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COMPENDIUM of marine species from New Caledonia



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Checklist of the shore fishes of New Caledonia

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The present checklist includes the fish species known from the upper 100 m of the New Caledonian seas. Some deep-sea fishes which are occasionally found in shallow water (e.g. Loyalty Islands), high sea species which only rarely enter coastal waters, or freshwater fish species which may be found in estuaries, are excluded from this list. The geographical distribution of the shore fishes of New Caledonia is discussed by Kulbicki (in press).

A detailed annotated checklist of all New Caledonian fish species including distribution data, literature references and material lists is in preparation by R. Fricke. In the present checklist of shore fish species, all records which are verified either by museum specimens or by confirmation by revising authors, are included. Families are arranged systematically according to Nelson (2006), and species alphabetically under the family names. Doubtful records are discussed after the family name. The names which have been applied to New Caledonian shore fish species in the literature are either listed as valid species, or as synonyms or misidentifications in parentheses behind the species name. In the checklist, reference is given to materials in the collections of the Australian Museum Sydney (AMS), the Muséum National d'Histoire Naturelle Paris (MNHN), and the Staatliches Museum für Naturkunde Stuttgart (SMNS), in order to document new records.

The present checklist of the shore fishes of New Caledonia includes a total of 1694 species. Among these, 85 species are recorded from New Caledonia for the first time. As there is still a number of additional undescribed species known to the authors, and as the New Caledonian fish fauna is still incompletely known, with gaps of knowledge mainly around northern Grande Terre and the northern reefs, the Grand Récif Sud, the Ile des Pins, some of the Loyalty Islands, and the islands of Walpole, Matthew and Hunter, additional species are expected to be added to the list in future.

The 10 largest shore fish families are the Gobiidae (153 species, 9.0 % of the total species), Labridae (113 species, 6.7 %), Pomacentridae (110 species, 6.5 %), Serranidae (85 species, 5.0 %), Apogonidae (78 species, 4.6 %), Blenniidae (61 species, 3.6 %), Muraenidae (52 species, 3.1 %), Scorpaenidae (43 species, 2.5 %), Syngnathidae (42 species, 2.5 %), and Carangidae (40 species, 2.4 %). Among the shore fishes of New Caledonia, 39 species (2.3 % of the total shore fish species) are endemic to the territory. The reason for this relatively low endemism rate is that neighbouring island groups like Lord Howe Island or southern Vanuatu are relatively close, so that most species could easily disperse there in the past. If species living in deeper water (100-600 m) were included in the checklist, the figure of endemic species would be much higher. But even for shore fish species, the percentage of endemic species is expected to rise in the future as several apparently endemic species are still undescribed.

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List of Shore fishes of New Caledonia (0-100 m)

STEGOSTOMATIDAE

Stegostoma fasciatum (Seba in Hermann, 1783) (Synonym: *Stegostoma varium*).

GINGLYMOSTOMATIDAE

Nebrius ferrugineus (Lesson, 1831) (Reported by several authors under the name *Nebrius concolor*)

RHINCODONTIDAE

Rhincodon typus (Smith, 1828)

ODONTASPIDIDAE

Odontaspis noronhai (Maul, 1955)

PSEUDOCARCHARIIDAE

Pseudocarcharias kamoharai (Matsubara, 1936)

ALOPIIDAE

Alopias pelagicus Nakamura, 1935

Alopias superciliosus (Lowe, 1841)

Alopias vulpinus (Bonnaterre, 1788)

LAMNIDAE

Carcharodon carcharias (Linnaeus, 1758)

Isurus oxyrinchus Rafinesque-Schmaltz, 1810

Isurus paucus Guitart Mandy, 1966

SCYLIORHINIDAE

Aulohalaelurus kanakorum Séret, 1990

CARCHARHINIDAE

Carcharhinus albimarginatus (Rüppell, 1837)

Carcharhinus amblyrhynchos (Bleeker, 1856)

Carcharhinus brevipinna (Müller & Henle, 1839)

Carcharhinus falciformis (Bibron in Müller & Henle, 1839)

Carcharhinus leucas (Valenciennes in Müller & Henle, 1839)

Carcharhinus limbatus (Valenciennes in Müller & Henle, 1839)

Carcharhinus longimanus (Poey, 1861)

Carcharhinus melanopterus (Quoy & Gaimard, 1824)

Carcharhinus obscurus (LeSueur, 1818)

Carcharhinus plumbeus (Nardo, 1827)

Carcharhinus sorrah (Valenciennes in Müller & Henle, 1839)

Galeocerdo cuvier (Peron & LeSueur in LeSueur, 1822)

Negaprion acutidens (Rüppell, 1837)

Prionace glauca (Linnaeus, 1758)

Triaenodon obesus (Rüppell, 1837)

SPHYRNIDAE

Sphyrna lewini (Griffith & Smith, 1834)

Sphyrna mokarran (Rüppell, 1837)

HEXANCHIDAE

Hexanchus vitulus Springer & Waller, 1969

SQUALIDAE

Squalus blainville (Risso, 1827)

Squalus megalops (Macleay, 1882)

RHINIDAE

Rhina ancylostoma Bloch & Schneider, 1801

RHINOBATIDAE

Rhinobatus djiddensis (Forsskål in Niebuhr, 1775)

DASYATIDAE

Dasyatis bennetti (Müller & Henle, 1841)

Dasyatis fluviorum Ogilby, 1908

Dasyatis kuhlii (Müller & Henle, 1841)

Himantura fai Jordan & Seale, 1906

Himantura granulata (Macleay, 1883)

Pastinachus sephen (Forsskål in Niebuhr, 1775)

Taeniura lymma (Forsskål in Niebuhr, 1775)

Taeniura meyeni Müller & Henle, 1841 (Synonym: *Taeniura melanospila*)

Urogymnus asperrimus (Bloch & Schneider, 1801)

MYLIOBATIDAE**- SUBFAMILY MYLIOBATINAE**

Aetobatus narinari (Euphrasen, 1790)

Aetomylaeus maculatus (Gray, 1832)

Aetomylaeus vespertilio (Bleeker, 1852)

- SUBFAMILY MOBULINAE

Manta birostris (Walbaum, 1792)

Mobula tarapacana (Philippi, 1893)

ELOPIDAE

Elops hawaiiensis Regan, 1909 (Reported by several authors under the name *Elops machnata*).

MEGALOPIDAE

Megalops cyprinoides (Broussonet, 1782)

ALBULIDAE

Albula forsteri Valenciennes in Cuvier & Valenciennes, 1846 (Reported by several authors under the name *Albula vulpes*).

Albula glossodonta (Forsskål in Niebuhr, 1775)

ANGUILLIDAE

Anguilla australis Richardson, 1841 (Synonym: *Anguilla australis schmidtii*)

Anguilla marmorata Quoy & Gaimard, 1824 (Synonym: *Anguilla mauritiana*)

Anguilla megastoma Kaup, 1856

Anguilla obscura Günther, 1871

Anguilla reinhardtii Steindachner, 1867

MORINGUIDAE

Moringua ferruginea Bliss, 1883

Moringua javanica (Kaup, 1856)

Moringua macrochir Bleeker, 1855

Moringua microchir Bleeker, 1853

CHLOPSIDAE

Kaupichthys atronatus Schultz in Schultz, Herald, Lachner, Welanders & Woods, 1953

Kaupichthys brachychirus Schultz, 1953 (**New record** from New Caledonia based on SMNS material from northeastern Grande Terre)

Kaupichthys diodontus Schultz, 1943

Kaupichthys hyoproroides (Strömmann, 1896)

Xenococongery fryeri Regan, 1912

MURAENIDAE

A record of *Echidna xanthospilos* (Bleeker, 1859), under the name *Gymnomuraena xanthopleura* needs verification.

- Anarchias cantonensis* (Schultz, 1943)
Anarchias seychellensis Smith, 1962
Echidna amblyodon (Bleeker, 1856) (**New record** from New Caledonia based on SMNS 22791 from Tao, northeastern Grande Terre)
Echidna delicatula (Kaup, 1856) (**New record** from New Caledonia based on SMNS 22943 from Lifou, Loyalty Islands)
Echidna leucotaenia Schultz, 1943 (**New record** from New Caledonia based on SMNS material from Grande Terre and Loyalty Islands)
Echidna nebulosa (Ahl, 1789)
Echidna polyzona (Richardson, 1845) (Synonym: *Megaderus catenatus*)
Echidna unicolor Schultz in Schultz, Herald, Lachner, Welander & Woods, 1953
Enchelycore bayeri (Schultz in Schultz, Herald, Lachner, Welander & Woods, 1953)
Enchelycore pardalis (Temminck & Schlegel, 1846)
Gymnomuraena zebra (Shaw & Nodder, 1797)
Gymnothorax albimarginatus (Temminck & Schlegel, 1846) (Reported by Rivaton *et al.* [1989] under the name *Gymnothorax hepaticus*)
Gymnothorax berndti Snyder, 1904
Gymnothorax boschii (Bleeker, 1853)
Gymnothorax buroensis (Bleeker, 1857)
Gymnothorax chilospilus Bleeker, 1865
Gymnothorax eurostus (Abbott, 1861)
Gymnothorax fimbriatus (Bennett, 1832) (Reported by Whitley [1961] under the name *Lycodontis melanospilos*)
Gymnothorax flavimarginatus (Rüppell, 1830)
Gymnothorax fuscomaculatus (Schultz in Schultz, Herald, Lachner, Welander & Woods, 1953)
Gymnothorax gracilicauda Jenkins, 1903 (**New record** from New Caledonia based on SMNS 22912 from Lifou, Loyalty Islands)
Gymnothorax javanicus (Bleeker, 1859)
Gymnothorax kidako (Temminck & Schlegel, 1846) (**New record** from New Caledonia; reported as *Gymnothorax* sp. 5 by Laboute & Grandperrin [2000: 114])
Gymnothorax margaritophorus (Bleeker, 1865) (Synonym: *Gymnothorax talofa*)
Gymnothorax marshallensis (Schultz, 1953)
Gymnothorax melatremus Schultz in Schultz, Herald, Lachner, Welander & Woods, 1953
Gymnothorax meleagris (Shaw in Shaw & Nodder, 1795)
Gymnothorax monochrous (Bleeker, 1856)
Gymnothorax nudivomer (Günther in Playfair & Günther, 1867) (Synonym: *Gymnothorax xanthostomus*)
Gymnothorax pictus (Ahl, 1789) (Reported as *Gymnothorax* sp. 4 by Laboute & Grandperrin [2000: 113])
Gymnothorax pindae Smith, 1962 (Reported as *Gymnothorax* sp. 3 by Laboute & Grandperrin [2000: 113])
Gymnothorax polyuranodon (Bleeker, 1853)
Gymnothorax porphyreus (Guichenot, 1848) (Reported as *Gymnothorax* sp. 2 and 6 by Laboute & Grandperrin [2000: 113, 114])
Gymnothorax pseudothyrsoides (Bleeker, 1852)
Gymnothorax richardsonii (Bleeker, 1852) (Reported by Laboute & Grandperrin [2000: 112] under the name *Gymnothorax reticularis*)
Gymnothorax rueppellii (McClelland, 1845) (Name erroneously spelled *Gymnothorax rueppelliae* by authors)
Gymnothorax thyrsoides (Richardson, 1845)
Gymnothorax undulatus (Commerson & Lacepède in Lacepède, 1803)
Gymnothorax zonipectis Seale, 1906

