Marine Reference collection at USP.

Upeneus sundaicus Bleeker, 1855

Blaber *et al.*, 1993b, p. 108

Upeneus sulphureus Cuvier, 1829

Kendall and Goldsborough, 1911, p. 293; Carpenter and Niem, 2001, p. 3197; Randall, 2005, p. 300; Randall and Kulbicki, 2006, p. 305

Upeneus taeniopterus Cuvier, 1829

Anon., 1983b, p. 12 (as *U. arge*)

Upeneus tragula Richardson, 1846

Fischer and Whitehead, 1974, Vol. III;

Upeneus vittatus (Forsskål, 1775)

Schmeltz, 1869, p. 14 (as *Upeneoides vittatus*); Carpenter and Niem, 2001, p. 3200; Boseto, 2005, p. 199; Randall and Kulbicki, 2006, p. 306

Atherinidae (Silversides)

Atherion elymus Jordan and Starcks, 1901

Williams, 1997, p. 3

Atherinomorus endrachtensis (Quoy and Gaimard, 1824)

Whitley, 1927a, p. 4. (as *Atherina endrachtensis*) According to Walter Ivantsoff from Macquarie University, NSW, Australia, there are no reliable records to confirm the presence of this species in Fiji. Blaber *et al.*, 1993b, p. 104. This species probably refers to *H. temminckii*.

Atherinomorus lacunosus (Bloch and Schneider, 1801)

Günther, 1880, p. 36. The common junior synonyms are *Praneus pinguis* and *Atherina forskalii*.

Hypoatherina barnesi Schultz, 1953

Lewis *et al.*, 1983c, p. 42

Hypoatherina ovalaua (Herre, 1935)

Herre, 1935, p. 401 (as *Atherina ovalaua*); Randall, 2005, p. 79

Hypoatherina temminckii (Bleeker, 1853)

Schmeltz, 1869, p. 20 (as *Atherina brachyptera*)

Stenatherina panatela (Jordan and Richardson, 1908)

Whitley, 1927a, p. 4 (as *Atherina brachyptera*); Fishbase 2009, p. 18

Dentatherinidae

Dentatherina merceri Patten and Ivantsoff, 1983

Williams, 1997, p. 6

Sphyraenidae (Barracudas)

Sphyraena acutipinnis Day, 1876

Blaber *et al.*, 1993a, p. 53; Blaber *et al.*, 1993b, p. 110; Carpenter and Niem, 2001 (Volume 6), p. 3689

Sphyraena barracuda (Walbaum, 1792)

Schmeltz, 1869, p. 17 (as *S. commersonii* Cuvier in Cuvier and Valenciennes, 1829); Chapman, Taumaia and Preston, 1984, p. 15 (as *Sphyraena picuda* Bloch, 1801); Carpenter and Niem, 2001 (Volume 6), p. 3690

Sphyraena chrysotaenia Klunzinger, 1889

McGrouter, 1997, p. 9

Sphyraena flavicauda Rüppell, 1838

Fowler, 1928, p. 131 (as *S langsar*).

Sphyraena forsteri Cuvier, 1829

Kendall and Goldsborough, 1911, p. 262; Carpenter and Niem, 2001 (Volume 6), p. 3692

Sphyraena helleri Jenkins, 1901

Carpenter and Niem, 2001 (Volume 6), p. 3693; Nimmerfroh, 2006, p. 247. Confusion within *S. acutipinnis* Day, 1876 (valid).

Sphyraena japonica Cuvier, 1829

Chapman, Taumaia and Preston, 1984, p. 15

Sphyraena jello Cuvier, 1829

Brown, 1993, p. 36; Randall, 2005, p. 608

Sphyraena novaehollandiae Günther, 1860

Whitley, 1927a, p. 4

Sphyraena obtusata Cuvier, 1829

Günther, 1873 - 1910, 6, p. 212; Boseto, 2005, p. 199. This may be the same as *S. flavicauda*.

Sphyraena putnamiae Jordan and Seale, 1905

Anon., 1982b, p. 86; JICA, 1987, p. 111 (Volume 2). Fiji or Tuvalu; Lewis, 1988, p. 10 (as *Sphyraena bleekeri* Williams, 1959); Fishbase 2009, p. 17

Sphyraena qenie Klunzinger, 1870

Mead, 1980, pp. 11, 14; Carpenter and Niem, 2001 (Volume 6), p. 3697; Nimmerfroh, 2006, p. 240

Mugilidae (Mulletts)

Cestraeus oxyrhynchus Valenciennes, 1836

Fishbase-10-June-1996

Cestraeus plicatilis Cuvier and Valenciennes, 1836

Macdonald, 1869, p. 38 (as *Gonostomyx loa-loa*); Schmeltz, 1881, p. 6 (as *Agonostoma plikatile*)

Chaenomugil leuciscus (Günther, 1871)

Carlson, 1975, p. 52; Williams, 1997, p. 12 (as *Neomyxus chaptalii*)

Crenimugil crenilabis (Forsskål, 1775)

Carlson, 1975, p. 51

Crenimugil labiosus (Valenciennes, 1836)

Blaber *et al.*, 1993b, p. 108

**Liza argentea* (Quoy and Gaimard, 1842)

Carcasson, 1977, p. 84. A questionable record for Fiji, as this is a South Australian species.

Liza macrolepis (Smith, 1849)

Günther, 1873 - 1910, 6, p. 217 (as *Mugil compressus*); Schmeltz, 1879, p. 50 (as *M. troscheli*); Boseto, 2005, p. 198 (as *Chelon macrolepis*)

Liza melinoptera (Valenciennes, 1836)

Jordan and Dickerson, 1908, p. 607, Boseto, 2005, p. 198

Liza oligolepis (Bleeker, 1859)

Herre, 1936, p. 95

Liza subviridis (Valenciennes, 1836)

Herre, 1936, p. 92 (as *Mugil dussumieri*), Boseto, 2005, p. 198

Liza tade (Forsskål, 1775)

Günther, 1873 - 1910, 6, p. 215 (as *Mugil kandavensis*); Schmeltz, 1879, p. 51 (as *M. kandavensis*)

Ellochelon vaigensis (Quoy and Gaimard, 1824)

Kendall and Goldsborough, 1911, p. 257 (as *Lisa vaigensis*); Boseto, 2005, p. 199 (as *Liza vaigensis*)

Mugil broussonneti Valenciennes, 1836

Carpenter, K. E. and Niem, V. H. 1999b, p. 2095

Mugil cephalus Linnaeus, 1758

Thurston, 1881, p. 21; Boseto, 2005, p. 199

Mugil trichilus Vaillant and Sauvage, 1875

Fowler, 1928, p. 123

**Oedalechilus* sp.

Blaber *et al.*, 1993b, p. 108. This record could belong to *Oedalechilus labiosus* (Val., 1836).

Oedalechilus labiosus (Valenciennes, 1836)

Williams, 1997, p. 12

Valamugil buchanani (Bleeker, 1853)

Anon., 1981, p. 91

Valamugil cunnesius (Valenciennes, 1836)

Carpenter, K. E. and Niem, V. H. 1999b, p. 2103; Boseto, 2005, p. 199

Valamugil engeli (Bleeker, 1858)

Zug *et al.*, 1988, p. 12; Boseto, 2005, p. 199

Valamugil seheli (Forsskål, 1775)

Günther, 1873 -1910, 6, p. 216 (as *Mugil parsia* non Buchanan-Hamilton); Boseto, 2005, p. 199

Polynemidae (Threadfin Breams)

Polynemus microstomus (Bleeker, 1851)

Lal, *et al.*, 1983, p. 29; Boseto, 2005, p. 199; Fishbase 2009, p. 14 (as *Polydactylus microstomus*)

Polynemus plebeius Broussonet, 1782

Jordan and Dickerson, 1908, p. 607 (as *Polydactylus plebeius*); Carpenter and Niem, 2001, p. 3110; Boseto, 2005, p. 199

Polydactylus sexfilis (Valenciennes, 1831)

Carpenter and Niem, 2001, p. 3111

Polynemus sextarius Schneider, 1801

J. Seeto, *pers. comm.*; specimen at Marine Reference collection at USP.

Gerreidae (Mojarras)

Gerres abbreviatus Bleeker, 1850

Fischer and Whitehead, 1974, Vol. II.

Gerres argyreus (Bloch and Schneider, 1801)

McGrouter, 1997, p. 5; Carpenter and Niem, 2001, p. 2950; Fischer and Whitehead, 1974 say *G. argyreus* may be the same as *Gerres oyena*.

Gerres filamentosus Cuvier, 1829

Herre, 1936, p. 207 (as *G. macracanthus*)

Gerres kapas Bleeker, 1851

Jordan and Dickerson, 1908, p. 610 (as *Xystaema kapas*)

Gerres longirostris (Lacepede, 1801)

Boseto, 2005, p. 198

Gerres macrosoma Bleeker, 1854

Fowler, 1929, p. 7

Gerres oblongus Cuvier, 1830

Günther, 1874, 1, p. 30 (as *G. gigas*); Carpenter and Niem, 2001, p. 2955

Gerres oyena (Forsskål, 1775)

Günther, 1880, pp. 34, 58; Carpenter and Niem, 2001, p. 2956

Gerres poiети (Cuvier, 1830)

Blaber *et al.*, 1993b, p. 106;

**Gerres* sp

Williams, 1997, p. 8

Leiognathidae (Ponyfishes)

Gazza minuata (Bloch, 1797)

Whitley, 1927a, p. 4

Leiognathus bindus (Valenciennes, 1835)

Fischer and Whitehead, 1974, Vol. II

Leiognathus dussumieri (Valenciennes, 1835)

Herre, 1936, p. 118

**Leiognathus elongatus* (Günther, 1874)

Specimens at the Marine Reference collection at USP.

Leiognathus equulus (Forsskål, 1775)

Jordan and Dickerson, 1908, p. 610 (as *L. edentula*); Carpenter and Niem, 2001, pp. 2808

Leiognathus fasciatus (Lacépède, 1803)

Günther, 1880, p. 35 (as *Equula fasciata*); Carpenter and Niem, 2001, pp. 2809; Randall, 2005, p. 240

Leiognathus longispinis (Valenciennes, 1835)

Carpenter and Niem, 2001, pp. 2811

Leiognathus smithursti (Ramsey and Ogilby, 1886) ... this may belong to *L. fasciatus*.

Jordan and Dickerson, 1908, p. 610

Leiognathus splendens (Cuvier, 1829)

Kendall and Goldsborough, 1911, p. 274; Carpenter and Niem, 2001, pp. 2815; Randall, 2005, p. 240; Fishbase 2009, p. 8 (as *Eubleekeria splendens*)

Leiognathus sp (of Jones, 1985)

Jones, G. 1985, p. 295; Blaber *et al.*, 1993b, p. 107

**Secutor ruconius* (Hamilton-Buchanan, 1822)

Fischer and Whitehead, 1974, Vol. II. A doubtful record for Fiji.

Bramidae (Pomfrets)

Brama dussumieri Cuvier in Cuvier and Valenciennes, 1831

Williams, 1997, p. 4; Carpenter and Niem, 2001, pp. 2831

Brama japonica (Hilgendorf, 1878)

Carlson, 1975, p. 89

Brama myersi Mead, 1972

Carpenter and Niem, 2001, pp. 2833

Brama orcini Cuvier, 1831

Mead, 1972, pp. 73, 148; Carpenter and Niem, 2001, pp. 2812

Eumegistus illustris Jordan and Jordan, 1922

Raj and Seeto, 1984; Fishbase 2009, p. 8

Pteraclis aesticola (Jordan and Snyder, 1901)

Carpenter and Niem, 2001, pp. 2834

Pterycombus petersii (Hilgendorf, 1878)

Carpenter and Niem, 2001, pp. 2835

Taractes rubescens (Jordan and Jordan, 1887)

Carpenter and Niem, 2001, pp. 2836

Taractichthys steindachneri (Doderlein, 1883)

Carpenter and Niem, 2001, pp. 2836

Girellidae

Girellops sp.

Gifford, 1951, p. 210. This family is not currently known from Fiji. The record by Gifford (*lit. cit.*), followed by Fowler (1955b), is based upon bone fragments collected during excavations in Fiji.

Carangidae (Jacks and Trevallies)

Alectis ciliaris (Bloch, 1787)

Carlson, 1975, p. 88; Nimmerfroeh, 2006, p. 39

Alectis indicus (Rüppell, 1830)

Schmeltz, 1869, p. 17 (as *Caranx gallus* non Linnaeus)

Alepes djedaba (Forsskål, 1775)

Whitley, 1927a, p. 5 (as *Caranx parisitus*)

Alepes kleinii (Bloch, 1793)

Whitley, 1927, p. 5 (as *Caranx parasitus*)

Alepes melanoptera Swainson, 1839

Fisher and Whitehead, 1974, Vol I.

Atropus atropus (Bloch and Schneider, 1801)

Fischer and Whitehead, 1974, Vol. I.

Atule mate (Cuvier, 1833)

Fowler, 1928, p. 145; Carpenter and Niem, 1999, p. 2692

Carangichthys dinema (Bleeker, 1851)

Carlson, 1975, p. 27

Carangoides chrysophrys (Cuvier and Valenciennes, 1833)

Carlson, 1975, p. 89

Carangoides ciliaris (Rüppell, 1830)

Fischer and Whitehead, 1974, Vol I.

Carangoides coeruleopinnatus (Rüppell, 1830)

Mead, 1980, pp. 9, 12 (as *Carangoides caeruleopinnatus*); Carpenter and Niem, 1999, p. 2695; Randall, 2005, p. 223

Carangoides diversa (Whitley, 1940)

Carlson, 1975, p. 89

**Carangoides ferdau* (Forsskål, 1775)

Schmeltz, 1879, p. 45 (as *Caranx ferdau*); Pöhl, 1884, p. 10 (as *Caranx ferdau*); Fowler, 1928, p. 150; Fishbase-10-June-1996; Carpenter and Niem, 1999, p. 2699; Nair, 2003, p. 50. An unreliable record for this species in Fiji. It is probably replaced by *Carangoides orthogrammus* (= *C. jordani*) in the Western Pacific Ocean.

Carangoides hedlandensis (Whitley, 1934)

Anon., 1983c, (poster)

Carangoides malabaricus (Bloch and Schneider, 1801)

Fischer and Whitehead, 1974, Vol I.

Carangoides oblongus (Cuvier, 1833)

Lal *et al.*, 1983, p. 25; Carpenter and Niem, 1999, p. 2705; Randall, 2005, p. 226

Carangoides orthogrammus (Jordan and Gilbert, 1882)

Whitley, 1927a, p. 4 (as *Caranx jordani*); Carpenter and Niem, 1999, p. 2706

Carangoides plagiotænia Bleeker, 1857

Anon., 1981, p. 54; Chapman, Taumaia and Preston, 1984, p. 14 (*Carangoides compressus* Day, 1878); Carpenter and Niem, 1999, p. 2707

Caranx caballus Günther, 1868

Burgess *et al.*, 1988, p. 249. Circumtropical.

Caranx heberi (Bennett, 1830)

Fishbase-10-June-1996. This is probably the same as *C. sem* (below).

Caranx hippos Linnaeus, 1758

Burgess *et al.*, 1988, p.251. Circumtropical.

Caranx ignobilis (Forsskål, 1775)

Fischer and Whitehead, 1974, Vol I.; Boseto, 2005, p. 198; Carpenter and Niem, 1999, p. 2712; Earle, 2004, p.2

Caranx lugubris Poey, 1860

Mead, 1980, pp. 9, 12; Carpenter and Niem, 1999, p. 2713

Caranx melampygus Cuvier, 1833

Kendall and Goldsborough, 1911, p. 268; Carpenter and Niem, 1999, p. 2714; Earle, 2004, p.2

Caranx papuensis Alleyne and Macleay, 1877

Anon., 1981, pp. 54, 91; Carpenter and Niem, 1999, p. 2715; Boseto, 2005, p. 198

Caranx sansum (Forsskål, 1775)

Carlson, 1975, p. 88. Some authors think this species is the same as *C. papuensis*.

Caranx sem (Valenciennes, 1833)

Smith and Heemstra, 1986, p. 648

Caranx sexfasciatus Quoy and Gaimard, 1824

Jordan and Dickerson, 1908, p. 610 (as *C. fosteri*); Carpenter and Niem, 1999, p. 2716; Earle, 2004, p.2; Boseto, 2005, p. 198

Caranx tille Cuvier, 1833

Fischer and Whitehead, 1974, Vol. I; Carpenter and Niem, 1999, p. 2717; Randall, 2005, p. 231; Boseto, 2005, p. 198

Decapturus sp.

J. Seeto, *pers. comm.*, specimen at the Marine Reference collect at USP (un-catalogued)

Decapterus kurroides Bleeker, 1855

Carpenter and Niem, 1999, p. 2718

Decapterus macarellus (Cuvier, 1833)

Anon., 1984, p. 2; Carpenter and Niem, 1999, p. 2719

Decapterus macrosoma Bleeker, 1851

Fischer and Whitehead, 1974, Vol I.

Decapterus muroadsi (Temminck & Schlegel, 1842)

Fischer and Whitehead, 1974, Vol I. (as *Decapterus maruadsi*)

Decapterus pinnulatus (Eydous and Souleyet, 1841)

Uchida, 1978, p. 13. An unsubstantiated record for Fiji.

Decapterus russelli (Rüppell, 1830)

Blaber *et al.*, 1993b, p. 105

Decapterus tabl Berry, 1968

Burgess *et al.*, 1988, p.249 (Circumtropical); Nair, 2003 p. 50.

Elagatus bipinnulatus (Quoy and Gaimard, 1824)

Herre, 1953, p. 272; Carpenter and Niem, 1999, p. 2724; Earle, 2004, p.2

Gnathanodon speciosus (Forsskål, 1775)

Günther, 1880, p. 35 (as *Caranx speciosus*); Carpenter and Niem, 1999, p. 2725; Earle, 2004, p.2

Megalaspis cordyla (Linnaeus, 1758)

UNDP/FAO, 1974, p. 26; Fischer and Whitehead, 1974, Vol. I.; Randall, 2005, p. 234; Carpenter and Niem, 1999, p. 2726

Naucrates ductor (Linnaeus, 1758)

Fischer, 1978, Vol. I.

Scomberoides lysan (Forsskål, 1775)

Kendall and Goldsborough, 1911, p. 267 (as *S. tolooparah*); Schmeltz, 1869, p. 17 (as *Chorinemus sancti-petri*); Carpenter and Niem, 1999, p. 2732

Scomberoides tol (Cuvier, 1832)

Lee, 1973, p. 28; Fischer and Whitehead, 1974, Vol 1; Randall, Allen and Steene, 1990.(197) p. 165; Lewis (n.d.) Fisheries photo;

.Lieske and Myers, 1994, p. 42; ICLARM Fish Base; Carpenter and Niem, 1999, p. 2734; Randall, 2005, p. 235; Boseto, 2005, p. 198. According to Gushiken (1983, p. 161), *S. tol* is not found east of the New Guinea - Solomon region. Other reports suggested that this is not found in Fiji.

Selar boops (Cuvier and Valenciennes, 1833)

Fischer and Whitehead, 1974, Vol. I

Selar sp. (maybe *Selar boops*)

J. Seeto, *pers. comm.*; specimen at the Marine Reference collect at USP

Selar crumenophthalmus (Bloch, 1793)

Herre, 1936, p. 112 (as *Trachuroops macrophthalmus*); Carpenter and Niem, 1999, p. 2736

Selaroides leptolepis Kuhl and Van Hasselt in Valenciennes, 1833

Fischer and Whitehead, 1974, Vol I.

Seriola dumerili (Risso, 1810)

Carlson, 1975, p. 89 (as *S. purpurescens*); JICA, 1987, p. 111 (Volume 2). Fiji or Tuvalu.

Seriola rivoliana Valenciennes, 1833

Cavuilati, 1980, p. 14; Mead, 1980, pp. 9, 12

Seriolina nigrofasciata (Rüppell, 1829)

Fisher and Whitehead, 1974, Vol. I.; Lewis (n.d.) Fisheries photo.

Trachinotus bailloni (Lacépède, 1801)

Carlson, 1975, p. 27; Carpenter and Niem, 1999, p. 2745

Trachinotus blochii (Lacépède, 1801)

Fischer and Whitehead, 1974, Vol. I.

**Ulua mentalis* Ehrenberg in Valenciennes, 1833

Fischer and Whitehead, 1974, Vol. I. A doubtful record for Fiji.

Uraspis helvola (Forster, 1801)

Fischer and Whitehead, 1974, Vol. I; .Fishbase-10-June-1996. A doubtful record from Fiji; Randy Thaman photographed a specimen at the Raiwaqa market in January 2007.

Coryphaenidae (Dolphinfish)

Coryphaena equiselis Linnaeus, 1758

Fischer and Whitehead, 1974, Vol. II.; Carpenter and Niem, 1999, p. 2657

Coryphaena hippurus Linnaeus, 1758

Hornell, 1940, p. 21, 86; Carpenter and Niem, 1999, p. 2658

Menidae (Moonfish)

Mene maculata (Bloch and Schneider, 1801)

Carlson, 1975, p. 29

Lactariidae (False trevallies)

Lactarius lactarius (Bloch and Schneider, 1801)
Carlson, 1975, p. 22; Carpenter and Niem, 1999, p. 2649

Centrolophidae (Medusafishes)

Hyperoglyphe antarctica (Carmichael, 1819)
JICA, 1987, p. 111 (Volume 2). Fiji or Tuvalu. This fish is now regularly caught by longline fishing south of Fiji's Exclusive Economic Zone.

Nomeidae (Driftfishes)

Cubiceps baxteri McCulloch, 1923
Carpenter and Niem, 2001 (Volume 6), p. 3777

Cubiceps caeruleus Regan, 1914.
Nair, 2003, p. 61 (as *Cubiceps caeruleus*)

Cubiceps capensis (Smith, 1849)
Carpenter and Niem, 2001 (Volume 6), p. 3777

Cubiceps pauciradiatus Gunther, 1872
Carpenter and Niem, 2001 (Volume 6), p. 3778

Nomeus gronovii (Gmelin, 1789)
Burgess *et al.*, 1988, p. 606 (Circumtropical); Carpenter and Niem, 2001 (Volume 6), p. 3778

Psenes arafurensis Gunther, 1889
Carpenter and Niem, 2001 (Volume 6), p. 3778

Psenes cyanophrys Cuvier and Valenciennes, 1833
Carpenter and Niem, 2001 (Volume 6), p. 3779

Psenes pellucidus Lütken, 1880
Burgess *et al.*, 1988, p. 606 (Circumtropical); Carpenter and Niem, 2001 (Volume 6), p. 3779

Ariommidae

Ariomma evermanni Jordan and Snyder, 1907
Raj and Seeto, 1984

Ariomma indicum (Day, 1870)
Blaber *et al.*, 1993b, p. 104; Milton, Rawlinson, and Sesewa, 1993, p. 94 (as *A. indica*)

Echeneidae (Suckerfish)

Echeneis naucrates Linnaeus, 1758
Günther, 1888, p. 18; Carpenter and Niem, 1999, p. 2654; Earle, 2004, p.2

Echeneis naucratoides Duméril, 1858
Burgess *et al.*, 1988, p. 244. Circumtropical.

Remora remora (Linnaeus, 1758)
Jordan and Dickerson, 1908, p. 617; Earle, 2004, p.2

Scombridae (Mackerels and Tunas)

Acanthocybium solandri (Cuvier, 1831)

Wright, 1969, p. 221; Carpenter and Niem, 2001 (Volume 6), p. 3727

**Auxis rochei* (Risso, 1810)
Fischer and Whitehead, 1974, Vol. IV. A doubtful record for Fiji.

Auxis thazard (Lacépède, 1800-1801)
UNDP/FAO, 1974, p. 26; Fischer and Whitehead, 1974, Vol. IV; Nair, 2003, p. 60 (as *Auxis thazard thazard*)

Euthynnus affinis (Cantor, 1849)
Lee, 1973, p. 30 (as *E. yaito*)

Grammatorcynus bilineatus (Rüppell, 1836)
UNDP/FAO, 1974, p. 26 (as *G. bicarinatus* non Quoy and Gaimard); Carpenter and Niem, 2001 (Volume 6), p. 3734; Randall, 2005, p. 610

Gymnosarda unicolor (Rüppell, 1838)
UNDP/FAO, 1974, p. 26 (as *G. nuda*)

Katsuwonus pelamis (Linnaeus, 1758)
Hornell, 1940, pp. 21, 86; Carpenter and Niem, 2001 (Volume 6), p. 3736

Rastrelliger brachysoma (Bleeker, 1851)
Jordan and Dickerson, 1908, p. 609; Carpenter and Niem, 2001 (Volume 6), p. 3737

Rastrelliger faughni Matsui, 1967
Lewis *et al.*, 1983a, p. 4; Carpenter and Niem, 2001 (Volume 6), p. 3738

Rastrelliger kanagurta (Cuvier, 1829-1816)
Günther, 1873 - 1910, 5, p. 149; Carpenter and Niem, 2001 (Volume 6), p. 3739

**Scomber australasicus* Cuvier, 1831
Fischer and Whitehead, 1974, Vol. IV. A doubtful record for Fiji.

Scomberomorus commerson (Lacépède, 1800)
Jordan and Dickerson, 1908, p. 610; Carpenter and Niem, 2001 (Volume 6), p. 3743; Randall, 2005, p. 611

Scomberomorus queenslandicus Munro, 1943
Colette and Russo, 1978, p. 13

Thunnus alalunga (Bonnaterre, 1788)
Fischer and Whitehead, 1974, Vol. IV; Carpenter and Niem, 2001 (Volume 6), p. 3752

Thunnus albacares (Bonnaterre, 1788)
Hornell, 1940, pp. 2, 87 (as *Neothunnus macropterus*); Carpenter and Niem, 2001 (Volume 6), p. 3753

Thunnus maccoyi (Castelnau, 1872)
Fiji Post, 1995, December 5th p. 5

Thunnus obesus (Lowe, 1839)

Anon., 1980, p. 90; Carpenter and Niem, 2001 (Volume 6), p. 3755

Thunnus thunnus (Linnaeus, 1758)

Burgess *et al.*, 1988, p. 601. Circumglobal. A doubtful record for Fiji.

Gempylidae (Snake Mackerels or Castor Oil fish)

Diplospinus multistriatus Maul, 1948

Nakamura and Parin, 1993, p. 25; Carpenter and Niem, 2001 (Volume 6), p. 3705

Gempylus serpens Cuvier, 1829

Burgess *et al.*, 1988, p. 601 (Circumtropical); Nakamura and Parin, 1993, p. 28; Carpenter and Niem, 2001 (Volume 6), p. 3705

Lepidocybium flavobrunneum (Smith, 1843-49)

Lewis (n.d.) Fisheries Photo; Nakamura and Parin, 1993, p. 29; Carpenter and Niem, 2001 (Volume 6), p. 3703

Nealotus tripes Johnson, 1865

Nakamura and Parin, 1993, 31; Carpenter and Niem, 2001 (Volume 6), p. 3705

Neopinnula orientalis (Gilchrist et von Bonde)

JICA, 1987, p. 111 (Volume 2). Fiji or Tuvalu; Nair, 2003, p. 64; Fishbase 2009, p. 13.

Promethichthys prometheus (Cuvier in Cuvier and Valenciennes, 1832)

Carlson, 1975, p. 72

Rexea antefurcata Parin, 1989

Nakamura and Parin, 1993, 44; Carpenter and Niem, 2001 (Volume 6), p. 3707

Rexea prometheoides (Bleeker, 1856)

JICA, 1987, p. 111 (Volume 2). Fiji or Tuvalu; Fishbase 2009, p. 16

Ruvettus pretiosus Cocco, 1829

Anon., 1980, p. 90; Carpenter and Niem, 2001 (Volume 6), p. 3708

Thyrstoides marleyi Fowler, 1929

Anon., 1982a, p. 70

Tongaichthys robustus Nakamura and Fuji, 1983

JICA, 1987, p. 111. Fiji or Tuvalu; Nakamura and Parin, 1993, p. 60; Carpenter and Niem, 2001 (Volume 6), p. 3708; Fishbase 2009, p. 18

Chauliodontidae (Viperfish)

Unidentified (?*Argyropelicus* sp.)

ORSTOM trip to Bligh waters (August, 1998). Specimen uncatalogued at the Marine Reference collection, USP.

Melanostomidae (scaleless black dragonfish)

?*Melanostomias* sp

ORSTOM trip to Bligh waters (August, 1998). Specimen with Peter Newell. Same data as above; from 780 m.

Istiophoridae (Marlins and Billfishes)

Istiophorus orientalis (Temminck and Schlegel, 1844)

Fowler, 1959, p. 583 (as *I. gladius*)

Istiophorus platypterus (Shaw and Nodder, 1791-92)

Anon., 1980, p. 90; Jones and Kumaran, (1962?), 1980, p. 590; Carpenter and Niem, 2001 (Volume 6), p. 3764

Makaira ampla (Poey, 1860)

Fiji Times, 21 August, 1971, p. 10

Makaira indica (Cuvier, 1831-32)

Anon., 1980, p. 90; Carpenter and Niem, 2001 (Volume 6), p. 3764

Makaira mazara (Jordan and Snyder, 1901)

Jones and Kumaran, (1962?)1980, p. 489; Carpenter and Niem, 2001 (Volume 6), p. 3762

Makaira nigricans Lacépède, 1803

Anon., 1980, p. 90

Tetrapterus albidus Poey, 1860

Anon., 1980, p. 90

Tetrapterus angustirostris Tanaka, 1915

Anon., 1980, p. 90; Carpenter and Niem, 2001 (Volume 6), p. 3764

Tetrapterus audax (Philippi, 1887)

Jones and Kumaran, 1962 (or 1980), p. 489 (as *Makaira mitsukurii*); Ueyanagi, 1962, p. 518 (as *Makaira mitsukurii*); Carpenter and Niem, 2001 (Volume 6), p. 3763; Nair, 2003, p. 61 (as *Tetrapturus audax*)

Xiphiidae (Sailfish)

Xiphias gladius Linnaeus, 1758

Thurston, 1881, p. 22; Carpenter and Niem, 2001 (Volume 6), p. 3757

Trichiuridae (Cutlass fish or Belt fish)

**Lepuracanthus savala* (Cuvier, 1829)

Fischer and Whitehead, 1974, Vol. IV. A doubtful record for Fiji.

Trichiurus lepturus Linnaeus 1758

Hornell, 1940, p. 87 (as *Trichiurus haumela* (Forsskål, 1775); Nakamura and Parin, 1993, p. 106; Blaber *et al.*, 1993a, p. 60; Blaber *et al.*, 1993, p. 110; Boseto, 2005, p. 199

Emmelichthyidae (Bonnetmouth)

Erythrocles schlegeli Richardson, 1846

Specimen seen in Cakaudrove Fisheries 1999; Randy Thaman took a photo Feb 2006 at the same place

Caesionidae (Fusiliers)

Caesio caerulea Lacépède, 1801

Fischer and Whitehead, 1974, Vol. II. (as *C. caerulea*); Carpenter and Niem, 2001, p. 2926; Earle, 2004, p.2

Caesio cuning (Bloch, 1791)

Schmeltz, 1869, p. 13 (as *Odontonectes erythrogaster*)

Caesio lunaris Cuvier, 1830

Emery and Winterbottom, 1983, p. 13

Caesio teres Seale, 1906

Carpenter, 1987, p. 20; Carpenter and Niem, 2001, p. 2929; Earle, 2004, p.2

Dipterygonotus balteatus (Valenciennes, 1830)

Kearney, 1978, p. 7 (as *D. gymnopterus* Bleeker, 1856)

Gymnocaesio gymnoptera (Bleeker, 1856)

Carpenter, 1987, p. 51; Carpenter and Niem, 2001, p. 2932; Randall, 2005, p. 260

Pterocaesio chrysozona Cuvier, 1830

Fischer and Whitehead, 1974, Vol. II (as *Caesio chrysozona*);

Pterocaesio diagramma (Bleeker, 1865)

Kearney, 1982, p. 6

Pterocaesio marri Schultz, 1953

Zug *et al.*, 1988, p. 7; Earle, 2004, p.3

Pterocaesio pisang (Bleeker, 1853)

Kearney, 1982, p. 5; Carpenter and Niem, 2001, p. 2937; Earle, 2004, p.3; Randall, 2005, p. 261

Pterocaesio tile (Cuvier, 1830)

Lewis *et al.*, 1983c, p. 63; Carpenter and Niem, 2001, p. 2940

Pterocaesio trilineata Carpenter, 1987

Lewis *et al.*, 1983c, p. 63 (as *Pterocaesio* n. sp.); Carpenter, 1987, p. 43; Carpenter and Niem, 2001, p. 2941; Earle, 2004, p.3; Randall, 2005, p. 262 (type specimen-Fiji)

Lutjanidae (Snappers)

Aphareus furca (Lacépède, 1801-02)

Anon., 1983b, p. 24 (as *A. furcatus*); Lewis *et al.*, 1983a, pp. 7, 56 (as *A. furcatus*); Carpenter and Niem, 2001, p. 2854; Earle, 2004, p.2

Aphareus rutilans Cuvier and Valenciennes, 1831

Carlson, 1975, p. 30; Carpenter and Niem, 2001, p. 2855

Aprion virescens Valenciennes, 1830

Kner, 1868, (as *Sparopsis latifrons*, p. 27, and *S. elongatus*, p. 303); Carpenter and Niem, 2001, p. 2856

Etelis carbunculus Cuvier, 1828

Anon., 1979, p. 64 (as *E. marshi*); Carpenter and Niem, 2001, p. 2857

Etelis coruscans Valenciennes, 1862

Anon., 1982a, p. 76; Fourmanoir, 1982, p. 92; Carpenter and Niem, 2001, p. 2858

**Etelis oculatus* (Cuvier and Valenciennes, 1828)

Mead, 1980, p. 10; Anon., 1980, p. 60. This species is similar to, and is often mistaken in the Pacific for *Etelis coruscans* and *Etelis oculatus*, which have a West Indian distribution.

Etelis radiosus Anderson, 1981

Anon., 1982a, p. 76; Fourmanoir, 1982, p. 92; Carpenter and Niem, 2001, p. 2859

Lutjanus argentimaculatus (Forsskål, 1775)

Herre, 1936, p. 180 (as *Lutianus argentimaculatus*); Carpenter and Niem, 2001, p. 2862

**Lutjanus aureovittatus* (Macleay, 1879)

Jordan and Dickerson, 1908, p. 611 (as *Lutianus aurovittatus*). The identity of this fish remains to be sorted. *Mesoprion aurovittatus* Agassiz, 1829 is now *Ocyurus chrysurus* (Bloch, 1790) and is a tropical east coast America species

Lutjanus biguttatus (Valenciennes, 1830)

Carlson, 1975, p. 30; Randall, 2005, p. 244

Lutjanus bohar (Forsskål, 1775)

Gifford, 1951, p. 210; Carpenter and Niem, 2001, p. 2866; Earle, 2004, p.2

Lutjanus boutton (Lacépède, 1802)

Hombron and Jacquinot, 1853, p. 37 (as *Diacope vitianus*); Williams, 1997, p. 11 (as *Lutjanus rufolineatus*). See *L. rufolineata* below.