Rhinomuraena quaesita Garman, 1888
Scuticaria tigrina (Lesson, 1828)
Siderea prosopeion (Bleeker, 1853)
Strophidon sathete (Hamilton, 1822) (Synonym: *Thyrsoidea macrura*)
Uropterygius alboguttatus Smith, 1962 (**New record** from New Caledonia based on SMNS 23687 from Lifou, Loyalty Islands)
Uropterygius concolor Rüppell, 1838
Uropterygius fuscoguttatus Schultz in Schultz, Herald, Lachner, Welander & Woods, 1953
Uropterygius macrocephalus (Bleeker, 1865)
Uropterygius makatei Gosline, 1958
Uropterygius marmoratus (Lacepède 1803) (**New record** from New Caledonia based on SMNS 18274 from southeastern Grande Terre)
Uropterygius xanthopterus Bleeker, 1859 (Reported by Schmeltz [1869: 27]; record needs verification)
Uropterygius xenodontus McCosker & Smith, 1997

OPHICHTHIDAE

Apterichtus klazingai (Weber, 1913)
Callechelys catostoma (Forster in Bloch & Schneider, 1801) (Synonym: *Callechelys melanotaenia*)
Callechelys marmorata (Bleeker, 1853) (**New record** from New Caledonia; reported as *Myrichthys* sp. by Laboute & Grandperrin [2000: 118])
Ichthyapus vulturis (Weber & Beaufort, 1916) (**New record** from New Caledonia based on SMNS 21759 from Chesterfield Islands)
Lamnostoma kampeni (Weber & Beaufort, 1916)
Lamnostoma orientalis (McClelland, 1845)
Leiuranus semicinctus (Lay & Bennett, 1839)
Muraenichthys gymnotus Bleeker, 1857
Muraenichthys laticaudatus (Ogilby, 1898)
Muraenichthys macropterus Bleeker, 1857
Muraenichthys schultzi Bleeker, 1857 (**New record** from New Caledonia based on SMNS 22801 from northern Grande Terre)
Myrichthys colubrinus (Boddaert, 1781)
Myrichthys maculosus (Cuvier, 1816)
Myrophis uropterus (Temminck & Schlegel, 1842)
Ophichthus bonaparti (Kaup, 1856)
Ophichthus cephalozona (Bleeker, 1864)
Pisodonophis boro (Hamilton, 1822)
Schismorhynchus labialis (Seale, 1917)
Schultzidia johnstonensis (Schultz & Woods, 1949)
Yirrkala insolitus McCosker, 1999 (Reported by Rivaton *et al.* [1989] under the name *Yirrkala lumbricoides*)

MURAENESOCIDAE

Muraenesox bagio (Hamilton-Buchanan, 1822)

CONGRIDAE

Ariosoma anagoides (Bleeker, 1854)
Ariosoma anago (Temminck & Schlegel, 1846)
Ariosoma mauritianum (Pappenheim, 1914)
Ariosoma scheelei (Strömman, 1896)
Conger cinereus (Rüppell, 1828) (Reported by Jouan [1879] as *Conger marginatus*; reported by Fourmanoir, [1981] under the name *Conger japonicus*)
Conger verreauxi Kaup, 1856
Conger wilsoni (Banning in Bloch & Schneider, 1801)
Gnathophis habenatus (Richardson, 1848) (Reported by Castle [1963] as *Gnathophis habenatus longicaudus*)

Gnathophis umbrellabius (Whitley, 1948) (Synonym: *Gnathophis incognitus* Castle, 1963; **new record** from New Caledonia based on Castle [1963: 37-45])

Heteroconger hassi (Klausewitz & Eibl-Eibesfeld, 1959) (Synonym: *Taenioconger hassi neocaledoniensis* Castle, 1967)

Heteroconger tomberua Castle & Randall, 1999

ENGRAULIDAE

Encrasicholina devisi (Whitley, 1940)

Encrasicholina heteroloba (Rüppell, 1837)

Encrasicholina punctifer (Fowler, 1938)

Engraulis australis (White, 1790) (Reported by Fowler [1928: 33] under the name *Engraulis indica*, and by Fourmanoir [1971: 110] as *Engraulis japonicus*).

Stolephorus indicus (Hasselt, 1823)

Stolephorus insularis Hardenberg, 1933 (Reported by Rivaton *et al.* [1989] under the name *Stolephorus tri*)

Stolephorus waitei Jordan & Seale, 1906

Thryssa baelama (Forsskål in Niebuhr, 1775)

CHIROCENTRIDAE

Chirocentrus dorab (Forsskål in Niebuhr, 1775) (Synonym: *Neosudis vorax* Castelnau, 1873)

CLUPEIDAE

Amblygaster clupeoides Bleeker, 1849

Amblygaster sirm (Walbaum, 1792)

Anodontostoma chacunda (Hamilton Buchanan, 1822)

Dussumieria elopsoides Bleeker, 1849 (Reported by several authors under the name *Dussumieria acuta*)

Herklotsichthys quadrimaculatus (Rüppell, 1837) (*Clupea mauritiana* Bennett, 1833 is a senior synonym according to Fricke [1999: 73], but should not be used)

Nematalosa come (Richardson, 1846)

Sardinella fijiense (Fowler & Bean, 1923) (Reported by Borodin [1932] under the name *Clupea sindensis*)

Sardinella melanura (Cuvier, 1829)

Spratelloides delicatulus (Bennett, 1832)

Spratelloides gracilis (Temminck & Schlegel, 1846)

CHANIDAE

Chanos chanos (Forsskål in Niebuhr, 1775)

GONORYNCHIDAE

Gonorynchus greyi (Richardson, 1845) (Reported by several authors under the name *Gonorynchus gonorynchus* with different spelling)

PLOTOSIDAE

Plotosus lineatus (Thunberg, 1787) (Synonyms: *Plotosus anguillaris*, *Plotosus arab*)

AULOPIIDAE

Hime japonica (Günther, 1880) (Reported by several authors under the name *Aulopus japonicus*)

SYNODONTIDAE

A record of *Saurida longimanus* (Norman, 1939) by Rivaton *et al.* (1989: 74) needs verification.

Saurida gracilis (Quoy & Gaimard, 1824)

Saurida nebulosa Valenciennes in Cuvier & Valenciennes, 1850 (This species was confused by some authors with *S. gracilis*)

Saurida tumbil (Bloch, 1795)

Saurida undosquamis (Richardson, 1848) (Reported by Laboute & Grandperrin, 2000: 126 under the name *Saurida* sp.)

Synodus binotatus Schultz in Schultz, Herald, Lachner, Welander & Woods, 1953

Synodus dermatogenys Fowler, 1912 (This species was confused by several authors with *Synodus variegatus* and *Synodus englemani*)

Synodus doaki Russell & Cressey, 1979

Synodus hoshionis (Tanaka, 1917)

Synodus jaculum Russell & Cressey, 1979

Synodus macrocephalus (Cressey, 1981)
Synodus oculus Cressey, 1981
Synodus rubromarmoratus Russell & Cressey, 1979
Synodus similis (McCulloch, 1921)
Synodus tectus (Cressey, 1981) (Reported by Rivaton [1989: 142] under the name *Synodus variegatus*)
Synodus variegatus (Commerson in Lacepède, 1803) (Reported by Thollot & Kulbicki [1988: 618] under the name *Synodus englemani*)
Trachinocephalus myops (Forster in Bloch & Schneider, 1801)

MYCTOPHIDAE

Some species of Myctophidae, like *Diaphus metopoclampus* (Cocco, 1829) or *Myctophum nitidulum* Garman, 1899, may be encountered inshore at night (e.g. at Baie du Santal, Lifou, Loyalty Islands; identification based on SMNS material).

VELIFERIDAE

Metavelifer multiradiatus (Regan, 1907)

LAMPRIDAE

Lampris guttatus (Brünnich, 1788) (Reported by Fourmanoir & Laboute [1976: 326] under the name *Lampris regius*)

TRACHTERIDAE

Zu cristatus (Bonelli, 1819)

POLYMIXIIDAE

Polymixia berndti Gilbert, 1905

BREGMACEROTIDAE

Bregmaceros sp. (Undescribed species; reported by authors under the name *Bregmaceros maccllellandi* or *Bregmaceros maclellandii*)
Bregmaceros japonicus Tanaka, 1908 (**New record** from New Caledonia based on SMNS 23663 from Lifou, Loyalty Islands)
Bregmaceros nectabanus Whitley, 1941
Bregmaceros rarisquamosus Munro, 1950

MORIDAE

Physiculus therosideros Paulin, 1987

CARAPIDAE

Carapus mourlani (Petit, 1934)
Echiodon coheni Williams, 1984
Encheliophis homei (Richardson, 1846)
Encheliophis vermicularis (Müller, 1842)
Onuxodon fowleri (Smith, 1955) (Reported by authors under the name *Onuxodon margaritiferae*)
Onuxodon parvibrachium (Fowler, 1927)
Pyramodon ventralis Smith & Radcliffe, 1913

OPHIDIIDAE

Brotula multibarbata Temminck & Schlegel, 1846
Brotula townsendi Fowler, 1901
Monomitopus garmani (Smith & Radcliffe in Radcliffe, 1913)
Ophidion muraenolepis (Günther, 1880)

BYTHITIDAE

Several undescribed species are known to occur at New Caledonia; descriptions are under preparation by Schwarzhans, Møller and Nielsen.
Diancistrus brevirostris Schwarzhans, Møller & Nielsen, 2005 (Reported by Kulbicki & Williams [1997: 12] under the name *Brosomphyciops pautzkei* [in part])
Diancistrus longifilis Ogilby, 1899
Diancistrus tongaensis Schwarzhans, Møller & Nielsen, 2005 (Reported by authors under the name *Brosomphyciops pautzkei* [in part])
Dinematichthys randalli Machida, 1994
Dinematichthys riukiuensis Aoyagi, 1954