**Lutjanus carponotatus* (Richardson, 1842)

Schmeltz, 1869, p. 13 (as *Mesoprion carponotus*); Greenberg, 1985, p. 1. Allen and Talbot (1985) show this species to be from Australian, Papua New Guinea and south-east Asia. A doubtful species from Fiji.

Lutjanus ehrenbergi Peters, 1869

Lewis, 1983, p. 28; Singleton, 1997, pp. ii, 98; Randall, 2005, p. 246; Randall *et al.*, 2005, p. 122. According to Allen (1985), the distribution for this species is from the Red Sea to far east as the Solomon and Mariana islands.

Lutjanus fulviflamma (Forsskål, 1775)

Schmeltz, 1869, p. 13 (as *Mesoprion fulviflamma*); Carpenter and Niem, 2001, p. 2873; Earle, 2004, p.2

Lutjanus fulvus (Bloch and Schneider, 1801)

Günther, 1880, Vol. 1, p. 34 (as *Mesoprion marginatus*); Fowler, 1940, p. 772 (as *Lutjanus vaigensis*); Carpenter and Niem, 2001, p. 2874; Earle, 2004, p.2

**Lutjanus fuscescens* (Valenciennes, 1830)

Singleton, 1997, p. ii. It is found in Asia and as far to the Solomon Islands. Its presence in Fiji is doubtful.

Lutjanus gibbus (Forsskål, 1775)

Kendall and Goldsborough, 1911, p. 286 (as *Lutjanus gibbus*); Carpenter and Niem, 2001, p. 2876; Earle, 2004, p.2

Lutjanus johnii (Bloch, 1792)

Kendall and Goldsborough, 1911, p. 287 (as *Lutjanus johnii*); Carpenter and Niem, 2001, p. 2878; Randall, 2005, p. 248

Lutjanus kasmira (Forsskål, 1775)

Günther, 1859 - 1870, 1, p. 178 (as *Mesoprion bengalensis*); Carpenter and Niem, 2001, p. 2879; Earle, 2004, p.2

**Lutjanus lemniscatus* (Valenciennes, 1828)

Fischer and Whitehead, 1974, Vol. II. (as *Lutjanus janthinuropterus*) doubtful Allen and Talbot (1985) record this from Australia / S. E. Asia.

Lutjanus lunulatus (Mungo Park, 1797)

Lal *et al.*, 1983, p. 28; Boseto, 2005, p. 198

Lutjanus lutjanus Bloch, 1790

Fischer and Whitehead, 1974, Vol. II. (as *Lutjanus lineolatus*); J. Seeto, *pers. comm.*, USP specimen (as *Lutjanus lineolatus*); UVC, 1995, Appendix 5.3

Lutjanus malabaricus (Bloch and Schneider, 1801)

Fischer and Whitehead, 1974, Vol. II.; Carpenter and Niem, 2001, p. 2884

Lutjanus monostigma (Cuvier, 1828)

Fowler, 1929, p. 6; Carpenter and Niem, 2001, p. 2887; Earle, 2004, p.2

**Lutjanus notatus* (Cuvier, 1828)

Raj, 1981, p.10 (as *Lutjanus caeruleovittatus*). A doubtful record for Fiji, as this is an Indian Ocean species (Allen and Talbot, 1985).

Lutjanus quinquelineatus (Bloch, 1790)

Allen and Talbot, 1985, pp. 64, 65. (as *Lutjanus spilurus* (Bennett, 1832); Fowler, 1928, p. 195 (as *L. kasmira* non Forsskål); Carpenter and Niem, 2001, p. 2888; Randall, 2005, p. 250

Lutjanus rivulatus (Cuvier, 1828)

Cavuilati, 1980, p. 11; JICA, 1987, p. 111 (Volume 2). Fiji or Tuvalu; Carpenter and Niem, 2001, p. 2889; Earle, 2004, p.2

Lutjanus rufolineata Valenciennes in Cuvier and Valenciennes, 1830

Raj, 1981 (as *Lutjanus rufolineatus*); Carpenter and Niem, 2001, p. 2890. This species was named as a junior synonym of *Lutjanus bouton* for a period.

Lutjanus russelli (Bleeker, 1849)

Carlson, 1975, p. 31; Carpenter and Niem, 2001, p. 2891; Randall, 2005, p. 251

**Lutjanus sanguineus* (Cuvier, 1828)

Fischer and Whitehead, 1974, Vol. II.

**Lutjanus sebae* (Cuvier, 1828)

Fischer and Whitehead, 1974, Vol. II. A doubtful record as this species does not reach Fiji.

Lutjanus semicinctus (Quoy and Gaimard, 1824)

Günther, 1880, Vol. 1, p. 34; Carpenter and Niem, 2001, p. 2893; Earle, 2004, p.2; Randall, 2005, p. 253

Lutjanus timorensis (Quoy and Gaimard, 1824)

Anon., 1983b, p. 25; Carpenter and Niem, 2001, p. 2895

Lutjanus vitta (Quoy and Gaimard, 1824)

Fischer and Whitehead, 1974, Vol. II

Macolor macularis Fowler, 1931

Jennings and Polunin, 1996, p. 402; Randall, 2005, p. 254

Macolor niger (Forsskål, 1775)

Schmeltz, 1869, p. 13 (as *Genyoroge macolor*); Carpenter and Niem, 2001, p. 2898; Earle, 2004, p.2

Paracaesio caeruleus (Katayama, 1934)

Anon., 1982a, p. 68

Paracaesio gonzalesi Fourmanoir and Rivaton, 1979

Raj and Seeto, 1983b, p. 453; Carpenter and Niem, 2001, p. 2899

Paracaesio kusakarii Abe, 1960

Cavuilati, 1980, p. 14; Mead, 1980, pp. 10, 13; Carpenter and Niem, 2001, p. 2900

Paracaesio sordidus Abe and Shinohara, 1962

Fishbase (ICLARM) p. 6 (citing FAO 1990, SPECIESDAB); Carpenter and Niem, 2001, p. 2902; Fishbase 2009, p. 13 (as *Paracaesio sordida*)

Paracaesio stonei Raj and Seeto, 1983

Raj and Seeto, 1983b, p. 450; Carpenter and Niem, 2001, p. 2903

Paracaesio xanthurus (Bleeker)

JICA, 1987, p. 111 (volume 2). Fiji or Tuvalu. Possibly mis-identified.; Carpenter and Niem, 2001, p. 2904; Nair, 2003, p. 55; Specimern seen in Cakaudrove Fish (2003); Randy Thaman picture 2006; Fishbase 2009, p. 13 (as *Paracaesio xanthura*)

Parapristipomoides squamimaxillaris (Kami, 1973)

Specimen seen in Cakaudrove Fish Co, Suva by author.

Pinjalo pinjalo (Bleeker, 1850)

Anon., Nda, p. 16;

Pinjalo lewisi Randall, Allen and Anderson, 1987

Randall, Allen, and Anderson, 1987, pp. 12, 14, 15; Carpenter and

Niem, 2001, p. 2906; Randall, 2005, p. 255

Pristipomoides argyrogrammicus (Valenciennes, 1830-1831)

Mead, 1980, p. 10 ; Raj, 1981, p. 10 (as *Pristipomoides amoneus* Snyder, 1911); Carpenter and Niem, 2001, p. 2908

Pristipomoides auricilla (Jordan, Evermann, and Tanaka, 1927)

Raj and Seeto, 1984, (no page number); Chapman, Taumaia and Preston, 1984, p. 134; Carpenter and Niem, 2001, p. 2909

Pristipomoides filamentosus (Valenciennes, 1830)

Carlson, 1975, p. 32; Carpenter and Niem, 2001, p. 2910

Pristipomoides flavipinnis Shinohara, 1963

Carlson, 1975, p. 32; Carpenter and Niem, 2001, p. 2911

Pristipomoides multidentis (Day, 1870)

Anon., 1980, p. 59; Carpenter and Niem, 2001, p. 2912

Pristipomoides sieboldii (Bleeker, 1857)

ICLARM Fishbase, p. 6 (citing FAO, 1990); Carpenter and Niem, 2001, p. 2913; Nair, 2003, pp. 55 and 64.

**Pristipomoides typus* Bleeker, 1852

Fischer and Whitehead, 1974, Vol. II.

Pristipomoides zonatus (Valenciennes, 1830)

Cavuilati, 1980, p. 14; Mead, 1980, pp. 10, 13; Carpenter and Niem, 2001, p. 2914

Randallichthys filamentosus (Fourmanoir, 1970)

Lewis (n. d.) Fisheries photo; JICA, 1987, p. 111 (Volume 2). Fiji or Tuvalu.

Symphorus nematophorus (Bleeker, 1860)

Fowler, 1940, p. 775 (fig 55) (as *S. fosteri*)

Nemipteridae (Threadfin)

Nemipterus aurifilum (Ogilby, 1910)

Raj, 1981, p. 10

Nemipterus bathybius (Snyder, 1911)

Raj and Seeto, 1984

Nemipterus vitiensis Russell, 1990

Russell, 1990a, p. 35; Russell, 1990b, p. 61; Carpenter and Niem, 2001, p. 3081

Nemipterus zysron (Bleeker, 1856-57)

J. Seeto, pers. comm. (as *Nemipterus metopias* (Bleeker, 1857); Russell, 1990b, p. 63; Carpenter and Niem, 2001, p. 3081; Randall, 2005, p. 282

Parascolopsis eriomma (Jordan and Richardson, 1909)

Raj and Seeto, 1984, (no page number) (as *Scolopsis eriomma*)

Parascolopsis inermis (Temminck and Schlegel, 1842)

Raj, 1981, p. 9 (as *Scolopsis inermis*)

**Pentapodus* sp.

Carlson, 1975, p. 29 (as unidentified)

Pentapodus sp. (yellow striped whiptail)

Randall, Allen and Steene, 1990, p. 205; Russell, 1990b, p. 92; Lieske and Myers, 1994, p. 51; Carpenter and Niem, 2001, p. 3085

Scolopsis bilineatus (Bloch, 1793)

Kner, 1868, p. 302; Carpenter and Niem, 2001, p. 3087; Earle, 2004, p.3; Randall, 2005, p. 284; Randall, 2005b, p. 307; Fishbase 2009, p. 17 (as *S. bilineata*)

Scolopsis monogramma (Cuvier and Valenciennes, 1830)

Fowler, 1928, p. 209

Scolopsis temporalis (Cuvier and Valenciennes, 1830)

Schmeltz, 1869, p. 14 (as *Scolopsides temporalis*); Carpenter and Niem, 2001, p. 3088; Randall, 2005, p. 285

Scolopsis trilineatus Kner, 1868

Günther, 1874, 1, p. 31; Carpenter and Niem, 2001, p. 3089; Nair, 2003, p. 56 (as *S. trilineata*)

Drepanidae

**Drepane punctata* (Linnaeus, 1758)

Fischer and Whitehead, 1974. Vol. II; Nair, 2003, p. 51; Fishbase 2009, p. 7. A doubtful record for Fiji.

Haemulidae (Sweetlips)

Plectorhinchus albobittatus (Rüppell, 1835)

Günther, 1871, p. 657 (as *Diagramma obscurum* Günther, 1872); Randall, 2005, p. 266; Gunther, 1872, p. 657 (as *Plectorhinchus obscurum* Gunther, 1872) – Holotype; Nair, 2003, p. 51 (as *Plectorhinchus obscurus*); Carpenter and Niem, 2001, p. 2970 – see *Plectorhinchus obscurus* below.

Plectorhinchus chaetodonoides (Lacépède, 1800)

Günther, 1880, p. 34 (as *Diagramma pardale*); Carpenter and Niem, 2001, p. 2971; Earle, 2004, p.3; Nimmerfroh, 2006, p. 38

Plectorhinchus cuvieri (Bennett, 1830)

Carlson, 1975, p. 33 (as *Plectorhynchus cuvieri*)

Plectorhinchus diagrammus Linnaeus, 1758 – see *Plectorhinchus lessoni* below. This may be a valid species.

Plectorhinchus gibbosus (Lacépède, 1802)

Carlson, 1975, p. 90 (as *Plectorhynchus nigrus*); Carpenter and Niem, 2001, p. 2974; Boseto, 2005, p. 198

Plectorhinchus lessoni (Cuvier, 1830)

Lewis (n.d.) Fisheries photo (as *Plectorhinchus diagrammus* (Linnaeus, 1758); Rawlinson et al., (n.d. ca 1995), p. 59. (as *Plectorhynchus diagramma*); Nair, 2003, p. 53 (as *P. diagrammus*); Fishbase 2009, p. 14 (as *P. diagrammus*)

Plectorhinchus lineatus (Linnaeus, 1758)

Specimen seen in Nabukalou Creek fish market, Suva by J Seeto (August 2007). Was called *P. goldmanni*.

Plectorhinchus occidentalis (not a valid name)

Emery and Winterbottom, 1983, p. 22 (as *Plectorhynchus occidentalis*)

Plectorhinchus obscurus Gunther, 1872 – see *Plectorhinchus albovittatus* above.

Fishbase 2009, p. 14. Valid?

Plectorhinchus picus (Cuvier, 1830)

Günther, 1874, p. 27 (as *Diagramma pica*); JICA, 1987, p. 111 (Volume 2). Fiji or Tuvalu; Carpenter and Niem, 2001, p. 2978; Earle, 2004, p.3; Brown, 2006, p. 48

Plectorhinchus pictus (Thunberg, 1787-92)

Günther, 1880, p. 34 (as *Plectorhynchus pictus*); Whitley, 1928, p. 12 (as *P. punctatus*); Carpenter and Niem, 2001, p. 2967 (as *Diagramma pictum*)

Plectorhinchus schotaf (Forsskål, 1775)

Lewis (n.d.) Fisheries photo

Plectorhinchus vittatus Linnaeus, 1758

Lewis (n.d.) Fisheries photo (as *Plectorhinchus orientalis* (Bloch, 1793); Earle, 2004, p.3.

**Pomadasys hasta* (Bloch, 1790)

Fischer and Whitehead, 1974, Vol. III. A doubtful record for Fiji.

**Pomadasys maculatus* (Bloch, 1797)

Fischer and Whitehead, 1974, Vol. III. A doubtful record for Fiji.

Lethrinidae (Emperors)

Gnathodentex aurolineatus (Lacepède, 1802)

Fischer and Whitehead, 1974, Vol. III; Carpenter and Niem, 2001, p. 3017

Gymnocranius euanus Günther, 1879

Carpenter and Allen, 1989, p. 25; Carpenter and Niem, 2001, p. 3020

Gymnocranius grandoculis (Valenciennes, 1830)

Fischer and Whitehead, 1974, Vol. III (as *G. robinsoni*); Anon., 1985 (poster) (as *Gymnocranius lethrinoides* (Bleeker, 1849); Carpenter and Niem, 2001, p. 3023; See *G. sp.* (three below); Calamia et al., 2008, p. 15 (as *G. grandoculus*)

Gymnocranius griseus (Temminck and Schlegel, 1843)

Fischer and Whitehead, 1974, Vol. III. Its presence in Fiji is questioned by Carpenter and Allen (1989).

Gymnocranius microdon (Bleeker, 1851)

Allen et al., 2003, p. 117

Gymnocranius sp.

Myers, 1991, p. 144. This fish was called *G. lethrinoides* Masuda et al., (1984). Jennings and Polunin, 1996, p. 402

Lethrinella microdon (Valenciennes, 1830)

Carlson, 1975, p. 29. Same as *Lethrinus microdon* below.

**Lethrinus amboinensis* Bleeker, 1854-55

Anon., 1983b, p. 15. Carpenter and Allen (1989) say this is not found in Fiji.

Lethrinus atkinsoni Seale, 1909

Schmeltz, 1869, p. 14 (as *Lethrinus mahsena*); Carpenter and Niem, 2001, p. 3027; Earle, 2004, p.3. *Lethrinus mahsena* is found in East Africa, Red Sea and Southern India (Carpenter and Allen (1989). This species was known as *L. mahsena* in the Pacific.

Lethrinus erythracanthus Cuvier, 1830.

Fischer and Whitehead, 1974, Vol. II. (as *Lethrinus kallopterus* Bleeker, 1856); Nair, 2003, p. 54; Earle, 2004, p.3; Fishbase 2009, p. 11. This is found in Fiji but Carpenter and Allen (1989) say it is not.

**Lethrinus haemotopterus* Temminck and Schlegel, 1842

Günther, 1880, p. 34. This species is found only in Japan, according to Carpenter and Allen (1989).

Lethrinus harak (Forsskål, 1775)

Schmeltz, 1869, p. 14; Carpenter and Niem, 2001, p. 3032

Lethrinus laticaudis Alleyne and Macleay, 1877

McGrouter, 1997, p. 6. Carpenter and Allen (1989) say this is not found in Fiji.

Lethrinus lentjan (Lacépède, 1802)

Herre, 1936, p. 200; Schmeltz, 1864, p. 8 (as *Lethrinus mahsenoides* Valenciennes 1830); Anon., 1980, p. 95 (as *Lethrinus glyphodon* (Günther, 1859); Carpenter and Niem, 2001, p. 3034

Lethrinus microdon Valenciennes in Cuvier and Valenciennes, 1830

Sighted by Nick Dulvy, 1999, in Southern Lau. See *Lethrinella microdon* above.

**Lethrinus miniatus* (Bloch and Schneider, 1801)

Anon., 1982a, p. 76 (as *Lethrinus chrysostomus* Richardson, 1848)

This is not found in Fiji (Carpenter and Allen, 1989).

Lethrinus nebulosus (Forsskål, 1775)

Günther, 1880, p. 34; Carpenter and Niem, 2001, p. 3037

Lethrinus obsoletus (Forsskål, 1775)

Günther, 1880, p. 34 (as *Lethrinus ramak* (Forsskål, 1775); Carpenter and Niem, 2001, p. 3038

Lethrinus olivaceus Valenciennes, 1830

Carlson, 1975, p. 90 (as *Lethrinus miniatus*); Carpenter and Niem, 2001, p. 3039; Earle, 2004, p.3. Was called *Lethrinus elongatus*

(Valenciennes, 1830) at one stage.

Lethrinus ornatus Valenciennes, 1830

Anon., nd, p. 12. Carpenter and Allen (1989) say this is not found in Fiji.

Lethrinus reticulatus Valenciennes, 1830

Kendall and Goldsborough, 1911, p. 290 (as *L. moensi*)

Lethrinus rubrioperculatus Sato, 1978

Günther, 1880, p. 34 (as *L. moensi*); JICA, 1987, p. 111 (Volume 2). Fiji or Tuvalu; Carpenter and Niem, 2001, p. 3042; Fishbase 2009, p. 11

Lethrinus semicinctus Valenciennes, 1830

Chapman. Taumaia and Preston. 1984, p. 13; Royal Ontario Museum Records (Great Astrolabe Reef Collection). Carpenter and Allen (1989) say this is not found in Fiji.

Lethrinus variegatus Valenciennes, 1830

Mead, 1980, pp. 9, 12; McGrouter, 1997, p. 6. Carpenter and Allen (1989) say this is not found in Fiji.

Lethrinus xanthochilus (Klunzinger, 1870)

Mead, 1980, pp. 9, 12; Carpenter and Niem, 2001, p. 3045; Earle, 2004, p.3

Monotaxis grandoculis (Forsskål, 1775)

Carpenter and Allen, 1989, p. 92; Carpenter and Niem, 2001, p. 3049; Earle, 2004, p.3

Monotaxis heterodon (Bleeker, 1854)

Schmeltz, 1869, p. 14 (as *Sphaerodon heterodon*)

Wattsia mossambica (Smith, 1957)

Carlson, 1975, p. 90 (as *Gnathodentex mossambica*). Carpenter and Allen (1989) say this is not found in Fiji.

Branchiostegidae (Tilefish)

Branchiostegus japonicus (Houttuyn, 1782)

Raj, 1981, p. 9 (as *B. japonicus auratus* non Kishinouye)

Malacanthidae (Sand Tilefish)

Hoplotalilus starcki Randall and Dooley, 1974

Carlson, 1975, p. 21

Malacanthus brevirostris Guichenot, 1848

Carlson, 1975, p. 21 (as *M. hoedtii*); Carpenter and Niem, 1999, p. 2647

Malacanthus latovittatus (Lacépède, 1801)

Carlson, 1975, p. 21; Carpenter and Niem, 1999, p. 2647

Pomacentridae (Damsel-fishes)

Abudefduf bengalensis (Bloch, 1787)

Brown, 2006, p. 46

**Abudefduf saxatilis* (Linnaeus, 1758)

Herre, 1936, p. 291. Allen, 1991, p. 188 says this is not found in Fiji. An East Pacific species.

Abudefduf septemfasciatus (Cuvier, 1830)

Fowler, 1928, p. 318 (Fiji?); Allen, 1991, p. 188

Abudefduf sexfasciatus (Lacépède, 1802)

Schmeltz, 1869, p. 21 (as *Glyphidodon coelestinus*); Earle, 2004, p.4

Abudefduf sordidus (Forsskål, 1775)

Fowler, 1928, p. 317 (Fiji?); Allen, 1991, p. 188

**Abudefduf* sp.

Royal Ontario Museum Records (Great Astrolabe Reef Collection)

**Abudefduf sparoides* (Quoy and Gaimard, 1825)

Smith, 1953, p. 283. A questionable record. A South African species that the author noted is 'Recorded from Fiji, Mauritius and Mozambique'.

Abudefduf vaigensis (Quoy and Gaimard, 1825)

Royal Ontario Museum Records (Great Astrolabe Reef Collection); Allen, 1991, p. 188; Earle, 2004, p.4

Acanthochromis polyacanthus (Bleeker, 1855)

Kner, 1867, p. 717 (as *Pseudochromis polyacanthus*); Fishbase.org (2003). Allen, 1991, p. 188 says this is not found in Fiji.

Amblyglyphidodon aureus (Cuvier, 1830)

Allen, 1975a, p. 119; Carlson, 1975, p. 42; Earle, 2004, p.4; Randall, 2005, p. 349

Amblyglyphidodon curacao (Bloch, 1787)

Herre, 1936, p. 294 (as *Abudefduf curacao*)

Amblyglyphidodon leucogaster (Bleeker, 1847)

Borodin, 1932, p. 93

Amblyglyphidodon orbicularis (Hombron and Jacquinet, 1853)

Earle, 2004, p.4; Randall, 2005, p. 350

**Amblyglyphidodon* sp.

Royal Ontario Museum Records (Great Astrolabe Reef Collection)

**Amblyglyphidodon ternatensis* (Bleeker, 1856)

Allen, 1975a, p. 90; Carlson, 1975, p. 44. Allen, 1991, p. 188 says this is not found in Fiji.

**Amphiprion akindynos* Allen, 1972

McGrouter, 1997, p. 1; Allen, 1991, p., 188 says this is not found in Fiji. Fautin and Allen, 1992, p. 62 say this is found in eastern Australia and New Caledonia.

Amphiprion barberi Allen, G.R., Drew, J. & Kaufman, L. 2008

Fishbase 2009, p. 1

**Amphiprion bicinctus* Rüppell, 1828

Whitley, 1927, p. 6. Allen, 1991 p. 188 as well as Fautin and Allen 1992 p. 67 say this is found in the Red Sea and Chagos Archipelago.

Amphiprion chrysopterus Cuvier, 1830

Schmeltz, 1869, p. 21 (as *A. chrysapterus*); Carpenter and Niem, 2001, p. 3347; Allen *et al.*, 2003, p. 64; Earle, 2004, p.4; Nimmerfroh, 2006, p. 27

Amphiprion clarkii (Bennett, 1830)

Schmeltz, 1879, p. 51 (as *A. clarkii* var. *chrysargurus*); Allen *et al.*, 2003, p. 65; Earle, 2004, p.4; Randall, 2005, p. 351

**Amphiprion ephippium* Bloch, 1790

Schmeltz, 1869, p. 21. According to Allen (1972), this species is known only from the Adaman Sea and the coasts of Java and Sumatra. Allen, 1991, p. 236 says this is not found in Fiji. It is found in Asia. Fautin and Allen, 1997, p. 76 say it is found in Asia only.

Amphiprion melanopus Bleeker, 1852

Herre, 1936, p. 267 (as *A. frenatus*). Myers, 1991 p. 164-165 says that *A. frenatus*, *A. melanopus*, *A. rubrocinctus* and possibly *A. ephippium* are probably stable polymorphs of the same species! If that is true, *A. melanopus* is the name to use. Allen, 1991, pp. 46, 188; Fautin and Allen, 1997, p. 90; Carpenter and Niem, 2001, p. 3349; Allen *et al.*, 2003, p. 65; Earle, 2004, p.4; www.larryulrich.com/uwlocationlist.html (as *A. frenatus*). Randall, 2005, p. 351; Brown, 2006, p. 46.

**Amphiprion percula* (Lacépède, 1802)

Pöhl, 1884, p. 35. Allen, 1991, p. 190 says this is not found in Fiji.

Amphiprion perideraion Bleeker, 1855

Allen, 1975a, p. 230; Carlson, 1975, p. 4; www.amdareef.com/el_clown.htm; www.larryulrich.com/uwlocationlist.html; Earle, 2004, p.4; Nimmerfroh, 2006, p. 28; Brown, 2006, p. 46; Fishbase 2009, p. 2. Allen (1991, p. 190) and Fautin and Allen (1997) were of the opinion that this species is not found in Fiji.

**Amphiprion rubrocinctus* Richardson, 1842

Whitley, 1927a, p. 6 (as *A. tricolor*). Allen, 1991, p. 190 says this is found in Western Australia only. Previous records from Fiji refers to *A. melanopus*.

**Chromis* sp.

Burgess and Axelrod, 1975, p. 1559

Chromis acares Randall and Swerdloff, 1973

Zug *et al.*, 1988, p. 12; Royal Ontario Museum Records (Great Astrolabe Reef Collection)

Chromis agilis Smith, 1960

Randall and Swerdloff, 1973, p. 336

**Chromis alleni* Randall, Ida, and Moyer, 1981

Carlson, 1975, p. 43 (as *C. alleni* MS). Allen, 1991, p. 190 says this is not found in Fiji.

Chromis alpha Randall, 1987

Allen, 1975a, p. 94 (as *Chromis* species A); Earle, 2004, p.4

Chromis amboinensis (Bleeker, 1873)

Allen, 1975a, p. 230; Carlson, 1975, p. 43; Earle, 2004, p.4

Chromis analis (Cuvier, 1830)

Allen, 1975a, p. 78; Carlson, 1975, p. 43; Randall, 2005, p. 354

Chromis atripectoralis Welander and Schultz, 1951

Carlson, 1975, p. 43

Chromis atripes Fowler and Bean, 1928

Royal Ontario Museum (Great Astrolabe Reef Collection); Greenfield found this species in Fiji; Earle, 2004, p.4; Randall, 2005, p. 355. Allen, 1991 p. 190 says this is not found in Fiji.

Chromis bicolor (Rochebrune, 1880))

Royal Ontario Museum Records (Great Astrolabe Reef Collection)

Chromis brevirostris Pyle, Earle & Greene, 2008

Fishbase 2009, p. 5

Chromis chrysur (Bliss, 1883)

Whitley, 1964, p. 180 (as *Lepicephalochromis westalli*); McGrouter, 1997, p. 3 (as *Chromis isharae* Schmidt, 1930); Allen *et al.*, 2003, p. 83; Earle, 2004, p.4; Randall, 2005, p. 355

**Chromis crusma* Valenciennes, 1833

Fowler and Bean, 1923, p. 22. (as *Chromis cupreus* Fowler and Bean, 1923). A questionable species. The authors list the locality as 'Fiji or Samoa'. A Peru-Chile species.

Chromis delta Randall, 1987

Randall, Allen and Steene, 1990, p. 258; Earle, 2004, p.4; Randall, 2005, p. 356

**Chromis dimidiatus* (Klunzinger, 1871)

Raj and Seeto, 1982, p. 24. Erroneously placed in Fiji. Allen (1975) notes it is confined to the Red Sea and West Indian Ocean.

Chromis earina Pyle, Earle & Greene, 2007

Fishbase 2009, p. 5

Chromis elerae Fowler and Bean, 1928 or 1929

Allen, 1975a, p. 82; Carlson, 1975, p. 43; Allen *et al.*, 2003, p. 84; Randall, 2005, p. 356

Chromis iomelas Jordan and Seale, 1906

Allen, 1975a, p. 82; Carlson, 1975, p. 44; Earle, 2004, p.4

Chromis lepidolepis Bleeker, 1877

Allen, 1975a, p. 83; Carlson, 1975, p. 44; Earle, 2004, p.4; Randall, 2005, p. 359

**Chromis leucurus* Gilbert, 1905

B. Carlson, *pers comm.* Allen, 1991, p, 192 says this is not found here.

Chromis margaritifer Fowler, 1946

Allen, 1975a, p. 230; Carlson, 1975, p. 44; Earle, 2004, p.4

Chromis opercularis (Gunther, 1867)

McGrouter, 1997, p. 3; Rupeni, 2004, p. 3. A West Indian Ocean species but range is extended to Fiji by Rupeni, 2004. May be the same as *Chromis xanthura* (Bleeker, 1854) according to Myers, 1991, p. 167. Allen, 1991, p. 192 says this is found in East Africa to Thailand.

Chromis retrofasciata Weber, 1913

Allen, 1975a, p. 230; Carlson, 1975, p. 44; Randall, 2005, p. 360

Chromis roglyphy (not valid name?)

Sighted by Nick Dulvy, 1999, in Southern Lau.

Chromis ternatensis (Bleeker, 1856)

Randall, Allen and Steene, 1990, p. 260

Chromis vanderbilti (Fowler, 1941)

Allen, 1975a, p. 230; Carlson, 1975, p. 44

Chromis viridis (Cuvier, 1830)

Boulenger, 1897, p. 373 (as *Heliastes lepidurus*); Carpenter and Niem, 2001, p. 3352; Earle, 2004, p.4 This species was, until very recently, known as *Chromis caerulea*.

Chromis weberi Fowler and Bean, 1928

Allen, 1975a, p. 230; Earle, 2004, p.4; Randall, 2005, p. 361. Emery and Winterbottom, 1983, p. 14. (as *Chromis simularis*). This is a typographical error for *C. simulans* Smith, 1960 but probably should read *C. weberi* (R. Winterbottom, *pers. comm.*)

Chromis xanthura (Bleeker, 1854)

Allen, 1975a, p. 94; Carlson, 1975, p. 44; Earle, 2004, p.4

Chrysiptera biocellata (Quoy and Gaimard, 1824)

Kner, 1868, pp. 30, 351 (as *Glyphisodon hemimelas* and *G. albocinctus*); Schmeltz, 1879, p. 52 (as *Glyphidodon leucozona* non Bleeker). *Glyphisodon antjerius* is a junior synonym too.

Chrysiptera brownriggi (Bennett, 1828)

Allen *et al.*, 2003, p. 72; Earle, 2004, p.4

Chrysiptera caeruleolineata (Allen, 1973)

Allen, 1975a, p. 151; Carlson, 1975, p. 47

Chrysiptera cyanea (Quoy and Gaimard, 1824)

Günther, 1862, p. 52 (as *Glyphidodon uniocellatus*); Brown, 2006, p. 46. *Glyphisodon assimilis* is a junior synonym. Myers, 1991, p. 170 says *C. cyanea* is replaced by *C. taupou* Fowler and Bean 1928 in Fiji. Brown (1993) show a picture of this fish from Fiji. Allen, 1991, p. 92 says this is not found in Fiji.

Chrysiptera glauca (Cuvier, 1830)

Herre, 1936, p. 302 (as *Abudefduf glauca*)

Chrysiptera leucopoma (Lesson, 1830)

Schmeltz, 1869, p. 99 (as *Pomacentrus albofasciatus*); Schmeltz, 1874 (p. 32) (as *Glyphisodon albofasciatus*); Sauvage, 1878, p. 207 (as *Glyphisodon filholi*); Günther, 1880 (p. 36) (as *Glyphisodon xanthozona* Bleeker, 1853; Whitley, 1927, p. 6 (as *Abudefduf amabilis*); Fowler, 1940 (p. 786) (as *Chrysiptera amabilis* (De Vis, 1883)

Chrysiptera rollandi (Whitley, 1931)

Earle, 2004, p.4

Chrysiptera starcki (Allen, 1973)

B. Carlson, 1985, *pers. comm.*; Allen, 1991, p. 194; Allen *et al.*, 2003, p. 74; Randall, 2005, p. 365

Chrysiptera talboti (Allen, 1975)

Allen, 1975a, p. 159; Carlson, 1975, p. 48; Allen *et al.*, 2003, p. 73; Randall, 2005, p. 366

Chrysiptera taupou (Jordan and Seale, 1906)

Randall, Allen and Steene, 1990, p. 266; Allen *et al.*, 2003, p. 74; Earle, 2004, p.4; Randall, 2005, p. 366; Kuitert and Debelius, 2006, p. 534

Chrysiptera tricincta (Allen and Randall, 1974)

Allen, 1975a, p. 162; Carlson, 1975, p. 48; Randall, 2005, p. 366

Chrysiptera unimaculata (Cuvier, 1830)

Allen, 1975a, p. 162; Randall, 2005, p. 367

Dascyllus aruanus (Linnaeus, 1758)

Günther, 1862, p. 12; Carpenter and Niem, 2001, p. 3354

Dascyllus flavicaudus Randall and Allen, 1977

Williams, 1997, p. 6. Allen, 1991 p. 196 says it is not found in Fiji but only in Tahiti and Pitcairn.

Dascyllus reticulatus (Richardson, 1846)

Kner, 1868, p. 348 (as *Pomacentrus unifasciatus*); Earle, 2004, p.4

Dascyllus trimaculatus (Rüppell, 1828)

Kendall and Goldsborough, 1911, p. 298; Carpenter and Niem, 2001, p. 3354; Earle, 2004, p.4; Randall, 2005, p. 370

Dischistodus prosopotaenia (Bleeker, 1852)

Fishbase (ICLARM)p. 6 (citing Randall *et al.*, 1990 - Melanesia); Fishbase 2009, p. 7. Allen, 1991, says this species is not found in Fiji.

Lepidozygus tapeinosoma (Bleeker, 1856)

Allen, 1991, p. 196

Neoglyphidodon carlsoni (Allen, 1975)

Allen, 1975a, p. 179 (as *Paraglyphidodon carlsoni*); Carlson, 1975, p. 48 (as *Paraglyphidodon carlsoni*); Allen *et al.*, 2003, p. 68 (ENDEMIC); Randall, 2005, p. 371 (Fiji & Tonga)

Neoglyphidodon melas (Cuvier, 1830)

Herre, 1936, p. 296 (as *Abudefduf melas*). Allen, 1991, p. 196 says this species is not found in Fiji.