ANTENNARIIDAE

- Antennarius coccineus* (Cuvier in Lesson, 1831) (Synonym: *Abantennarius neocaledoniensis* Danois, 1964)
Antennarius commerson (Commerson & Lacepède in Anonymus, 1798) (Synonym: *Antennarius moluccensis*; reported by Laboute & Grandperrin [2000: 131] under the name *Antennarius* sp. 1-3)
Antennarius duescus Snyder, 1904
Antennarius hispidus (Bloch & Schneider, 1801) (**New record** from New Caledonia based on SMNS 19848 from Maré, Loyalty Islands)
Antennarius maculatus (Desjardins, 1840)
Antennarius nummifer Cuvier, 1816
Antennarius pictus (Shaw in Shaw & Nodder, 1794) (Reported by Whitley [1961: 64] under the name *Antennarius phymatodes*)
Antennarius rosaceus Smith & Radcliffe in Radcliffe, 1912 (**New record** from New Caledonia based on SMNS 23913 from Lifou, Loyalty Islands)
Antennarius striatus (Shaw in Shaw & Nodder, 1794) (Synonyms: *Chironectes tridens* Temminck & Schlegel, 1845; *Phrynelox zebrinus* Schultz, 1957)
Antennatus tuberosus (Cuvier, 1817) (Reported by Laboute & Grandperrin [2000: 132] under the name *Antennarius* sp. 4; **new record** from New Caledonia, also based on SMNS 23904 from Lifou, Loyalty Islands)
Histrio histrio (Linnaeus, 1758)

MUGILIDAE

- Mugil broussoneti* Valenciennes in Cuvier & Valenciennes, 1836 was doubtfully recorded from New Caledonia by Harrision & Senou, (1999: 2095).
Cestraeus goldiei (Macleay, 1883)
Cestraeus oxyrhyncus Valenciennes in Cuvier & Valenciennes, 1836
Cestraeus plicatilis Valenciennes in Cuvier & Valenciennes, 1836
Chelon macrolepis (Smith, 1849)
Chelon melinopterus (Valenciennes in Cuvier & Valenciennes, 1836)
Chelon planiceps (Valenciennes in Cuvier & Valenciennes, 1836) (Synonym: *Liza tade*)
Chelon subviridis (Valenciennes in Cuvier & Valenciennes, 1836)
Crenimugil crenilabis (Forsskål in Niebuhr, 1775) (Synonym: *Mugil neocaledonicus* Castelnau, 1873)
Crenimugil heterocheilos (Bleeker, 1855)
Ellochelon vaigiensis (Quoy & Gaimard, 1824) (Synonym: *Liza macrolepidotus*)
Moolgarda buchanani (Bleeker, 1853)
Moolgarda cunnesius (Valenciennes in Cuvier & Valenciennes, 1836)
Moolgarda engeli (Bleeker, 1858)
Moolgarda seheli (Forsskål in Niebuhr, 1775)
Mugil cephalus Linnaeus, 1758 (Synonym: *Mugil catalarum* Whitley, 1951)
Oedalechilus labiosus (Valenciennes in Cuvier & Valenciennes, 1836) (**New record** from New Caledonia based on SMNS 23994 from southern Grande Terre)

ATHERINIDAE

Record of *Atherinomorus insularum* (Jordan & Evermann, 1903) by Borodin (1932: 76) under the name *Atherina insularum* needs verification.

- Atherinomorus duodecimalis* (Valenciennes in Cuvier & Valenciennes, 1835) (Reported by authors under the name *Atherinomorus endrachtensis*).
Atherinomorus lacunosus (Forster in Bloch & Schneider, 1801) (Reported by Whitley [1961: 65] under the name *Pranesus ogilbyi*, and by Fourmanoir & Laboute [1976: 306] under the name *Pranesus pinguis*).
Atherion elymus Jordan & Starks, 1901
Hypoatherina barnesi Schultz in Schultz, Herald, Lachner, Welanders & Woods, 1953
Hypoatherina ovalaua (Herre, 1935)
Hypoatherina temminckii (Bleeker, 1853)
Stenatherina panatela (Jordan & Richardson, 1908)

EXOCHOETIDAE

- Records of *Cypselurus bruuni* Kotthaus, 1965 by Fourmanoir (1971: 111), and of *Hirundichthys volador* (Jordan, 1884) by Rivaton *et al.* (1989: 38) under the name *Prognichthys rondeletii*, need verification.

Cheilopogon atrisignis (Jenkins, 1904)
Cheilopogon dorsomacula (Fowler, 1944)
Cheilopogon furcatus (Mitchill, 1815)
Cheilopogon rapanouiensis Parin, 1962
Cheilopogon spilonotopterus (Bleeker, 1866)
Cheilopogon spilopterus (Valenciennes in Cuvier & Valenciennes, 1846)
Cheilopogon unicolor (Valenciennes in Cuvier & Valenciennes, 1847) (Synonym: *Cypsilurus ogilbyi* Jordan & Snyder in Jordan & Dickerson, 1908)
Cypselurus angusticeps Nichols & Breder, 1935
Cypselurus naresii (Günther, 1889)
Cypselurus oligolepis (Bleeker, 1866)
Cypselurus poecilopterus (Valenciennes in Cuvier & Valenciennes, 1846)
Exocoetus obtusirostris Günther, 1866
Exocoetus volitans Linnaeus, 1758
Hirundichthys speculiger (Valenciennes in Cuvier & Valenciennes, 1847)
Oxyporhamphus meristocystis (Parin, 1961)
Parexocoetus brachypterus (Günther, 1866)

HEMIRAMPHIDAE

Euleptorhamphus viridis (Russell in Hasselt, 1823)
Hemirhamphus far (Forsskål in Niebuhr, 1775) (Reported by Jouan [1879] under the name *Hemirhamphus marginatus*, and by Castelnau, [1873] under the name *Hemirhamphus commersonii*)
Hyporhamphus dussumieri (Valenciennes in Cuvier & Valenciennes, 1846)
Zenarchopterus dispar (Valenciennes in Cuvier & Valenciennes, 1846)

BELONIDAE

Ablennes hians (Valenciennes in Cuvier & Valenciennes, 1846)
Platybelone argalus platyura (Bennett, 1832)
Strongylura incisa (Valenciennes in Cuvier & Valenciennes, 1846)
Strongylura leiura (Bleeker, 1851)
Strongylura urvillii (Valenciennes in Cuvier & Valenciennes, 1846)
Tylosurus acus melanotus (Bleeker, 1851)
Tylosurus crocodilus crocodilus (Peron & LeSueur in LeSueur, 1821) (Reported by Seale [1935: 345] under the name *Tylosurus indica*)

ANOMALOPIDAE

Anomalops katopron Bleeker, 1856
Photoblepharon palpebratus (Boddaert, 1781)

MONOCENTRIDAE

Monocentris japonica (Houttuyn, 1782)

TRACHICHTHYIDAE

Gephyroberyx darwini (Johnson, 1866)
Paratrachichthys trailli (Hutton, 1875)
Parinoberyx horridus Kotlyar, 1984

BERYCIDAE

Beryx splendens Lowe, 1834
Centroberyx affinis (Günther, 1859)
Centroberyx druzhinini (Busakhin, 1981)

HOLOCENTRIDAE

Records of *Myripristis amaena* by Rivaton *et al.* (1989: 43) and Kulbicki & Williams (1997: 12) are probably based on *Myripristis pralinia*.
Myripristis adusta Bleeker, 1853
Myripristis berndti Jordan & Evermann, 1903 (Reported by Fourmanoir & Laboute [1976: 155] under the name *Myripristis amaenus*)
Myripristis botche Cuvier, 1829 (Synonym: *Myripristis melanostictus*; reported by Fourmanoir & Laboute [1976: 156-157] under the name *Myripristis murdjan*)
Myripristis hexagona (Lacepède, 1802)
Myripristis kuntzei Valenciennes in Cuvier & Valenciennes, 1831

Myripristis murdjan (Forsskål in Niebuhr, 1775) (Synonym: *Myripristis bowditchae* Woods in Schultz *et al.*, 1953)
Myripristis pralinia Cuvier, 1829
Myripristis violacea Bleeker, 1851
Myripristis vittata Valenciennes in Cuvier & Valenciennes, 1831 (Reported by Borodin [1932: 75] under the name *Myripristis trachyacron*, and by Laboute & Grandperrin [2000: 45, 140] under the name *Myripristis* sp.)
Myripristis woodsi Greenfield, 1974 (Reported by Laboute & Grandperrin [2000: 143] under the name *Myripristis* sp.; **new record** from New Caledonia)
Neoniphon argenteus (Valenciennes in Cuvier & Valenciennes, 1831)
Neoniphon opercularis (Valenciennes in Cuvier & Valenciennes, 1831)
Neoniphon sammara (Forsskål in Niebuhr, 1775)
Ostichthys hypsipterygion Randall, Shimizu & Yamakawa, 1982
Ostichthys japonicus (Cuvier in Cuvier & Valenciennes, 1829)
Ostichthys kaianus (Günther, 1880)
Plectrypops lima (Valenciennes in Cuvier & Valenciennes, 1831) (Reported by Laboute & Grandperrin [2000: 141] under the name *Myripristis hexagona*)
Sargocentron caudimaculatum (Rüppell, 1838)
Sargocentron cornutum (Bleeker, 1853)
Sargocentron diadema (Commerson & Lacepède in Lacepède, 1802)
Sargocentron ensifer (Jordan & Evermann, 1903) (Reported by Fourmanoir & Laboute [1976: 153] and Laboute & Grandperrin [2000: 138, 145] under the name *Adioryx furcatus* or *Sargocentron furcatum*)
Sargocentron iota Randall, 1998
Sargocentron lepros (Allen & Cross, 1983)
Sargocentron melanospilos (Bleeker, 1858)
Sargocentron microstoma (Günther, 1859)
Sargocentron praslin (Lacepède, 1802) (**New record** from New Caledonia based on SMNS 22634 from southern Grande Terre)
Sargocentron punctatissimum (Cuvier in Cuvier & Valenciennes, 1829)
Sargocentron rubrum (Forsskål in Niebuhr, 1775)
Sargocentron spiniferum (Forsskål in Niebuhr, 1775)
Sargocentron tierre (Cuvier in Cuvier & Valenciennes, 1829)
Sargocentron violaceum (Bleeker, 1853)

ZEIDAE

Zenopsis nebulosa (Temminck & Schlegel, 1845)

PEGASIDAE

Eurypegasus draconis (Linné, 1766)

SOLENOTOMIDAE

Solenostomus cyanopterus Bleeker, 1854

Solenostomus paradoxus (Pallas, 1770)

SYNGNATHIDAE

Acentronura breviperula Fraser-Brunner & Whitley, 1949 (Reported by Rivaton *et al.* [1989: 73] under the names *Acentronura tentaculata*, *Acentronura australe* and *Acentronura gracilissima*, and by Laboute & Grandperrin [2000: 157, 159] under the names *Halicampus* sp. and *Hippocampus* sp.)