Neoglyphidodon nigroris Cuvier, 1830

Fowler, 1928, p. 320 (as *Chromis behnii*)

Neopomacentrus metallicus (Jordan and Seale, 1906)

Allen, 1975a, p. 171; Carlson, 1975, p. 48; Allen, 1991, p. 125; Earle, 2004, p.4; Randall, 2005, p. 373

Neopomacentrus violascens (Bleeker, 1848)

Carlson, 1975, p. 91; Carcasson, 1977, p. 171 (as *Pomacentrus violascens*); Randall, 2005, p. 373. Allen, 1991 p. 198 says this species is not found in Fiji.

Plectroglyphidodon dickii (Liénard, 1839)

Boulenger, 1897, p. 373 (*Glyphidodon dickii*); Earle, 2004, p.4

Plectroglyphidodon imparipennis (Vaillant and Sauvage, 1875)

Allen, 1975a, p. 230; Carlson, 1975, p. 48

Plectroglyphidodon johnstonianus Fowler and Ball, 1924

Allen, 1975a, p. 230; Carlson, 1975, p. 48; Earle, 2004, p.4

Plectroglyphidodon lacrymatus (Quoy and Gaimard, 1824)

Carlson, 1975, p. 49; Earle, 2004, p.4

Plectroglyphidodon leucozona (Bleeker, 1859)

Jordan and Dickerson, 1908, p. 613 (as *Abudefduf corneyi*); Fowler, 1955a, p. 375. (as *Chrysiptera yamashinai* (Okada and Ikeda, 1937))

Plectroglyphidodon phoenixensis (Schultz, 1943)

Allen, 1975a, p. 198; Carlson, 1975, p. 49

**Pomacentrus alexanderae* Allen, 1975 is junior synonym of *P. nigromanus* Weber, 1913 (see Myers, 1991, p. 174) but *P. alexanderae* (Evermann and Seale, 1907) is found in Philippines and Ryukyus. Royal Ontario Museum Records (Great Astrolabe Reef Collection). Allen, 1991, p. 198 says *P. alexanderae* and *P. nigromanus* are not found in Fiji.

Pomacentrus alleni Burgess, 1981

www.amdareef.com/el_clown.htm

Pomacentrus amboinensis Bleeker, 1868

Carcasson, 1977, p. 172; Allen *et al.*, 2003, p. 89. Allen, 1991, p. 198 says this species is not found in Fiji.

Pomacentrus bankanensis Bleeker, 1853

Allen, 1975a, p. 210; Randall, 2005, p. 378

Pomacentrus brachialis Cuvier, 1830

Allen, 1975a, p. 214 (as *P. melanopterus*); Lieske and Myers, 1994, p. 87; Allen *et al.*, 2003, p. 97; Earle, 2004, p.4; Randall, 2005, p. 378. Allen 1991 says this is not found in Fiji. Sometimes spelt wrongly as *P. branchialis*.

Pomacentrus callainus Randall, 2002

Earle, 2004, p.4; Randall, 2005, p. 378

Pomacentrus coelestis Jordan and Starks, 1901

Allen, 1975a, p. 231; Carlson, 1975, p. 49; Carpenter and Niem, 2001, p. 3355; Earle, 2004, p.4

Pomacentrus imitator (Whitley, 1964)

Randall, Allen and Steene, 1990, p. 278; Allen *et al.*, 2003, p. 96 (found in Rotuma only); Earle, 2004, p.4; Randall, 2005, p. 379 (found in Fiji, Rotuma & other places)

Pomacentrus lepidogenys Fowler and Bean, 1928

Allen, 1975a, p. 214

**Pomacentrus littoralis* Cuvier, 1830

Emery and Winterbottom, 1983, p. 10. Allen, 1991, p. 200 says it is not found here.

**Pomacentrus melanochir* Bleeker, 1877

Carlson, 1975, p. 49. Allen, 1991, p. 200 say not found here.

Pomacentrus microspilus Allen and Randall, 2005

Allen and Radall, 200 p. 95; <http://intreasures.com/fijimf.html> (as endemic)

Pomacentrus moluccensis Bleeker, 1853

Lieske and Myers, 1994, p. 86; McGrouter, 1997, p. 8; Allen, 1975a, p. 231 (as *Pomacentrus popei* Jordan and Seale, 1907) = *P. simsiang* (Myers, 1991, p. 174); Carpenter and Niem, 2001, p. 3355; Randall, 2005, p. 3

Pomacentrus nigromarginatus Allen, 1973

Allen, 1975a, p. 231; Carlson, 1975, p. 50; Allen *et al.*, 2003, p. 96; Earle, 2004, p.4; Randall, 2005, p. 380; Brown, 2006, p. 46. Allen, 1991 says this is not found here.

Pomacentrus pavo (Bloch, 1787)

Boulenger, 1897, p. 373

Pomacentrus philippinus Evermann and Seale, 1907

Allen, 1975a, p. 231; Carlson, 1975, p. 50; Lieske and Myers, 1994, p. 85; Fishbase 2009, p. 15. Allen, 1991, p. 200 says this is not found here.

**Pomacentrus simsiang* Bleeker, 1856

McGrouter, 1997, p. 8. Allen, 1991, p. 200 says this is not found here. See comment after *Pomacentrus moluccensis*.

Pomacentrus smithi Fowler & Bean, 1928

Fishbase 2009, p. 15

**Pomacentrus* sp.

Royal Ontario Museum Records (Great Astrolabe Reef Collection)

Pomacentrus n sp

Rupeni, 2004, p. 3

Pomacentrus spilotoceps Randall, 2002

Allen *et al.*, 2003, p. 89; Earle, 2004, p.4; Randall, 2005, p. 382 (Fiji and Tonga only)

**Pomacentrus taeniometopon* Bleeker, 1852

Kner, 1868, p. 348

Allen, 1991, p. 202 say not found here.

Pomacentrus vaiuli Jordan and Seale, 1906

Fowler, 1932, p. 10; Earle, 2004, p.4

**Pomacentrus wardi* Whitley, 1927

Williams 1997, p. 14. Allen, 1991, p. 202 says it is not found in Fiji.

Pomachromis richardsoni (Snyder, 1909).

Allen and Randall, 1974, p. 48; Allen *et al.*, 2003, p. 87; Randall, 2005, p. 383

Premnas biaculeatus (Bloch, 1790)

Fishbase (ICLARM), p. 7 (citing Randall *et al.*, 1990 - Melanesia). Probable record. Allen, 1991, p. 202 says this is not found in Fiji. Nair, 2003, p. 57; J Seeto has seen this in Fiji.

Stegastes albifasciatus (Schlegel and Müller, 1839-44)

Allen, 1991, p. 202

Stegastes fasciolatus (Ogilby, 1889)

Carlson, 1975, p. 45 (as *S. jenkinsi*); Earle, 2004, p.4

Stegastes lividus (Bloch and Schneider, 1801)

Schmeltz, 1869, (as *P. cyanospilus*); Sauvage, 1879, p. 206 (as *Pomacentrus vitianus*); Fishbase 2009, p. 18

Stegastes nigricans (Lacépède, 1802)

Günther, 1862, 4, p.28 (as *Pomacentrus scolopsis*); Fishbase 2009, p.18

Stegastes sp. and sp. 1 (2 FISH)

Royal Ontario Museum Records (Great Astrolabe Reef Collection)

Molidae (Oceanic Sunfishes)

Masturus lanceolatus (Lienard, 1840)

Carpenter and Niem, 2001, (vol. 6), p. 3964

Mola mola Linnaeus, 1758

Wright, 1969, p. 121; Carpenter and Niem, 2001, (vol. 6), p. 3967

Mola ramsayi (Giglioli, 1883)

Carpenter and Niem, 2001, (vol. 6), p. 3967

Ranzania laevis (Pennant, 1776)

Wright, 1969, pp. 105 - 106 (photograph); Fiji Post, 11/9/00. Page 1; Carpenter and Niem, 2001, (vol. 6), p. 3967.

Scaridae (Parrotfishes)

Bolbometopon muricatum (Valenciennes, 1839-40)

Cavuilati, 1980, p. 114; Carpenter and Niem, 2001, p. 3473

Calostomus carolinus (Valenciennes, 1839-40)

Günther, 1873 - 1910, 8, p. 300 (as *C. genistratus*); Carpenter and Niem, 2001, p. 3473

Calotomus spinidens (Quoy and Gaimard, 1824)

Schmeltz, 1881, p. 7 (as *Callyodon spinidens*); Carpenter and Niem, 2001, p. 3474; Randall, 2005, p. 446

Cetoscarus bicolor Ruppell; 1829

Carpenter and Niem, 2001, p. 3474; Earle, 2004, p.5; Brown, 2006, p. 47 (see *Cetoscarus ocellatus* below)

**Cetoscarus ocellatus* Valenciennes in Cuvier & Valenciennes, 1840)

Carlson, 1975, p. 60 (as *C bicolor* Ruppell, 1829)

Randall, 2005, p. 447 says *C bicolor* is a Red Sea species.

Chlororus japonensis Bloch, 1789

Earle, 2004, p.5

Hipposcarus longiceps (Valenciennes, 1839-40)

Underwater Visual Census, 1995, Appendices 5.1 and 5.3; Jennings and Polunin, 1996, p. 403; Carpenter and Niem, 2001, p. 3480; Earle, 2004, p. 6; Brown, 2006, p. 47

Leptoscarus vaigensis (Quoy and Gaimard, 1824)

Schmeltz, 1869, p. 23 (as *Scarichthys auritus*); Carpenter and Niem, 2001, p. 3480

Scarus altipinnis (Steindachner, 1879)

UVC, 1995, Appendix 5.1; Carpenter and Niem, 2001, p. 3481; Earle, 2004, p. 6

Scarus bleekeri (de Beaufort, 1940)

Carlson, 1975, p. 60; Carpenter and Niem, 2001, p. 3475 (as *Chlorurus bleekeri*); Allen *et al.*, 2003, p. 175 (as *Chlorurus bleekeri*); Earle, 2004, p.5 (as *Chlororus bleekeri*); Randall, 2005, p. 448; Brown, 2006, p. 47 (as *Chlorurus bleekeri*)

Scarus bowersi Snyder, 1909

Carlson, 1985, *pers. comm.*

Scarus brunneus Jenkins, 1899 (1900)

Kendall and Goldsborough, 1911

Scarus chameleon Choat and Randall, 1986

Randall, Allen and Steene, 1990, p. 346; Carpenter and Niem, 2001, p. 3481; Earle, 2004, p. 6; Randall, 2005, p. 453

Scarus chlorodon Jenyns, 1842 (Fulaga, Lau)

James Teri (*pers comm.* 2004)

Scarus dimidiatus Bleeker, 1859

Randall and Choat, 1980, p. 403; Carpenter and Niem, 2001, p. 3482

**Scarus dubius* Bennett, 1828

Günther, 1862, 4, p. 229. An endemic Hawaiian species erroneously listed from Fiji.

Scarus erythrodon Valenciennes, 1839

Herre, 1936, p. 331

Scarus falcipinnis (Playfair, 1867)

Royal Ontario Museum Records (Great Astrolabe Reef Collection). Myers, 1991, p. 196 says this is a West Indian Ocean species and replaces *S. prasiognathus* there.

Scarus festivus Valenciennes, 1840

Raj and Seeto, 1982, p. 24 (as *Scarus lunula*)

Scarus flavipectoralis Schultz, 1958

James Teri (pers comm. 2004)

Scarus fosteni (Bleeker, 1861)

Jennings and Polunin, 1996, p. 403; Carpenter and Niem, 2001, p. 3483

Scarus frenatus Lacépède, 1802

Jordan and Dickerson, 1980, p. 614 (as *Callyodon upolensis*); Carpenter and Niem, 2001, p. 3484; Earle, 2004, p. 6

Scarus frontinalis Valenciennes, 1840

UVC, 1995, Appendix 5.3; Carpenter and Niem, 2001, p. 3476 (as *Chlorurus frontalis*)

**Scarus fuscopurpureus* (Klunzinger, 1871)

Royal Ontario Museum Records (Great Astrolabe Reef). A Red Sea to Arabian Gulf speies.

Scarus ghobban Forsskål, 1775

Randall and Choat, 1980, p. 403; Carpenter and Niem, 2001, p. 3484; Earle, 2004, p. 6

Scarus globiceps Valenciennes, 1839-40

Kner, 1867, p. 352 (as *Pseudoscarus spilonotus*); Carpenter and Niem, 2001, p. 3485; Randall, 2005, p. 456

Scarus microrhinos Bleeker, 1854

Günther, 1880, p. 36 (as *Pseudoscarus microrhinos*); Carpenter and Niem, 2001, p. 3477 (as *Chlorurus microrhinos*); Nair, 2003, p. 57 (as *Chlorurus microrhinos*); Earle, 2004, p. 5; Brown, 2006, p. 47 (as *Chlorurus microrhinos*). This species was popularly known as *Scarus gibbus*.

Scarus niger Forsskål, 1775

Schmeltz, 1869 (p. 23) (as *Pseudoscarus nuchipunctatus*); Carpenter and Niem, 2001, p. 3487; Earle, 2004, p. 6

Scarus oviceps Valenciennes, 1839-40

Fowler, 1940, p. 790 (as *S. pectoralis*); Carpenter and Niem, 2001, p. 3487

Scarus prasiognathos Valenciennes, 1839

Carlson, 1975, p. 60 (as *S. chlorodon*). The name *Scarus janthochir* has been used for this species too.

Scarus psittacus (Forsskål, 1775)

Sauvage, 1879, p. 225 (as *Pseudoscarus Filholi*); Carpenter and Niem, 2001, p. 3488; Earle, 2004, p. 6. *Scarus fosteri* (Bleeker, 1861) was a popular name. *Scarus galena* was used by Whitley, 1927, p. 7

Scarus pyrrhurus (Jordan & Seale, 1906)

Ballou, 1995, pers. comm.; UVC, 1995, Appendix 5.3

Scarus rivulatus Valenciennes, 1839.

Raj and Seeto, 1982, p. 24 (as *Scarus fasciatus*); Earle, 2004, p. 6

Scarus rubroviolaceus Bleeker, 1847-49

Jordan and Dickerson, 1908 (p. 6140 (as *Callyodon upolensis*); Carpenter and Niem, 2001, p. 3490; Earle, 2004, p. 6

Scarus schlegei (Bleeker, 1861)

Ballou, 1995, pers. comm.; UVC, 1995, Appendix 5.3; Carpenter and Niem, 2001, p. 3490; Earle, 2004, p. 6

Scarus singaporensis Bleeker, 1851

Williams, 1997, p. 16

Scarus sordidus Forsskål, 1775

Schmeltz, 1879, p. 55 (as *Pseudoscarus gymnognathus*); Carpenter and Niem, 2001, p. 3478 (as *Chlorurus sordidus*); Earle, 2004, p. 5 (as *Chlorurus sordidus*)

Scarus spinus (Kner, 1868)

Kner, 1868, pp. 31, 354 (as *Pseudoscarus spinus*) (type Kadavu); Carpenter and Niem, 2001, p. 3491; Earle, 2004, p. 6; Randall, 2005, p. 461

**Scarus* sp.

Royal Ontario Museum Records (Great Astrolabe Reef Collection)

Scarus taeniurus Cuvier & Valenciennes, 1839

Schultz, ca.1969, p. 17

Scarus xanthopleura Bleker, 1853

Spearfishers, Nabuakalou Creek, 5th May 2007 (bright red parrotfish) Reported by Randy Thaman

Labridae (Wrasses)

Anampses caeruleopunctatus Rüppell, 1828-29

Randall, 1972, p. 160; Carpenter and Niem, 2001, p. 3404; Earle, 2004, p.5

Anampses geographicus Valenciennes, 1839

Schmeltz, 1869, p. 22; Schmeltz, 1869, p. 22 (as *A. pterophthalmus*); Carpenter and Niem, 2001, p. 3405; Allen *et al.*, 2003, p. 207; Earle, 2004, p.5; Randall, 2005, p. 389

Anampses neoguinaicus Bleeker, 1878

Sauvage, 1880, p. 224 (as *A. fidjensis*); Carpenter and Niem, 2001, p. 3406; Earle, 2004, p.5; Randall, 2005, p. 391

Anampses twistii Bleeker, 1856

Sauvage, 1880, p. 224; Carpenter and Niem, 2001, p. 3407; Earle, 2004, p.5

Biochoeres cf cosmetes Randall and Smith, 1982

Kuiter and Debelius, 2006, p. 592

Bodianus anthioides (Bennett, 1831)

Carlson, 1975, p. 53; Carpenter and Niem, 2001, p. 3408; Earle, 2004, p.5

Bodianus axillaris (Bennett, 1831)

Carlson, 1975, p. 53; Earle, 2004, p.5

Bodianus bilunulatus bilunulatus (Lacépède, 1802)

Carlson, 1975, p. 53

Bodianus diana (Lacépède, 1801)

Carlson, 1975, p. 53; Carpenter and Niem, 2001, p. 3410; Earle, 2004, p.5

Bodianus hirsutus (Lacépède, 1802)

Carcasson, 1977, p. 186

Bodianus loxozonus (Synder, 1908)

Lewis (n.d.) Fisheries photo; Jennings and Polunin, 1996, p. 402; Carpenter and Niem, 2001, p. 3411; Earle, 2004, p.5

Bodianus mesothorax (Bloch and Schneider, 1801)

Schmeltz, 1869 (p. 22) (as *Cossyphus mesothorax*); Randall, 2005, p. 394

Bodianus perditio (Quoy and Gaimard, 1834)

Sighted by Nick Dulvy, 1999, in Southern Lau.; Carpenter and Niem, 2001, p. 3412

Bodianus sepiacaudus Gomon, 2006

Fishbase 2009, p. 3

Cheilinus bimaculatus Valenciennes, 1840

Royal Ontario Museum Records (Great Astrolabe Reef Collection)

Cheilinus chlorourus (Bloch, 1791)

Günther, 1880, p. 36 (as *Chilinus chlorurus*); Carpenter and Niem, 2001, p. 3413; Earle, 2004, p.5

Cheilinus diagrammus (Lacépède, 1801)

Schmeltz, 1869, p. 22 (as *C. radiatus*)

Cheilinus fasciatus (Bloch, 1791)

Borodin, 1932, p. 94; Carpenter and Niem, 2001, p. 3414; Earle, 2004, p.5

Cheilinus orientalis Günther, 1862

Williams, 1997, p. 5

Cheilinus oxycephalus Bleeker, 1853

Carlson, 1975, p. 54; Emery and Winterbottom, 1983, pp. 10, 11, 14 (as *Cheilinus pterogogas*). According to R. Winterbottom *pers. comm.* *Cheilinus pterogogas* is a *lapsus* and should be changed to *C. oxycephalus*. *Lapsus* is a involuntary error.

**Cheilinus* sp.

Royal Ontario Museum Records (Great Astrolabe Reef Collection); Raj *et al.*, 1981, p. 7. (as *Thalliurus* sp.)

Cheilinus trilobatus Lacépède, 1801

Sauvage, 1879, p. 224 (as *C. pulchellus*); Carpenter and Niem, 2001, p. 3415; Earle, 2004, p.5

Cheilinus undulatus Rüppell, 1835

Kendall and Goldsborough, 1905 (06), p. 309; Carpenter and Niem, 2001, p. 3416

Cheilinus unifasciatus Streets, 1877

Zug *et al.*, 1988, p. 10

Cheilio inermis (Forsskål, 1775)

Schmeltz, 1869, p. 23; Carpenter and Niem, 2001, p. 3417

Choerodon anchorago (Bloch, 1791)

Carpenter and Niem, 2001, p. 3418

**Choerodon fasciatus* (Günther, 1867)

Greenberg, 1985, p. 1. A doubtful record from Fiji.

Choerodon jordani (Snyder, 1908)

Randall, Allen and Steene, 1990, p. 307; Randall, 2005, p. 401

Choerodon zamboangae (Seale and Bean, 1907)

Raj and Seeto, 1984

**Choerodon venustus* (De Vis, 1884)

Turbett, 1940, p. 37. A Western Australian species not known from Fiji.

Cirrhilabrus exquisitus Smith, 1957

Mahaney and Mahaney, 2000, p. 90, Carpenter and Niem, 2001, p. 3424; Earle, 2004, p.5; Kuiter and Debelius, 2006, p. 579 (as *Cirrhilabrus cf exquisitus*)

Cirrhilabrus majorie Allen, Randall & Carlson, 2003

Randall, 2005, p. 402 (endemic), Kuiter and Debelius, 2006, p. 575

Cirrhilabrus punctatus Randall and Kuiter, 1989

Royal Ontario Museum Records (Great Astrolabe Reef Collection); Lieske and Myers, 1994, p. 139; Earle, 2004, p.5; Randall, 2005, p. 403

Cirrhilabrus rhomboidalis Randall, 1988

Williams, 1997, p. 6

Cirrhilabrus rosefasciata Randall & Lubbock, 1982
Randall, 2005, p. 403

Cirrhilabrus rubrimarginatus Randall, 1992
Randall, 1992; Allen *et al.*, 2003, p. 198; Randall, 2005, p. 403

Cirrhilabrus scottorum Randall and Pyle, 1989
Lieske and Myers, 1994, p. 94

**Cirrhilabrus* sp. #1 - 4
Carlson, 1975, pp. 54, 55 (check these specimens)

**Cirrhilabrus* sp.
Zug *et al.*, 1988, p. 10

Cirrhilabrus temmincki Bleeker, 1852
Williams, 1997, p. 6

Coris aygula Lacépède, 1801
Carlson, 1975, p. 55; Carpenter and Niem, 2001, p. 3427

Coris batuensis (Bleeker, 1856)
Sighted by Nick Dulvy, 1999, in Southern Lau (as *Coris schroederi* Bleeker, 1858); Randall, 1999b, p. 19

Coris dorsomacula Fowler, 1908
Fishbase; Sighted by Nick Dulvy, 1999, in Southern Lau; Earle, 2004, p.5

Coris gaimard (Quoy and Gaimard, 1824)
Schmeltz, 1869, p. 22 (as *Julis pulcherrima*); Carpenter and Niem, 2001, p. 3428; Earle, 2004, p.5

**Coris variegata* (Rüppell, 1835)
Royal Ontario Museum Records (Great Astrolabe Reef Collection)
Randall, 1999b says this species is from the Red Sea only.

Cymolutes lecluse (Quoy and Gaimard, 1824)
Herre, 1936, p. 330

Cymolutes praetextatus (Quoy and Gaimard, 1834)
Royal Ontario Museum Records (Great Astrolabe Reef Collection);
Carpenter and Niem, 2001, p. 3429

Diproctacanthus xanthurus (Bleeker, 1856)
Carlson, 1975, p. 55

Epibulus insidiator (Pallas, 1770)
Schmeltz, 1869, p. 22; Carpenter and Niem, 2001, p. 3431; Earle, 2004, p.5

Gomphosus varius Lacépède, 1801
Schmeltz, 1869, p. 23; Carpenter and Niem, 2001, p. 3432; Earle, 2004, p.5

Halichoeres argus (Bloch and Schneider, 1801)
Schmeltz, 1869, p. 23 (as *PlatyGLOSSUS guttatus*); Allen *et al.*, 2003, p. 216; Randall, 2005, p. 410

Halichoeres binotopsis (Bleeker, 1849)
Schmeltz, 1869, p. 23 (as *PlatyGLOSSUS binotopsis*)

Halichoeres biocellatus Schultz, 1960
Carlson, 1975, p. 55; Earle, 2004, p.5

Halichoeres chrysus Randall, 1981
Blaber *et al.*, 1993b, p. 107

Halichoeres fijiensis Herre, 1935
Herre, 1935, p. 140

Halichoeres hortulanus (Lacépède, 1801)
Schmeltz, 1869, p. 22 (as *PlatyGLOSSUS hortulanus*); Carpenter and Niem, 2001, p. 3434; Earle, 2004, p.5

Halichoeres margaritaceus (Cuvier and Valenciennes, 1839)
Günther, 1862, 4, p. 148 (as *PlatyGLOSSUS opercularis*)

Halichoeres marginatus Rüppell, 1835
Schmeltz, 1879, p. 54; Boulenger, 1897, p. 374 (as *PlatyGLOSSUS notopsis*); Carpenter and Niem, 2001, p. 3435; Earle, 2004, p.5

Halichoeres melanurus (Bleeker, 1851)
Herre, 1936, p. 301 (as *H. hoevenii* - the female phase); Herre, 1936, p. 308 (as *Halichoeres kallochroma* (Bleeker, 1853) for male; Carpenter and Niem, 2001, p. 3436

Halichoeres miniatus (Kuhl and Van Hasselt, 1839)
Schmeltz, 1869, p. 22 (as *PlatyGLOSSUS miniatus*)

Halichoeres nebulosus (Valenciennes, 1839)
Schmeltz, 1869, p. 22 (as *PlatyGLOSSUS poecilus*); Jordan and Dickerson, 1908, p. 614 (as *H. daedalma*); Nair, 2003, p. 53. Myers 1991 p. 186 say this is a West Indian Ocean species.

Halichoeres ornatissimus (Garrett, 1863)
FishBase (ICLARM) p. 5 (citing Randall *et al.*, 1990 but that text only mentions Islands of Oceania and Western Pacific). Possible record. Sighted by Nick Dulvy, 1999, in Southern Lau; Earle, 2004, p.5.

Halichoeres prosopion (Bleeker, 1853)
Carlson, 1975, p. 56; Carpenter and Niem, 2001, p. 3437; Earle, 2004, p.5

Halichoeres scapularis (Bennett, 1831)
Emery and Winterbottom, 1983, pp. 10, 11

**Halichoeres* sp
McGrouter, 1997, p. 5

Halichoeres timorensis (Bleeker, 1852)

- Schmeltz, 1869, p. 23 (as *PlatyGLOSSUS timorensis*)
- Halichoeres trimaculatus* (Quoy and Gaimard, 1834)
Günther, 1880, p. 36 (as *PlatyGLOSSUS trimaculatus*)
- Halichoeres vrolikii* (Bleeker, 1855)
Herre, 1936, p. 307
- Hemigymnus fasciatus* (Bloch, 1792)
Boulenger, 1897, p. 373; Carpenter and Niem, 2001, p. 3438; Earle, 2004, p.5
- Hemigymnus melapterus* (Bloch, 1791)
Fowler, 1928, p. 337; Carpenter and Niem, 2001, p. 3439; Earle, 2004, p.5
- Hologymnosus annulatus* (Lacépède, 1801)
Schmeltz, 1869, p. 23 (as *Coris annulatus*); Carpenter and Niem, 2001, p. 3440; Earle, 2004, p.5. This was also once known as *Hologymnosus semidiscus*.
- Hologymnus doliatus* (Lacépède, 1801)
Royal Ontario Museum Records (Great Astrolabe Reef Collection);
Carpenter and Niem, 2001, p. 3441; Earle, 2004, p.5
- **Hologymnosus* sp.
McGrouter, 1997, p. 5
- Labrichthys unilineatus* (Guichenot, 1847)
Carlson, 1975, p. 57; Carpenter and Niem, 2001, p. 3442
- Labroides bicolor* Fowler and Bean, 1928
Carlson, 1975, p. 57; Earle, 2004, p.5
- Labroides dimidiatus* (Valenciennes, 1839)
Schmeltz, 1869, p. 22; Carpenter and Niem, 2001, p. 3443; Earle, 2004, p. 5; Kuitert and Debelius, 2006, p. 606
- Labroides pectoralis* Randall and Springer, 1975
Carlson, 1975, p. 58 (as *Labroides* sp.);
- Labroides rubrolabiatus* Randall, 1958
Bandy, 1991, p. 7; Lieske and Myers, 1994, p. 104
- **Labropsis* sp. Check USP specimen #2134
Carlson, 1975, p. 92
- Labropsis australis* Randall, 1981
Randall, 1981, p. 149; Carpenter and Niem, 2001, p. 3444; Allen et al., 2003, p. 236; Randall, 2005, p. 422
- **Labropsis* sp.
Royal Ontario Museum Records (Great Astrolabe Reef Collection)
- Labropsis xanthonota* Randall, 1981
- Sighted by Nick Dulvy, 1999, in Southern Lau; Earle, 2004, p.5
- Lepidaplois perditio* Quoy and Gaimard, 1834
Günther, 1862, p. 105 (as *Cossyphorus atrolumbus*). See above!
- **Macropharyngodon geoffrey* (Quoy and Gaimard, 1824)
Whitley, 1927a, p. 7. According to Randall, (1978) this is a Hawaiian endemic species.
- Macropharyngodon meleagris* (Valenciennes, 1839)
Schmeltz, 1869, p. 22 (as *PlatyGLOSSUS geoffroyi*); Kner, 1867, p. 728 (as *LeptoJulis pardalis*); Boulenger, 1897, p. 374 (as *PlatyGLOSSUS nigromaculatus*); Carpenter and Niem, 2001, p. 3446; Earle, 2004, p.5
- Macropharyngodon negrosensis* Herre, 1932
Randall, 1978, p. 763
- Novaculichthys macrolepidotus* (Bloch, 1791)
McGrouter, 1997, p. 7; Randall, 2004, p. 38 (as *Novaculoides macrolepichthys*)
- Novaculichthys taeniourus* (Lacépède, 1801)
Jordan and Dickerson, 1908, p. 614 (as *N. taeniurus*); Carpenter and Niem, 2001, p. 3447; Nimmerfroth, 2006, p. 39
- Oxycheilinus arenatus* (Valenciennes, 1840)
Carpenter and Niem, 2001, p. 3448
- Oxycheilinus bimaculatus* (Valenciennes, 1840)
= *Cheilinus bimaculata*. Greenfield, 2003, list
- Oxycheilinus diagrammus* (Lacépède, 1801)
Carpenter and Niem, 2001, p. 3449; Earle, 2004, p.5; Brown 2006, p. 49
- Oxycheilinus orientalis* (Günther, 1862)
Earle, 2004, p. 5.
- Paracheilinus mccoskeri* Randall and Harmelin-Vivien, 1977
Lieske and Myers, 1994, p. 95
- Paracheilinus rubricaudalis* Randall and Allen, 2003
Randall, 2005, p. 429 (type from Fiji), Kuitert and Debelius, 2006, p. 574 (as *P. rubricauda*). <http://Intreasures.com/fijimf.html> (as endemic). See next entry.
- **Paracheilinus* n. sp. Randall MS
Carlson, 1985, pers. comm. (probably is the one just above)
- Pseudocheilinus evanidus* Jordan and Evermann, 1903
Carlson, 1975, p. 58; Earle, 2004, p.5
- Pseudocheilinus hexataenia* (Bleeker, 1857)
Schmeltz, 1869, p. 22 (as *P. psittacula*); Earle, 2004, p.5

- Pseudocheilinus ocellatus* Randall, 1999
Carlson, 1985, *pers. comm.* (Randall MS); Randall, 1999a, pp. 21-22; Randall, 2005, p. 430
- Pseudocheilinus octotaenia* Jenkins, 1900
Royal Ontario Museum Record (Great Astrolabe Reef Collection); Carpenter and Niem, 2001, p. 3454; Earle, 2004, p.5
- Pseudocheilinus tetrataenia* Schultz, 1960
Royal Ontario Museum Record (Great Astrolabe Reef Collection)
- Pseudocoris yamoshiroi* (Schmidt, 1930)
Williams, 1997, p. 15; Carpenter and Niem, 2001, p. 3455; Randall and Walsh, 2008, p. 49
- Pseudodax moluccanus* (Valenciennes, 1839)
Zug *et al.*, 1988, p. 10; Carpenter and Niem, 2001, p. 3456; Earle, 2004, p.5
- Pseudojuloides cerasinus* (Snyder, 1904)
Randall and Randall, 1981, pp. 64, 66
- Pteragogus cryptus* Randall, 1981
Royal Ontario Museum Records (Great Astrolabe Reef Collection); Carpenter and Niem, 2001, p. 3458; Earle, 2004, p.5
- **Pterarogus* sp
McGrouter, 1997, p. 8
- **Stethojulis albovittata* (Bonnaterre, 1788)
Schmeltz, 1869, p. 22; Whitley, 1927a, p. 7. An Indian Ocean species erroneously listed from Fiji. Myers, 1991 (p. 189) says this is a West Indian Ocean species. Williams 1997, p. 16 say it is in Fiji. A doubtful species from Fiji.
- **Stethojulis balteata* (Quoy and Gaimard, 1824)
Günther, 1873, 7, p. 410 (as *S. axillaris*). According to Myers, 1991, p. 188 and Randall, 2000, p. 12, *S. balteata* is a Hawaiian species. A doubtful record for Fiji.
- Stethojulis bandanensis* (Bleeker, 1851)
Jordan and Seale, 1906, p. 297; Carpenter and Niem, 2001, p. 3459; Earle, 2004, p.5
- **Stethojulis interrupta* (Bleeker, 1851)
Schmeltz, 1869, p.22 (as *S. kalosoma*). Randall, 2000, p. 16-18 says this species is not found in Fiji and no specimens were found in collections.
- **Stethojulis maculata* Schmidt, 1931
Winterbottom and Burrige-Smith, 1987, p. 410
Randall, 2000, p. 20 say this is a mis-identification based on a male terminal phase of *Stethojulis notialis*.
- Stethojulis marquesensis* Randall, 2000
Fishbase 2009, p. 18
- Stethojulis notialis* Randall, 2000
- Randall, 2000, p. 24-25 (holotype from Fiji); Allen *et al.*, 2003, p. 225; Randall, 2005, p. 436; Kuitert and Debelius, 2006, p. 605
- Stethojulis strigiventer* (Bennett, 1832)
Schmeltz, 1869, p. 22; Schmeltz, 1869, p. 22 (as *S. renardi* -male form)
- Stethojulis trilineata* (Bloch and Schneider, 1801)
Schmeltz, 1862, p. 22 (as *S. phekadopleura*); Boulenger, 1897, p. 373 (as *Julis casturi*); Sauvage, 1897, p. 225 (as *S. filholi*)
- Thalassoma amblycephalum* (Bleeker, 1856)
Boulenger, 1897, p. 374 (as *Julis amblycephalus*); Carpenter and Niem, 2001, p. 3461; Earle, 2004, p.5
- Thalassoma cupido* ? Schlegel, 1842
Raj and Seeto, 1982, p. 23
- Thalassoma hardwickii* (Bennett, 1830)
Günther, 1862, 4, p. 190 (as *Julis dorsalis*); Earle, 2004, p.5
- Thalassoma janseni* (Bleeker, 1856)
Günther, 1862, 4, p. 187 (as *Julis janseni*); Earle, 2004, p.5
- Thalassoma lunare* (Linnaeus, 1758)
Carlson, 1975, p. 59; Carpenter and Niem, 2001, p. 3462; Earle, 2004, p.5
- Thalassoma lutescens* (Lay and Bennett, 1839)
Schmeltz, 1869, p. 23 (as *T. aneitense*); Earle, 2004, p.5
- Thalassoma nigrofasciatum* Randall, 2003
Randall, 2003, p. 1; Randall, 2005, p. 440
- Thalassoma purpureum* (Forsskål, 1775)
Boulenger, 1897, p. 374 (as *H. umbrostigma*)
- Thalassoma quinquevittatum* (Lay and Bennett, 1839)
Fowler, 1928, p. 350; Earle, 2004, p.5
- **Thalassoma* sp.
Royal Ontario Museum Records (Great Astrolabe Reef Collection)
- Thalassoma trilobatum* (Lacépède, 1801-1802)
Boulenger, 1897, p. 373 (as *Julis umbrostigma* in part)
- Wetmorella albofasciata* Schultz and Marshall, 1954
Randall, 1983, p. 874; Randall, 2005, p. 442
- Wetmorella nigropinnata* (Seale, 1901)
Randall, 1983, p. 879; McGrouter, 1997, p. 10 (as *W. ocellata*); Carpenter and Niem, 2001, p. 3463
- Xyrichtys javanicus* (Bleeker, 1862)
Whitley, 1927a, p. 7

Xyrichthys pavo (Valenciennes, 1839)

Peters, 1876, p. 843 (as *Novacula (Xyrichthys) carneoflava*) (Dana Peak in ?Fiji); Carpenter and Niem, 2001, p. 3466

Yellow hogfish

www.amdareef.com/el_hog_parrot.htm

Chaetodontidae (Butterfly Fishes)

Chaetodon auriga Forsskål, 1775

Schmeltz, 1869, p. 24 (as *C. nesogallicus*); Boulenger, 1897, p. 372 (as *C. setifior*); Carpenter and Niem, 2001, p. 3236; Earle, 2004, p.3

Chaetodon baronessa Cuvier, 1831

Schmeltz, 1869, p. 15; Carpenter and Niem, 2001, p. 3237; Earle, 2004, p.3; Randall, 2005, p. 310

Chaetodon bennetti Cuvier, 1831

Carlson, 1975, p. 35; Carpenter and Niem, 2001, p. 3237; Earle, 2004, p. 3.