Corythoichthys sp. (Undescribed species similar to *Corythoichthys amplexus*)

Corythoichthys conspicillatus (Jenyns, 1842) (Reported by Fourmanoir [1971: 112] under the name *Corythoichthys flavofasciatus*).

Corythoichthys haematopterus (Bleeker, 1851)

Corythoichthys intestinalis (Ramsay, 1881) (Reported by Whitley [1961: 64] under the name *Corythoichthys flavofasciatus*, by Plessis & Fourmanoir [1966: 125] under the name *Hippichthys intestinalis waitei*, and by Kulbicki *et al.* [1994: 15] under the name *Corythoichthys amplexus*)

Corythoichthys nigripectus Herald in Schultz, Herald, Lachner, Welander & Woods, 1953

Corythoichthys ocellatus Herald in Schultz, Herald, Lachner, Welander & Woods, 1953

Corythoichthys paxtoni Dawson, 1977

Corythoichthys schultzi Herald in Schultz, Herald, Lachner, Welander & Woods, 1953

Cosmocampus banneri (Herald & Randall, 1972)
Doryrhamphus melanopleura (Bleeker, 1858) (Reported by several authors under the name *Doryrhamphus excisus excisus*)
Dunckerocampus chapmani (Herald in Schultz, Herald, Lachner, Welander & Woods, 1953)
Dunckerocampus dactyliophorus (Bleeker, 1853)
Festucalex kulbickii Fricke, 2004 (Reported by Plessis & Fourmanoir [1966: 125] and other authors under the name *Ichthyocampus erythraeus* or *Festucalex erythraeus*, by others as *Festucalex gibbsi*, and by Kuitert [2000: 122] as *Festucalex* sp. 1)
Festucalex wassi Dawson, 1977
Halicampus boothae (Whitley, 1964)
Halicampus brocki (Herald in Schultz, Herald, Lachner, Welander & Woods, 1953)
Halicampus dunckeri (Chabanaud, 1929)
Halicampus mataaefae (Jordan & Seale, 1906)
Halicampus nitidus (Günther, 1873)
Halicampus spinirostris (Dawson & Allen, 1981)
Hippichthys spicifer (Rüppell, 1838)
Hippocampus bargibanti Whitley, 1970
Hippocampus curvicius Fricke, 2004 (Reported by several authors under the name *Hippocampus hystrix*, by Fourmanoir [1971: 112] as *Hippocampus jayakari*, and by Myers [1999: 89] and Laboute & Grandperrin [2000: 158, large fig.] as *Hippocampus kuda*)
Hippocampus pusillus Fricke, 2004
Hippocampus semispinosus Kuitert, 2001 (Reported by several authors under the name *Hippocampus kuda*, and by Lourie, Vincent & Hall [1999: 92-93] as *Hippocampus fisheri*)
Hippocampus taeniopterus Bleeker, 1852
Micrognathus brevicorpus Fricke, 2004 (Reported by several authors under the name *Micrognathus andersonii*)
Micrognathus micronotopterus (Fowler, 1938)
Micrognathus natans Dawson, 1982
Micrognathus pygmaeus Fritzsche, 1981 (Reported by several authors under the name *Micrognathus brevirostris*)
Microphis argulus (Peters, 1855)
Microphis brachyurus (Bleeker, 1853)
Microphis brevidorsalis (Beaufort, 1913)
Microphis leiaspis (Bleeker, 1853)
Microphis retzii (Bleeker, 1856)
Phoxocampus belcheri (Kaup, 1856)
Phoxocampus diacanthus (Schultz, 1943)
Siokunichthys herrei Herald in Schultz, Herald, Lachner, Welander & Woods, 1953
Siokunichthys striatus Fricke, 2004
Syngnathoides biaculeatus (Bloch, 1785)
Trachyrhamphus bicoarctatus (Bleeker, 1857) (Reported by Jouan [1879: 332] under the name *Ichthyocampus maculatus*, by Fourmanoir [1971: 112] and Fourmanoir & Laboute [1976: 272] as *Yozia intermedia*, and by Rivaton *et al.* [1989: 74] and Rivaton & Bourret [1999: 46] as *Trachyrhamphus longirostris*)

AULOSTOMIDAE

Aulostomus chinensis (Linné, 1766)

FISTULARIIDAE

Fistularia commersonii Rüppell, 1838 (Confused with *Fistularia petimba* by Fowler [1928: 117-118])
Fistularia petimba Lacepède, 1803 (Records from New Caledonia need verification; they may be based on *F. commersonii* according to Fritzsche & Thiesfeld [1999: 2279]; synonym: *Fistularia villosa*)

MACRORAMPHOSIDAE

Macroramphosus scolopax (Linnaeus, 1758)

CENTRISCIDAE

Aeoliscus strigatus (Günther, 1860) (Reported by Jouan [1863: 183] and Fowler [1928: 118] under the name *Amphisile scutatum* or *Centriscus scutatus*)

DACTYLOPTERIDAE

Dactyloptena orientalis (Cuvier in Cuvier & Valenciennes, 1829)

SCORPAENIDAE

- SUBFAMILY SCORPAENINAE

Dendrochirus bellus (Jordan & Hubbs, 1925)

Dendrochirus biocellatus (Fowler, 1938)

Dendrochirus brachypterus (Cuvier in Cuvier & Valenciennes, 1829)

Dendrochirus zebra (Cuvier in Cuvier & Valenciennes, 1829) (Reported by Whitley [1961: 65] under the name *Pterois volitans*)

Iracundus signifer Jordan & Evermann, 1903

Parascorpaena mcadamsi (Fowler, 1938)

Parascorpaena mossambica (Peters, 1855)

Parascorpaena picta Kuhl & Hasselt in Cuvier, 1829 (Synonym: *Sebastapistes bynoensis*)

Phenacoscorpius megalops Fowler, 1938

Pterois antennata (Bloch, 1787)

Pterois lunulata Temminck & Schlegel, 1844

Pterois mombasae (Smith, 1957)

Pterois radiata Cuvier, 1829

Pterois volitans (Linnaeus, 1758)

Rhinopias aphanes Eschmeyer, 1973

Scorpaena neglecta Temminck & Schlegel, 1844

Scorpaenodes albaiensis (Evermann & Seale, 1907)

Scorpaenodes corallinus Smith, 1957

Scorpaenodes guamensis (Quoy & Gaimard, 1824) (Reported by Laboute & Grandperrin [2000: 167] under the name *Scorpaenodes* sp. 2)

Scorpaenodes hirsutus (Smith, 1957)

Scorpaenodes kelloggi (Jenkins, 1903) (Reported by Laboute & Grandperrin [2000: 167] under the name *Scorpaenodes* sp. 1)

Scorpaenodes minor (Smith, 1958) [*Scorpaenodes brocki* (Schultz, in Schultz, Woods & Lachner, 1966) is a synonym]

Scorpaenodes parvipinnis (Garrett, 1864)

Scorpaenodes scaber (Ramsay & Ogilby, 1885)

Scorpaenodes varipinnis Smith, 1957

Scorpaenopsis diabolus Cuvier, 1829

Scorpaenopsis eschmeyeri Greenfield & Randall, 2004

Scorpaenopsis macrochir Ogilby, 1910 (Reported by several authors under the name *Scorpaenopsis gibbosa*, and by Laboute & Grandperrin [2000: 169] under the name *Scorpaenopsis* sp.)

Scorpaenopsis neglecta Heckel, 1837

Scorpaenopsis papuensis (Cuvier in Cuvier & Valenciennes, 1829) (Reported by Fourmanoir & Laboute [1976: 158] under the name *Scorpaenopsis cirrhosa*, and by other authors as *Scorpaenopsis oxycephala*)

Scorpaenopsis possi Randall & Eschmeyer, 2001

Scorpaenopsis ramaraoi Randall & Eschmeyer, 2001

Scorpaenopsis venosa (Cuvier in Cuvier & Valenciennes, 1829)

Scorpaenopsis vittapinna Randall & Eschmeyer, 2001 (Reported by Kulbicki *et al.* [1994: 17] under the name *Scorpaenopsis brevifrons*)

Sebastapistes cyanostigma (Bleeker, 1856) (Synonym: *Scorpaena albobrunnea* Günther, 1874)

Sebastapistes coniota Jenkins, 1903 (**New record** from New Caledonia based on SMNS 23749 from Lifou, Loyalty Islands)

Sebastapistes fowleri (Pietschmann, 1934)

Sebastapistes galactacma Jenkins, 1903 (**New record** from New Caledonia based on SMNS material from Lifou, Loyalty Islands)

Sebastapistes mauritiana (Cuvier, 1829)

Sebastapistes strongia (Cuvier, 1829) (Synonym: *Kantapus oglinus* Smith, 1947)

Sebastapistes tinkhami (Fowler, 1946)

Taenianotus triacanthus Lacepède, 1802

- SUBFAMILY TETRAROGINAE

Ablabys taenianotus (Cuvier in Cuvier & Valenciennes, 1829)

Ocosia apia Poss & Eschmeyer, 1975

Paracentropogon longispinis (Cuvier, 1829)

Richardsonichthys leucogaster (Richardson, 1848)

Tetraroge barbata (Cuvier, 1829)

- SUBFAMILY SYNANCEIINAE

Erosa erosa (Langsdorf in Cuvier & Valenciennes, 1829)

Inimicus caledonicus (Sauvage, 1878)

Inimicus didactylus (Pallas, 1769)

Minous monodactylus (Bloch & Schneider, 1801)

Minous pusillus Temminck & Schlegel, 1843

Minous trachycephalus (Bleeker, 1854)

Synanceia horrida (Linné, 1766)

Synanceia verrucosa (Bloch & Schneider, 1801)

CARACANTHIDAE

Caracanthus maculatus (Gray, 1831)

Caracanthus unipinna (Gray, 1831)

APLOACTINIDAE

Aploactis aspera (Richardson, 1844)

Cocotropus dermacanthus (Bleeker, 1852)

Cocotropus richeri Fricke, 2004

Erisphex pottii (Steindachner, 1896)

Neoaploactis tridorsalis Eschmeyer & Allen, 1978

Paraploactis sp. (Very similar to *Paraploactis kagioshimensis* from Japan and *P. obbesi* from Indonesia; specimens under study by Stuart G. Poss according to Randall [2005: 130])

Paraploactis trachyderma Bleeker, 1865

TRIGLIDAE

Pterygotrigla andertoni Waite, 1910 (Reported by Cerro & Lloris [1997: 15-117] under the name

Pterygotrigla picta)

Satyrichthys rieffeli (Kaup, 1859)

PLATYCEPHALIDAE

Records of *Papilloculiceps longiceps* (Ehrenberg in Cuvier & Valenciennes, 1829) by Rivaton *et al.* [1989: 61] and Rivaton & Bourret [1999: 50] are erroneous, as the species is restricted to the Red Sea and Western Indian Ocean.

Cociella crocodila (Tilesius, 1812)

Cymbacephalus beauforti (Knapp, 1973) (Reported by Whitley [1961: 64] under the name *Cociella crocodilus*)

Cymbacephalus staigeri (Castelnau, 1875)

Eurycephalus arenicola (Schultz, in Schultz, Woods & Lachner, 1966)

Eurycephalus otaitensis (Parkinson in Cuvier & Valenciennes, 1829)

Onigocia bimaculata Knapp, Imamura & Sakashita, 2000

Onigocia macrolepis (Bleeker, 1854)

Onigocia pedimacula (Regan, 1908) (Reported by several authors under the name *Onigocia spinosa*; records from New Caledonia need verification, may be based on *O. bimaculata*)

Rogadius patriciae Knapp, 1987

Rogadius pristiger (Cuvier in Cuvier & Valenciennes, 1829) (Reported by Rivaton *et al.* [1989: 61] under the name *Rogadius asper*)

Rogadius serratus (Cuvier in Cuvier & Valenciennes, 1829)

Rogadius welanderi (Schultz, in Schultz, Woods & Lachner, 1966) (Reported by Kulbicki *et al.* [1994: 18] under the name *Rogadius* sp.; **new record** from New Caledonia based on SMNS 21758 from Chesterfield Islands)

Thysanophrys celebicus (Bleeker, 1854)

Thysanophrys chiltonae Schultz, in Schultz, Woods & Lachner, 1966

AMBASSIDAE

Ambassis buruensis Bleeker, 1856

Ambassis interruptus Bleeker, 1852

Ambassis miops Günther, 1871

SYMPHYSANODONTIDAE

Symphysanodon maunaloae Anderson, 1970

SERRANIDAE

- SUBFAMILY ANTHIINAE

Caprodon schlegelii (Günther, 1859)

Luzonichthys waitei (Fowler, 1931) (Synonym: *Luzonichthys robustus* Fourmanoir, 1977)

Luzonichthys whitleyi (Smith, 1955)

Luzonichthys williamsi Randall & McCosker, 1992

Plectranthias sp. 1 (Undescribed species, based on SMNS material from Lifou, Loyalty Islands)

Plectranthias sp. 2 (Undescribed species, based on SMNS material from Lifou, Loyalty Islands)

Plectranthias fourmanoiri Randall, 1980

Plectranthias kamii Randall, 1980 (Reported by Rivaton *et al.* [1989: 70] under the name

Plectranthias anthioides)

Plectranthias kelloggi (Jordan & Evermann, 1903)

Plectranthias longimanus (Weber, 1913)

Plectranthias nanus Randall, 1980

Plectranthias randalli Fourmanoir & Rivaton, 1980

Plectranthias retrofasciatus Fourmanoir & Randall, 1979

Plectranthias rubrifasciatus Fourmanoir & Randall, 1979

Plectranthias wheeleri Randall, 1980 (**New record** from New Caledonia based on SMNS 24052 from Lifou, Loyalty Islands)

Plectranthias winniensis (Tyler, 1966)

Pseudanthias bicolor (Randall, 1979)

Pseudanthias carlsoni Randall & Pyle, 2001

Pseudanthias cichlops (Bleeker, 1853)

Pseudanthias cooperi (Regan, 1902) (Reported by Laboute & Grandperrin [2000: 203] under the name 'Anthiinae indéterminée 3')

Pseudanthias elongatus (Franz, 1910)

Pseudanthias flavicauda Randall & Pyle, 2001 (Reported by Laboute & Grandperrin [2000: 203] under the name Anthiinae indéterminée 2; **new record** for New Caledonia)

Pseudanthias hypselosoma (Bleeker, 1878)

Pseudanthias lori (Lubbock & Randall, 1976)

Pseudanthias pascalus (Jordan & Tanaka, 1927)

Pseudanthias pictilis (Randall & Allen, 1978)

Pseudanthias pleurotaenia (Bleeker, 1857)

Pseudanthias rubrizonatus (Randall, 1983)

Pseudanthias squamipinnis (Peters, 1855)

Pseudanthias ventralis ventralis (Randall, 1979)

Sacura margaritacea (Hilgendorf, 1879)

Serranocirrhitus latus Watanabe, 1949 (Synonym: *Dactylanthias mcmichaeli* Whitley, 1962)

- SUBFAMILY EPINEPHELINAE

- TRIBE EPINEPHELINI

A record of *Epinephelus corallicola* (Valenciennes in Cuvier & Valenciennes, 1828) by Plessis & Fourmanoir (1966: 127), and the record of *Epinephelus melanostigma* Schultz in Schultz, Herald, Lachner, Welander & Woods, 1953 and *Plectropomus areolatus* (Rüppell, 1830) by Rivaton *et al.* (1989: 69, 70) need verification.

Aethaloperca rogae (Forsskål in Niebuhr, 1775)

Anyperodon leucogrammicus (Valenciennes in Cuvier & Valenciennes, 1828)

Cephalopholis argus Bloch & Schneider, 1801

Cephalopholis aurantia (Valenciennes in Cuvier & Valenciennes, 1828)
Cephalopholis boenak (Bloch, 1790) (Reported by Fourmanoir & Laboute [1976: 52, 53] and other authors under the names *Cephalopholis formosanus* (non Shaw & Nodder, 1812) and *Cephalopholis pachycentron*)
Cephalopholis igarashiensis Katayama, 1957
Cephalopholis leopardus (Lacepède, 1801)
Cephalopholis microprius (Bleeker, 1852)
Cephalopholis miniata (Forsskål in Niebuhr, 1775)
Cephalopholis sonnerati (Valenciennes in Cuvier & Valenciennes, 1828)
Cephalopholis spiloparaea (Valenciennes in Cuvier & Valenciennes, 1828)
Cephalopholis urodeta (Forster in Bloch & Schneider, 1801)
Cromileptes altivelis (Valenciennes in Cuvier & Valenciennes, 1828)
Epinephelus areolatus (Forsskål in Niebuhr, 1775) (Synonym: *Serranus angularis* Valenciennes in Cuvier & Valenciennes, 1828)
Epinephelus coeruleopunctatus (Bloch, 1790) (Synonym: *Serranus hoevenii* Bleeker, 1849)
Epinephelus chlorostigma (Valenciennes in Cuvier & Valenciennes, 1828)
Epinephelus coioides (Hamilton, 1822) (Synonym: *Serranus suillus* Valenciennes in Cuvier & Valenciennes, 1828)
Epinephelus cyanopodus (Richardson, 1846) (Synonyms: *Serranus hoedtii* Bleeker, 1855; *Epinephelus kohleri* Schultz in Schultz *et al.*, 1953)
Epinephelus fasciatus (Forsskål in Niebuhr, 1775)
Epinephelus fuscoguttatus (Forsskål in Niebuhr, 1775) (Synonym: *Serranus horridus* Valenciennes in Cuvier & Valenciennes, 1828)
Epinephelus hexagonatus (Bloch & Schneider, 1801)
Epinephelus howlandi (Günther, 1873) (Reported by Whitley [1961: 64] under the name *Epinephelus corallicola*; synonym: *Epinephelus spilotes* Schultz in Schultz *et al.*, 1953)
Epinephelus lanceolatus (Bloch, 1790)
Epinephelus macrospilos (Bleeker, 1855)
Epinephelus maculatus (Bloch, 1790)
Epinephelus magniscuttis Postel, Fourmanoir & Guézé, 1963
Epinephelus malabaricus (Bloch & Schneider, 1801) (Reported by Borodin [1932: 79] under the name *Serranus stoliczkae* [non Day, 1875]; synonym: *Epinephelus cylindricus* Postel, 1965)
Epinephelus merra Bloch, 1793
Epinephelus morrhua (Valenciennes in Cuvier & Valenciennes, 1833)
Epinephelus ongus (Bloch, 1790) (Reported by several authors under the name *Epinephelus summana* [non Forsskål in Niebuhr, 1775])
Epinephelus polyphekadion (Bleeker, 1849) (Synonym: *Epinephelus microdon*)
Epinephelus retouti (Bleeker, 1868)
Epinephelus rivulatus (Valenciennes in Cuvier & Valenciennes, 1830) (Synonym: *Serranus rhyncholepis* Bleeker, 1852)
Epinephelus spilotoceps Schultz in Schultz, Herald, Lachner, Welander & Woods, 1953 (Reported by Laboute & Grandperrin [2000: 189] under the name *Epinephelus* sp.; **new record** from New Caledonia)
Epinephelus tauvina (Forsskål in Niebuhr, 1775)
Gracila albomarginata (Fowler & Bean, 1930)
Plectropomus laevis (Lacepède, 1802) (Synonym: *Plectropomus melanoleucus*)
Plectropomus leopardus (Lacepède, 1802) (Reported by Whitley [1961: 65] under the name *Plectropomus maculatus*)
Variola albimarginata Baissac, 1952
Variola louti (Forsskål in Niebuhr, 1775)
- TRIBE DIPLOPRIONI
Belonoperca chabanaudi Fowler & Bean, 1930
Diploprion bifasciatum Kuhl & Hasselt in Cuvier & Valenciennes, 1828
- TRIBE LIOPROPOMATINI
Liopropoma susumi (Jordan & Seale, 1906)
Liopropoma tonstrinum Randall & Taylor, 1988

- TRIBE GRAMMISTINI

Aporops bilinearis Schultz, 1943

Grammistes sexlineatus (Thunberg, 1792)

Grammistops ocellatus Schultz in Schultz, Herald, Lachner, Welander & Woods, 1953

Pogonoperca punctata (Valenciennes in Cuvier & Valenciennes, 1830)