Chaetodon citrinellus Cuvier, 1831

Günther, 1860, 2, p. 33; Carpenter and Niem, 2001, p. 3238; Earle, 2004, p. 3.

Chaetodon ephippium Cuvier, 1831

Günther, 1860, 2, p. 7; Carpenter and Niem, 2001, p. 3240; Earle, 2004, p. 3.

**Chaetodon falcula* Bloch, 1793

Carcasson, 1977, p. 155; McGrouter, 1997, p. 3; Brown, 2006, p. 45. According to Burgess, (1978, p. 608) references to this Indian Ocean species in the Pacific are referable to *C. ulietensis*. Burgess, 1978, p. 610 says *C. falcula* is found in the Indian Ocean to Sumatra only.

Chaetodon flavirostris Günther, 1873

Carlson, 1975, p. 36; Carpenter and Niem, 2001, p. 3240

Chaetodon kleinii Bloch, 1790

Carlson, 1975, p. 36; Carpenter and Niem, 2001, p. 3242; Earle, 2004, p.3

Chaetodon lineolatus Cuvier, 1831

Carlson, 1975, p. 36; Carpenter and Niem, 2001, p. 3242

Chaetodon lunula (Lacépède, 1803)

Boulenger, 1897, p. 372; Carpenter and Niem, 2001, p. 3243

Chaetodon lunulatus Quoy and Gaimard, 1824

Allen, Steene, and Allen, 1998, p. 109; Earle, 2004, p.3

Chaetodon melannotus Bloch and Schneider, 1801

Günther, 1860, 2, p. 28 (as *C. dorsalis*); Carpenter and Niem, 2001, p. 3243

Chaetodon mertensii Cuvier, 1831

Carlson, 1975, p. 36; Carpenter and Niem, 2001, p. 3244; Earle, 2004, p. 3.

Chaetodon meyeri Bloch and Schneider, 1801

Carpenter and Niem, 2001, p. 3244; Randall, 2005, p. 316

Chaetodon octofasciatus Bloch, 1787

Steene, 1977, p. 32; Nair, 2003, p. 50; Fishbase 2009, p. 4.

Chaetodon ornatissimus Cuvier, 1831

Carlson, 1975, p. 36; Carpenter and Niem, 2001, p. 3246

Chaetodon oxycephalus Bleeker, 1853

Fishbase 2009, p. 5

Chaetodon pelewensis Kner, 1868

Boulenger, 1897, p. 372 (as *C. pelevensis*); Carpenter and Niem, 2001, p. 3247; Earle, 2004, p. 3.

Chaetodon plebeius Cuvier, 1831

Schmeltz, 1869, p. 24 (as *C. plebejus*); Carpenter and Niem, 2001, p. 3247; Allen *et al.*, 2003, p. 20; Earle, 2004, p.3; Randall, 2005, p. 319

Chaetodon quadrimaculatus Gray, 1831

Boulenger. 1897. p. 372; Nick Dulvy (Lau - April, 1999)

Chaetodon rafflesii Bennett, 1830

Schmeltz, 1869. p. 15; Carpenter and Niem, 2001, p. 3249; Earle, 2004, p. 3.

**Chaetodon rainfordi* McCulloch, 1923

Greenberg, J. 1985, p. 1. A doubtful species from Fiji.

Chaetodon reticulatus Cuvier, 1831

Schmeltz, 1869, p. 15; Carpenter and Niem, 2001, p. 3250; Earle, 2004, p. 3.

Chaetodon semeion Bleeker, 1855

Allen, 1979, p. 324; Carpenter and Niem, 2001, p. 3251

Chaetodon speculum Cuvier, 1831

Allen, Steene, and Allen, 1998, p. 115; Carpenter and Niem, 2001, p. 3252; Randall, 2005, p. 320

**Chaetodon triangulum* Cuvier, 1831

Fowler, 1959, p. 309. An Indian Ocean species closely resembling *C. baronessa* in the Pacific. McGrouter, 1997, p. 5 (as *Gonochaetodon triangulum*). A doubtful species from Fiji.

Chaetodon trifascialis Quoy and Gaimard, 1824

Carlson, 1975, p. 37 (as *Megaprotodon trifascialis*); Carpenter and Niem, 2001, p. 3253

Chaetodon trifasciatus Mungo Park, 1797

Boulenger, 1897, p. 372 (as *C. vittatus*); An Indian Ocean species?

(Allen, Steene, and Allen, 1998, p. 110); Ryan, 2000, p. 140 (photo); Carpenter and Niem, 2001, p. 3254; Brown, 2006, p. 45

Chaetodon ulietensis Cuvier, 1831

Carlson, 1975, p. 35; Carpenter and Niem, 2001, p. 3254; Earle, 2004, p.3

Chaetodon unimaculatus Bloch, 1787

Carlson, 1975, p. 38; Carpenter and Niem, 2001, p. 3255; Earle, 2004, p.3

Chaetodon vagabundus Linnaeus 1758

Günther, 1880, p. 34; Carpenter and Niem, 2001, p. 3255; Earle, 2004, p. 3

**Chelmon rostratus* (Linnaeus, 1758)

Greenberg, 1985, p. 1. Possibly a doubtful species from Fiji.

Forcipiger flavissimus Jordan and McGregor, 1898

Carlson, 1975, p. 38; Carpenter and Niem, 2001, p. 3260; Earle, 2004, p. 3

Forcipiger longirostris (Broussonet, 1782)

Fowler, 1940, p. 780; Rosseler, 1993, p. 62; Carpenter and Niem, 2001, p. 3260; Earle, 2004, p.3. Allen (1980) does not list this species from Fiji but Allen, Steene, and Allen (1998, p. 184) do.

Hemitaurichthys polylepis (Bleeker, 1857)

Carlson, 1975, p. 38; Carpenter and Niem, 2001, p. 3261; Earle, 2004, p. 3

Heniochus acuminatus (Linnaeus, 1758)

Schmeltz, 1869, p. 15 (as *H. macrolepidotus*); Carpenter and Niem, 2001, p. 3262; Earle, 2004, p. 3

Heniochus chrysostomus Cuvier, 1831

Schmeltz, 1869, p. 25 (as *H. Chrysostoma*); Pöhl, 1884, p. 28 (as *Heniochus permutatus*); Carpenter and Niem, 2001, p. 3262; Allen et al., 2003, p. 28; Earle, 2004, p. 3

Heniochus diphreutes Jordan, 1903 (a deep water species)

Royal Ontario Museum Record (Great Astrolabe Reef Collection); Earle, 2004, p.3; Nimmerfroh, 2006, p. 50. Allen, Steene, and Allen, 1998, p. 190 say this species is not found in Fiji.

Heniochus monoceros Cuvier, 1831

Carlson, 1975, p. 39; Carpenter and Niem, 2001, p. 3263

Heniochus singularis Smith and Radcliffe, 1911

UVC, 1995, Appendix 5.3; Carpenter and Niem, 2001, p. 3264; Earle, 2004, p.3

Heniochus varius (Cuvier, 1829)

Schmeltz, 1869, p. 15 (as *Heniochus (Taurichthys) varius*); Carpenter and Niem, 2001, p. 3264; Earle, 2004, p.3

Parachaetodon ocellatus (Cuvier, 1831)

Schmeltz, 1869, p. 15 (as *Chaetodon ocellatus*)

Pomacanthidae (Angelfishes)

Apolemichthys trimaculatus (Valenciennes, 1831)

Carlson, 1985, pers. comm. (as *Apblemichthys trimaculatus*); Allen, Steene and Allen, 1998, p. 24; Carpenter and Niem, 2001, p. 3272

**Centropyge* n. sp.

Emery and Winterbottom, 1983, p. 21. Probably refer to the species just below.

Centropyge aurantia Randall & Wass, 1974

Allen, Steene and Allen, 1998, p. 35

Centropyge bicolor (Bloch, 1787)

Fowler, 1940, p. 781; Carpenter and Niem, 2001, p. 3273; Earle, 2004, p.4

Centropyge bispinosus (Günther, 1860)

Carlson, 1975, p. 39; Carpenter and Niem, 2001, p. 3273 (as *C. bispinosa*); Earle, 2004, p.4

Centropyge colini Smith-Vaniz & Randall, 1974

Myers, 1991, p. 160; Carpenter and Niem, 2001, p. 3274; Randall, 2005, p. 333

Centropyge flavicauda Fraser-Brunner, 1933

Carlson, 1975, p. 40; Carpenter and Niem, 2001, p. 3275

Centropyge flavissima (Cuvier, 1831)

Günther, 1874 (as *Holacanthus flavissimus*); Carpenter and Niem, 2001, p. 3274; Earle, 2004, p.4

Centropyge heraldi Woods and Schultz, 1953

Carlson, 1975, p. 40; Randall and Carlson, 2000, p. 1 (they also note that *C. woodlandi* is the junior synonym of this species); Carpenter and Niem, 2001, p. 3275.

Centropyge loricula (Günther, 1874)

Carlson, 1975, p. 40 (as *C. loriculus*); Carpenter and Niem, 2001, p. 3276

Centropyge multicolor Randall and Wass, 1974

Lieske and Myers, 1994, p. 68; Carpenter and Niem, 2001, p. 3276; Randall, 2005, p. 336

Centropyge multifasciata (Smith and Radcliffe, 1911)

Carpenter and Niem, 2001, p. 3277

Centropyge nox (Bleeker, 1853)

Carlson, 1985, pers. comm.; Carpenter and Niem, 2001, p. 3278; Randall, 2005, p. 337. Allen, Steene and Allen, 1998, p. 53 say this species is not found in Fiji.

Centropyge tibicen (Cuvier, 1831)

Carlson, 1985, pers. comm.; Randall, 2005, p. 337. Allen, Steene and Allen, 1998, p. 54 say this species is not found in Fiji.

Centropyge vrolikii (Bleeker, 1853)

www.wetwedmedia.com/marine/fishes/angels/fijiangels.htm; Carpenter and Niem, 2001, p. 3279

Centropyge woodheadi Kuitert, 1998

www.wetwedmedia.com/marine/fishes/angels/fijiangels.htm; Allen *et al.*, 2003, p. 33

Euxhipops sexstriatus (Cuvier, 1831)

www.amdareef.com/el_angel.htm

Genicanthus melanospilos (Bleeker, 1857)

Randall, 1975, p. 406; Carpenter and Niem, 2001, p. 3283; Allen *et al.*, 2003, p. 40; Earle, 2004, p.4; Randall, 2005, p. 339; Lesley, 2006, p. 45. Allen, Steene and Allen, 1998, p. 72 say this species is not found in Fiji.

Genicanthus watanabei (Yasuda & Tominaga, 1970)

Allen, Steene and Allen, 1998, p. 76

Paracentropyge multifasciata (Smith and Radcliffe, 1911)

Allen, 1979, p. 328 (as *Centropyge multifasciatus*); www.wetwedmedia.com/marine/fishes/angels/fijiangels.htm (as *Centropyge multifasciata*)

**Pomacanthus arcuatus* (Linnaeus, 1758)

Capell, 1941, p. 113. A West Atlantic species erroneously listed from Fiji.

Pomacanthus imperator (Bloch, 1787)

Boulenger, 1897, p. 372 (as *Holacanthus nicobariensis*); Carpenter and Niem, 2001, p. 3285; Earle, 2004, p.4

Pomacanthus semicirculatus (Cuvier, 1831)

Schmeltz, 1869, p. 15 (as *Holacanthus semicirculatus*); Carpenter and Niem, 2001, p. 3285; Earle, 2004, p.4; Randall, 2005, p. 342

**Pomacanthus sexstriatus* (Cuvier, 1831) = *Euxhipops sexstriatus*?

Greenberg, 1985, p. 1. A doubtful record for Fiji.

Pygoplites diacanthus (Boddaert, 1772)

Carlson, 1975, p. 40; Carpenter and Niem, 2001, p. 3286; Earle, 2004, p.4

Pempheridae (Sweepers)

Parapriacanthus guentheri Klunzinger, 1871

Zug *et al.*, 1988, p. 12 (may be a synonym of *P. ransonneti* below)

Parapriacanthus ransonneti Steindachner, 1870

Carlson, 1975, p. 41 (as *Parapriacanthus beryciformes* Franz, 1910); Blaber *et al.*, 1993b, p. 109

Pempheris dispar Herre, 1935

Milton, Rawlinson and Sesewa, 1993, p. 96

Pempheris oualensis Cuvier, 1831

Carlson, 1975, p. 41

Pempheris schwenkii Bleeker, 1855

Randall, Allen and Steene, 1990, p. 214

Pempheris vanicolensis (Cuvier, 1831)

Earle, 2004, p.3

Ephippidae (Spadefishes)

Platax batavianus Cuvier, 1831

Blaber *et al.*, 1993b, p. 106

Platax orbicularis (Forsskål, 1775)

Günther, 1880, pp. 35, 56; Carpenter and Niem, 2001, p. 3617; Boseto, 2005, p. 198

Platax teira (Forsskål, 1775)

Carlson, 1975, p. 91; Randall, 2005, p. 570

Histiopteridae

Histiopterus tupus Schlegel, 1842

Raj and Seeto, 1982, p. 23

Kyphosidae (Rudderfishes)

Kyphosus cinerascens (Forsskål, 1775)

Blaber *et al.*, 1993b, p. 107; Carpenter and Niem, 2001, p. 3293; Earle, 2004, p.3

Kyphosus biggibus (Lacépède, 1802)

J. Seeto, *pers comm.*, Carpenter and Niem, 2001, p. 3292

Kyphosus lembus Cuvier, 1831

Lewis (n. d.) Fisheries photo.

Kyphosus vaigensis (Quoy and Gaimard, 1825)

Herre, 1936, p. 206 (as *K. waigensis*); Carpenter and Niem, 2001, p. 3295

Monodactylidae

Monodactylus argenteus (Linnaeus, 1758)

Günther, 1880, p. 35 (as *Psettus argenteus*); Carpenter and Niem, 2001, p. 3218

Scatophagidae (Scats)

Scatophagus argus (Bloch, 1788)

Carlson, 1975, p. 91; Carpenter and Niem, 2001, p. 3625; Randall, 2005, p. 571

Scatophagus atromaculatus (Bennett) is considered a synonym of the above. Professor Trond Kvernevik (Centre for Coastal Research, Norway) and J. Seeto are discussing the possibility that they are different.

Cirrhitidae (Hawkfishes)

Amblycirrhitus bimacula Jenkins, 1903

Carlson, 1975, p. 50

Amblycirrhitus oxyrhynchus (Bleeker, 1858)

Boulenger, 1897, p. 372

Cirrhichthys aprinus (Cuvier, 1829)

World Fish Centre (ICLARM) FishBase p. 4 (citing Randall *et al.*, 1990 as the sources but there is no reference to Fiji except Western Pacific); Fishbase 2009, p. 6

Cirrhichthys falco Randall, 1963

Carlson, 1975, p. 51; Royal Ontario Museum Records (Great Astrolabe Reef Collection) (as *Cirrhichthys serratus* Randall, 1963); Earle, 2004, p.4; Nimmerfroh, 2006, p. 34

Cirrhichthys oxycephalus (Bleeker, 1855)

Schmeltz, 1869, p. 15 (as *Cirrhitis oxycephalus*)

Cirrhitis pinnulatus (Bloch and Schneider, 1801)

Emery and Winterbottom, 1983, p. 36; Carpenter and Niem, 2001, p. 3326

Cyprinocirrhites polyactis (Bleeker, 1875)

Carlson, 1985, *pers. comm.*

Neocirrhites armatus Castelnau, 1873

Carlson, 1975, p. 51; Earle, 2004, p.4

Oxycirrhites typus Bleeker, 1857

Carlson, 1975, p. 51; Nimmerfroh, 2006, p. 34

Paracirrhites amblycephalus Bleeker, 1857

Carlson, 1975, p. 51

Paracirrhites arcatus (Cuvier, 1829)

Boulenger, 1897, p. 372, Earle, 2004, p.4; Nimmerfroh, 2006, p. 34

Paracirrhites forsteri (Schneider, 1801)

Fowler, 1928, p. 239; Carpenter and Niem, 2001, p. 3327; Earle, 2004, p. 4

Paracirrhites hemistictus (Gunther, 1874)

Carpenter and Niem, 2001, p. 3328; Earle, 2004, p.4

Aploactinidae (Velvetfishes)

Paraploactis sp.

Seale, 1935, p. 365 (as *Aploactisoma milesi* Richardson, 1850); Randall, 2005, p. 130

Paraploactis kagoshimensis (Ishikawa, 1904)

Poss and Eschmeyer, 1978, p. 406

Paraploactis sp.

Zug *et al.*, 1988, p. 6; Williams, 1997, p. 13

Caracanthidae (Crouchers or Orbicular Velvetfishes)

Caracanthus maculatus (Gray, 1831)

Fowler, 1928, p. 299; Earle, 2004, p.2

Caracanthus unipinna (Gray, 1831)

Schmeltz, 1869, p. 16 (as *Amphiprionichthys apistus*)

Scorpaenidae (Scorpionfishes, Lionfishes and Stonefishes)

Ablabys taenianotus (Cuvier, 1829)

Schmeltz, 1869, p. 16 (as *Tetraroge taenianotus*); Carpenter and Niem, 1999 (vol. 4) p. 2309; Allen *et al.*, 2003, p. 381; Randall, 2005, p. 129. Also known as *Amblyapistus taenianotus*. Sometimes put in Congiopodidae but now put in **Tetraroginae (subfamily)**.

Dendrochirus bellus (Jordan and Hubbs)

Royal Ontario Museum Records (Great Astrolabe Reef Collection)

Dendrochirus biocellatus (Fowler, 1938)

Carlson, 1975, p. 16

Dendrochirus brachypterus (Cuvier, 1829)

Schmeltz, 1879, p. 48 (as *Pterois brachyptera*); Jordan and Dickerson, 1908, p. 616 (as *Pterois sausaulele*); Boseto, 2005, p. 199

Dendrochirus zebra (Quoy and Gaimard, 1825)

Schmeltz, 1879, p. 43 (as *Pterois zebra*); Carpenter and Niem, 1999 (vol. 4) p. 2314; Boseto, 2005, p. 199

Eschmeyer nexus Poss and Springer, 1983

Poss and Springer, 1983, p. 309; <http://intreasrues.com/fijimf.html> (as endemic)

Inimicus didactylus (Pallas, 1769)

Fishbase. 10-June-1996.

Parascorpaena bandanensis (Bleeker, 1851)

Günther, 1860, 2, p. 117 (as *Scorpaena haplodactylus*)

Parascorpaena mcadamsi (Fowler, 1938)

Carlson, 1975, p. 18 (as *Scorpaena mcadamsi*)

Parascorpaena mossambica (Peters, 1855)

Royal Ontario Museum Records (Great Astrolabe Reef Collection); Carpenter and Niem, 1999 (vol. 4) p. 2327

Parascorpaena picta (Kuhl and Van Hasselt in Cuvier, 1829)

Carpenter and Niem, 1999 (vol. 4) p. 2327

Pontinus macropterus

JICA, 1987, p. 111 (Volume 2). Fiji or Tuvalu. Possibly wrongly identified. *Pontinus macrocephalus* (Sauvage, 1882) may be the correct spelling.

Pontinus macrocephalus Sauvage 1882

Fiji fish specimen (Randy Thaman specimen) 19/2/08

Pteroidichthys amboinensis Bleeker, 1856

Randall, 2005, p. 118

Pterois antennata (Bloch, 1787)

Royal Ontario Museum Records (Great Astrolabe Reef Collection); Brown, 1993, p. 28; Nimmerfroh, 2006, p. 68; Carpenter and Niem,

1999 (vol. 4) p. 2329

**Pterois muricata* Cuvier in Cuvier and Valenciennes, 1829

Nimmerfroh, 2006, p. 81 (doubtful record)

Pterois radiata Cuvier, 1829

Schmeltz, 1869, p. 16 (as *Pterois cincta*); Earle, 2004, p.2; Nimmerfroh, 2006, p. 79

**Pterois* sp.

Royal Ontario Museum Records (Great Astrolabe Reef Collection)

Pterois sp (longspine Lion fish)

Nimmerfroh, 2006, p. 81

Pterois volitans (Linnaeus, 1758)

Boulenger, 1897, p. 373; Carpenter and Niem, 1999 (vol. 4) p. 2332; Earle, 2004, p.2; Nimmerfroh, 2006, p. 70

Scorpaena asperella Bennett, 1829

Kendall and Goldsborough, 1811, p. 315 (as *S. galactacma*)

Scorpaena aurita Rüppell, 1838

Lal *et al.*, 1983, p. 30

Scorpaena lineagula Fowler, 1955

Fowler, 1955a, p. 380

Scorpaena nuchalis Günther, 1874

Boulenger, 1897, p. 373

Scorpaena picta (Cuvier, 1829)

Peters, 1876, p. 834 (as *S. tristis*); Nair, 2003, p. 58 (as *Parascorpaena picta*). However, *S. trista* may be a junior synonym of *S. strongia* which can make the first reference invalid.

Scorpaenodes albaiensis (Evermann and Seale, 1907)

Williams, 1997, p. 16; Carpenter and Niem, 1999 (vol. 4) p. 2336; Randall, 2005, p. 119

Scorpaenodes corallinus Smith, 1957

Williams, 1997, p. 16

Scorpaenodes guamensis (Quoy and Gaimard, 1824)

Schmeltz, 1869, p. 25 (as *Sebastes polylepis*); Carpenter and Niem, 1999 (vol. 4) p. 2336

Scorpaenodes hirsutus (Smith, 1957)

Zug *et al.*, 1988, p. 14; Royal Ontario Museum Records (Great Astrolabe Reef Collection)

Scorpaenodes kelloggi (Jenkins, 1903)

Zug *et al.*, 1988, p. 14; Royal Ontario Museum Records (Great Astrolabe Reef Collection)

Scorpaenodes minor (Smith, 1958)

Royal Ontario Museum Records (Great Astrolabe Reef Collection);

McGrouter, 1997, p. 9 (as *Hypomacrus brocki*, Schultz, 1966); Randall, 2005, p. 121

Scorpaenodes papuensis (Cuvier in Cuvier and Valenciennes, 1829)

Greenfield list, Nov 2001

Scorpaenodes parvipinnis (Garrett, 1864)

Carlson, 1975, p. 17

Scorpaenodes quadrspinosus Greenfield and Matsura, 2002

This is a new species from Fiji. Greenfield and Matsuura, 2002, p. 973; Randall, 2005, p. 121

Scorpaenodes scaber (Ramsay and Ogilby, 1885)

Fowler, 1931, p. 349; Carpenter and Niem, 1999 (vol. 4) p. 2339

S. scabra is another spelling.

**Scorpaenodes* sp.

Royal Ontario Museum Records (Great Astrolabe Reef Collection)

**Scorpaenopsis brevifrons* Eschmeyer and Randall, 1975

Williams, 1997, p. 16; Carpenter and Niem, 1999 (vol. 4) p. 2340. Randall and Eschmeyer, 2001, p. 17 say this is only found in Hawaii.

**Scorpaenopsis cirrhosa* Thunberg, 1793

Singleton, 1997, p. 98 (as *Dendroscorpaena cirrhosa*)

Randall and Eschmeyer, 2001, p. 14 say this is only found in Japan, China and Taiwan.

Scorpaenopsis diabolus (Cuvier, 1829)

Schmeltz, 1879, p. 43 (As *Scorpaena diabolus*); Carpenter and Niem, 1999 (vol. 4) p. 2342

Scorpaenopsis eschmeyeri Randall and Greenfield, 2004

Randall and Greenfield, 2004, p. 384

Scorpaenopsis fowleri (Pietschmann, 1934)

Zug *et al.*, 1988, p. 14; Royal Ontario Museum Records (Great Astrolabe Reef Collection); Fishbase 2009, p. 17 (as *Sebastapistes fowleri*). Now called *Sebastapistes fowleri* (J Randall, March 2002 *pers. comm.*)

Scorpaenopsis gibbosa (Bloch and Schneider, 1801)

Nair, 2003, p. 58

Scorpaenopsis macrochir Ogilby, 1910

Carpenter and Niem, 1999 (vol. 4) p. 2343; Randall and Eschmeyer, 2001, p. 35; Boseto, 2005, p. 199

Scorpaenopsis oxycephala (Bleeker, 1849)

Royal Ontario Museum Records (Great Astrolabe Reef Collection); www.larryulrich.com/uwlocationlist.html; Nimmerfroh, 2006, p. 95. Andreas Kunzmann (ZMT) University of Bremen, March 2006 collected it here. Randall and Eschmeyer, 2001, p. 46 say it is not found in Fiji.

Scorpaenopsis papuensis (Cuvier, 1829)

Williams, 1997, p. 16; Nimmerfroh, 2006, p. 89

Scorpaenopsis possi Randall and Eschmeyer, 2001

Randall and Eschmeyer, 2001, p. 9; Randall, 2005, p. 123

**Scorpaenopsis* sp.

Royal Ontario Museum Records (Great Astrolabe Reef Collection); Zug *et al.*, 1988, p. 14 (may not be the same as ROM record)

**Scorpaenopsis venosa* (Cuvier, 1829)

Gray, 1859, pp. 26, 140 (as *Scorpaenopsis novae-guinea* (Cuvier, 1829); Blaber *et al.*, 1993a, p. 53; Blaber *et al.*, 1993b, p. 110; Nimmerfroh, 2006, pp. 83, 92; Randall and Eschmeyer, 2001, p. 70 say it is not found in Fiji.

Scorpaenopsis vittapinna Randall and Eschmeyer, 2001

Randall and Eschemeyer, 2001, p. 70; Randall, 2005, p. 125

Sebastapistes bynoensis (Richardson, 1845)

Peters, 1876 (1877), p. 834 (as *Scorpaena tristis* non Klunzinger)

Sebastapistes cyanostigma (Bleeker, 1856)

Fowler, 1928, p. 287 (as *Scorpaena albobrunnea*); Nimmerfroh, 2006, p. 91

Sebastapistes dentatus Günther, 1874

Boulenger, 1897, p. 373 (as *Scorpaena dentata*)

Sebastapistes fowleri (Pietschmann, 1934)

see *Scorpaenopsis fowleri* above.

Sebastapistes galactacma Jenkins, 1903

Kendall and Goldsborough, 1911, p. 315

Sebastapistes mauritiana (Cuvier, 1829)

Royal Ontario Museum (Great Astrolabe Reef Collection)

**Sebastapistes* sp.

Royal Ontario Museum (Great Astrolabe Reef Collection)

Sebastapistes strongia (Cuvier, 1829)

Royal Ontario Museum (Great Astrolabe Reef Collection); See *S. trista*.

Sebastapistes tinkhami (Fowler, 1946)

Zug *et al.*, 1988, p. 14; Royal Ontario Museum (Great Astrolabe Reef Collection); Carpenter and Niem, 1999 (vol. 4) p. 2346

Sebastapistes zanzibarensis Playfair, 1866

Schmeltz, 1879, p. 43 (as *Scorpaena zanzibarensis*)

Sebastolobus macrochir (Günther, 1877)

Williams, 1997, p. 16 (as *Scorpaenopsis macrochir*)

Setarches guntheri longiceps (Günther, 1880)

Günther, 1878, p. 179 (as *S. fidjiensis*); Carpenter and Niem, 1999

(vol. 4) p. 2347

Synanceia horrida (Linnaeus, 1766)

Lal *et al.*, 1983, p. 30 (as *S. trachynis*)

Synanceia verrucosa Bloch and Schneider, 1801

Schmeltz, 1869, p. 16; Carpenter and Niem, 1999 (vol. 4) p. 2349; Nimmerfroh, 2006, p. 96

Taenianotus triacanthus Lacépède, 1802

Pöhl, 1884, p. 29; Carpenter and Niem, 1999 (vol. 4) p. 2349; Allen *et al.*, 2003, p. 378

Liparididae (Snailfish)

Unidentified specimen (Randy Thaman – Fiji Fish) 19/02/08

Tetrarogidae

Tetraroge barbata (Cuvier, 1829)

Jenkins, 2003

Tetraroge niger (Cuvier, 1829)

Carpenter and Niem, 1999 (vol. 4) p. 2350; Boseto, 2005, p. 199

Sebastidae

Sebastiscus albofasciatus (Lacepède, 1802)

JICA, 1987, p. 111 (Volume 2). Fiji or Tuvalu.

Psychrolutidae

Psychrolutes inermis Vaillant, 1888

Raj and Seeto, 1984

Platycephalidae (Flatheads)

Onigocia bimaculata Knapp, Imamura & Sakashita, 2000

Fishbase 2009, p. 13

Onigocia oligolepis (Regan, 1908)

Royal Ontario Museum (Great Astrolabe Reef Collection)

Eurycephalus areniola (Schultz in Schultz *et al.*, 1966)

Carlson, 1975, p. 16 (as *Thysanophrys arenicola*); Carpenter and Niem, 1999 (vol. 4) p. 2417; Allen *et al.*, 2003, p. 383; Randall, 2005, p. 132

Thysanophrys chiltonae Schultz, 1966

Carlson, 1975, p. 16 (as *Inegocia chiltonae*); Carpenter and Niem, 1999 (vol. 4) p. 2420; Nimmerfroh, 2006, p. 44

Thysanophrys otaitensis (Cuvier, 1829)

Royal Ontario Museum (Great Astrolabe Reef Collection); Carpenter and Niem, 1999 (vol. 4) p. 2421

Dactylopteridae (Flying Gurnards)

Dactyloptena orientalis (Cuvier, 1829)

Carlson, 1975, p. 16; Carpenter and Niem, 1999 (vol. 4) p. 2287

Triglidae (Gurnard)

Pterygotrigla sp.

J. Seeto, USP specimen (head only)

Pterygotrigla multiocellatus (Matsubara, 1937)

JICA, 1987, p. 111 (Volume 2). Fiji or Tuvalu; Nair, 2003, p. 64.

Satyrichthys sp.

Raj and Seeto, 1984

Aulostomidae (Trumpet fish)

Aulostomus chinensis (Linnaeus, 1766)

Carlson, 1975, p. 13; Carpenter and Niem, 1999 (vol. 4) p. 2277; Earle, 2004, p.1; Nimmerfroh, 2006, p. 41

Syngnathidae (Pipefishes and Seahorses)

Bulbonaricus davaoensis (Herald, 1953)

Dawson, 1985, p. 27

Choeroichthys brachysoma (Bleeker, 1855)

Fowler, 1955a, p. 373

Choeroichthys cinctus Dawson, 1976

Dawson, 1985, p. 36; Randall, 2005, p. 105

Choeroichthys sculptus (Günther, 1870)

Günther, 1859 - 1870, 8, p. 185 (type locality Fiji); Randall, 2005, p. 105

Corythoichthys amplexus Dawson and Randall, 1975

Dawson and Randall, 1975, p. 271; Carpenter and Niem, 1999, Vol. 4, p. 2273; Kuitert, 2000, p. 104; Randall, 2005, p. 105; Nimmerfroh, 2006, pp. 144, 146

Corythoichthys flavofasciatus (Rüppell, 1838)

Günther, 1859 - 1870, 8, p. 174 (as *Syngnathus conspicillatus*)

Schmeltz, 1879, p. 61 (as *Syngnathus conspicillatus*); Carpenter and Niem, 1999, Vol. 4, p. 2273; Nimmerfroh, 2006, p. 151; Kuitert, 2000 says this is only found from the Red Sea and Indian Ocean but Randall, 2005, says it is found all the way to Tuamotus.

Corythoichthys haematopterus (Bleeker, 1851)

Günther, 1873 - 1910, 9, p. 431; Allen *et al.*, 2003, p. 427; Nimmerfroh, 2006, p. 145. This species is not known from Fiji according to Dawson (1977). Kuitert, 2000 says this is widespread in the West Pacific.

Corythoichthys intestinalis (Ramsey, 1881)

Schultz, 1953, p. 276 (as *C. intestinalis waitei*); Randall, 2005, p. 106

Corythoichthys nigripectus Herald, 1953

Carlson, 1975, p. 14; Carpenter and Niem, 1999, Vol. 4, p. 2274; Randall, 2005, p. 106; Nimmerfroh, 2006, p. 149

Corythoichthys ocellatus (Herald in Schultz *et al.*, 1953)

Allen *et al.*, 2003, p. 427; Nimmerfroh, 2006, pp. 153

Corythoichthys schultzi Herald, 1953

Carlson, 1975, p. 14; Carpenter and Niem, 1999, Vol. 4, p. 2274; Randall, 2005, p. 106; Nimmerfroh, 2006, p. 148

Corythoichthys sp. (Banded Messmate Pipefish)

Nimmerfroh, 2006, p. 156

Corythoichthys waitei (Jordan and Seale, 1906)

Kuitert, 2000, p. 115 (says from Philippines to Samoa)

Cosmocampus banneri (Herald and Randall, 1972)

Dawson, 1985, p. 51; Randall, 2005, p. 106

Doryrhamphus excisus excisus Kaup, 1856

Boulenger, 1897, p. 374 (as *Doryichthys extisus*); Randall, 2005, p. 107. Kuitert, 2000 says this species is found from the Red Sea to the Indian Ocean only.