Pseudogramma astignum Randall & Baldwin, 1997 (**New record** from New Caledonia based on SMNS material from Lifou, Loyalty Islands)

Pseudogramma polyacanthum polyacanthum (Bleeker, 1856)

Suttonia lineata Gosline, 1960

CALLANTHIIDAE

Callanthias australis Ogilby, 1900

Grammatonotus laysanus Gilbert, 1905

Grammatonotus surugaensis Katayama, Yamakawa & Suzuki, 1980

PSEUDOCHROMIDAE

Cypho purpurascens (DeVis, 1884) (Reported by Fourmanoir & Laboute [1976: 285] under the name *Pseudochromis mccullochi*, and by Laboute & Grandperrin [2000: 205] as 'Pseudochromidae indéterminée')

Ogilbyina salvati (Plessis & Fourmanoir, 1966) (Reported by Whitley [1961: 65] under the name *Pseudochromis novaehollandiae*)

Pictichromis coralensis Gill, 2004 (Reported by several authors under the name *Pseudochromis paccagnellae*)

Pseudochromis cyanotaenia Bleeker, 1857

Pseudochromis fuscus Müller & Troschel, 1849 (Synonym: *Pseudochromis aurea* Seale, 1910)

Pseudochromis jamesi Schultz, 1943

Pseudochromis kolythrus Gill & Winterbottom, 1993

Pseudochromis marshallensis Schultz in Schultz, Herald, Lachner, Welander & Woods, 1953

Pseudochromis tapeinosoma Bleeker, 1853

Pseudoplesiops howensis Allen, 1987

Pseudoplesiops immaculatus Gill & Edwards, 2002

Pseudoplesiops multisquamatus Allen, 1987

Pseudoplesiops rosae Schultz, 1943

PLESIOPIDAE

A record of *Plesiops corallicola* (Bleeker, 1853) by Rivaton *et al.* (1989: 61) needs verification

Assessor macneilli Whitley, 1935

Belonepterygion fasciolatum (Ogilby, 1889)

Callopleysiops altivelis (Steindachner, 1903)

Plesiops coeruleolineatus Rüppell, 1835 (Synonym: *Plesiops melas* Bleeker, 1849)

Plesiops insularis Mooi & Randall, 1991 (Reported by Rivaton *et al.* [1989: 61] under the name *Plesiops oxycephalus*)

Plesiops verecundus Mooi, 1995

OPISTHOGNATHIDAE

Opisthognathus sp. 1 (To be described by W.F. Smith-Vaniz)

Opisthognathus sp. 2 (To be described by W.F. Smith-Vaniz)

Stalix histrio Jordan & Snyder, 1902

BANJOSIDAE

Banjos banjos (Richardson, 1846)

PRIACANTHIDAE

Cookeolus japonicus (Cuvier, 1829)

Heteropriacanthus cruentatus (Lacepède, 1802)

Priacanthus hamrur (Forsskål in Niebuhr, 1775) (Synonym: *Priacanthus longipinnis* Borodin, 1932)

Priacanthus macracanthus Cuvier, 1829

Priacanthus sagittarius Starnes, 1988

Pristigenys nipponia (Cuvier, 1829)

APOGONIDAE

A record of *Ostorhinchus poecilopterus* Cuvier, 1828 by Rivaton *et al.* (1989) under the name *Apogon poecilopterus* needs verification.

Apogon amboinensis Bleeker, 1853

Apogon caudicinctus Randall & Smith, 1988

Apogon crassiceps Garman, 1903 (Reported by Plessis & Fourmanoir [1966: 128] under the name *Apogon erythrinus*, and by other authors under the name *Apogon coccineus*)

Apogon doryssa (Jordan & Seale, 1906)

Apogon ellioti Day, 1878

Apogon fasciatus (White, 1790)

Apogon gilberti (Jordan & Seale, 1905)

Apogon hyalosoma Bleeker, 1853

Apogon indicus Greenfield, 2001 (Reported by Kulbicki & Williams [1997: 14] under the name *Apogon erythrinus*)

Apogon melas Bleeker, 1848

Apogon notatus (Houttuyn, 1782)

Apogon noumeae Whitley, 1958

Apogon semiornatus Peters, 1876

Apogon susanae Greenfield, 2001

Apogon talboti Smith, 1961

Apogonichthys ocellatus (Weber, 1913)

Apogonichthys perdix Bleeker, 1854

Archamia fucata (Cantor, 1850)

Archamia leai Waite, 1916

Archamia macroptera (Cuvier in Cuvier & Valenciennes, 1828) (Reported by several authors under the name *Archamia lineolata* or *A. lineolatus*; **new record** from New Caledonia)

Archamia zosterophora (Bleeker, 1856)

Cercamia cladara Randall & Smith, 1988

Cheilodipterus artus Smith 1961

Cheilodipterus isostigmus (Schultz, 1940)

Cheilodipterus macrodon (Lacepède, 1802) (Reported by several authors under the name *Cheilodipterus lachneri*)

Cheilodipterus quinquelineatus Cuvier in Cuvier & Valenciennes, 1828

Cheilodipterus singaporensis Bleeker, 1859 (Synonym: *Cheilodipterus subulatus* Weber, 1909; **new record** from New Caledonia)

Foa fo Jordan & Seale, 1906 (Reported by several authors under the name *Foa brachygramma*, and by Laboute & Grandperrin [2000: 219] as 'Apogonidae indéterminé 1')

Fowleria aurita (Valenciennes, 1831)

Fowleria isostigma (Jordan & Seale, 1906)

Fowleria marmorata (Alleyne & Macleay, 1877)

Fowleria vaiulae (Jordan & Seale, 1906) (Synonym: *Fowleria abocellata* Goren & Karplus, 1980; reported by Laboute & Grandperrin [2000: 218] under the name *Fowleria* sp.)

Fowleria variegata (Valenciennes, 1832)

Gymnapogon philippinus (Herre, 1939)

Gymnapogon urospilotus Lachner in Schultz, Herald, Lachner, Welander & Woods, 1953

Neamia catalai (Fourmanoir, 1973)

Neamia octospina Smith & Radcliffe in Radcliffe, 1912

Ostorhinchus angustatus (Smith & Radcliffe, 1911)

Ostorhinchus apogonides (Bleeker, 1856)

Ostorhinchus aureus (Lacepède, 1802)

Ostorhinchus bandanensis (Bleeker, 1854) (Reported by Laboute & Grandperrin [2000: 216] under the name *Apogon* sp. 6)

Ostorhinchus capricornis (Allen & Randall, 1993)

Ostorhinchus compressus (Smith & Radcliffe in Radcliffe, 1911)

Ostorhinchus cookii (Macleay, 1881)

Ostorhinchus cyanosoma (Bleeker, 1853)
Ostorhinchus diversus (Smith & Radcliffe in Radcliffe 1912)
Ostorhinchus doederleini (Jordan & Snyder, 1901)
Ostorhinchus endekataenia (Bleeker, 1852)
Ostorhinchus euspilotus (Fraser, 2006)
Ostorhinchus flavus (Allen & Randall, 1993)
Ostorhinchus fuscus (Quoy & Gaimard, 1825)
Ostorhinchus guamensis (Bleeker, 1856) (Synonym: *Apogon nubilus* Garman, 1903; reported by Whitley [1961: 64] under the name *Aspiscis savayensis*, by Rivaton *et al.* [1989: 24] as *Apogon ocellatus*, and by Laboute & Grandperrin [2000: 219] as 'Apogonidae indéterminé 2')
Ostorhinchus kiensis (Jordan & Snyder, 1901) (Reported by Laboute & Grandperrin [2000: 215] under the name *Apogon* sp. 3)
Ostorhinchus lateralis (Valenciennes, 1832) (Synonym: *Apogon ceramensis* Bleeker, 1852)
Ostorhinchus nigrofasciatus (Lachner in Schultz, Herald, Lachner, Welander & Woods, 1953)
Ostorhinchus norfolcensis (Ogilby, 1888) (Reported by Laboute & Grandperrin [2000: 215] under the names *Apogon* sp. 2 and *Apogon* sp. 4)
Ostorhinchus novemfasciatus (Cuvier in Cuvier & Valenciennes, 1828)
Ostorhinchus rubrimacula (Randall & Kulbicki, 1988)
Ostorhinchus savayensis (Günther, 1872)
Ostorhinchus sealei (Fowler, 1918) (**New record** from New Caledonia based on SMNS material from southern Grande-Terre)
Ostorhinchus selas (Randall & Hayashi, 1990)
Ostorhinchus septemstriatus (Günther, 1880)
Ostorhinchus taeniophorus (Regan, 1905)
Pristiapogon exostigma (Jordan & Starks, 1906)
Pristiapogon fraenatus (Valenciennes, 1832)
Pristiapogon kallopterus (Bleeker, 1856) (Reported by Fourmanoir & Laboute [1976: 290] under the names *Apogon* sp. and *Apogon snyderi*; reported by Laboute & Grandperrin [2000: 216] under the name *Apogon* sp. 7)
Pristiapogon taeniopterus (Bennett, 1835)
Pristicon trimaculatus (Cuvier in Cuvier & Valenciennes, 1828) (Reported by Rivaton *et al.* [1989:24] under the names *Apogon taeniatus* and *A. koilomatodon*)
Pseudamia gelatinosa Smith, 1955 (Reported by Laboute & Grandperrin [2000: 218] under the name *Pseudamia* sp.)
Pseudamia zonata Randall, Lachner & Fraser, 1985
Pseudamiops gracilicauda (Lachner in Schultz, Herald, Lachner, Welander & Woods, 1953)
Rhabdamia cypselura Weber, 1909 (Reported by Laboute & Grandperrin [2000: 66] under the name 'Apogonidae indéterminé')
Rhabdamia gracilis (Bleeker, 1856)
Siphamia versicolor (Smith & Radcliffe, 1909) (Reported by Laboute & Grandperrin [2000: 218] under the name *Siphamia* sp.)
Sphaeramia nematoptera (Bleeker, 1856)
Sphaeramia orbicularis (Kuhl & Hasselt in Cuvier & Valenciennes, 1828)
Zoramia fragilis (Smith, 1961) (Reported by Laboute & Grandperrin [2000: 215] under the name *Apogon* sp. 1)
Zoramia leptacantha (Bleeker, 1856) (reported by several authors under the name *Apogon graeffei*)

SILLAGINIDAE

Sillago ciliata Cuvier in Cuvier & Valenciennes, 1829 (Synonym: *Sillago insularis* Castelnau, 1873)
Sillago sihama (Forsskål in Niebuhr, 1775)

MALACANTHIDAE

Branchiostegus wardi Whitley, 1932
Hoplolatilus chlupaty Klauswitz, McCosker, Randall & Zetzsche, 1978
Hoplolatilus cuniculus Randall & Dooley, 1974
Hoplolatilus fronticinctus Günther, 1887
Hoplolatilus starcki Randall & Dooley, 1974

Malacanthus brevirostris Guichenot, 1848 (Synonyms: *Malacanthus hoedti* Bleeker, 1859;

Dikellorhynchus incredibilis Smith, 1956)

Malacanthus latovittatus (Lacepède, 1802)

CORYPHAENIDAE

Coryphaena equiselis Linnaeus, 1758

Coryphaena hippurus Linnaeus, 1758

ECHENEIDAE

Echeneis naucrates Linnaeus, 1758

Phtheichthys lineata (Menziès, 1791)

Remora osteochir (Cuvier, 1829)

Remorina albescent (Temminck & Schlegel, 1845)

CARANGIDAE

Records of *Carangoides malabaricus* (Bloch & Schneider, 1801) by Jouan (1879: 334), *Trachinotus rhomboides* by Borodn (1932: 77) of *Caranx malabaricus* and of *Decapterus macrosoma* Bleeker, 1951 by Rivaton *et al.* [1989: 31] needs verification.

Alectis ciliaris (Bloch, 1787) (Reported by several authors under the name *Alectis indicus*)

Alepes apercna Smith-Vaniz in Grant, 1987 (Reported by Fourmanoir & Laboute [1976: 176] under the name *Alepes kalla*, and by several authors under the name *Alepes djeddaba*)

Alepes vari (Cuvier, 1833)

Atule mate (Cuvier in Cuvier & Valenciennes, 1833)

Carangoides coeruleopinnatus (Rüppell, 1830) (Synonyms: *Carangoides caeruleopinnatus*; *Carangoides uii*)

Carangoides chrysophrys (Cuvier in Cuvier & Valenciennes, 1833)

Carangoides dinema Bleeker, 1851

Carangoides ferdau (Forsskål in Niebuhr, 1775) (Synonym: *Carangoides gilberti*)

Carangoides fulvoguttatus (Forsskål in Niebuhr, 1775) (Synonym: *Carangoides emburyi*)

Carangoides gymnostethus (Cuvier in Cuvier & Valenciennes, 1833)

Carangoides hedlandensis (Whitley, 1934) (Reported by Fourmanoir [1971: 113] under the name *Caranx armatus*).

Carangoides orthogrammus Jordan & Gilbert, 1881

Carangoides plagiotaenia (Bleeker, 1857)

Caranx ignobilis (Forsskål in Niebuhr, 1775)

Caranx lugubris Poey, 1860

Caranx melampygus Cuvier in Cuvier & Valenciennes, 1833

Caranx papuensis Alleyne & Macleay, 1877 (Synonym: *Caranx celetus* Smith, 1968)

Caranx sexfasciatus (Quoy & Gaimard, 1824) (Reported by Plessis & Fourmanoir [1966: 129] under the name *Caranx hippos*)

Caranx tille Cuvier, 1833

Decapterus macarellus (Valenciennes in Cuvier & Valenciennes, 1833)

Decapterus muroadsi (Temminck & Schlegel, 1844)

Decapterus russelli (Rüppell, 1829) (Synonym: *Decapterus lajang* Bleeker, 1855)

Decapterus tabl Berry, 1967

Elagatis bipinnulata (Quoy & Gaimard, 1825)

Gnathanodon speciosus (Forsskål in Niebuhr, 1775)

Megalaspis cordyla (Linnaeus, 1758)

Naucrates ductor (Linnaeus, 1758)

Pseudocaranx dentex (Bloch & Schneider, 1801) (Synonym: *Carangoides georgianus*)

Scomberoides commersonnianus Lacepède, 1801

Scomberoides lysan (Forsskål in Niebuhr, 1775)

Scomberoides tol (Cuvier in Cuvier & Valenciennes, 1832)

Selar boops (Cuvier in Cuvier & Valenciennes, 1833)

Selar crumenophthalmus (Bloch, 1793)

Seriola dumerili (Risso, 1810)

Seriola lalandi Valenciennes in Cuvier & Valenciennes, 1833 (Synonym: *Seriola aureovittata*)

Seriola rivoliana Valenciennes in Cuvier & Valenciennes, 1833

Trachinotus anak Ogilby, 1909

Trachinotus baillonii (Lacepède, 1801)

Trachinotus blochii (Lacepède, 1801)

Uraspis uraspis (Günther, 1860)

MENIDAE

A record of *Mene maculata* (Bloch & Schneider, 1801) by Rivaton *et al.* (1989: 52) needs verification.

LEIOGNATHIDAE

A record of *Leiognathus lineolatus* (Valenciennes in Cuvier & Valenciennes, 1835) by Rivaton *et al.* (1989: 48) needs verification.

Gazza minuta (Bloch, 1795) (Synonym: *Gazza equulaeformis* Rüppell, 1835)

Leiognathus bindus (Valenciennes in Cuvier & Valenciennes, 1835)

Leiognathus equulus (Forsskål in Niebuhr, 1775)

Leiognathus fasciatus (Lacepède, 1803)

Leiognathus leuciscus (Günther, 1860)

Leiognathus splendens (Cuvier, 1829)

Photoplagios rivulatus (Temminck & Schlegel, 1845)

Secutor insidiator (Bloch, 1787)

Secutor ruconius (Hamilton Buchanan, 1822)

BRAMIDAE

Brama dussumieri Cuvier, 1831

Brama myersi Mead, 1972

Brama orcini Cuvier in Cuvier & Valenciennes, 1831 (Synonym: *Collybus drachme*)

Pteraclis aesticola (Jordan & Snyder, 1901)

Pterycombus petersii (Hilgendorf, 1878)

Taractes asper Lowe, 1843

Taractes rubescens (Jordan & Jordan, 1887)

Taractichthys steindachneri (Döderlein, 1883) (Reported by several authors under the name

Taractichthys longipinnis)

EMMELICHTHYIDAE

Emmelichthys nitidus nitidus Richardson, 1845

Erythrocles taeniatus Randall & Rivaton, 1992 (Reported by several authors under the name *Erythrocles schlegelii*)

LUTJANIDAE

Records of *Lutjanus erythropterus* Bloch, 1790 and *Paracaesio gonzalezi* Fourmanoir & Rivaton, 1979 by Rivaton *et al.* (1989: 49) need verification.

Aphareus furca (Lacepède, 1801)

Aphareus rutilans Cuvier in Cuvier & Valenciennes, 1830

Aprion virescens Valenciennes in Cuvier & Valenciennes, 1830

Etelis carbunculus Cuvier in Cuvier & Valenciennes, 1828

Etelis coruscans Valenciennes, 1862 (Synonym: *Etelis oculatus lifuensis* Fourmanoir, 1971)

Etelis radiosus Anderson, 1981

Lutjanus adetii (Castelnau, 1873) (Synonyms: *Lutjanus amabilis*; *Lutjanus parvavitta* Postel, 1965)

Lutjanus argentimaculatus (Forsskål in Niebuhr, 1775)

Lutjanus bohar (Forsskål in Niebuhr, 1775)

Lutjanus fulviflamma (Forsskål in Niebuhr, 1775)

Lutjanus fulvus (Bloch & Schneider, 1801)

Lutjanus fuscescens (Valenciennes in Cuvier & Valenciennes, 1830)

Lutjanus gibbus (Forsskål in Niebuhr, 1775)

Lutjanus kasmira (Forsskål in Niebuhr, 1775)

Lutjanus lutjanus (Bloch, 1790) (Reported by Fourmanoir & Laboute [1976: 76] under the name

Lutjanus lineolatus)

Lutjanus malabaricus (Bloch & Schneider, 1801)

Lutjanus monostigma (Cuvier in Cuvier & Valenciennes, 1828)

Lutjanus quinquelineatus Bloch, 1790

Lutjanus rivulatus (Cuvier in Cuvier & Valenciennes, 1828)

Lutjanus rufolineatus (Valenciennes in Cuvier & Valenciennes, 1830) (Reported by several authors under the name *Lutjanus bouton*; **new record** from New Caledonia)

Lutjanus russelli (Bleeker, 1849)
Lutjanus sebae (Cuvier, 1816)
Lutjanus semicinctus Quoy & Gaimard, 1824
Lutjanus vitta (Quoy & Gaimard, 1824)
Macolor macularis Fowler, 1931
Macolor niger (Forsskål in Niebuhr, 1775)
Paracaesio caerulea (Katayama, 1934)
Paracaesio kusakarii Abe, 1960
Paracaesio sordida Abe & Shinohara, 1962
Paracaesio xanthura (Bleeker, 1869)
Pristipomoides argyrogrammicus (Valenciennes, 1831)
Pristipomoides filamentosus (Valenciennes in Cuvier & Valenciennes, 1830)
Pristipomoides flavipinnis Shinohara, 1963
Pristipomoides multidentatus (Day, 1870) (Reported by several authors under the name *Pristipomoides typus*)
Pristipomoides zonatus (Valenciennes in Cuvier & Valenciennes, 1830)
Symphoricarthus spilurus (Günther, 1874)
Symphorus nematophorus (Bleeker, 1860)

CAESIONIDAE

Caesio caerulea Lacepède, 1802
Caesio cuning (Bloch, 1791) (Synonym: *Caesio erythrogaster* Cuvier in Cuvier & Valenciennes, 1830)
Caesio lunaris Ehrenberg & Cuvier in Cuvier & Valenciennes, 1830
Caesio teres Seale, 1906 (Synonym: *Caesio pulcherrimus*; reported by Rivaton *et al.* [1989: 30] under the name *Caesio xanthonota*)
Dipteronotus balteatus (Valenciennes in Cuvier & Valenciennes, 1830)
Gymnocaesio gymnoptera (Bleeker, 1856)
Pterocaesio chrysozona (Cuvier in Cuvier & Valenciennes, 1830)
Pterocaesio digramma (Bleeker, 1865)
Pterocaesio marri Schultz in Schultz, Herald, Lachner, Welander & Woods, 1953 (Reported by Laboute & Grandperrin [2000: 259] under the name *Pterocaesio* sp. 1)
Pterocaesio pisang (Bleeker, 1853)
Pterocaesio tessellata Carpenter, 1987
Pterocaesio tile (Cuvier in Cuvier & Valenciennes, 1830)
Pterocaesio trilineata Carpenter, 1987

LOBOTIDAE

Lobotes surinamensis (Bloch, 1790)