**Doryrhamphus melanopleura* Bleeker, 1853

(this is synonym of *D excisus* – Randall 2005); Günther, 1910, (as *Doryichthys pleurotaenia*)

Doryrhamphus negrosensis (Herre, 1934)

Nimmerfroh, 2006, p. 149 (who says not often seen on Fiji's reef)

Dunckerocampus dactyliophorus (Bleeker, 1853)

Carlson, 1975, p. 15 (as *Doryrhamphus dactyliophorus*); Carpenter and Niem, 1999, Vol. 4, p. 2274

Dunckerocampus naia Allen & Kuitert, 2004.

Fishbase 2009, p. 7; http://www.naia.com.fj/diary/dd_060708.html

Festucalex wassi Dawson, 1977

Dawson, 1985, pp. 73, 74; Kuitert, 2000, p. 123 (probably a synonym of *Festucalex gibbsi* Dawson, 1977)

Halicampus boothae (Whitley, 1964)

Dawson and Randall, 1975, p. 264; Randall, 2005, p. 108

Halicampus dunkeri Chabanaud, 1929

Fishbase, 2002, p. 2; Nair, 2003, p. 59. However, Kuitert, 2000 says it is only found in Indonesia and Philippines.

**Halicampus edmondsoni* (Pietschmann, 1930)

Dawson and Randall., 1975, p. 266 (as *Micrognathus edmondson*); Carlson, 1975, p. 87; Dawson 1985 and Kuitert, 2000 say this is an endemic Hawaiian species.

Halicampus macrorhynchus Banner, 1915

Randall, 2005, p. 108

Halicampus marquensensis Dawson, 1984

Dawson, 1985, pp. 88, 94; Randall, 2005, p. 108

Halicampus matafae (Jordan and Seale, 1906)

Carlson, 1975, pp. 15, 94

- Halicampus nitidus* (Günther, 1873)
Dawson, 1985, pp. 91, 94; Randall, 2005, p. 109
- Hippichthys cyanospilus* (Bleeker, 1854)
Dawson, 1978, p. 150; Randall, 2005, p. 109
- Hippichthys spicifer* Rüppell, 1838
Fowler, 1932, p. 5 (as *Syngnathus spicifer*); Herre, 1935 (p. 396 (as *M. suvensis*); Carcasson, 1977, p. 80 (as *Micrognathus suvensis* Herre, 1935); Boseto, 2005, p. 199
- Hippocampus denise* Lourie and Randall, 2003
<http://www.tackettproductions.com/Denise's%20Pygmy%20Seahorse.htm>
- Hippocampus foliatus* Perry, 1810
Whitley, 1927a, p. 4. Kuitert, 2000 does not acknowledge this species on page 230.
- Hippocampus hystrix* Kaup, 1856
Carpenter and Niemi, 1999, Vol. 4, p. 2272
- **Hippocampus kuda* Bleeker, 1852
Schmeltz, 1869, p. 28 (as *Hippocampus novae-hollandiae* non Steindachner). Kuitert, 2000 says many species are referred to this name but *H. kuda* is only found from Japan to Maldives. Patricia Kailola says it is found in Fiji (*pers comm.*, 2006)
- Hippocampus severnsi* Lourie & Kuitert 2008
www.oceanrealmimages.com/gallery/main.php?g2_view=core.ShowItem&g2_itemId=223924; Fishbase 2009, p. 10
- Hippocampus taeniopterus* (Bleeker, 1852)
Nimmerfroh, 2006, pp. 158, 160, 161
- Ichthyocampus diacanthus* (Schultz, 1943)
Dawson, 1977, p. 620 (as *Phoxocampus diacanthus*)
- **Ichthyocampus* sp.
Garman, 1903, p. 240. Dawson, 1985 notes that this genus is monotypic = (*Ichthyocampus carce* Hamilton Buchanan, 1822 and is only found from India to Celebes). However, Kuitert, 2000 says *Ichthyocampus diacanthus* Schultz, 1943 is widespread in the West Pacific
- Micrognathus andersonii* (Bleeker, 1858)
Dawson, 1982a, p. 672
- **Micrognathus brevis* Rüppell, 1838
Herre, 1936, p. 86. Kuitert 2000 says this is only found in the Red Sea and Gulf of Suez.
- Micrognathus natans* Dawson, 1982
Dawson, 1982a, p. 682; Kuitert, 2000, p. 150
- Micrognathus pygmaeus* Fritzsche, 1981
Nimmerfroh, 2006, pp. 152 (as *Macrognythus pygmaeus*).
- Kuitert, 2000 separates this from *M. brevis*. *Pygmaeus* was a subspecies name for *M. brevis*.
- Microphis argulus* (Peters, 1855)
Ryan, 1980, p. 61; Boseto, 2005, p. 199. Kuitert, 2000 does not acknowledge this species.
- Microphis biocellatus* Gunther, 1870
Kuitert, 2000, p. 173
- Microphis brachyurus* (Bleeker, 1853)
Schmeltz, 1879, p. 61 (as *Dorichthys brachyurus*); Günther, 1880, p. 36 (as *Doryichthys brachyurus*); Boseto, 2005, p. 199 (as *M. brachyurus brachyurus*)
- Microphis brevidorsalis* (de Beaufort, 1916)
Dawson, 1984b, p. 170; Kuitert, 2000, p. 173
- Microphis leiaspis* (Bleeker, 1853)
Seale, 1935, p. 354; Kuitert, 2000, p. 174
- Microphis retzii* (Bleeker, 1856)
Carlson, 1975, p. 15, Boseto, 2005, p. 198
- Microphis* sp. 1
Boseto, 2005, p. 198;
- Minyichthys brachyrhinus* (Herald, 1953)
Dawson, 1985, p. 143. Kuitert, 2000, p. 147 mentions this species but do not provide details.
- **Mitotichthys semistriatus* (Kaup, 1856)
Fowler, 1907-08, p. 426. This is an Australian endemic (see Dawson, 1985, p. 147). Fowler, 1922 p. 444 calls it *Leptonotus tristriatus* as being from Fiji but probably should read Victoria, Australia. Kuitert, 2000 says its is from Southern Victoria/Tasmania.
- Phoxocampus belcheri* (Kaup, 1856)
Herre, 1936, p. 82 (as *Ichthyocampus kampeni*, non Weber); Randall, 2005, p. 112
- Phoxocampus diacanthus* (Schultz, 1943)
Randall, 2005, p. 112
- **Phoxocampus tetrophthalmus* (Bleeker, 1858)
Carcasson, 1977, p. 79 (as *Ichthyocampus kampeni* (Weber, 1913). This is only found in Indonesia, Irian Jaya and Philippines (Dawson, 1985, p. 156; Kuitert, 2000, p. 170).
- Siokunichthys herrei* Herald, 1953
Herald, in Schultz *et al.*, 1953 - 1966, 1, p. 254; Fishbase 2009. p. 17. Kuitert, 2000 says this is only found in Indonesia and Philippines.
- **Stigmatopora argus* (Richardson, 1840)
Fowler, 1907, p. 426 (as *S. nigra* non Kaup). Misidentified by Fowler (see Dawson, 1982b, p. 578). Also erroneously listed from Fiji by Carcasson (1977). This is an Australian species. Whitley, 1927, p.

4 also lists this species from Fiji. Kuitert, 2000 says this is a South Australian coast species.

Syngnathoides biaculeatus (Bloch, 1785)

Dawson, 1985, p. 181; Carpenter and Niem, 1999, Vol. 4, p. 2276

Syngnathus cyanospilos Bleeker, 1854

Kuitert, 2000, p. 181

Trachyrhamphus longirostris (Kaup, 1856)

Nimmerfroeh, 2006, p. 150

Pomatomidae (Tailors)*

**Pomatomus saltator* Linnaeus, 1758

Fischer and Whitehead, 1974, Vol. III. A doubtful record for Fiji.

Solenostomidae (Ghost Pipefishes)

Solenostomus cyanopterus Bleeker, 1854

Lieske and Myers, 1994, p. 15; Randall, 2005, p. 103

Solenostomus halimeda Orr, Fritzsche and Randall, 2002

Allen *et al.*, 2003, p. 424; Nimmerfroeh, 2006, pp. 168-172; www.amonline.net.au/fishes/students/focus/soleno.htm (as *Solenostomus* [new species] *halimeda*)

Solenostomus paradoxus (Pallas, 1770)

Ryan, 2000, p. 153; Allen *et al.*, 2003, p. 423; Randall, 2005, p. 103; Nimmerfroeh, 2006, pp. 162-167

Solenostomus paegnius (Jordan and Thomson, 1914)

Allen *et al.*, 2003, p. 424

**Solenostomus* sp. #1

Carlson, 1975, p. 87

**Solenostomus* sp. #2

Carlson, 1975, p. 181

Solenostomus sp (Thin Ghost Pipefish)

Allen *et al.*, 2003, p. 425

Solenostomus sp (Orange hairy Ghost pipefish)

<http://www.amonline.net.au/FISHES/students/focus/soleno.htm>

Fistulariidae (Cornetfishes)

Fistularia commersonii (Rüppell, 1838)

Günther, 1873-1910, 7, p. 221 (as *E. depressa*); Carpenter and Niem, 1999 (vol. 4) p. 2279; Earle, 2004, p.1

Fistularia petimba Lacépède, 1803

Fowler, 1907, p. 425

Fistularia sp (Large (> 1m) red deep sea species)

J. Seeto. Photo.

Centriscidae (Shrimpfish)

Aeoliscus strigatus (Gunther, 1861)

Randall, 2005, p. 113

Macrorhamphosidae

Macrorhamphorus scolopax Linnaeus, 1758

Burgess *et al.*, 1988, p.123. Circumtropical.

Schindleriidae

Schindleria praematurus (Schindler, 1930)

Springer, 1982, p. 149. This is the lightest of all vertebrates (Guinness Book of Records, 1998, p. 246)

Eleotridae (Sleepers)

Bostrychus sinensis Lacépède, 1801

Günther, 1877, 6, p. 189; Schmeltz, 1869, p. 19 (as *Eleotris sinensis*). The genus *Bostrychthys* is sometimes used.

Belobranchus belobranchus Valenciennes, 1837

Jenkins, 2003; Boseto, 2005, p. 198

Bunaka gyrinoides (Bleeker, 1853)

Anon., 1981, p. 91

Butis amboinensis Bleeker, 1853

Masuda *et al.*, 1984, p. 239

Butis butis (Hamilton-Buchanan, 1822)

Ryan, 1980, p. 64

**Butis* sp

McGrouter, 1997, p. 2

Calumia biocellata Smith, 1958

Carlson, 1975, p. 66 (junior synonym of *C. godeffroyi* below)

Calumia godeffroyi (Günther, 1877)

Royal Ontario Museum (Great Astrolabe Reef Collection)

Calumia profunda Larson and Hoese, 1980

Royal Ontario Museum (Great Astrolabe Reef Collection)

Eleotris acanthopoma Bleeker, 1853

McGrouter, 1997, p. 4

Eleotris fusca (Bloch and Schneider, 1801)

Günther, 1859 - 1870, 3, p. 125; Schmeltz, 1864, p. 9

Eleotris melanosoma Bleeker, 1852

Herre, 1936, p. 346

Giurus margaritaceus (Valenciennes, 1837)

Jenkins, 2003, p. ?

Giurus hoedti (Bleeker, 1854)

Jenkins, 2003, Boseto, 2005, p. 198

Heteroleotris diadematus (Rüppell, 1828)

Fowler, 1927, p. 27

Heteroleotris n sp.

Royal Ontario Museum (Great Astrolabe Reef Collection)

**Heteroleotris* sp

Williams, 1997, p. 10

Hypseleotris cyprinoides (Valenciennes, 1837)

Schmeltz, 1869, p. 19 (as *Eleotris cyprinoides*).

Hypseleotris guentheri (Bleeker, 1875)

Günther, 1873 - 1910, 6, p. 186

Lairdina hopletopus Fowler, 1953. Endemic genus.

Fowler, 1953, p. 386

Ophieleotris margaritacea (Valenciennes, 1837)

Boseto, 2005, p. 198

Ophiocara aporos (Bleeker, 1854)

Günther, 1861, 3, p. 109 (as *Eleotris aporos*); Schmeltz, 1879, p. 48 (as *Eleotris aporos*); Fishbase 2009, p. 13 (as *Ophioeleotris aporos*)

Ophiocara hoedtii Bleeker, 1854

Schmeltz, 1865, p. 8 (as *Eleotris hoedtii*)

Ophiocara macrolepidotus (Bloch, 1792)

Günther, 1880, p. 35 (as *Eleotris macrolepidotus*); Schmeltz, 1879, p. 47 (as *Eleotris cantoris*) see the 2 below!

Ophiocara ophiocephalus Valenciennes, 1837

Schmeltz, 1869, p. 19 (as *Eleotris porocephalus*); Kner, 1968, p. 328 (as *Eleotris cantoris*); Schmeltz, 1869, p. 19 (as *Eleotris cantoris*)

Ophiocara porocephala (Cuvier and Valenciennes, 1837)

Jordan and Seale, 1906, p. 384 (as *Ophiocara cantoris*) see the 2 above!

Oxyeleotris marmorata (Bleeker, 1852)

Schmeltz, 1865, p. 8 (as *Eleotris marmorata*), Boseto, 2005, p. 198; <http://fish.mongabay.com/data/Fiji.htm> say this is a questionable record.

Gobiidae (Gobys)

Acentrogobius caninus (Valenciennes, 1837)

Schmeltz, 1869, p. 18 (as *Gobius caninus*); Boseto, 2005, p. 198

Acentrogobius cauerensis (Bleeker, 1853)

Günther, 1873 - 1910, 6, p. 180 (as *Euctenogobius ophthalmonema*); See *Oxyurichthys ophthalmomena* below - same family.

Acentrogobius suluensis (Herre, 1927)

Williams, 1997, p. 1

Amblyeleotris fasciata (Herre, 1953)

Williams, 1997, p. 2

Amblyeleotris guttata (Fowler, 1938)

Royal Ontario Museum (Great Astrolabe Reef Collection); Brown, 1993, p. 52; Boseto, 2005, p. 198

Amblyeleotris randalli Hoese and Steene, 1978

Brown, 1993, p. 64; Allen *et al.*, 2003, p. 301; Randall, 2005, p. 516

Amblyeleotris steinitzi (Klausewitz, 1974)

Royal Ontario Museum (Great Astrolabe Reef Collection)

Amblyeleotris wheeleri Polunin and Lubbock, 1977.

Nair, 2003, p. 52; Randall, 2009, p. 49

Amblycentrus arabicus (Gmelin, 1789)

Zug *et al.*, 1988, p. 8 (as *Amblygobius bimaculatus* (Valenciennes in Cuvier and Valenciennes, 1837)

Amblygobius decussatus (Bleeker, 1855)

Randall, 2005, p. 517

Amblygobius hectori (Smith, 1956)

Williams, 1997, p. 2

Amblygobius nocturnus (Herre, 1945)

Zug *et al.*, 1988, p. 8

Amblygobius phalaena (Valenciennes, 1837)

Kner, 1868, p. 326 (as *Gobius semicinctus*)

Amblygobius rainfordi (Whitley, 1940)

Carlson, 1975, p. 67; Allen *et al.*, 2003, p. 314; Greenfield collection, 2002 (as *Koumansetta rainfordi* Whitley 1940)

**Amblygobius* sp

McGrouter, 1997, p. 1

Amblygobius sphynx (Valenciennes, 1837)

Emery and Winterbottom, 1983, p. 18

Amoya moloanus (Herre, 1927)

McGrouter, 1997, p. 1

Also known as *Acentrogobius moloanus*.

Amoya sp

Williams, 1997, p. 2

Arenigobius sp

McGrouter, 1997, p. 2

- Asterropteryx ensiferus* (Bleeker, 1874)
Royal Ontario Museum (Great Astrolabe Reef Collection)
- Asterropteryx semipunctatus* (Rüppell, 1830)
Whitley, 1927a, p. 7 (as *Asterropteryx semipunctatus*); Whitley, 1927b, p. 27
- **Asterropteryx* sp.
Royal Ontario Museum (Great Astrolabe Reef Collection)
- Asterropteryx spinosus* (Goren, 1981)
Williams, 1997, p. 3
- Awaous guamensis* Valenciennes, 1837
Schmeltz, 1869, p. 18 (as *Gobius crassilabris*)
- Awaous melanocephalus* (Bleeker, 1849)
Guinea and Jaensch, 1999, p. 46, Boseto, 2005, p. 198
- Awaous ocellaris* (Broussonet, 1782)
Schmeltz, 1865, p. 8 (as *Gobius ocellaris*)
- Bathygobius cocosensis* (Bleeker, 1854)
Royal Ontario Museum (Great Astrolabe Reef Collection)
- Bathygobius cyclopterus* (Valenciennes, 1837)
Royal Ontario Museum (Great Astrolabe Reef Collection)
- Bathygobius fuscus* (Rüppell, 1830)
Boseto, 2005, p. 198
- Bathygobius fuscus fuscus* (Rüppell, 1828-30)
Günther, 1877, 3, p. 25 (as *Gobius albo-punctatus*)
- Bathygobius hongkongensis* Lam, 1986
Williams, 1997, p. 3; Boseto, 2005, p. 198
- Bathygobius laddi* (Fowler, 1931) (Type locality: Viti Levu)
Randall, 2005, p. 521
- Bathygobius padangensis* (Bleeker, 1851)
Royal Ontario Museum (Great Astrolabe Reef Collection); Boseto, 2005, p. 198
- Bathygobius petrophilus* (Bleeker, 1853)
Kner, 1868, p. 321 (as *Gobius petrophilus* var. *ocellata*); See *Calliogobius ocellata* below which is a junior synonym of *Cryptocentrus koumansii*.
- Bathygobius scapulopunctatus* (de Beaufort, 1912)
Herre, 1936, p. 369; Boseto, 2005, p. 198 (as *Palutrus scapulopunctatus*)
- **Boleophthalmus boddarti* (Pallas, 1853)
Morton and Raj, 1979. Doubtful record
- Brachyamblyopus urolepis* (Bleeker, 1852)
Kenchington, 1992, p. 21; Boseto, 2005, p. 198 (as *Caragobius urolepis*)
- Bryaninops diannaea* Larson, 1985
Larson, 1985; Ryan, 2000, p. 149 (endemic)
- Bryaninops erythropterus* (Jordan and Seale, 1906)
Myers, 1991, p. 232.
- Bryaninops loki* Larson, 1985
Royal Ontario Museum (Great Astrolabe Reef Collection); Randall, 2005, p. 521
- Bryaninops natans* Larson, 1985
Royal Ontario Museum (Great Astrolabe Reef Collection)
- Bryaninops ridens* Smith, 1959
Zug et al., 1988, p. 9
- Bryaninops* sp. (all red)
Brown, 1993, p. 41
- Bryaninops tigris* Larson, 1985
Ryan, 2000, p. 146 (pictured but not named)
- Bryaninops yongei* (Davis & Cohen, 1969)
Royal Ontario Museum (Great Astrolabe Reef Collection); www.larryulrich.com/uwlocationlist.html; Nimmerfroeh, 2006, p. 48
- Cabillus tongarevae* (Fowler, 1927)
Royal Ontario Museum (Great Astrolabe Reef Collection)
- Calamiana mindora* (Herre, 1945)
Boseto, D., 2005, p. ?
- Callogobius hasseltii* (Bleeker, 1851)
Herre, 1935, p. 415 (as *Macgregorella badia*); Randall, 2005, p. 523
- Callogobius maculipinnis* (Fowler, 1918)
Royal Ontario Museum (Great Astrolabe Reef Collection); Randall, 2005, p. 523
- Callogobius sclateri* (Steindachner, 1880)
McCulloch and Ogilby, 1919, p. 219
- **Callogobius* sp.
Royal Ontario Museum (Great Astrolabe Reef Collection); McGrouter, 1997, p. 2
- **Callogobius* spp (3 species)
Zug et al., 1988, p. 9
- **Callogobius* sp. 7
Royal Ontario Museum (Great Astrolabe Reef Collection)

- Coryogalops* sp
Williams, 1997, p. 11 (as *Monisha* sp.)
- Coryphopterus gracilis* Randall, 2001
Randall, 2001, p. 208; Randall, 2005, p. 525
- Coryphopterus humeralis* Randall, 2001
Randall, 2001, pp. 212-213
- Coryphopterus melacron* Randall, 2001
Randall, 2001, pp. 218, 221; Randall, 2005, p. 525; Fishbase 2009, p. 8 (as *Fusigobius melacron*)
- Coryphopterus neophytus* (Günther, 1877)
Boulenger, 1897. p. 373 (as *Rhinogobius neophytus*); Williams, 1997, p. 8 (as *Fusigobius neophytus*)
- Coryphopterus signipinnis* (Hoese and Obika, 1988)
Royal Ontario Museum (Great Astrolabe Reef Collection) (as *Fusigobius signipinnis*); Earle, 2004, p. 6; Randall, 2005, p. 525
- **Coryphopterus* sp
Williams, 1997, p. 6
- Cristatogobius aurimaculatus* Akihito & Meguro, 2000
Fishbase 2009, p. 6
- **Cristatogobius* sp
Williams, 1997, p. 6; McGrouter, 1997, p. 3
- Cryptocentrus aurocingulus* (Herre, 1935)
Herre, 1935, p. 425 (as *Ctenogobiops aurocingulus*); Randall, 2005, p. 527; Boseto, 2005, p. 198 (as *Ctenogobiops aurocingulus*)
- Cryptocentrus koumansi* (Whitley, 1933)
Herre, 1935, p. 422 (as *Callogobius ocellatus*); Nair, 2003, p. 52.; Nair, 2003, p. 52 (as *Ctenogobiops aurocingulus* (Herre, 1935). AKA *Aparrius aurocingulus*. See *Bathygobius petrophilus* (Bleeker, 1853) above.
- Cryptocentrus leucostictus* (Günther, 1871)
Herre, 1936, p. 379
- Cryptocentrus russus* (Cantor, 1850)
Herre, 1936, p. 382 (as *C. voighti*)
- **Cryptocentrus* sp
Williams, 1997, p. 6; McGrouter, 1997, p. 4
- Cryptocentrus strigiliceps* Jordan and Seale, 1906
Calamia *et al.*, 2008, p. 21
- Ctenogobiops feroculus* Lubbock and Polunin, 1977
Williams, 1997, p. 6;
- Ctenogobiops mitodes* Randall, Shao & Chen, 2007
Randall, J. E., Kwang-Tsao Shao, K-T., and Chen, J-P., 2007. pp. 26, 29, 31; Randall, 2008, p. 286; Fishbase 2009, p. 6
- Ctenogobiops tangaroai* Lubbock and Polunin, 1977
Randall, Shao, and Chen, 2003, p. 512; Randall, 2005, p. 529
- **Ctenogobiops* sp.
Royal Ontario Museum (Great Astrolabe Reef Collection)
- Discordipinna griessinger* Hoese and Fourmanoir, 1978
Hoese and Fourmanoir, 1978, p. 23; Greenfield Collection, 2002; Randall, 2005, p. 529
- Drombus* sp
Williams, 1997, p. 7; McGrouter, 1997, p. 4
- Euctenogobius ophthalmonemus* Bleeker, 1857
Günther, 1877, p. 180. See *Oxyurichthys ophthalmonemus*.
- Eviota afelei* Jordan and Seale, 1906
Herre, 1936, p. 348
- Eviota albolineata* Jewett & Lachner, 1983
Zug *et al.*, 1988, p. 9; Royal Ontario Museum (Great Astrolabe Reef Collection)
- Eviota bimaculata* Lachner and Karnella, 1980
Royal Ontario Museum (Great Astrolabe Reef Collection) This species may have been mistaken for *E. bifasciata* Lachner and Karnella, 1980? See *Amblygobius bimaculatus*.
- Eviota cometa* Jewett and Lachner, 1983
Myers, 1991, p. 236; Randall, 2005, p. 530
- Eviota disrupta* Karnella and Lachner, 1981
Zug *et al.*, 1988, p. 9
- Eviota distigma* Jordan and Seale, 1906
Herre, 1936, p. 348
- Eviota fasciola* Karnella and Lachner, 1981
Royal Ontario Museum (Great Astrolabe Reef Collection)
- Eviota guttata* Lachner & Karnella 1978
Greenfield Collection, 2002; Randall, 2005, p. 531
- Eviota herrei* Jordan and Seale, 1906
Williams, 1997, p. 7
- Eviota indica* Lachner and Karnella, 1980
Royal Ontario Museum (Great Astrolabe Reef Collection)
- Eviota infulata* (Smith, 1956)
Royal Ontario Museum (Great Astrolabe Reef Collection);

Greenfield Collection, 2002

Eviota melasma Lachner and Karnella, 1980

Lachner and Karnella, 1980, p. 27; Randall, 2005, p. 532

Eviota nebulosa Smith, 1958

Myers, 1991, p. 237 (Rotuma); Greenfield Collection, 2002; Randall, 2005, p. 532

Eviota nigriventris Giltay, 1933

Lachner and Karnella, 1980, p. 111; Randall, 2005, p. 533

Eviota pellucida Larson, 1976

Williams, 1997, p. 8

Eviota prasina (Klunzinger, 1871)

Emery and Winterbottom, 1983, p. 18

Eviota prasites Jordan & Seale, 1906

Royal Ontario Museum (Great Astrolabe Reef Collection)

Eviota pseudostigma Lachner and Karnella, 1980

Zug *et al.*, 1988, p. 9

Eviota punctulata Jewett and Lachner, 1983

Myers, 1991, p. 237; Randall, 2005, p. 533

Eviota queenslandica Whitley, 1932

Williams, 1997, p. 8

Eviota saipanensis Fowler, 1945

Williams, 1997, p. 8

Eviota sparsa Jewett & Lachner 1983

Greenfield Collection, 2002

**Eviota sebreei* Jordan and Seale, 1906

Probably found here. Myers (1991) say Red Sea to Samoa.

Eviota smaragdus Jordan and Seale, 1906

Lachner and Karnella, 1980, p. 23; Randall, 2005, p. 534

Eviota sparsa Jewett and Lachner, 1983

Williams, 1997, p. 8

**Eviota* sp.

Royal Ontario Museum (Great Astrolabe Reef Collection); McGrouter, 1997, p. 4

**Eviota* sp. B

Royal Ontario Museum (Great Astrolabe Reef Collection)

**Eviota* sp. D

Royal Ontario Museum (Great Astrolabe Reef Collection)

**Eviota* sp. F

Royal Ontario Museum (Great Astrolabe Reef Collection)

Eviota zebrina Lachner and Karnella, 1978

Royal Ontario Museum (Great Astrolabe Reef Collection); Randall, 2005, p. 534

Eviota zonura Jordan and Seale, 1906

Herre, 1936, p. 349 (as *E. viridis*); Greenfield Collection, 2002; Randall, 2005, p. 534

Exyrias belissimus (Smith, 1959)

Murdy, 1985, pp. 4, 5; Randall, 2005, p. 535

Exyrias puntang (Bleeker, 1851 or 1852)

Fowler, 1955a, p. 397

Favonigobius gymnauchen (Bleeker, 1860)

Ryan, 1980, p. 66

Favonigobius melanobranchus (Fowler, 1934)

McGrouter, 1997, p. 4

**Fusigobius* DFH sp. 2

Royal Ontario Museum (Great Astrolabe Reef Collection)

**Fusigobius* DFH sp. 4

Royal Ontario Museum (Great Astrolabe Reef Collection)

**Fusigobius* DFH sp. 8

Royal Ontario Museum (Great Astrolabe Reef Collection)

Fusigobius duospilus Hoese and Reader, 1985

Hoese and Reader, 1985, p. 4

**Fusigobius* sp.

Zug *et al.*, 1988, p. 9; McGrouter, 1997, p. 4

Glossogobius bicirrhosus (Weber, 1894)

Williams, 1997, p. 8, Boseto, 2005, p. 198

Glossogobius biocellatus (Valenciennes, 1837)

Herre, 1936, p. 360; Jenkins, 2003 (as *Psammogobius biocellatus*) see below.

Glossogobius celebius (Valenciennes, 1837)

Herre, 1936, p. 361

Glossogobius giurus (Buchanan-Hamilton, 1822)

Fowler, 1959, p. 483

**Glossogobius* sp

Williams, 1997, p. 8

Glossogobius n. sp. (being described by Doug Hoese and Gerry

- Allen)
Jenkins, 2003, Boseto, 2005, p. 198
- Gnatholepis anjerensis* (Bleeker, 1850)
Seale, 1935, p. 371
- Gnatholepis caurensis* (Bleeker, 1853)
Royal Ontario Museum (Great Astrolabe Reef Collection); Randall and Greenfield, 2001, pp. 6, 7 (as *G. caurensis caurensis*)
- **Gnatholepis* sp.
Zug *et al.*, 1988, p. 9; McGrouter, 1997, p. 5
- Gobiodon atrangulatus* Garman, 1903 Holotype from Fiji
Masuda *et al.*, 1984, p. 265. See below. *Gobiodon erythrospilus* Bleeker, 1875.
- Gobiodon axillaris* De Vis, 1884
Royal Ontario Museum (Great Astrolabe Reef Collection); Randall, 2005, p. 537
- Gobiodon brochus* Harold & Winterbottom, 1999 (type locality: Great Astrolabe)
Harold & Winterbottom, 1999, p. _; Randall, 2005, p. 537
- Gobiodon citrinus* (Rüppell, 1838)
Boulenger, 1897, p. 373
- **Gobiodon* DFH sp. 11
Royal Ontario Museum (Great Astrolabe Reef Collection)
- Gobiodon erythrospilus* Bleeker, 1875
Garman, 1903, p. 234 (as *Gobiodon atrangulatus* Garman, 1903.
Gobiodon histrio (Valenciennes, 1837)
Günther, 1873, p. 410
- Gobiodon micropus* Günther, 1861
Royal Ontario Museum (Great Astrolabe Reef Collection)
- Gobiodon quinquestrigatus* (Valenciennes, 1837)
Günther, 1861, 3, p. 88 (as *G. ceramensis*)
- Gobiodon rivulatus rivulatus* (Rüppell, 1830)
Boulenger, 1897, p. 373
- **Gobiodon* spp. A, B & C.
Zug *et al.*, 1988, p. 9
- Gobiopsis exigua* Lachner and McKinney, 1979
Lachner and McKinney, 1979, p. 5; Allen *et al.*, 2003, p. 323 (as *Gobiopsis exigua*) ... this name is correct; Randall, 2005, p. 538
- **Gobiopsis* sp.
Williams, 1997, p. 9
- Gobius atriclypeus* Garman, 1903
Garman, 1903, p. 233
- Gobius baliuroides* Bleeker, 1849
Schmeltz, 1869, p. 18
- Istigobius decoratus* (Herre, 1927)
Herre, 1936, p. 365
- Istigobius goldmanni* (Bleeker, 1852)
Murdy and Hoese, 1985, pp. 22, 23, 27; Randall, 2005, p. 539
- Istigobius nigroocellatus* Günther, 1873
Williams, 1997, p. 10
- Istigobius ornatus* (Rüppell, 1830)
Schmeltz, 1869, p. 18 (as *Gobius ornatus*); Allen *et al.*, 2003, p. 326; Randall, 2005, p. 539
- Istigobius rigilius* (Herre, 1953)
Murdy and Hoese, 1985, pp. 17, 19; Randall, 2005, p. 539
- Lentipes bellameyae* n sp. (Jenkins and Boseto in prep) Endemic.
Jenkins, 2003
- Lentipes kaaea* Watson, Keith and Marquet, 2002
Boseto, 2005, p. 198
- Lotilia graciliosa* Klausewitz, 1960
Randall, Allen, and Steene, 1990, p. 404; Randall, 2005, p. 539
- **Lotilia* sp.
Zug *et al.*, 1988, p. 9 (as *Lotelia* sp.)
- Luposicya lupus* Smith, 1959
Royal Ontario Museum (Great Astrolabe Reef Collection); Allen *et al.*, 2003, p. 336
- Macrodontogobius wilburi* Herre, 1936
Murdy, 1985, p. 12
- Mahidolia mystacina* (Valenciennes, 1837)
McGrouter, 1997, p. 6
- Mugilogobius notospilus* (Gunter, 1877)
Günther, 1877, 6, p. 173 (as *Gobius notospilus*); Boseto, 2005, p. 198
- Oligolepis* sp
Williams, 1997, p. 12
- Oplopomus oplopomus* (Valenciennes, 1837)
J. Seeto, *pers. comm.*; McGrouter, 1997, p. 7; Singleton, 1997, p. 34
- Oxyurichthys* sp.

J. Seeto, *pers comm.*; McGrouter, 1997, p. 7

Oxyurichthys microlepis (Bleeker, 1849)

J. Seeto *pers. comm.*

Oxyurichthys ophthalmonema Bleeker, 1856 - 57

Herre, 1927, p. 257; Boseto, 2005, p. 198

Oxyurichthys raveni (Nichols, 1952)

Fowler, 1959, p. 614

Oxyurichthys tentacularis Cuvier and Valenciennes, 1837

J Seeto, *pers. comm.*; McGrouter, 1997, p. 7; Boseto, 2005, p. 198

**Palutrus* sp.

Lal *et al.*, 1983, p. 27 (as *Pandaka* sp.)

Palutrus scapulopunctatus (de Beaufort, 1912).

Fishbase 2009, p. 13

Pandaka lidwilli (McCulloch, 1917)

McGrouter, 1997, p. 7

**Pandaka* sp

Williams, 1997, p. 13; McGrouter, 1997, p. 7

Paragobiodon echinocephalus (Rüppell, 1828)

Schmeltz, 1869, p. 18 (as *Kurtus echinocephalus*)

Paragobiodon lacunicolus (Kendall & Goldsborough, 1911)

Zug *et al.*, 1988, p. 9; McGrouter, 1997, p. 7

Paragobiodon melanosomus (Bleeker, 1852)

Royal Ontario Museum (Great Astrolabe Reef Collection)

Paragobiodon modestus (Regan, 1908)

Royal Ontario Museum (Great Astrolabe Reef Collection)

Paragobiodon xanthosoma (Bleeker, 1852)

Jordan and Dickerson, 1908, p. 617 (as *Ruppelia xanthosoma*);

Fishbase, 2009, p. 13 (as *Paragobiodon xanthosomus*)

Periophthalmus argentilineatus Cuvier and Valenciennes, 1837

Günther, 1861, 3, p. 98; Boseto, 2005, p. 198

Periophthalmus barbarus (Linnaeus, 1766)

Garman, 1903, p. 235 (as *P. schlosseri*)

Periophthalmus chrysospilos Bleeker, 1853

Morton and Raj, 1979. p.?

Periophthalmus kalolo Lesson, 1830

Williams, 1997, p. 13; Boseto, 2005, p. 198

Periophthalmus koelreuteri (Pallas, 1770)

Günther, 1877, 6, p. 185. This species Eggert, 1935 is the junior synonym of the one above.

Periophthalmus vulgaris Eggert, 1935

Lal *et al.*, 1983, p. 29

Pleurosicya fringilla Larson, 1990 Holotype from Fiji

Royal Ontario Museum (Great Astrolabe Reef Collection)

Pleurosicya micheli Fourmanoir, 1971

Royal Ontario Museum (Great Astrolabe Reef Collection); Fishbase 2009, p. 14

Pleurosicya mossambica Smith, 1959

Royal Ontario Museum (Great Astrolabe Reef Collection); Allen *et al.*, 2003, p. 337

Pleurosicya muscarum (Jordan & Seale, 1906)

Royal Ontario Museum (Great Astrolabe Reef Collection)

Pleurosicya sp.

www.larryulrich.com/uwlocationlist.html (as *Pleurosigya* sp.)

Priolepis argrena Winterbottom & BurrIDGE 1993

Greenfield Collection, 2002

Priolepis cincta (Regan, 1908)

Emery and Winterbottom, 1983, p. 18; Randall, 2005, p. 548; Fishbase 2009, p. 15 (as *P. cinctus*)

Priolepis compita Winterbottom, 1985

Winterbottom, 1985, p.748; Randall, 2005, p.548; Greenfield Collection, 2002

Priolepis fallacincta Winterbottom and BurrIDGE, 1992

Williams, 1997, p. 14; Randall, 2005, p. 548

Priolepis inhaca (Smith, 1949)

Royal Ontario Museum (Great Astrolabe Reef Collection)

Priolepis kappa Winterbottom and BurrIDGE, 1993

Williams, 1997, p. 14; Randall, 2005, p. 549 (Fiji and Rotuma)

Priolepis pallidicincta Winterbottom and BurrIDGE, 1993

Williams, 1997, p. 14; McGrouter, 1997, p. 8; Randall, 2005, p. 549 Holotype is from Dravuni.

Priolepis semidoliatus (Valenciennes, 1837)

Fowler, 1931, p. 363 (as *Zonogobius semidoliatus*); Fishbase 2009, p. 15 (as *P semidoliata*)

**Priolepis* sp. 2

Royal Ontario Museum (Great Astrolabe Reef Collection)

- **Priolepis* sp. 4
Royal Ontario Museum (Great Astrolabe Reef Collection)
- **Priolepis* sp. 7
Royal Ontario Museum (Great Astrolabe Reef Collection); Williams, 1997, p. 15
- Priolepis triops* Winterbottom & Burrige, 1993.
Williams, 1997, p. 15; Randall, 2005, p. 550
- Psammogobius biocellatus* (Valenciennes, 1837)
Jenkins, 2003 (= *Glossogobius biocellatus*?); Boseto, 2005, p. 198
- Pseudogobius* j. s. u.
McGrout, 1997, p. 8
- Ptereleotris evides* (Jordan & Hubbs, 1925)
Carlson, 1975, p. 67 (as *Ptereleotris tricolor* Smith, 1956)
- Ptereleotris heteroptera* (Bleeker, 1855)
Randall and Hoese, 1985, pp. 17, 18
- Ptereleotris microlepis* (Bleeker, 1856)
Randall and Hoese, 1985, p. 26
- Quisquilius eugenius* Jordan and Evermann, 1902
Fowler, 1934, p. 441
- Redigobius bikolanus* (Herre, 1927)
Jenkins, 2003, Boseto, 2005, p. 198
- Redigobius leptochilus* (Bleeker, 1875)
Jenkins, 2003
- Redigobius leverii* (Fowler, 1943) Endemic.
Fowler, 1943, p. 2 (as *Gobius leverii*)
- Redigobius roemeri* (Weber, 1911)
Guinea and Jaensch, 1999, p. 46, Boseto, 2005, p. 198
- **Redigobius* sp
Williams, 1997, p. 15
- Redigobius tambujon* (Bleeker, 1854)
? Boseto, D. 2005, p. (Boseto *pers comm.* 2006)
- Redigobius* n. sp being described by Helen Larson. Endemic.
Jenkins, 2003, Boseto, 2005, p. 198
- Rewa hicklingi* Whitley, 1950
Whitley, 1950, p. 245; McGrout, 1997, p. 9 (as *Sicyopterus hicklingi* (Whitley, 1950); Boseto, 2005, p. 198 (as *Sicyopterus hicklingi*)
- Rhinogobius laddi* Fowler, 1931
Fowler, 1931, p. 362
- Schismatogobius chrysonotus* Jenkins and Boseto, 2003. Endemic.
Jenkins, 2003;
- **Stigmatogobius sadanundio* (Hamilton, 1822)
<http://fish.mongabay.com/data/Fiji.htm> (questionable)
- Schismatogobius vitiensis* Jenkins and Boseto 2005
Jenkins and Boseto, 2005, p. 75 Endemic
- Sicydium lagocephalus* (Pallas, 1774)
Schmeltz, 1869, p. 18 (as *S. laticeps*), Boseto, 2005, p. 198 (as *Sicyopterus lagocephalus*)
- Sicydium micrurus* (Bleeker, 1853) = *Sicyopterus micrurus*
Fowler, 1931, p. 361
- Sicydium taeniurum* (Günther, 1877)
Kner, 1868, p. 29 (as *Sicydium lagocephalum*, non Pallas)
- Sicyopterus* sp.
Ryan (unpublished manuscript); Lewis and Pring, 1986, p. 4
- Sicyopterus* sp (n sp.) Boseto-author. Endemic.
Jenkins, 2003
- Sicydiinae (new species and genus)
<http://ias.fst.usp.ac.fj/index.php?id=4792>
- Sicyopus* (cf *Juxtastiphon*) sp
Boseto, 2005, p. 198
- Sicyopus merielae* n. nsp Endemic.
Jenkins, 2003
- Sicyopus zosterophorum* (Bleeker, 1856/57)
Ryan, 1988, p. 96, Boseto, 2005, p. 198
- Signigobius biocellatus* Hoese and Allen, 1977
Aw, 2000, p. 134
- Stenogobius genivittatus* (Valenciennes, 1837)
Schmeltz, 1865, p. 8 (as *Gobius genivittatus*); Schmeltz, 1869, p. 18 (as *Kurtus genivittatus*)
- **Stenogobius* sp. 1
Boseto, 2005, p. 198
- Stigmatogobius hoevenii* (Bleeker, 1851)
Schmeltz, 1869, p. 18 (as *Gobius petrophile* non Bleeker)
- Stigmatogobius pleurostigma* (Bleeker, 1849)
Schmeltz, 1869, p. 18 (as *S. sadanundio*); Schmeltz, 1879, p. 46 (as *Gobius sandanundio*)

- Stigmatogobius romeri* Weber, 1908
Weber and de Beaufort, 1953, 10, p. 113
- Stigmatogobius sadanundio* (Hamilton Buchanan, 1822)
Singleton, 1997, p. 99 (as *Gobius sadanundio*), Boseto, 2005, p. 198
- Stiphodon elegans* (Steindachner, 1879)
Herre, 1936, p. 387
- **Stiphodon* sp
Lewis and Pring, 1986, p. 4
- Stiphodon rutilaureus* Watson, 1996
Jenkins, 2003, Boseto, 2005, p. 198
- Stiphodon semoni* Weber, 1895
Jenkins, 2003
- Stiphodon* sp. "birdsong"
Jenkins, 2003
- Stiphodon* sp. 1
Boseto, 2005, p. 198
- Stiphodon* sp. 2
Boseto, 2005, p. 198
- Stonogobiops xanthorhinica* Hoese and Randall, 1982
Allen *et al.*, 2003, p. 310; Randall, 2005, p. 551
- Sueviota aprica* Winterbottom & Hoese 1988
Royal Ontario Museum (Great Astrolabe Reef Collection); Randall, 2005, p. 551
- Sueviota atrinasa* Winterbottom & Hoese 1988
Greenfield Collection, 2002
- Sueviota lachneri* Winterbottom and Hoese, 1988
Royal Ontario Museum (Great Astrolabe Reef Collection); Randall, 2005, p. 552
- Trimma anaima* Winterbottom, 2000
Royal Ontario Museum (Great Astrolabe Reef Collection); Allen *et al.*, 2003, p. 331
- Trimma annosum* Winterbottom, 2003
Fishbase 2009, p. 18
- Trimma anthrena* Winterbottom, 2006
Royal Ontario Museum (Great Astrolabe Reef Collection). Probably endemic; Fishbase 2009, p. 18 (as *T. anthrenum*)
- Trimma benjamini* Winterbottom, 1996
Ryan, 2000, p. 148; Randall, 2005, p. 552
- Trimma caesiura* Jordan & Seale, 1906
Zug *et al.*, 1988, p. 9
- Trimma cana* Winterbottom, 2004
Fishbase 2009, p. 18
- **Trimma* DFH sp. 9
Royal Ontario Museum (Great Astrolabe Reef Collection)
- **Trimma* DFH sp. 17
Royal Ontario Museum (Great Astrolabe Reef Collection)
- Trimma emeryi* Winterbottom, 1985
Winterbottom, 1985, p. 752
- Trimma eviotops* Schultz, 1943
Fishbase 2009, p. 18
- Trimma flavatrum* Hagiwara & Winterbottom, 2007
Fishbase 2009, p. 18
- Trimma macrophthalma* (Tomiyama, 1936)
Emery and Winterbottom, 1983, p. 18; Allen *et al.*, 2003, p. 329; Randall, 2005, p. 553
- Trimma nasa* Winterbottom, 2005
Fishbase 2009, p. 18
- Trimma naudie* Smith, 1956
Emery and Winterbottom, 1983, p. 18
- Trimma okinawae* (Aoyagi, 1949)
Royal Ontario Museum (Great Astrolabe Reef Collection); Fishbase 2009, p. 18
- Trimma preclarum* Winterbottom, 2006
Fishbase 2009, p. 19
- **Trimma* RW sp 18
Royal Ontario Museum (Great Astrolabe Reef Collection)
- **Trimma* RW sp 25
Royal Ontario Museum (Great Astrolabe Reef Collection)
- **Trimma* RW sp 27
Royal Ontario Museum (Great Astrolabe Reef Collection)
- Trimma sostra* Winterbottom, 2004
Fishbase 2009, p. 19
- **Trimma* spp (two undescribed species)
Zug *et al.* 1988, p. 9

- **Trimma* n. sp. ms. 1994
McGrouter, 1997, p. 10
- **Trimma* sp. n.
McGrouter, 1997, p. 10
- Trimma* sp. (Redheaded Dwarf goby)
Allen *et al.*, 2003, p. 331
- Trimma taylori* Lobel, 1979
Royal Ontario Museum (Great Astrolabe Reef Collection)
- Trimma tevegae* Cohen and Davis, 1969
Emery and Winterbottom, 1983, p. 18
- Trimma unisquamis* (Gosline, 1959)
Royal Ontario Museum (Great Astrolabe Reef Collection) (as *T. unisquamis*)
- Trimma xantha* (status uncertain)
Royal Ontario Museum (Great Astrolabe Reef Collection)
- Trimmatom eviotops* (Schultz, 1943)
Zug *et al.*, 1988, p. 9 (as *Trimma eviotops* (Schultz, 1943)); Myers, 1991, p. 243
- Trimmatom nanus* Winterbottom and Emery, 1981
Royal Ontario Museum (Great Astrolabe Reef Collection). This is the shortest fish (smallest vertebrate) in the world (Guinness Book of Record, 1998, p. 246).
- Trysogobius nigrolineatus* Randall, 2006
Randall 2006, p. 105; Fishbase 2009, p. 19; <http://intreasures.com/fijimf.html> (as endemic)
- Valenciennea decora* Hoese and Larson, 1994
Hoese and Larson, 1994, pp. 18, 20, 23, plate V, B; Randall, 2005, p. 555
- Valenciennea limicola* Hoese and Larson, 1994 (type locality)
Hoese and Larson, 1994, pp. 17, 27, 28, Plate II C; Randall, 2005, p. 556
- Valenciennea longipinnis* (Lay and Bennett, 1839)
Kner, 1867, p. 720, pl. 3, fig 1 (as *Eleotris lineoculatus*); Randall, 2005, p. 556
- Valenciennea muralis* (Quoy and Gaimard, 1837) or Val., 1837.
Schmeltz, 1874 p. 29 (as *Eleotris muralis*); Lieske and Myers, 1994, p. 122; Fishbase (2003). Hoese and Larson, 1994 say this species does not reach Fiji. Ryan, 1988, p. 94; Ryan, 2000, p. 149 and Myers, 1991, p. 230 list it from Fiji.
- **Valenciennea parva* Hoese and Larson, 1994
May be found here.
- Valenciennea puellaris* (Tomiya, 1956)
Hoese and Larson, 1994, pp. 46, 51
- Valenciennea randalli* Hoese and Larsen, 1994
Randall, 2005, p. 557
- Valenciennea sexguttata* (Valenciennes, 1837)
Hoese and Larson, 1994, pp. 56, 58
- **Valenciennea* sp.
Zug *et al.*, 1988, p. 9
- Valenciennea strigata* (Broussonet, 1782)
Schmeltz, 1869, p. 19 (as *Eleotris trigata*); Nimmerfroeh, 2006, p. 48
- Vanderhorstia atriclypeus* (Garman, 1903)
Randall and Munday 2009, p. 35
- Vanderhorstia bella* Greenfield & Longenecker, 2005
Greenfield and Longenecker, 2005, p. 619; Fishbase 2009, p. 19; <http://intreasures.com/fijimf.html> (as endemic)
- Vanderhorstia ornatissima* Smith, 1959
Royal Ontario Museum (Great Astrolabe Reef Collection)
- Viamosa osgoodi* Herre, 1935
Herre, 1935, p. 420
- Yongeichthys nebulosus* (Forsskål, 1775)
Seale, 1935, p. 372 (as *Rhinogobius criniger*)
- **Yongeichthys* sp
McGrouter, 1997, p. 10
- Gobiidae *rubescens*
Williams, 1997, p. 9
- Undescribed goby (new species and new genus)
Boseto, 2005, p. 198.
- Xenisthmidae (Wrigglers)**
Rotuma lewisi Springer, 1988
Springer, 1988; Zug *et al.*, 1988, p. 9. Endemic to Rotuma.
- Tyson belos* Springer, 1983
Springer, 1983, p. 6
- Xenisthmus clara* (Jordan and Seale, 1906)
Zug *et al.*, 1988, p. 9; Fishbase 2009, p. 19 (as *Xenisthmus clarus*)
- Xenisthmus eiropilus* Gill & Hoese, 2004
Fishbase 2009, p. 19
- Xenisthmus polyzonatus* (Klunzinger, 1871)

Randall, 2005, p. 561

**Xenisthmus* sp.

Carlson, 1975, p. 68 (USP specimen #3367)

**Xenisthmus* sp

McGrouter, 1997, p. 10

Megalopidae (Tarpons)

Megalops cyprinoides (Broussonet, 1782)

Schmeltz, 1874, p. 37

Gobioididae

Taeniodes sp.

Springer, 1982, p. 149

Taenioides sp

McGrouter, 1997, p. 9

Rachycentridae

**Rachycentron canadus* (Linnaeus, 1766)

Fischer and Whitehead, 1974, Vol. III; Nair, 2003 p. 57; Fishbase 2009, p. 16. A doubtful record from Fiji.

Sciaenidae

**Dendrophysa russelli* Cuvier, 1830

Fischer and Whitehead, 1974, Vol. III. A doubtful record for Fiji.

**Nibeas soldado* (Lacépède, 1802)

Fischer and Whitehead, 1974, Vol. III. A doubtful record for Fiji.

**Otolithes ruber* (Schneider, 1801)

Fischer and Whitehead, 1974, Vol. III. A doubtful record for Fiji.

**Protonibeas diacanthus* (Lacépède, 1802)

Fischer and Whitehead, 1974, Vol. III. A doubtful record for Fiji.

Symphysanodontidae

Symphysanodon typus Bleeker, 1878

Zug *et al.*, 1988, p. 15

Sometimes put in Serranidae

Trypauchenidae

Amblyotrypauchen arctocephalus (Alcock, 1890)

Fowler, 1949, p. 142

Trypauchen vagina (Schneider, 1801)

Garman, 1903, p. 235 (as *Gobiodes tototensis*)

Karsten tototensis (Garman, 1903)

Murdy, 2002, p. 787 (see above)

Callionymidae (Mandarins)

Callionymus simplicicornis Valenciennes, 1837

Fricke, 1983, p. 437; Nakabo, 1982, p. 81 says this should be put in a new genus *Pseudocalliurichthys*.

Diplogrammus goramensis (Bleeker, 1858)

Herre, 1936, p. 319 (as *Callionymus cookei*); *Diplogrammus cookei* (Günther, 1871) is valid (Nakabo, 1982, p. 80).

Neosynchiropus ocellatus (Pallas, 1770)

Schmeltz, 1869, p. 19 (as *Callionymus calauropomus* non Richardson); Nakabo, 1982, p. 92 (as *Neosynchiropus* sp)

Synchiropus bartlesi (Fricke, 1981)

Nimmerfro, 2006, p. 47

Synchiropus laddi Schultz, 1960

Zug *et al.*, 1988, p. 7; Nakabo, 1982, p. 80 says this should have a new genus *Minysynchiropus*.

Synchiropus morrisoni Schultz, 1960

Zaiser and Fricke, 1985, p. 395; Allen *et al.*, 2003, p. 290; Randall, 2005, p. 509; Nakabo, 1982, p. 78 says this should be put in the new genus *Neosynchiropus*.

Synchiropus ocellatus (Pallas 1770)

Fishbase (2003)

Synchiropus springeri Fricke, 1983

Fricke, 1983, p. 673; Winterbottom and Emery, 1983, p. 21 (as *Synchiropus* n. sp); <http://inttreasures.com/fijimf.html> (as endemic)

Pinguipedidae (= Paraperidae; Mugiloididae)

Paraperca australis Randall, 2003

Randall, 2003, p. 1; Randall, 2005, p. 463

Paraperca clathrata Ogilby, 1910

Günther, 1876, p. 158; Carpenter and Niem, 2001, p. 3506; Earle, 2004, p. 6

Paraperca cylindrica (Bloch, 1792)

Schmeltz, 1869, p. 16 (as *Percis cylindrica*); Carpenter and Niem, 2001, p. 3506

Paraperca haackei (Steindachner, 1884)

McGrouter, 1997, p. 7

Paraperca hexophthalma (Ehrenberg In Cuvier and Valenciennes, 1829)

Schmeltz, 1869, p. 16; Carpenter and Niem, 2001, p. 3507. *Paraperca polyophthalma* C & V, 1829 is the female form (Randall, Allen and Steene, 1990, p. 360)

Paraperca millepunctata (Günther, 1860)

Schultz *et al.*, 1953 - 1966, 2, p. 267 (as *Paraperca cephalopunctata* (Seale, 1901); Carpenter and Niem, 2001, p. 3507

Paraperca schauinslandii (Steindachner, 1900)

Carpenter and Niem, 2001, p. 3508

Parapercis tetracantha (Lacépède, 1800)
Gray, 1859, p. 21 (as *Percis cancellata*)

Parapercis xanthozona (Bleeker, 1849)
Cantwell, 1964, p. 273; Carpenter and Niem, 2001, pp. 3504, 3510;
Randall, 2005, p. 466

Opistognathidae (Jawfishes, or Smilers)

Opistognathus sp.
Springer, 1982, p. 149; Allen *et al.*, 2003, p. 298

Opistognathus sp. (Smith-Vaniz in prep.)
Randall, 2005, p. 345

Opistognathus sp. (Smith-Vaniz in prep.) (different from above)
Randall, 2005, p. 345

Owstoniidae

Owstonia weberi Gilchrist, 1922
Raj and Seeto, 1984

Cepolidae

Unidentified species
B. Carlson, 1985, *pers. comm.*

Toxotidae (Archer fishes)

**Toxotes jaculator* (Pallas, 1766)
Whitley, 1927a, p. 6 A questionable record for Fiji (see: Springer,
1982, p. 100).

Trichonotidae

*Unidentified? Note: specimen at USP (# 3085) Marine Reference
collection. Carlson, 1975, p. 61

Trichonotus elegans Shimada & Yoshino 1984
Fishbase (2003); Randall, 2005, p. 467

Trichonotus setiger Bloch & Schneider, 1801
Randall, 2005, p. 467

Creediidae (Sand burrowers)

Chalixodytes tauensis Schultz, 1943
Zug *et al.*, 1988, p. 8

Limnichthys n. sp.
Nelson and Randall, 1985, p. 409

Limnichthys donaldsoni Schultz, 1960
Zug *et al.*, 1988, p. 8

Limnichthys fasciatus Waite, 1904
Royal Ontario Museum (Great Astrolabe Reef Collection)

**Limnichthys* sp
Williams, 1997, p. 11

Percophidae

Bembrops philippinus (Fowler, 1939)
Raj and Seeto, 1984 (as *B. flodorsalis*, non Okada and Susuku)

Kraemeriidae (Sand divers) sometimes placed in the Gobiidae
Krameria samoensis Steindachner, 1906
J. Seeto, *pers. comm.*, USP specimen

Krameria sp.
Zug *et al.*, 1988, p. 10

Champsodontidae

Champsodon sp.
J. Seeto, *pers. comm.*, USP specimen.

Uranoscopidae (Star-gazers)

Uranoscopus sulphureus Valenciennes, 1831
Steindachner, 1868, pp. 28, 319 (as *U. fuscomaculatus*); Carpenter
and Niem, 2001, p. 3529; Randall, 2005, p. 470

Uranoscopus sp.
J Seeto specimen (stargazer). Photo.

Gobiesocidae (Clingfishes)

Conidens samoensis (Steindachner, 1801)
Günther, 1862, 3, p. 509 (as *Trachelochismus pinnulatus*)

Discotrema crinophila Briggs, 1976
Briggs, 1976, p. 340; Allen *et al.*, 2003, p. 389; Randall, 2005, p. 506

Discotrema sp.
www.larryulrich.com/uwlocationlist.html

Discotrema zonatum Craig & Randall, 2008
Fishbase 2009, p. 7; <http://intreasures.com/fijimf.html> (as
endemic)

Lepadichthys bolini Briggs, 1962
Carlson, 1975, p. 10

Lepadichthys caritus Briggs, 1961
Busonero, 1996, p. 46

Lepadichthys frenatus Waite, 1904
Royal Ontario Museum (Great Astrolabe Reef Collection); Randall,
2005, p. 506

Lepadichthys lineatus Brigg, 1966.
Carlson, 1975, p. 10 (as *Diademichthys lineatus* (Sauvage, 1883)

*Unidentified
Williams, 1997, p. 8

Tripterygiidae (Triplefins)

Ceratobregma helenae Holleman, 1987

Williams, 1997, p. 4; Randall, 2005, p. 471

Enneapterygius elegans (Peters, 1877)

Williams, 1997, p. 7; Randall, 2005, p. 471 (Rotuma; not Fiji)

Eneapterygius flavoccipitis Shen, 1994

Nimmerfroh, 2006, p. 48

Enneapterygius fuscoventer Fricke, 1997

Nair, 2003, p. 60

Enneapterygius hemimelas (Kner and Steindachner, 1866)

Fowler, 1955a, p. 378

Enneapterygius minutus (Günther, 1877)

Fowler, 1959, p. 523

Enneapterygius pardochir Jordan and Seale, 1906

Herre, 1936, p. 397

Enneapterygius philippinus (Peters, 1869)

McGrouter, 1997, p. 4

Enneapterygius pyramis Fricke, 1994 Holotype Rotuma.

Williams, 1997, p. 7; Randall, 2005, p. 473

Enneapterygius rhabdotus Fricke, 1994

Williams, 1997, p. 7; Randall, 2005, p. 475 (Rotuma, not Fiji)

Enneapterygius rufopileus (Waite, 1904)

Williams, 1997, p. 7; Randall, 2005, p. 475

**Enneapterygius* sp.

Royal Ontario Museum (Great Astrolabe Reef Collection); Zug *et al.*, 1988, p. 15 (may not be same as above); McGrouter, 1997, p. 4

Enneapterygius triserialis Fricke, 1994

Williams, 1997, p. 7; McGrouter, 1997, p. 4; Randall, 2005, p. 475 (Fiji, Rotuma & elsewhere)

Enneapterygius tutuilae Jordan and Seale, 1906

Williams, 1997, p. 7; McGrouter, 1997, p. 4

Helcogramma capidata Rosenblatt in Schultz, 1960

Myers, 1991, p. 204; Randall, 2005, p. 476 (as *H. capidatum*); Fishbase 2009, p. 9 (as *H. capidatum*).

Helcogramma cerasina Williams & Howe, 2003

Fishbase 2009, p. 9

Helcogramma chica Rosenblatt in Schultz, 1960

Zug *et al.*, 1988, p. 15

Helcogramma ellioti (Herre, 1944)

Williams, 1997, p. 10

Helcogramma fuscopinna Holleman, 1982

Zug *et al.*, 1988, p. 15

Helcogramma hudsoni (Jordan and Seale, 1906)

Zug *et al.*, 1988, p. 15; Randall, 2005, p. 476 (Fiji, Rotuma & others)

Helcogramma rhinoceros Hansen, 1986

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Helcogramma striatum Hansen, 1986

McGrouter, 1997, p. 3 (as *Ceratobregma striata*); Randall, 2005, p. 477; Fishbase 2009, p. 4 (as *Ceratobregma striata*)

**Helcogramma* sp.

Royal Ontario Museum (Great Astrolabe Reef Collection); McGrouter, 1997, p. 5

**Helcogramma* n. sp. ms 1994

McGrouter, 1997, p. 5.

Norfolkia brachylepis (Schultz, 1960)

Williams, 1997, p. 12; Randall, 2005, p. 478

Norfolkia thomasi Whitley, 1964

Royal Ontario Museum (Great Astrolabe Reef Collection); Randall, 2005, p. 478

Springerichthys kulbickii (Fricke, 1994)

McGrouter, 1997, p. 5 (as *Gracilopterygion kulbickii*); Williams, 1997, p. 9 (as *Gracilopterygion kulbickii*); Randall, 2005, p. 479

Ucla xenogrammus Hollermann, 1993

Nair, 2003, p. 60; Nimmerfroh, 2006, p. 48

Blennidae (Blennies)

Alticus arnoldorum (Curtiss, 1938)

Randall, 2005, p. 480 (Rotuma and elsewhere; not reported from Fiji)

Alticus saliens (Forster, 1788)

Boulenger, 1897, p. 373 (as *Salaris tridactylus*)

Alticus sertatus (Garman, 1903)

Fishbase 2009, p. 1

**Alticus* sp.

Zug *et al.*, 1988, p. 6, 22

**Alticus* sp. A

Zug *et al.*, 1988, p. 22

- Aspidontus dussumieri* (Valenciennes, 1836)
Carlson, 1975, p. 61
- Aspidontus taeniatus taeniatus* Quoy and Gaimard, 1834
Günther, 1877, 6, p. 195 (as *Petroscrites taeniatus*)
- Atrosalarias fuscus holomelas* (Günther, 1866-1872)
Fowler, 1928, p. 435 (as *Salarias fuscus*)
- Blenniella caudolineata* (Günther, 1877)
Boulenger, 1897, p. 373 (as *Salarias caudolineatus*)
- Blenniella chrysospilus* (Bleeker, 1857)
Carlson, 1975, p. 63 (as *Istiblennius coronatus* (Günther, 1872); Zug *et al.*, 1988, p. 7 (as *Istiblennius chrysospilus*)
- Blenniella cyanostigma* (Bleeker, 1849)
Williams, 1997, p. 10 (as *Istiblennius cyanostigma*)
- Blenniella paula* (Bryan and Herre, 1903)
Williams, 1997, p. 10; Nair, 2003, p. 49
- **Blenniella periophthalmus* (Valenciennes, 1836)
Kner, 1868, p. 333 (as *Salarias periophthalmus*). Randall *et al.*, 1997 say this is closely related to *B. paula* and found only from East Africa and Red Sea to Indo-Malayan region. A doubtful species from Fiji. Nair, 2003, p. 49 lists it from here.
- **Blennius pholis* Linnaeus, 1859
Gray, 1859, p. 43. A misidentification. Fowler (1934 p. 445) thinks it is an unlikely name for a blenny.
- Cirripectes castaneus* (Valenciennes, 1836)
Kner, 1868, p. 333 (as *Salarias sebae*); Earle, 2004, p. 6
- Cirripectes chelomatus* Williams and Maugé 1983
Williams, 1988, pp. 32, 33; Lieske and Myers, 1994, p. 115; Randall, 2005, p. 485
- Cirripectes fuscoguttatus* Strasburg & Schultz, 1953
Zug *et al.*, 1988, p. 6
- Cirripectes perustus* Smith, 1959
Williams, 1988, p. 54; Randall, 2005, p. 486
- Cirripectes polyzona* (Bleeker, 1868)
Garman, 1903, p. 236 (as *Blennius canescens*); Randall, 2005, p. 486
- Cirripectes quagga* (Fowler and Ball, 1924)
Williams, 1988, p. 59, 60
- Cirripectes stigmaticus* Strasburg and Schultz, 1953
Carlson, 1975, p. 61
- Cirripectes variolosus* (Valenciennes, 1836)
- Zug *et al.*, 1988, p. 7; Earle, 2004, p. 6
- Cirrisalarias bunares* Springer, 1976
Williams, 1997, p. 6; Randall, 2005, p. 487
- Crossosalarias macrospilus* Smith-Vaniz and Springer, 1971
Carlson, 1975, p. 62; Randall, 2005, p. 488
- Ecsenius australianus* Springer, 1988
Carlson, 1975, p. 414 (as *Ecsenius opsifrontalis* Chapman and Schultz, 1960); Lieske and Myers, 1994, p. 116 (Rotuma) (as *Ecsenius opsifrontalis* Chapman and Schultz, 1960); Williams, 1997, p. 7 (as *Ecsenius opsifrontalis* Chapman and Schultz, 1960); Nair, 2003, p. 49 (as *E. opsifrontalis*). *E. opsifrontalis* is now restricted to Samoa and islands of Micronesia (Randall, Allen and Steene, 1990).
- Ecsenius bicolor* (Day, 1888)
Springer, 1971, p. 25; Allen *et al.*, 2003, p. 350; Earle, 2004, p. 6
- Ecsenius fijiensis* Springer, 1988-90 (Holotype from Astrolabe Lagoon, Kadavu)
Zug *et al.*, 1988, p. 22; Royal Ontario Museum (Great Astrolabe Reef Collection); Lieske and Myers, 1994, p. 116; Randall, 2005, p. 488. Endemic to Fiji and not found in Rotuma.
- Ecsenius fourmanoiri* Springer, 1972
Lieske and Myers, 1994, p. 116; Williams, 1997, p. 7; Randall, 2005, p. 489
- Ecsenius midas* Starck, 1969
Carlson, 1975, p. 62
- Ecsenius oculus* Springer, 1971
Springer, 1972b, p. 4
- Ecsenius opsifrontalis* Chapman & Schultz, 1952
Fishbase 2009, p. 7
- Ecsenius pardus* Springer, 1988 Holotype from Kadavu.
Zug *et al.*, 1988, p. 22 (see Springer 1988 for earlier reference for *Ecsenius*). Royal Ontario Museum (Great Astrolabe Reef Collection); Lieske and Myers, 1994, p. 116; Randall, 2005, p. 490 (endemic)
- Ecsenius portenoyi* Springer, 1988. Holotype from Rotuma.
Zug *et al.*, 1988, p. 7 (found in Rotuma and Samoa but not in Fiji); Lieske and Myers, 1994, p. 116 (Rotuma and Samoa); Randall, 2005, p. 490 (Rotuma, not Fiji)
- Ecsenius tigris* Springer, 1988
Identified by the author from photo taken by Federico Busonero in Fiji for his book. See Busonero (1996). However, the picture was not used in his book.
- Enchelyurus ater* (Günther, 1877)
Herre, 1936, p. 414; Randall, 2005, p. 490
- Enchelyurus kraussi* (Klunzinger, 1871)

- Royal Ontario Museum (Great Astrolabe Reef Collection)
- Entomacrodus caudofasciatus* (Regan, 1909)
Royal Ontario Museum (Great Astrolabe Reef Collection)
- Entomacrodus decussatus* (Bleeker, 1857)
Royal Ontario Museum (Great Astrolabe Reef Collection)
- Entomacrodus sealei* (Bryan & Herre, 1903)
Zug *et al.*, 1988, p. 7
- Entomacrodus striatus* (Quoy and Gaimard, 1836)
Springer, 1967, p. 73
- Entomacrodus thalassinus* (Jordan & Seale, 1906)
Zug *et al.*, 1988, p. 7; Fishbase 2009, p. 8 (as *E. thalassinus thalassinus*)
- Exallias brevis* (Kner, 1868)
Carlson, 1975, p. 63; Allen *et al.*, 2003, p. 354
- Glyptoparus delicatulus* Smith, 1959
Carlson, 1975, p. 63; Allen *et al.*, 2003, p. 354; Randall, 2005, p. 494 (Rotuma; not Fiji)
- Istiblennius andamensis* (Day, 1870)
Zug *et al.*, 1988, p. 7
- Istiblennius dussumieri* (Valenciennes, 1836)
Schmeltz, 1869, p. 19 (as *Salarias oortii*); Allen *et al.*, 2003, p. 355; Randall, 2005, p. 495
- Istiblennius edentulus* (Bloch and Schneider, 1801)
Schmeltz, 1869, p. 19 (as *Salarias edentulus*)
- Istiblennius gibbifrons* (Quoy and Gaimard, 1824)
Fowler, 1931, p. 364 (as *Salarias gibbifrons*)
- Istiblennius lineatus* (Valenciennes, 1836)
Günther, 1859-1870, 3, p. 258 (as *Salarias hasseltii*)
- Istiblennius meleagris* (Valenciennes, 1836)
Schmeltz, 1869, p. 19 (as *Salarias meleagris*)
- Istiblennius sumatranus* (Bleeker, 1851)
Schmeltz, 1869, p. 19
- **Meiacanthus atrodorsalis* Günther, 1877
Williams, 1997, p. 11; McGrouter, 1997, p. 6. May not be found here.
- Meiacanthus atrodorsalis oualauensis* (Günther, 1880)
Günther, 1880, p. 35 (as *Petroscirtes oualensis*). Zug *et al.*, 1988, p. 22 separates the above into two species.
- Meiacanthus bundoon* Smith-Vaniz, 1976
Carlson, 1975, p. 64 (as *Meiacanthus* sp); Lieske and Myers, 1994, p. 114; Randall, 2005, p. 496 (Fiji & Tonga). It was thought to be endemic but has since been found in the Philippines (Allen *et al.*, 2003, p. 340).
- Meiacanthus ditrema* Smith-Vaniz, 1976
Carlson, 1975, p. 64 (as *Meiacanthus* sp.)
- Meiacanthus oualenensis* (Günther, 1880)
www.amdareef.com/el_blenny.htm; Earle, 2004, p. 6; Randall, 2005, p. 497 (endemic); Randall, 2005b, p. 307. This species is the same as *M atrodorsalis oualauensis* and Randall puts it up as a full species.
- Meiacanthus* sp (Green Canary)
www.amdareef.com/el_blenny.htm
- Nannosalarias nativitatus* (Regan, 1909)
Zug *et al.*, 1988, p. 7
- Omobranchus elongatus* (Peters, 1855)
Schmeltz, 1869 p. 19 (as *Petroscirtes kallosoma*); Günther, 1877, 6, p. 196 (as *Petroscirtes elongatus*)
- Omobranchus lineolatus* (Kner, 1868)
Kner, 1868, pp. 29, 331 (questionable locality) (as *Petroscirtes lineolatus*); Günther, 1877, p. 197 (as *Petroscirtes lineolatus*)
- Omobranchus obliquus* (Garman, 1903)
Garman, 1903, p. 237 (as *Petroscirtes obliquus*); Randall, 2005, p. 498 (was called *O rotundiceps obliquus* at one stage)
- Omobranchus punctatus* (Valenciennes, 1836)
Kner, 1868, p. 322 (as *Petroscirtes semilineatus*) - questionable locality. McGrouter, 1997, p. 7
- Parenchelyurus hepburni* (Snyder, 1908)
Springer, 1972a, p. 12
- Petroscirtes mitratus* Ruppell, 1828
Williams, 1997, p. 13
- Petroscirtes pylei* Smith-Vaniz, 2005
Smith-Vaniz, 2005, p. 29; <http://intresasures.com/fijimf.html> (as endemic)
- Petroscirtes variabilis* Cantor, 1850
Myers, 1991, p. 216
- Petroscirtes xestus* Jordan and Seale, 1906
Williams, 1997, p. 14
- Plagiotremus laudandus flavus* Smith-Vaniz, 1976
Seale, 1936, p. 85 (as *Petroscirtes auratus*); Randall, 2005B, p. 307; Fishbase 2009, p. 14. This subspecies was thought to be endemic but also found in Tonga (Allen *et al.*, 2003, p. 343).

- Plagiotremus flavus* Smith-Vaniz, 1976
Zug *et al.*, 1988, p. 22 (see listing immediately above!)
- Plagiotremus laudandus laudandus* (Whitley, 1961)
Myers, 1991, p. 215. Some authors (e.g. Nair, 2003, Earle, 2004, p. 6) list this from Fiji as *P. laudandus* only.
- Plagiotremus rhinorhynchos* (Bleeker, 1852)
Carlson, 1975, p. 92; Earle, 2004, p. 6
- **Plagiotremus* sp.
Nimmerfroh, 2006, p. 33
- Plagiotremus tapeinosoma tapeinosoma* (Bleeker, 1857)
Carlson, 1975, p. 64; Williams, 1997, p. 3 (as *Aspidontus tapeinosoma* (Bleeker, 1857); Fishbase 2009, p. 14 (as *P. tapeinosoma*)
- Praealticus caesius* (Seale, 1906)
Williams, 1997, p. 14; Randall, 2005, p. 501
- Praealticus margaritatus* (Kendall and Radcliffe, 1912)
Herre, 1936, p. 410; Randall, 2005, p. 501 (Rotuma, not Fiji)
- **Praealticus* sp.
Royal Ontario Museum (Great Astrolabe Reef Collection). Zug *et al.*, 1988, p. 7 (may be a separate species from ROM)
- Rhabdoblennius nigropunctatus* Bath, 2004
Fishbase 2009, p. 16
- **Rhabdoblennius* sp.
Williams, 1997, p. 15
- Salarias alboguttatus* Kner, 1867
Kner, 1868, p. 334; Randall, 2005, p. 503
- Salarias dussumieri* (Valenciennes, 1836)
Fowler, 1928 (p. 440) (as *Salarias geminatus* Alleyne and Macleay, 1877)
- Salarias fasciatus* (Bloch, 1786)
Günther, 1877, p. 201; Kner, 1868, p. 322 (as *Salarias semilineatus*); Nimmerfroh, 2006, p. 33
- Salarias guttatus* Valenciennes, 1836
Carlson, 1975, p. 64
- Salarias cf. luctuosus* Whitney, 1929
Royal Ontario Museum (Great Astrolabe Reef Collection)
- Salarias marmoratus* (Bennett, 1828)
Boulenger, 1897, p. 373. A Hawaiian endemic species erroneously listed from Fiji.
- Salarias sinuosus* Snyder, 1908
Fowler, 1955a, p. 379
- **Salarias* sp. A
Royal Ontario Museum (Great Astrolabe Reef Collection)
- Stanulus seychellensis* Smith, 1969
Zug *et al.*, 1988, p. 7
- Xiphasia matsubarai* Okada and Suzuki, 1952
Randall, 2005, p. 505
- Xiphasia setifer* Swainson, 1839
Blaber *et al.*, 1993b, p. 105; Milton, Rawlinson, and Sesewa, 1993, p. 94
- Microdesmidae (Wormfishes)**
- Gunnellichthys curiosus* Dawson, 1968
Carlson, 1975, p. 68
- Gunnellichthys monostigma* Smith, 1958
Royal Ontario Museum (Great Astrolabe Reef Collection)
- Gunnellichthys pleurotaenia* Bleeker, 1858
Dawson, 1973, p. 318
- **Gunnellichthys* sp.
McGrouter, 1997, p. 5
- Gunnellichthys viridescens* Dawson, 1968
Williams, 1997, p. 9
- Ptereleotridae (Dartfishes)**
- Nemateleotris decora* Randall and Allen, 1973
Nimmerfroh, 2006, p. 47
- Nemateleotris magnifica* Fowler, 1938
Royal Ontario Museum (Great Astrolabe Reef Collection); www.larryulrich.com/uwlocationlist.html; Nair, 2003, p. 55; Earle, 2004, p. 6; Nimmerfroh, 2006, p. 47
- Parioglossus formosus* (Smith, 1931)
Rennis and Hoese, 1985, p. 177; Randall, 2005, p. 565
- Parioglossus nudus* Rennis and Hoese, 1985
Rennis and Hoese, 1985, p. 185; Randall, 2005, p. 565
- Parioglossus raoi* (Herre, 1939)
Rennis and Hoese, 1985, p. 185; Randall, 2005, p. 565
- Parioglossus taeniatus* Regan, 1912
Rennis and Hoese, 1985, p. 187; Randall, 2005, p. 565
- Parioglossus triquetrus* Rennis and Hoese, 1985
Rennis and Hoese, 1985, p. 188 (endemic)
- Ptereleotris evides* (Jordan and Hubbs, 1925)

Randall and Hoese, 1985, p. 12; Earle, 2004, p. 6

Ptereleotris heteroptera (Bleeker, 1855)

Randall and Hoese, 1985, p. 17

Ptereleotris microlepis (Bleeker, 1856)

Randall and Hoese, 1985, pp. 23, 24

Carapidae (Pearlfishes)

Carapus homei (Richardson, 1846)

Günther, 1862, 4, p. 382 (as *Fierasfer homei*)

Carapus mourlani (Petit, 1934)

Carlson, 1975, p. 86

Carapus parvibrachium Fowler, 1927

Fowler, 1927, p. 31. Also known as *Onuxodon parvibranchium*

Carapus parvipinnis (Kaup, 1856)

Boulenger, 1897, p. 374

Jordanicus gracilis (Bleeker, 1856)

Boulenger, 1897, p. 374 (as *Fierasfer gracilis*)

Onuxodon sp.

Carlson, 1975, p. 9

Ophidiidae (Brotulas)

Brotula flaviviridis Greenfield, 2005

<http://intreasures.com/fijimf.html> (endemic)

Brotula multibarbata Temminck and Schlegel, 1846

Fowler, 1929, p. 13 (as *B. mulleri*)

Brotula townsendi Fowler, 1900

Zug *et al.*, 1988, p. 12

Bythitidae (Cuskeels)

**Brosmophycis* sp. Check USP #507, #2206, #3048

Carlson, 1975, p. 10

Brosmophycis pautzkei Schultz, 1960

Carlson, 1975, p. 10. *Brosmophyciops* is the other genus.

Dermatopsis greenfieldi Møller & Schwarzhans, 2006

Fishbase 2009, p. 7 endemic

Dermatopsis macrodon Ogilby, 1896

McGrouter, 1997, p. 4

Diancistrus beateae Schwarzhans, Møller & Nielsen, 2005

Fishbase 2009, p. 7

Diancistrus eremitus Schwarzhans, Møller & Nielsen, 2005

Fishbase 2009, p. 7

Diancistrus fijiensis Schwarzhans, Møller & Nielsen, 2005

Fishbase 2009, p. 7; <http://intreasures.com/fijimf.html> (as endemic)

Diancistrus robustus Schwarzhans, Møller & Nielsen, 2005

Fishbase 2009, p. 7; <http://intreasures.com/fijimf.html> (as endemic)

Diancistrus tongaensis Schwarzhans, Møller & Nielsen, 2005

Fishbase 2009, p. 7

Dinematichthys iluocoeteoides Bleeker, 1855

Carlson, 1975, p. 10

Dinematichthys riukuensis Aoyagi 1954

Fishbase, 2002, p. 2

**Dinematichthys* sp.

Zug *et al.*, 1988, p. 7; McGrouter, 1997, p. 4

Microbrotula greenfieldi Anderson, 2007.

Fishbase 2009. p. 12; <http://intreasures.com/fijimf.html> (as endemic)

Neobythites fijiensis Nielsen, 2002.

Nair, 2003, p. 64; Fishbase 2009, p. 13

Neobythites longiceps Smith and Radcliffe, 1913

Raj and Seeto, 1984

Neobythites macrops Günther, 1887

Günther, 1887, p. 102

Neobythites musorstomi Nielsen, 2002.

Nair, 2003, p. 64; Fishbase 2009, p. 13

Neobythites sereti Nielsen, 2002.

Nair, 2003, p. 64; Fishbase 2009, p. 13

Mastacembelidae

Mastacembelus armatus (Lacépède, 1800)

Gray, 1859, p. 33 (introduced)

Lophiidae (Monkfish)

Lophiodes naresi (Gunther, 1880)

Carpenter, K. E. and Niem, V. H. 1999a, p. 2010

Lophiomus setigerus (Vahl, 1797)

Carpenter, K. E. and Niem, V. H. 1999a, p. 2011

Antennariidae (Frogfishes)

Antennarius analis Gosline, 1957

Pietsch and Grobecker, 1987, pp. 163, 165, 291; Randall, 2005, p. 69

Antennarius coccineus (Lesson, 1831)

Boulenger, 1897, p. 373 (as *Antennarius nummifer* non Cuvier);

Nimmerfroh, 2006, pp. 105, 106

Antennarius commersoni (Latrèille, 1804)

Pietsch and Grobecker, 1987, pp. 95, 97, 287; Randall, 2005, p. 70

Antennarius dorehensis Bleeker, 1859

Schultz, 1957, p. 99 (as *Antennarius altipinnis* Smith and Radcliffe, 1912)

Antennarius hispidus (Bloch and Schneider, 1801)

Schmeltz, 1869, p. 19; Allen *et al.*, 2003, p. 365; Randall, 2005, p. 71

Antennarius nummifer (Cuvier, 1817)

Schmeltz, 1869, p. 19 (as *A. coccineus*); Nimmerfroh, 2006, p. 102

**Antennarius pictus* (Shaw and Nodder, 1794)

J. Seeto *pers. comm.*

Antennarius randalli Allen, 1970

Pietsch and Grobecker, 1987, pp. 178, 180, 291; Randall, 2005, p. 72

Antennarius sp

McGrouter, 1997, p. 1; www.amdareef.com/el_angler.htm

Antennarius striatus (Shaw and Nodder, 1794)

Pietsch and Grobecker, 1987, pp. 65, 69, 286 (photograph supplied by J. Seeto)

Golem cooperae Strasburg, 1966

Strasburg, 1966, p. 475. Pietsch and Grobecker (1987) calls this a *nomen dubium* (p. 265) and say that it is a synonym of one of the *Antennarius striatus* Group.

Histrio histrio (Linnaeus, 1758)

Schmeltz, 1869, p. 19 (as *Antennarius marmoratus* non Shaw & Nodder)

Chaunacidae

Chaunax pictus Lowe, 1846

Günther, 1887, p. 58

Ogocephalidae

Halieutopsis sp.

J. Seeto (deepsea trap) 1986.

Halieutaea stellata Valenciennes, 1797

Fiji Fish (Randy Thaman specimen) – early Feb 2008)

Acanthuridae (Surgeonfishes and Unicornfishes)

Acanthurus albipectoralis Allen and Ayling, 1987

Sighted by Nick Dulvy, 1999, in Southern Lau.

Acanthurus achilles Shaw, 1803

Nair, 2003, p. 47; Brown, 2006, p. 48

Acanthurus auranticavus Randall, 1956

Specimen (Samisoni Sauni specimen; 17/9/99)

Acanthurus bariene Lesson, 1831

Reported by Randy Thaman with photo (May 2007).

Acanthurus blochii Valenciennes, 1835

Nair, 2003, p. 47; Earle, 2004, p. 6

Acanthurus dussumieri (Valenciennes, 1835)

UVC, 1995, Appendices 5.1 and 5.3

Acanthurus fuliginosus Lesson

Fowler, 1940 (p. 781) (as *Teuthis fuliginosus*)

**Acanthurus gahhm* (Forsskål, 1775)

Günther, 1880, p. 35. This is a Red Sea species erroneously listed for tropical Pacific localities. Pacific records may refer to *Acanthurus nigricauda*.

**Acanthurus glaucopareus* Cuvier, 1828

James Teri, *pers. comm.* 2004. *This is probably A. nigricans.*

Acanthurus grammoptilus Richardson, 1843

Williams, 1997, p. 1

Acanthurus guttatus Forster in Bloch and Schneider, 1801

Schmeltz, 1869, p. 30, Fishbase 2009, p. 1

Acanthurus lineatus (Linnaeus, 1758)

Boulenger, 1897, p. 372; Carpenter and Niem, 2001 (vol. 6) p. 3668; Earle, 2004, p. 6

Acanthurus mata (Cuvier, 1829)

Fowler, 1931, p. 345 (as *A. leucopareus*); Carpenter and Niem, 2001 (vol. 6) p. 3669; Earle, 2004, p. 6

Acanthurus nigricans (Linnaeus, 1758)

Schmeltz, 1869, p. 20 (as *Acanthurus glaucopareus*); Earle, 2004, p. 6

Acanthurus nigricauda Duncker and Mohr, 1929

Günther, 1880, p. 35 (as *A. gahhm* non Forsskål); Carpenter and Niem, 2001 (vol. 6) p. 3670; Earle, 2004, p. 6

Acanthurus nigrofuscus (Forsskål, 1775)

Boulenger, 1897, p. 372 (as *A. nigros*); Whitley, 1927a, p. 6 (as *Teuthis elongatus*); Carpenter and Niem, 2001 (vol. 6) p. 3671; Earle, 2004, p. 6

Acanthurus nigroris Valenciennes, 1835

Günther, 1861, 3, p. 331 (as *A. bipunctatus*); Earle, 2004, p. 6 (as *A. nigrorus*)

Acanthurus olivaceus Forster in Bloch and Schneider, 1801

Schmeltz, 1869, p. 20; Carpenter and Niem, 2001 (vol. 6) p. 3671

Acanthurus pyroferus Kittlitz, 1834

Burgess and Axelrod, 1975, p. 1608; Carlson, 1975, p. 69; Carpenter and Niem, 2001 (vol. 6) p. 3673; Earle, 2004, p. 6

Acanthurus thompsoni (Fowler, 1923)

Carlson, 1975, p. 69; Earle, 2004, p. 6

Acanthurus triostegus triostegus (Linnaeus, 1758)

Schmeltz, 1869, p. 20 (as *A. triostegus*); Carpenter and Niem, 2001 (vol. 6) p. 3674

Acanthurus xanthopterus Valenciennes, 1835

Günther, 1861, 3, p. 330 (as *A. matoides*); Carpenter and Niem, 2001 (vol. 6) p. 3675; Earle, 2004, p. 6

Ctenochaetus binotatus Randall, 1955

Carlson, 1975, p. 70; Earle, 2004, p. 6

Ctenochaetus cyanocheilus Randall and Clements, 2001

Randall and Clements, 2001, p. 15; Earle, 2004, p. 6

Ctenochaetus striatus (Quoy and Gaimard, 1825)

Carlson, 1975, p. 70; Carpenter and Niem, 2001 (vol. 6) p. 3676

**Ctenochaetus strigosus* (Bennett, 1828)

Emery and Winterbottom, 1983, pp. 12, 13, 14, 16

Randall and Clements, 2001, p. 15 says this is only found in Hawaii. Randall, 2005, p. 584 says *C. strigosus* is divided into 4 different species now.

Ctenochaetus tominiensis Randall, 1955

Lewis (n.d.) Fisheries photo; Williams, 1997, p. 6; Randall, 2005, p. 587

Naso annulatus (Quoy and Gaimard, 1825)

Schmeltz, 1869, p. 20 (as *Naseus annulatus*); Günther, 1880, 1, p. 35 (as *Naseus marginatus*)

Naso brachycentron (Valenciennes, 1835)

Brown, 2006, p. 48; Fishbase 2009, p. 12

Naso brevirostris (Cuvier, 1829)

Carlson, 1975, p. 70; Carpenter and Niem, 2001 (vol. 6) p. 3677; Earle, 2004, p. 6

Naso caesius Randall and Bell, 1992

Sighted by Nick Dulvy, 1999, in Southern Lau; Randall, 2005, p. 592

**Naso cinereus*

Anon., 1985 (poster) – name not valid.

Naso hexacanthus (Bleeker, 1855)

Royal Ontario Museum (Great Astrolabe Reef Collection); Brown, 1993, p. 76; Carpenter and Niem, 2001 (vol. 6) p. 3678; Earle, 2004, p. 6

Naso lituratus (Bloch and Schneider, 1801)

Boulenger, 1897, p. 373 (as *Naseus lituratus*); Carpenter and Niem,

2001 (vol. 6) p. 3679; Earle, 2004, p. 6

Naso lopezi Herre, 1927

Sighted by Nick Dulvy, 1999, in Southern Lau.

**Naso rigoletto* Smith, 1951

Salvat *et al.*, 1976, p. 20. An Indian Ocean species but now put in the synonymy of *Naso brachycentron*.

Naso tonganus (Valenciennes, 1835)

J Seeto *pers. comm.* (as *Naso tuberosus* Lacepede, 1801-1802); Royal Ontario Museum (Great Astrolabe Reef Collection) (as *Naso tuberosus*); Fishbase 2009, p. 12

Naso unicornis (Forsskål, 1775)

Boulenger, 1897, p. 373 (as *Naseus unicornis*); Carpenter and Niem, 2001 (vol. 6) p. 3680; Earle, 2004, p. 6

Naso vlamingii (Valenciennes, 1835)

Carlson, 1975, p. 70; Earle, 2004, p. 6

Paracanthurus hepatus (Linnaeus, 1766)

Carlson, 1975, p. 70; Carpenter and Niem, 2001 (vol. 6) p. 3681; Nimmerfroh, 2006, p. 40

**Zebрасoma flavescens* (Bennett, 1828)

Günther, 1880, p. 35 (as *Acanthurus rhombeum*). This is not found in Fiji but found from Hawaii to Ryukyu.

Zebрасoma scopas (Cuvier, 1829)

Günther, 1880, p. 35 (as *Acanthurus rhombeus*); Earle, 2004, p. 6

Zebрасoma veliferum (Bloch, 1797)

Schmeltz, 1869, p. 30 (as *Acanthurus velifer*); Carpenter and Niem, 2001 (vol. 6) p. 3683; Earle, 2004, p. 7

Siganidae (Rabbitfishes)

Siganus argenteus (Quoy and Gaimard, 1825)

Kner, 1868, p. 53 (as *Teuthis oligostictus*); Sauvage, 1882, p. (as *Siganus vitianus*); Carpenter and Niem, 2001 (vol. 6) p. 3632. *Siganus rostratus* is a commonly used name for this species.

Siganus canaliculatus (Mungo Park, 1797)

Van Pel, 1961 (introduced)

Siganus chrysopilos (Bleeker, 1852)

Carlson, 1975, p. 71

Siganus corallinus (Valenciennes, 1835)

Williams, 1997, p. 16

Siganus doliatus (Cuvier, 1830)

Schmeltz, 1869, p. 20 (as *Teuthis doliata*); Carpenter and Niem, 2001 (vol. 6) p. 3635; Earle, 2004, p. 6; Randall, 2005, p. 600

Siganus fuscescens (Houttuyn, 1782)

Pöhl, 1884, p. 30 (as *Teuthis albopunctata*)

Siganus guttatus (Bloch, 1782)

Pöhl, 1884, p. 30 (as *S. concatenata*)

**Siganus lineatus* (Valenciennes, 1835)

Greenberg, 1985, p. 1. Found from the Western Pacific to India but not found in Fiji.

Siganus (Lo) niger Woodland, 1990

Woodland, 1990, p. 117 who, thinks that 'this species may also reach Fiji occasionally'. Found so far in Tonga only (Randall, 2005, p. 601)

Siganus punctatissimus Fowler and Bean, 1929

Nair, 2003, p. 59; Fishbase 2009, p. 17

Siganus punctatus (Bloch and Schneider, 1801)

Günther, 1861, p. 320 (as *Teuthis hexagonata*); Carpenter and Niem, 2001 (vol. 6) p. 3642; Earle, 2004, p. 6

Siganus randalli Woodland, 1990

Blaber *et al.*, 1993b, p. 110

Siganus rostratus (Valenciennes in Cuvier and Valenciennes, 1835).

James Teri, 2004, pers comm.

Siganus spinus (Linnaeus, 1758)

Schmeltz, 1869, p. 20 (as *Teuthis striolata*); Carpenter and Niem, 2001 (vol. 6) p. 3645

Siganus stellatus (Forsskål, 1775)

Jones and Kumaran, 1980, p. 545

Siganus (Lo) uspi Gawel and Woodland, 1974

Gawel and Woodland, 1974, p. 859; Carpenter and Niem, 2001 (vol. 6) p. 3650. Possibly endemic except for a sighting in New Caledonia but Debelius and Baensch (1994) say it is found in the Central Pacific. Allen *et al.*, 2003, say known only from Fiji and New Caledonia; Earle, 2004, p. 6; Randall, 2005, p. 602

Siganus vermiculatus (Valenciennes, 1835)

Schmeltz, 1869, p. 300 (as *Teuthis vermiculata*); Carpenter and Niem, 2001 (vol. 6) p. 3646; Allen *et al.*, 2003, p. 58; Randall, 2005, p. 603

Siganus virgatus (Valenciennes, 1835)

Blaber *et al.*, 1993b, p. 110

Siganus vulpinus (Schlegel and Müller, 1845)

UVC, 1995, Appendix 5.3; Greenberg, 1985, p. 1

Siganus woodlandi Randall & Kulbicki, 2005

Randall & Kulbicki, 2005, p. 189; Fishbase 2009, p. 17

Harpadontidae (Synodontidae) (Lizardfish)

Saurida gracilis (Quoy and Gaimard, 1824)

Günther, 1873 - 1910, 8, p. 376; Nimmerfroh, 2006, p. 35

Saurida nebulosus Valenciennes in Cuvier and Valenciennes, 1849

Ryan, 2000, p. 140 (un-named but a picture of the fish is shown)

Saurida tumbil (Bloch, 1795)

Fischer and Whitehead, 1974, Vol. IV; Carpenter, K. E. and Niem, V. H. 1999a, p. 1940;

Saurida undosquamis (Richardson, 1848)

Fischer and Whitehead, 1974, Vol. IV; Randall, 2005, p. 63. Deepsea fish specimen (Randy Thaman) Fiji Fish. Early Feb 2008.

Synodus binotatus Schlutz, 1953

Carlson, 1975, p. 8

Synodus dermatogenys Fowler, 1912

Royal Ontario Museum (Great Astrolabe Reef Collection); Carpenter, K. E. and Niem, V. H. 1999a, p. 1941

Synodus jaculum Russell and Cressey, 1979

Royal Ontario Museum (Great Astrolabe Reef Collection)

Synodus pyleri Randall, 2009

Randall, 2009, pp. 402, 403, 412, 413,

Synodus rubromarmoratus Russell and Cressey, 1979

Randall, 2005, p. 64

Synodus variegatus (Lacépède, 1803)

Günther, 1873 - 1910, 8, p. 375 (as *Saurus varius*); Schmeltz, 1879, p. 57 (as *Saurus varius*); Fowler, 1940 (p. 755) (as *Synodus japonicus* Houttuyn, 1782); Carlson, 1975, p. 9 (as *Synodus englemani* Schultz, 1953); Nimmerfroh, 2006, p. 35

Trachinocephalus myops (Forster in Bloch and Schneider, 1801)

Günther, 1873 - 1910, 8, p. 375

Diodontidae (Porcupinefishes)

Chilomycterus orbicularis (Bloch, 1785)

Thurston, 1881, p. 22. An unsubstantiated record for Fiji.; Carpenter and Niem, 2001, (vol. 6), p. 3962 (?); A Balawa and family ate one of these on 25th April, 2009 at Muanivuso Village, near Suva.

Diodon holocanthus Linnaeus, 1758

Fowler, 1959, p. 620

Diodon hystrix Linnaeus, 1758

Schmeltz, 1869, p. 27 (as *Diodon (Paradiodon) hystrix*); Carpenter and Niem, 2001, (vol. 6), p. 3964

Diodon liturosus Shaw, 1804

Sighted by Nick Dulvy, 1999, in Southern Lau.; Ryan, 2000, p. 151; Carpenter and Niem, 2001, (vol. 6), p. 3964; Boseto, 2005, p. 198

Monacanthidae (Filefishes)

Acreichthys tomentosus (Linnaeus, 1758)

Schmeltz, 1869, p. 28 (as *Monacanthus tomentosus*); Carpenter and Niem, 2001, (vol. 6), p. 3936; Allen *et al.*, 2003, p. 414; Randall, 2005, p. 632

Aluterus monoceros (Linnaeus, 1758)

Lewis (n.d.) Fisheries photo; Carpenter and Niem, 2001, (vol. 6), p. 3936

Aluterus scriptus (Osbeck, 1757-1765)

Garman, 1903, p. 240 (as *A. armata*); Carpenter and Niem, 2001, (vol. 6), p. 3936; Earle, 2004, p. 7; Nimmerfroeh, 2006, p. 241 (as *Alutera Scriptus*)

Amanses scopas (Cuvier, 1829)

Boulenger, 1897, p. 374 (as *Monacanthus scopas*); Carpenter and Niem, 2001, (vol. 6), p. 3937

Cantherines dumerilii (Hollard, 1854)

Seale, 1935, p. 376 (as *C. howensis*); Carpenter and Niem, 2001, (vol. 6), p. 3938; Earle, 2004, p. 7

Cantherines pardalis (Rüppell, 1835-1837)

Schmeltz, 1879, p. 62 (as *Monacanthus pardalis* var. *rüppellii*); Carpenter and Niem, 2001, (vol. 6), p. 3939

Oxymonacanthus longirostris (Bloch and Schneider, 1801)

Günther, 1870, 8, p. 233 (as *Monacanthus longirostris*); Carpenter and Niem, 2001, (vol. 6), p. 3941; Nimmerfroeh, 2006, p. 32

Paraluteres prionurus (Bleeker, 1851)

Carlson, 1975, p. 75; Randall, 2005, p. 635

Paramonacanthus choirocephalus (Bleeker, 1852)

Nimmerfroeh, 2006, p. 32

Paramonacanthus curtiorhynchus (Bleeker, 1855)

McGrouter, 1997, p. 6 (as *Monacanthus japonicus* Tilesius, 1801); Nair, 2003, p. 55 (as *Monacanthus japonicus* Tilesius, 1801); Randall, 2005, p. 636

Paramonacanthus japonicus (Tilesius, 1809)

Fishbase 2009, p. 13

Pervagor janthinosoma (Bleeker, 1854)

Hutchins, 1986, p. 22; Randall, 2005, p. 637

Pervagor melanocephalus (Bleeker, 1853)

Boulenger, 1897, p. 374 (as *Monacanthus melanocephalus*); Carpenter and Niem, 2001, (vol. 6), p. 3944; Allen *et al.*, 2003, p. 412; Randall, 2005, p. 637

Pseudoaluterus nasicornis (Temminck and Schlegel, 1850)

USP Fish Collection specimen #4371

Thamnaconus fijiensis Hutchins and Matsuura, 1984

Hutchins and Matsuura, 1984, p. 387

Unidentified filefish at Fisheries. Exploratory trawl fishing in Lau Basin. Dec 1997. Identification remains to be confirmed following consultation with Dr Barry Hutchins.

Ostraciidae (Cowfishes)

Lactoria cornuta (Linnaeus, 1758)

Günther, 1870, 8, p. 265 (as *Ostracion cornutus*); Carpenter and Niem, 2001, (vol. 6), p. 3950

Lactoria diaphana (Bloch and Schneider, 1801)

Carpenter and Niem, 2001, (vol. 6), p. 3950

Ostracion cubicus Linnaeus, 1758

Günther, 1880, p. 36; Lewis (n.d.). Fisheries photo (as *Ostracion tuberculatus*); McGrouter, 1997, p. 7 (as *O. lentiginosum*); Carpenter and Niem, 2001, (vol. 6), p. 3950; Earle, 2004, p. 7

Ostracion meleagris meleagris Shaw, 1796

Schmeltz, 1867, p. 27; Earle, 2004, p. 7

Ostracion solorensis Bleeker, 1853

Randall, 2005, p. 641 (rare); Nimmerfroeh, 2006, p. 66

Rhynchostracion nasus (Bloch, 1785)

Kendall and Goldsborough, 1911, p. 334 (as *Ostracion nasus*)

Tetrosomus gibbosus (Linnaeus, 1758)

UVC, 1995, Appendix 5.3.

Tricanthodidae

Paratriacanthodes retrospinis Fowler, 1934

Raj and Seeto, 1984 (as *Paratriacanthodes* n sp.). Extensive correspondence with J C Tyler has finally resolved that this is not new.

Triodontidae (Three-toothed puffer)

Triodon macropterus Lesson, 1829

Carlson, 1975, p. 93 (as *T. bursarius*)

Tetraodontidae (Pufferfishes)

Amblyrhynchotes cutaneous (Günther, 1871)

Raj and Seeto, 1984

Arothron hispidus (Linnaeus, 1758)

Jordan and Dickerson, 1908, p. 616 (as *Tetrodon hispidus*)

**Arothron immaculatus* (Bloch and Schneider, 1801)

Jordan and Seale, 1906, p. 370; Williams, 1997, p. 3; Boseto, 2005, p. 199. According to Randall (1985) *A. immaculatus* is not found in Fiji. Pacific records of this species probably refer to *A. manilensis*.

Arothron manilensis (De Procé, 1822)

Schmeltz, 1874, p. 40 (as *Arothron immaculatus* non Schneider); Randall, 2005, p. 645

Arothron mappa (Lesson, 1826-27)

Lewis (n.d.) Fisheries photo; www.fiji.pictures-pacific.com; Earle, 2004, p. 7; Nimmerfroh, 2006, p. 58

Arothron meleagris (Lacepède, 1798)
Williams, 1997, p. 3

Arothron nigropunctatus (Bloch and Schneider, 1801)
Günther, 1870, p. 293 (as *Tetrodon nigropunctatus* var. *citrinella*);
Earle, 2004, p. 7; Nimmerfroh, 2006, pp. 56, 60, 61

Arothron reticularis (Bloch and Schneider, 1785)
Fowler, 1934, p. 449; Allen *et al.*, 2003, p. 414; Boseto, 2005, p. 199

Arothron stellatus (Bloch and Schneider, 1801)
Günther, 1870, 8, p. 294 (as *Tetrodon stellatus*)

Canthigaster amboinensis (Bleeker, 1865)
Fowler, 1928, p. 465

Canthigaster bennetti (Bleeker, 1854)
Schmeltz, 1879, p. 63 (as *Tetraodon bennetti*)

Canthigaster compressa (Procé, 1822)
Fowler, 1928, p. 466. (as *S. striolatus*). May be a doubtful Fijian record (see: Allen and Randall, 1977, p. 484) but Myers, 1991, p. 267 says 'possibly to Fiji'.

Canthigaster coronata (Valliant and Sauvage, 1875)
Sighted by Nick Dulvy, 1999, in Southern Lau.

Canthigaster epilampra (Jenkins, 1903)
James Teri, pers comm, 2004

Canthigaster janthinoptera (Bleeker, 1855)
Carlson, 1975, p. 78

Canthigaster leoparda Lubbock and Allen, 1979
Williams, 1997, p. 4

**Canthigaster margaritata* (Rüppell, 1828)
Schmeltz, 1869, p. 27 (as *Canthogaster margaritatus* var. *striolatus*);
Schmeltz, 1879, p. 63 (as *Tetrodon papua* var. *striolata*); Fowler,
1928, p. 466. A Red Sea species according to Allen and Randall,
(1977). Pacific records may refer to *C. solandri*. Myers, 1991 (p.
268) says this is a Red Sea species.

Canthigaster ocellinicta Allen and Randall, 1977
Allen and Randall, 1977, p. 485; Randall, 2005, p. 650

Canthigaster solandri (Richardson, 1844)
Schmeltz, 1874, p. 40 (as *Tetrodon (Anosmius) papua* var. *striolatus*);
Boulenger, 1897, p. 374 (as *Tetraodon papua*)

Canthigaster valentini (Bleeker, 1853)
Boulenger, 1897, p. 374 (as *Tetrodon valentini*)

Lagocephalus lagocephalus (Linnaeus, 1758)

Borodin, 1932, p. 98 (as *Tetrodon inermis*)

Lagocephalus lunaris (Bloch and Schneider, 1801)
Seale, 1935, p. 377; Boseto, 2005, p. 199

Lagocephalus sceleratus (Forster, 1788-89)
Borodin, 1932, p. 99; Randall, 2005, p. 647

Lagocephalus spadiceus (Richardson, 1845)
Blaber *et al.*, 1993b, p. 110; Milton, Rawlinson and Sesewa, 1993, p.96

Torquigener hypselogeneion (Bleeker, 1852)
Günther, 1870, 8, p. 277 (as *Tetrodon hypselogenion*)

Zanclidae (Moorish Idol)

Zanclus cornutus (Linnaeus, 1758)
Schmeltz, 1869, p. 18; Carpenter and Niem, 2001 (vol. 6) p. 3653;
Earle, 2004, p. 6. *Zanclus canescens* is a synonym.

V. EELS

Anguillidae (Freshwater Eels)

Anguilla australis schmidtii Phillips, 1925
Whitley, 1927a, p. 4; Nair, 2003, p. 64 (as *Anguilla australia australis*).
Carpenter, K. E. and Niem, V. H. 1999a p. 1633 doubts they are found here.

Anguilla australis Richardson, 1841
Schmeltz, 1869, p. 26 (as *Muraena halmaherensis*)

Anguilla bicolor pacifica Schmidt, 1828
Ege, 1939, p. 151

Anguilla dieffenbachi Gray, 1842
Williams, 1997, p. 2

**Anguilla manillensis* (Bleeker, 1865)
Schmeltz, 1869, p. 26 (as *Muraena manillensis*). Wrong distribution
area. A doubtful record for Fiji.

Anguilla marmorata Quoy and Gaimard, 1824
Günther, 1870, 8, p. 26 (as *A. fidjiensis*); Carpenter, K. E. and Niem,
V. H. 1999a, p. 1635

**Anguilla mauritania* Bennett, 1831
Schmeltz, 1879, p. 59 (as *Anguilla fidjiensis*)

Anguilla megastoma Kaup, 1856
Anon., 1979, p. 95; Carpenter, K. E. and Niem, V. H. 1999a, p. 1636

Anguilla obscura Günther, 1871 (type locality) 1872?
Günther, 1871, p. 673; Carpenter, K. E. and Niem, V. H. 1999a, p. 1636

Anguilla sp.
Beumer, 1985, p.; McGrouter, 1997, p. 1

Chlopsidae (False Moray Eels). Xenocongridae is sometimes used.

Boehlkenchelys longidentata Tighe, 1992.

Fishbase (2002), p. 1

Chlopsis bidentatus Tighe & McCosker, 2003.

Nair, 2003, p. 64; Fishbase 2009, p. 5

Chlopsis slusserorum Tighe & McCosker, 2003

Nair, 2003, p. 64; Fishbase 2009, p. 5

Kaupichthys atronasmus Schultz, 1953

Carlson, 1975, p. 8

Kaupichthys brachychirus Schultz, 1953

Royal Ontario Museum (Great Astrolabe Reef Collection)

**Kaupichthys hyoproroides* (Strömman, 1896)

Zug *et al.*, 1988, p. 15; Royal Ontario Museum (Great Astrolabe Reef Collection); Greenfield list, November 2001. Randall *et al.* 1997 say this is a Western Atlantic species. The species found in the Indo-Pacific is *K. diodontus* Schultz, 1943.

**Kaupichthys* sp. A & B.

Zug *et al.*, 1988, p. 15

**Kaupichthys* sp

McGrouter, 1997, p. 6

Xenoconger fryeri Regan, 1912 (sometimes in Xenocongridae)

Greenfield list, November 2001; Fishbase 2009, p. 19

Congridae (Conger Eels)

Anago anago (Temminck and Schlegel, 1846)

Borodin, 1932, p. 71

Ariosoma howensis (McCulloch and Waite, 1916)

Fishbase 2009, p. 2

Ariosoma guttulata (Günther, 1887)

Günther, 1887, p. 252 (type locality: Matuku) (as *Conger guttulata*)

Also known as *Rhechias guttulata* or *Bathycongrus guttulatus*.

Ariosoma scheelei (Strömman, 1896)

Ogilby, 1898, p. 290 (as *Congrellus fijiensis* Ogilby, 1896)

**Ariosoma* sp

Williams, 1997, p. 3

Bathycongrus parapolyporus Karmovskaya, 2009

Fishbase 2009, p. 3

Bathycongrus trimaculatus Karmovskaya & Smith, 2008

Fishbase 2009, p. 3

Blachea longicaudalis Karmovskaya, 2004

Fishbase 2009, p. 3

Coloconger raniceps Alcock, 1889

Raj and Seeto, 1984 (used to be included under Colocongridae)

Conger cinereus Rüppell, 1830

Schmeltz, 1869, p. 29 (as *Conger nordziekii* Bleeker, 1857); Carpenter, K. E. and Niem, V. H. 1999a, p. 1687

**Conger conger* Linnaeus, 1758

Thurston, 1881, p. 21. (as *Anguilla vulgaris* Gistel, 1848 or Yarrell, 1832) This species is not known from Fiji.

Conger fijiensis Ogilby, 1898

Ogilby, 1898, p. 290 (type locality). See *Ariosoma scheelei*. (above)

Conger japonicus Bleeker, 1879

Hayasaka *et al.*, 1984, p. 81; Raj and Seeto, 1984, (no page number)

**Conger orbignyanus* Valenciennes, 1842

Whitley, 1927a, p. 4 (as *C. multidentis* Castelnau, 1855). An Atlantic species erroneously listed from Fiji.

Conger verreauxi Kaup, 1856

Raj and Seeto, 1984

Congriscus maldivensis (Norman, 1939).

Fishbase 2009, p. 6

Gorgasia preclara (Bohlke and Randall, 1981)

Fishbase (2002), p. 1; Allen *et al.*, 2003, p. 446

Gorgasia thamani Greenfield and Niesz, 2004

Greenfield and Niesz, 2004, p. 373; Fishbase 2009, p. 9; <http://intreasures.com/fijimf.html> (as endemic)

**Gnathophis nystromi ginanago* (Asano, 1958)

JICA, 1987, p. 111 (Volume 2). Fiji or Tuvalu. Possibly wrongly identified.

Heteroconger hassi Klausewitz and Eibl-Eibeseldt, 1959

Carlson, 1975, p. 8

Heteroconger polyzona (Bleeker, 1869)

Allen *et al.*, 2003, p. 447

Heteroconger tomberua Castle and Randall, 1999

Castle and Randall, 1999, p. 24; <http://intreasures.com/fijimf.html> (as endemic)

**Heteroconger* spp.

Williams, 1997, p. 10

Parabathymyrus fijiensis Karmovskaya, 2004

Fishbase 2009, p. 13

Uroconger lepturus Richardson, 1845

Williams, 1997, p. 3; McGrouter, 1997, p. 10

Moringuidae (Worm Eels)

Moringua abbreviata Bleeker, 1863

Günther, 1873-1910, 9, p. 406; Boseto, 2005, p. 199. Same as *Moringua microchir* (below).

Moringua bicolor (Kaup, 1856)

Schmeltz, 1879, p. 59 (as *Ophichthys bicolor*)

Moringua ferruginea (Bliss, 1883)

Günther, 1873 - 1910, 9, p. 407 (as *M. macrocephala*)

Moringua fijiensis (Seale, 1934)

Seale, 1935, p. 342 (as *Bascanichthys fijiensis* (Seale, 1935)); Carcasson, 1977, p. 54 (as *Caecula fijiensis*). Endemic?

Moringua javanica (Kaup, 1856)

Günther, 1859 - 1870, 8, p. 92

Moringua linearis Gray, 1831

Fowler, 1959, p. 67

Moringua lumbricoides (Richardson, 1845) or Gray, 1856 (former likely)

Whitley, 1927a, p. 4

Moringua macrocephalus (Bleeker, 1863)

Fowler, 1928, p. ; Boseto, 2005, p. 198

Moringua (Caecula) macrodon Bleeker, 1863

Carcasson, 1977, p. 53 (as *Caecula macrodon*). Also reported from Fiji as *Yirrkala macrodon* (Bleeker, 1863) by Günther, 1873 - 1910, 9, p. 402

Moringua microchir Bleeker, 1853

Günther, 1873-1910, 9, p. 405 (see *Moringua abbreviata* Bleeker, 1863). Schmeltz, 1879, p. 59 (as *Aphthalmichthys microchir*)

Moringua pusillus (Seale, 1917)

Carcasson, 1977, p. 54 (as *Caecula pusillus*)

Also reported from Fiji as *Bascanichthys pusillus* Seale, 1917 by Seale, 1917, p. 81. Endemic.

**Moringua* sp.

McGrouter, 1997, p. 6

Neoconger tuberculatus (Castle, 1965)

Rewa River Floodgate, collected by J. Seeto in 1985. Previously only known from a leptocephalus from NSW. Being described by John McCosker. Another specimen caught by David Boseto. Boseto, 2005, p. 199. This is very rare because the larval stage has been described from Australia but we have specimens of adults.

Muraenidae (Moray Eels)

Anarchias allardicei Jordan and Starcks, 1906

Williams, 1997, p. 2

Anarchias cantonensis (Schultz, 1943)

Williams, 1997, p. 2

Anarchias leucurus (Snyder, 1904)

Carlson, 1975, p. 4

Anarchias seychellensis (Smith, 1962)

Royal Ontario Museum (Great Astrolabe Reef Collection); Williams, 1997, p. 2

Channomuraena vittata (Richardson, 1845)

Nimmerfroth, 2006, p. 239

Echidna delicatula Kaup, 1856

Williams, 1997, p. 7

Echidna leucotaenia Schultz, 1943

Williams, 1997, p. 7

Echidna nebulosa (Ahl, 1789)

Günther, 1859 - 1870, 8, p. 130

Echidna polyzona (Richardson, 1845)

Carlson, 1975, p. 85

Echidna sp.

Royal Ontario Museum (Great Astrolabe Reef Collection)

Echidna unicolor Schultz, 1953

Greenfield list, November 2001

Enchelycore bayeri (Schultz, 1953)

Carlson, 1975, p. 5

Enchelycore pardalis Temminck and Schlegel, 1846

McGrouter, 1997, p. 4. Also known as *Muraena pardalis*.

Enchelycore schismatorhynchus (Bleeker, 1853)

Carlson, 1975, p. 6

Enchelynassa canina Quoy and Gaimard, 1824

Boseto (21/10/03)

Evenchelys macrurus (Bleeker, 1854)

Fowler, 1928, p. 51

Gymnomuraena zebra (Shaw, 1797)

Schmeltz, 1879, p. 60 (as *Muraena zebra*)

Gymnothorax berndti Snyder, 1904

Lewis (n.d.) Fisheries photo. Deepsea specimens caught by IMR

- 1983 in deepwater trap (called *G. richardsoni*). Deepsea specimen (Randy Thaman early Feb 2008). Fiji Fish specimen. species from Fiji.
- Gymnothorax buroensis* (Bleeker, 1857)
Carlson, 1975, p. 5
Gymnothorax phasmatodes Smith, 1962
Williams, 1997, p. 9
- Gymnothorax chilospilus* Bleeker, 1865
Royal Ontario Museum (Great Astrolabe Reef Collection); Williams, 1997, p. 9
Gymnothorax pinidae Smith, 1962
Royal Ontario Museum (Great Astrolabe Reef Collection); Williams, 1997, p. 9 (as *G. moluccensis* Bleeker, 1865)
- Gymnothorax enigmaticus* McCosker and Randall, 1982
Royal Ontario Museum (Great Astrolabe Reef Collection)
Gymnothorax polyuranodon (Bleeker, 1853)
Schmeltz, 1879, p. 60 (as *Muraena polyuranodon*); Günther, 1880, p. 36; Boseto, 2005, p. 199
- Gymnothorax eurostus* (Abbott, 1861) or *Thyrsoidea eurosta*
Royal Ontario Museum (Great Astrolabe Reef Collection)
Gymnothorax pseudothyrsoides (Bleeker, 1852)
Amesbury and Myers, 1982, p. 23 (*Gymnothorax* sp.)
The authors say this was mis-identified as *Gymnothorax thysoideus* (a similar but distinct species from SE Asia).
- Gymnothorax favagineus* Bloch and Schneider, 1801
Whitley, 1927, p. 4 (as *Gymnothorax favaginea*); Boseto, 2005, p. 199
Gymnothorax richardsoni (Bleeker, 1852)
Günther, 1873 - 1910, 9, p. 414
- Gymnothorax fimbriatus* (Bennett, 1832)
Boulenger, 1897, p. 374
Gymnothorax robinsi Böhlke, 1997
Böhlke, 1997, p. 648
- Gymnothorax flavimarginatus* (Rüppell, 1830)
Seale, 1935, p. 343 (juvenile); Earle, 2004, p. 1
Gymnothorax fuscomaculatus (Schultz, 1953)
Carlson, 1975, p. 7
Gymnothorax rueppelliae (McClelland, 1844)
Schmeltz, 1879, p. 60 (as *Muraena reticularis*); Boulenger, 1897, p. 374 (as *Muraena Petelli*)
- Gymnothorax gracilicaudus* Jenkins, 1903
Carlson, 1975, p. 5
Gymnothorax sp. Refers to more than 1 species)
Royal Ontario Museum (Great Astrolabe Reef Collection); McGrouther, 1997, p. 5; Nimmerfroth, 2006, p. 231
- Gymnothorax intesti* Fourmanoir and Rivaton, 1979
Fourmanoir, 1982, p. 95 (as *Lycodontis intesti*). Deep sea specimen from Fiji that John McCosker thought was new.
Gymnothorax tile (Harrison, 1922)
<http://www.wetwebmedia.com/FWSUBWebIndex/fwmorayeels.htm>
- Gymnothorax javanicus* (Bleeker, 1859)
Carlson, 1975, p. 5; Earle, 2004, p.1
Gymnothorax undulatus (Lacepède, 1803).
Schmeltz, 1879, p. 60 (as *Muraena undulata*); Boulenger, 1897, p. 374; Boseto, 2005, p. 199 (as *G. undulata*)
- Gymnothorax margaritophorus* Bleeker, 1865
Carlson, 1975, p. 6
Gymnothorax zoniptectis Seale, 1906
Günther, 1873-1910, 9, p. 415
- Gymnothorax melatremus* Schultz, 1953
Williams, 1997, p. 9
Monopenchelys acuta (Parr, 1930)
Williams, 1997, p. 12; Randall, 2005, p. 49
- Gymnothorax meleagris* (Shaw and Nodder, 1795)
Günther, 1859 - 1870, 8, p. 100; Earle, 2004, p.1
Pseudechidna brummeri (Bleeker, 1858-59)
Seale, 1935, p. 343 (as *Strophidon brummeri*); Allen *et al.*, 2003, p. 441
- Gymnothorax monochrous* Bleeker, 1856
Williams, 1997, p. 9
Rhinomuraena quaesita Garman, 1888
Carlson, 1975, p. 7
- Gymnothorax neglectus* Tanaka, 1911
JICA, 1987, p. 111 (Volume 2). Fiji or Tuvalu. Possibly wrongly identified.
Siderea picta (Ahl, 1789)
Günther, 1859-1870, 8, p. 116; Greenfield list, November 2001 (as *Gymnothorax pictus*); Boseto, 2005, p. 199 (as *G. pictus*)
- Gymnothorax pardalis* Temminck and Schlegel, 1864
Fowler, 1959, p. 79 (as *Muraena pardalis*). Mistakenly, listed this

- Siderea thyrsoides* (Richardson, 1845)
Günther, 1873 - 1910, 9, p. 419 (as *Gymnothorax thyrsoides*)
- Strophidon sathete* (Hamilton-Buchanan, 1822)
Myers and Shepard, 1980, p. 314 (as *Thyrsoidea macrura*); Allen *et al.*, 2003, p. 442
- Uropterygius concolor* Rüppell, 1828
Günther, 1873-1910, 9, p. 426; Boseto, 2005, p. 199
- Uropterygius fijiensis* Fowler and Bean, 1923
Fowler and Bean, 1923, p. 13
- Uropterygius inornatus* Gosline, 1958
Royal Ontario Museum (Great Astrolabe Reef Collection)
- Uropterygius macrocephalus* (Bleeker, 1865)
Zug *et al.*, 1988, p. 12
- Uropterygius marmoratus* (Lacépède, 1803)
Boulenger, 1897, p. 374
- Uropterygius micropterus* (Bleeker, 1852)
Boseto, D. 2006 *pers comm.*
- Uropterygius supraornatus* (Regan, 1909)
Royal Ontario Museum (Great Astrolabe Reef Collection)
- Uropterygius xanthopterus* Bleeker, 1859
Royal Ontario Museum (Great Astrolabe Reef Collection)
- Muraenesocidae (Pike Eels)**
- Muraenesox bagio* (Hamilton-Buchanan, 1822)
Jordan and Dickerson, 1908, p. 604 (as *M. cinereus* non Forsskål); Carpenter, K. E. and Niem, V. H. 1999a, p. 1676
- Muraenesox cinereus* Forsskål, 1775
Fowler, 1940 (p. 752) (as *Muraenesox arabicus* Bloch and Schneider, 1801); Boseto, 2005, p. 199
- Ophichthidae (Snake Eels)**
- Apterichtus klazingai* (Weber, 1913)
Royal Ontario Museum (Great Astrolabe Reef Collection)
- Bascanichthys filaria* (Günther, 1872)
Schmeltz, 1881, p. 8 (as *Ophichthys filaria*); Fowler, 1931, p. 316 (as *Callechelys filaria*). Aka *Callechelys filaria* (Günther, 1872)
- Bascanichthys longipinnis* (Kner and Steindachner, 1867)
Herre, 1936, p. 39 (as *Callechelys longipinne*)
- Brachysomophis crocodilinus* (Bennett, 1833)
Pöhl, 1884, p. 40 (*Achirophichthys typus* Bleeker, 1864); McCosker and Randall, 2001, p. 16
- Callechelys catostomus* (Forster in Bloch and Schneider, 1801)
Carlson, 1975, p. 7 (as *Callechelys melanotaenia* Bleeker, 1864)
- Callechelys marmorata* (Bleeker, 1853)
Zug *et al.*, 1988, p. 12
- Lamnostoma bicolor* Kaup, 1856
Boseto, 2005, p. 199;
- Lamnostoma kampeni* (Weber and de Beaufort, 1916)
Jenkins, 2003; Boseto, 2005, p. 198
- Lamnostoma polyphthalmus* (Bleeker, 1853)
Günther, 1873-1910, 9, p. 403 (as *Ophichthus punctulatus* Swainson, 1839)
- Leiuranus phoenixensis* Schultz, 1943
Williams, 1997, p. 11
- Leiuranus semicinctus* (Lay and Bennet, 1839)
Günther, 1859-1870, 8, p. 54
- Muraenichthys gymnopterus* (Bleeker, 1853)
Günther, 1873-1910, 9, p. 396
- Muraenichthys gymnotus* Bleeker, 1857
Williams, 1997, p. 12
- Muraenichthys hattae* Jordan and Snyder, 1901
Williams, 1997, p. 12
- Muraenichthys laticaudata* (Ogilby, 1897)
Ogilby, 1897, p. 247 (as *Myropterura laticauda*)
- Muraenichthys macropterus* Bleeker, 1857
Seale, 1935, p. 341
- Muraenichthys macrostomus* (Bleeker, 1865)
Seale, 1935, p. 341
- Muraenichthys schultzei* Bleeker, 1857
Williams, 1997, p. 12
- Muraenichthys sibogae* Weber and de Beaufort, 1916
Williams, 1997, p. 12
- **Muraenichthys* sp.
Royal Ontario Museum (Great Astrolabe Reef Collection)
- Muraenichthys thompsoni* Jordan and Richardson, 1908
Williams, 1997, p. 12
- Muraenichthys vermiformis* Peters, 1866
Williams, 1997, p. 12
- Myrichthys colubrinus* (Boddaert, 1781)
Schmeltz, 1874, p. 37 (as *Ophichthys colubrinus*)

Myrichthys maculosus (Cuvier, 1816)
Fowler, 1928, p. 43

Myrophis sp

Williams, 1997, p. 12. Possibly a *Myrophis uropterus* (Temminck and Schlegel, 1842).

Ophichthus brachynotopterus Karre, 1982
J. Seeto pers. comm.

Ophichthus cephalozona (Bleeker, 1864)
Günther, 1873-1910, 9, p. 398. Randall, 2005, p. 33

Ophichthus exourus McCosker, 1999
Fishbase (2002), p. 1; Nair, 2003, p. 64

Ophichthus kunaloo McCosker, 1979
Raj and Seeto, 1984
Pisodonophis boro (Hamilton-Buchanan, 1822)
Fowler, 1929, p. 1

Pisodonophis cancrivorus (Richardson, 1848)
Schmeltz, 1879, p. 59 (as *Ophichthus cancrivorus*); Boseto, 2005, p. 199

Schismorhynchus labialis (Seale, 1917)
Williams, 1997, p. 16

Schultzidia johnstonianus (Schultz and Woods, 1949)
Royal Ontario Museum (Great Astrolabe Reef Collection)

Yirrkala gjellerupi (Weber and de Beaufort, 1916)
Jenkins, 2003, Boseto, 2005, p. 198, McCosker, Boseto and Jenkins, 2007 p. 141

**Xirrkala* sp.
McGrouter, 1997, p. 10

Yirrkala lumbricoides (Bleeker, 1853)
Seale, 1935, p. 342 (as *Sphagebranchus lumbricoides*); Boseto, 2005, p. 199 .

Synaphobranchidae (Cut-throat Eels)

Synaphobranchus affinis Günther, 1877
Raj and Seeto, 1984

Synaphobranchus brevidorsalis Günther, 1887
Raj and Seeto, 1984

Thermobiotes mytilogeiton Gestdoerfer, 1991
Desbryères and Segonzac, 1997, p. 229 (Lau Basin)

IV. FIJI'S ENDEMIC FISHES

There are 33 endemic marine fishes (the first 33 species listed) and eight freshwater species (the last eight species listed) from

Fiji. *Meicanthus bundoon* and *Neoglyphidodon carlsoni* (Allen, 1975) were once thought to be endemic to Fiji but have since been found in Tonga.

Brotula flaviviridis (Ophidiidae) - <http://intreasures.com/fijimf.html>
Bryaninops diannaea - a goby living on seawhips
Cirrhilabrus majorie Allen, Randall & Carlson, 2003 wrasse
Dermatopsis greenfieldi - from the Fishbase data. <http://intreasures.com/fijimf.html>

Diancistrus fijiensis (Bythitidae) - <http://intreasures.com/fijimf.html>
Diancistrus robustus (Bythitidae) - <http://intreasures.com/fijimf.html>
Discotrema zonatum - <http://intreasures.com/fijimf.html>

Ecsenius fijiensis - the Fiji blenny

Ecsenius pardus - a blenny

Eschmeyer nexus (Scorpaenidae)

Gorgasia thamani – a garden eel

Heteroconger tomberua (Congridae) - <http://Intreasures.com/fijimf.html>

Meiacanthus oualenensis (Günther, 1880)

Mesopristes kneri 'reve' (Teraponidae)

Microbrotula greenfieldi (Bythitidae) - <http://intreasures.com/fijimf.html>

Moringua (Bascanichthys) fijiensis (Seale, 1934) - an eel

Moringua (Bascanichthys) pusillus (Seale, 1917) - an eel

Paracheilinus rubricaudalis - <http://intreasures.com/fijimf.html>

Parioglossus triquetrus Rennis and Hoese, 1985

Parmops echinatus - a flashlight fish

Petroscirtes pylei (Blenniidae) - Twilight Fangblenny <http://intreasures.com/fijimf.html>

Plagiotremus laudandus flavus - an endemic blenny subspecies

Plesiops polydactylus - <http://intreasures.com/fijimf.html>

Pomacentrus microspilus - <http://intreasures.com/fijimf.html>

Pseudanthias flavicauda (Serranidae) - <http://intreasures.com/fijimf.html>

Rotuma lewisi - an endemic to Rotuma

Siganus uspi - USP rabbitfish

Synchiropus springeri (Callionymidae) - <http://intreasures.com/fijimf.html>

Thamnaconus fijiensis - a filefish.

Trimma anthrena (Winterbotton, 2005) - Royal Ontario Museum (Great Astrolabe Reef Collection). Probably endemic.

Trysogobius nigrolineatus - <http://intreasures.com/fijimf.html>

Vanderhorstia bella (Gobiidae) - <http://intreasures.com/fijimf.html>

Zoramia flebila - <http://intreasures.com/fijimf.html>

Lairdina hopletupus Fowler, 1953. - Endemic freshwater genus.

Lentipes bellameyae n sp – according to Jenkins & Boseto, this is a new freshwater species

Redigobius leveri (Fowler, 1943) - a freshwater species

Redigobius n. sp being described by Helen Larson. - a freshwater species

Schismatogobius chrysonotus - Jenkins and Boseto, 2003 – freshwater species

Schismatogobius vitiensis Jenkins and Boseto 2005 – freshwater species

Sicyopus merielae Jenkins 2003 An endemic freshwater fish

Sicyopterus sp (n sp.) - Boseto pers. comm. A freshwater species

V. RARE FIJI FISH

While some Fiji fishes are not endemic, they are rare because of over-exploitation (Group A) or just are naturally rare (Group B). The latter situation may arise because we have not found their true habitat. However, we do not have any real data to really prove the case of over-exploitation, so this list is small.

Group A.

Cheilinus undulatus – over-exploitation.

Group B.

Neoconger tuberculatus (Castle, 1965). Very rare in the World. See note about this species in its listing above. Some deep sea fish are included here too.

VI. DISCUSSION

The bibliography contains all the publications that refer to Fijian fishes and some of these are not referred to in the text because this publication initially referred to first records only. Subsequent evolution of the manuscript changed this format and many non-cited Fiji fish references were put into the publication.

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Suva Fish Market - PSkelton

VIII. BIBLIOGRAPHY

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Belobranchus belobranchus (Valenciennes 1837)
image: Gerry Allan

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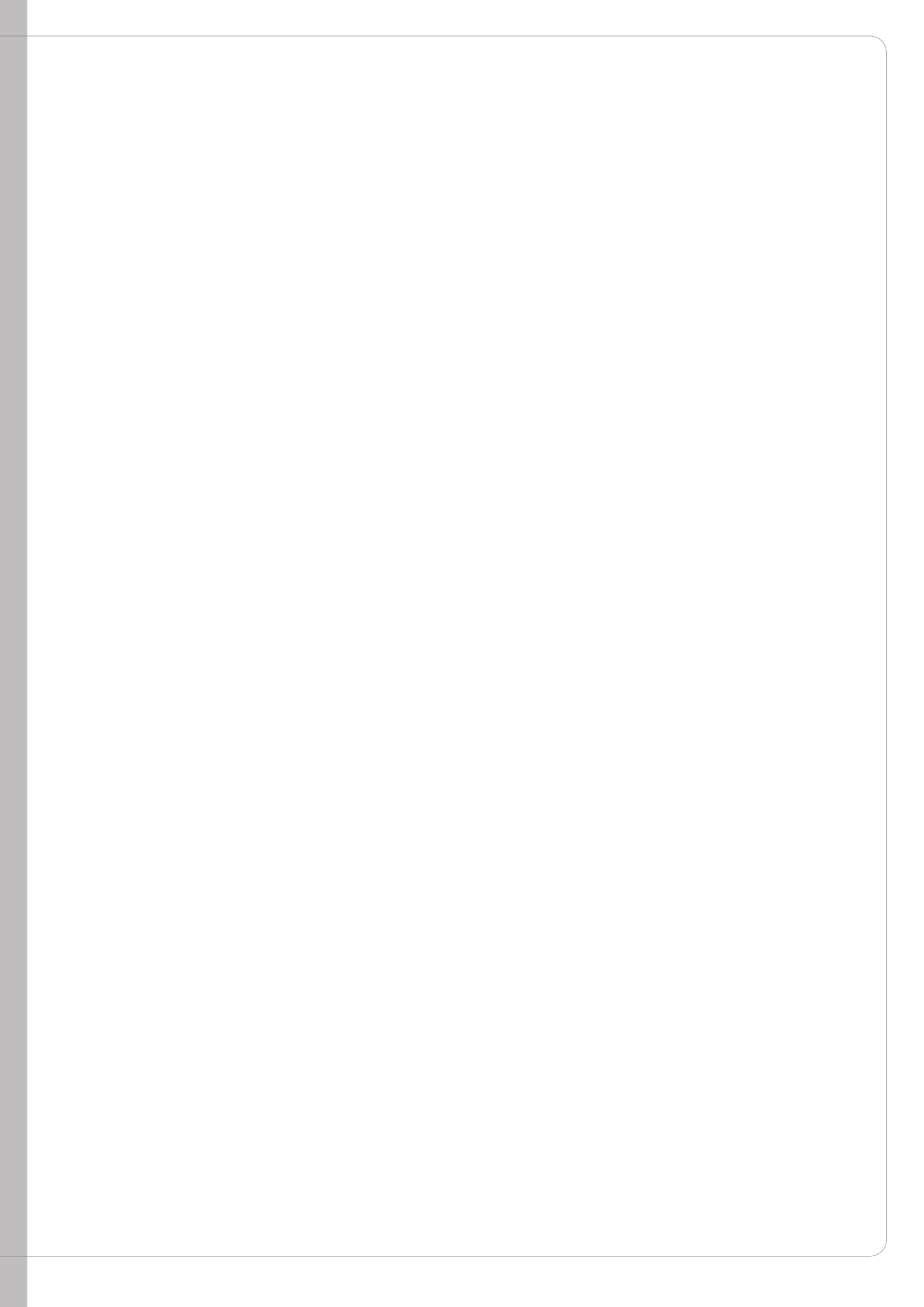
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ALOPIDAE	3	CHAUNACIDAE	1	HEMIRHAMPHIDAE	7(1)
AMBASSIDAE	6(3)	CHIMAERIDAE	1	HEXANCHIDAE	3
AMMODYTIDAE	1	CHIROCENTRIDAE	1	HISTIOPTERIDAE	1
ANGUILLIDAE	8(2)	CHLOPSIDAE (XENCONGRIDAE)	6 (3)	HOLOCENTRIDAE	31(1)
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ARIOMMIDAE	2	CONGRIDAE	20(5)	KYPHOSIDAE	4
ASTRONESTHIDAE	(1)	CORYPHAENIDAE	2	LABRIDAE	112(18)
ATHERINIDAE	7	CREEDIIDAE	4(1)	LACTARIIDAE	1
AULOSTOMIDAE	1	CYNOGLOSSIDAE	1	LAMNIDAE	4
BALISTIDAE	22 (1)	CYPRINIDAE	8(1)	LAMPRIDAE	1
BELONIDAE	9	DACTYLOPTERIDAE	1	LEIOGNATHIDAE	9 (2)
BERYCIDAE	3	DASYATIDAE	8 (2)	LETHRINIDAE	25 (3)
BLENNIDAE	79 (9)	DENTATHERINIDAE	1	LIPARIDIDAE	1
BOTHIDAE	6	DIODONTIDAE	4	LOBOTIDAE	1
BRAMIDAE	9	DREPANIDAE*	(1)	LOPHIIDAE	2
BRANCHIOSTEGIDAE	1	ECHENEIDAE	3	LUTJANIDAE	47 (9)
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BREGMACEROTIDAE	4	ELEOTRIDAE	25(3)	MACROURIDAE	4
BYTHITIDAE	16 (2)	ELOPIDAE	1(1)	MALACANTHIDAE	3
CAESIONIDAE	12	EMMELICHTHYIDAE	1	MASTACEMBELIDAE	1
CALLIONYMIDAE	8	ENGRAULIDAE	8 (2)	MEGALOPIDAE	1
CAPROIDAE	1	EPHIPPIDAE	3	MELANOSTOMIDAE	1
CARACANTHIDE	2	EPIGONIDAE	1	MENIDAE	1
CARANGIDAE	52 (2)	EXOCOETIDAE	25(1)	MICRODESMIDAE	4(1)
CARAPIDAE	6	FISTULARIIDAE	3	MOBULIDAE	4
CARCHARHINIDAE	16 (2)	GEMPYLIDAE	11	MOLIDAE	4
CENTRARCHIDAE	2	GERREIDAE	9(1)	MONACANTHIDAE	16
CENTRISCIDAE	1	GINGLYMOSTOMATIDAE	1	MONODACTYLIDAE	1
CENTROLOPHIDAE	1	GIRELLIDAE	1	MORIDAE	3
CENTROPOMIDAE*	(1)	GOBIESOCIDAE	8(1)	MORINGUIDAE	10 (1)
CEPOLIDAE	1	GOBIOIDIDAE	2	MUGILIDAE	19 (2)
CHAETODONTIDAE	38 (4)	GOBIIDAE	240(46)	MULLIDAE	20 (7)
CHAMPSODONTIDAE	1	GONOSTOMATIDAE	3	MURAENESOCIDAE	2
CHANIDAE	1	GRAMMICOLEPIDIDAE	1	MURAENIDAE	60

MYCTOPHIDAE	14(1)		SALMONIDAE	1
MYLIOBATIDAE	1		SAMARIDAE	1
NEMIPTERIDAE	11(1)		SCARIDAE	37(4)
NOMEIDAE	8		SCATOPHAGIDAE	1
ODONTASPIDIDAE	2		SCIAENIDAE*	(4)
OGOCEPHALIDAE	2		SCOMBRIDAE	16(2)
OMOSUDIDAE	1		SCORPAENIDAE	56(8)
OPHICHTHIDAE	34(2)		SCYLIORHINIDAE	1(4)
OPHIDIIDAE	3		SCHINDLERIIDAE	1
OPISTOGNATHIDAE	3		SEBASTIDAE	1
ORECTOLOBIDAE*	(1)		SERRANIDAE	87(17)
OSTRACIIDAE	7		SIGANIDAE	19(1)
OSTRACOBERYCIDAE	2		SOLEIDAE	5(2)
OWSTONIIDAE	1		SOLENOSTOMIDAE	6(2)
PARALICHTHYIDAE	1		SPHYRAENIDAE	12
PARALEPIDIDAE	1		SPHYRNIDAE	2(1)
PERCICHTHYIDAE	3		SQUALIDAE	12(3)
PERCOPHIDIDAE	1		STEGOSTOMATIDAE	1
PEMPHERIDAE	6		SYMPHYSANODONTIDAE	1
PINGUIPEDIDAE = MUGILOIDIDAE=PARAPERCIDAE	9		SYNAPHOBRANCHIDAE	3
PLATYCEPHALIDAE	5		SYNGNATHIDAE	50(8)
PLESIOPIDAE	7(1)		TERAPONIDAE	4(4)
PLEURONECTIDAE*	(1)		TETRAODONTIDAE	23(2)
PLOTOSIDAE	2		TETRAROGIDAE	2
POECILIDAE	7		TOXOTIDAE*	(1)
POLYNEMIDAE	4		TRIACANTHODIDAE	1
POLYMIXIIDAE	1		TRIAKIDAE	2
POMACANTHIDAE	22(3)		TRICHIURIDAE	1(1)
POMACENTRIDAE	93(22)		TRICHONOTIDAE	2(1)
POMATIDAE	1		TRIGLIDAE	3
POMATOMIDAE	(1)		TRIODONTIDAE	1
PRIACANTHIDAE	7		TRIPTERYGIIDAE	25(3)
PRISTIDAE	2		TRYPAUCHENIDAE	3
PSEUDOCARCHARIIDAE	1		URANOSCOPIDAE	2
PSEUDOCHROMIDAE	11(1)		UROLOPHIDAE	1
PSYCHROLUTIDAE	1		XENISTHMIDAE	5(2)
PTERELEOTRIDAE	10		XIPHIIDAE	1
RACHYCENTRIDAE*	(1)		ZANCLIDAE	1
REGALECIDAE	1		ZEIIDAE	1
RHINODONTIDAE	1		TOTAL: 2306 species (192 confirmed and 8 doubtful families)	
RHINOBATIDAE	2		Total: 2031 confirmed and 275 doubtful species.	



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