GERREIDAE

Gerres filamentosus Cuvier, 1829
Gerres longirostris (Lacepède, 1801) (Synonym: *Gerres acinaces*)
Gerres oblongus Cuvier in Cuvier & Valenciennes, 1830 (Synonym: *Gerres macrosoma*)
Gerres ovatus Günther, 1859
Gerres oyena (Forsskål in Niebuhr, 1775) (Synonym: *Gerres argyreus*)

HAEMULIDAE

Diagramma pictum (Thunberg, 1792) (Reported by Borodin [1932: 83] under the name *Diagramma punctatum*)
Plectorhinchus albobittatus (Rüppell, 1835) (Synonym: *Plectorhinchus harrawayi*, taxonomic decision of Randall & Johnson ([2000: 479])).
Plectorhinchus chaetodonoides Lacepède, 1800
Plectorhinchus chrysotaenia (Bleeker, 1855)
Plectorhinchus flavomaculatus (Ehrenberg in Cuvier & Valenciennes, 1830) (Reported by Whitley [1961: 65] under the name *Plectorhinchus roughleyi*)
Plectorhinchus gibbosus (Lacepède, 1802)
Plectorhinchus lessonii (Cuvier in Cuvier & Valenciennes, 1830) (Reported by Rivaton *et al.* [1989: 43] under the name *Plectorhinchus diagrammus*)
Plectorhinchus lineatus (Linnaeus, 1758) (Synonym: *Plectorhinchus goldmanni*)

Plectorhinchus obscurus (Günther, 1871)
Plectorhinchus picus (Cuvier in Cuvier & Valenciennes, 1830)
Plectorhinchus vittatus (Linnaeus, 1758) (Synonym: *Plectorhinchus orientalis*)
Pomadasys argenteus (Forsskål in Niebuhr, 1775) (Synonym: *Pomadasys hasta*; reported by Borodin [1932: 83] under the name *Pristipoma operculare*)

NEMIPTERIDAE

A record of *Parascopopsis inermis* (Temminck & Schlegel, 1843) from New Caledonia by Rivaton *et al.* (1989: 57) needs verification.

Nemipterus balinensoides (Popta, 1918) (Reported by Borodin [1932: 84] under the name *Synagris striatus*)
Nemipterus furcosus (Valenciennes in Cuvier & Valenciennes, 1830) (Reported by Laboute & Grandperrin [2000: 274, 275] under the name *Nemipterus peronii*)
Nemipterus peronii (Valenciennes in Cuvier & Valenciennes, 1830) (Synonym: *Dentex tolu*)
Nemipterus zysron (Bleeker, 1856) (Synonym: *Nemipterus metopias*)
Pentapodus aureofasciatus Russell, 2001 (Reported by various authors under the names *Pentapodus microdon* [non Bleeker, 1853] and *Pentapodus nagasakiensis* [non Tanaka, 1915])
Pentapodus caninus (Cuvier in Cuvier & Valenciennes, 1830) (Synonym: *Pentapodus macrurus*)
Pentapodus paradiseus (Günther, 1859)
Scolopsis affinis Peters, 1877 (Reported by Fourmanoir [1971: 112] under the name *Scolopsis personatus*)
Scolopsis bilineata (Bloch, 1793) (Reported by Whitley [1961: 65] under the name *Scolopsis cancellatus*)
Scolopsis ciliata (Lacepède, 1802)
Scolopsis lineatus Quoy & Gaimard, 1824
Scolopsis taeniopterus (Kuhl & Hasselt in Cuvier & Valenciennes, 1830)
Scolopsis temporalis (Cuvier in Cuvier & Valenciennes, 1830) (Reported by Randall, Allen & Steene [1997: 207] under the name *Scolopsis monogramma* [part]).
Scolopsis trilineatus Kner, 1868

LETHRINIDAE

Gnathodentex aureolineatus (Lacepède, 1802)
Gymnocranius sp. (Undescribed species, reported by several authors under the name *Gymnocranius lethrinoides* [non Bleeker, 1850])
Gymnocranius audleyi Ogilby, 1916 (Synonym: *Gymnocranius bitorquatus*)
Gymnocranius elongatus Senta, 1973
Gymnocranius euanus Günther, 1879 (Synonym: *Gymnocranius japonicus* Akazaki, 1961)
Gymnocranius grandoculis (Valenciennes in Cuvier & Valenciennes, 1830) (Synonym: *Gymnocranius rivulatus*; reported by Kulbicki [1988: 306] under the name *Gymnocranius robertsi*)
Lethrinus atkinsoni (Seale, 1909) (Reported by several authors under the name *Lethrinus mahsena*; reported by Laboute & Grandperrin [2000: 272] under the name *Lethrinus* sp.)
Lethrinus erythracanthus Valenciennes in Cuvier & Valenciennes, 1830 (Synonym: *Lethrinus kallopterus* Bleeker, 1856)
Lethrinus genivittatus Valenciennes in Cuvier & Valenciennes, 1830 (Frequently used synonym: *Lethrinus nematacanthus*)
Lethrinus harak (Forsskål in Niebuhr, 1775) (Reported by Whitley [1961: 64] under the name *Lethrinus glyphodon*)
Lethrinus laticaudis Alleyne & Macleay, 1877 (Synonym: *Lethrinus anarhynchus* Postel, 1965)
Lethrinus lentjan (Lacepède, 1802)
Lethrinus miniatus (Forster in Bloch & Schneider, 1801) (Synonym: *Lethrinus chrysostomus* Richardson, 1848)
Lethrinus nebulosus (Forsskål in Niebuhr, 1775) (Reported by Borodin [1932: 83] under the name *Lethrinus hematopterus* [non Temminck & Schlegel, 1844])
Lethrinus obsoletus (Forsskål in Niebuhr, 1775) (Synonym: *Lethrinus ramak*)
Lethrinus olivaceus Valenciennes in Cuvier & Valenciennes, 1830 (Synonym: *Lethrinus rostratus* Valenciennes in Cuvier & Valenciennes, 1830)
Lethrinus ravus Carpenter & Randall, 2003
Lethrinus rubrioperculatus Sato, 1978

Lethrinus semicinctus Valenciennes in Cuvier & Valenciennes, 1830
Lethrinus variegatus Ehrenberg in Valenciennes in Cuvier & Valenciennes, 1830
Lethrinus xanthochilus Klunzinger, 1870
Monotaxis grandoculis (Forsskål in Niebuhr, 1775)
Monotaxis heterodon (Bleeker, 1854)
Wattsia mossambica (Smith, 1957)

SPARIDAE

Acanthopagrus berda (Forsskål in Niebuhr, 1775)

POLYNEMIDAE

Eleutheronema tetradactylum (Shaw, 1804)
Polydactylus microstomus (Bleeker, 1851)
Polydactylus plebeius (Broussonet, 1782)
Polydactylus sexfilis (Valenciennes in Cuvier & Valenciennes, 1831)

MULLIDAE

A record of *Mulloidichthys pfluegeri* (Steindachner, 1901) from New Caledonia by Rivaton *et al.* (1989: 53) under the name *Mulloides pfluegeri* needs verification.

Mulloidichthys flavolineatus (Lacepède, 1801) (Synonym: *Mulloides samoensis*)
Mulloidichthys vanicolensis (Valenciennes in Cuvier & Valenciennes, 1831)
Parupeneus barberinoides (Bleeker, 1852)
Parupeneus barberinus (Lacepède, 1801)
Parupeneus ciliatus (Lacepède, 1801) (Reported by Fourmanoir & Laboute [1976: 199] under the name *Parupeneus porphyreus*, and by several authors under the name *Parupeneus dispilurus* or *Parupeneus dispirilus*)
Parupeneus crassilabris (Valenciennes in Cuvier & Valenciennes, 1831) (Reported by several authors under the name *Parupeneus bifasciatus*)
Parupeneus cyclostomus (Lacepède, 1802) (Synonym: *Parupeneus chryserydros*)
Parupeneus heptacanthus (Lacepède, 1801) (Synonym: *Parupeneus pleurospilos*; reported by Borodin [1932: 84] under the name *Upeneus cinnaborinus*)
Parupeneus indicus (Shaw, 1803) (Reported by Whitley [1961: 65] under the name *Pseudupeneus filamentosus*)
Parupeneus multifasciatus (Quoy & Gaimard, 1824) (Reported by several authors under the name *Parupeneus trifasciatus*)
Parupeneus pleurostigma (Bleeker, 1853)
Parupeneus spilurus (Bleeker, 1854) (Synonyms: *Parupeneus signatus*; *Pseudupeneus jeffi* Ogilby, 1908; reported by several authors under the name *Parupeneus signatus* [Günther, 1867], with the latter name considered as valid for the New Caledonian populations by Kuiter [1993], which was not accepted by subsequent authors like Randall [2005: 299])
Upeneus australiae Kim & Nakaya, 2002
Upeneus filifer (Ogilby, 1910)
Upeneus moluccensis (Bleeker, 1855)
Upeneus mouthami Randall & Kulbicki, 2005
Upeneus sulphureus Cuvier in Cuvier & Valenciennes, 1829 (Reported by Rivaton *et al.* [1989: 53] under the name *Upeneus bensasi*)
Upeneus tragula Richardson, 1845
Upeneus vittatus Lacepède, 1801

PEMPHERIDAE

Parapriacanthus dispar (Herre, 1935)
Parapriacanthus marei Fourmanoir, 1971
Parapriacanthus ransonneti Steindachner, 1870 (Reported by Fourmanoir & Laboute [1976: 292-293] under the name *Parapriacanthus beryciformes*)
Pempheris oualensis Cuvier in Cuvier & Valenciennes, 1831 (Synonym: *Pempheris otaitensis*)
Pempheris schwenkii Bleeker, 1855

MONODACTYLIDAE

Monodactylus argenteus (Linnaeus, 1758)

KYPHOSIDAE

Kyphosus cinerascens (Forsskål in Niebuhr, 1775)

Kyphosus pacificus Sakai & Nakabo, 2004 (Reported by several authors from Grande Terre under the name *Kyphosus bigibbus*; reported by Laboute & Grandperrin [2000: 288] under the name *Kyphosus* sp. 1; **new record** from New Caledonia)

Kyphosus sydneyanus (Günther, 1886) (Reported by Laboute & Grandperrin [2000: 289] under the name *Kyphosus* sp. 2)

Kyphosus vaigiensis (Quoy & Gaimard, 1825)

Microcanthus strigatus (Cuvier in Cuvier & Valenciennes, 1831)

DREPANIDAE

Drepane punctata (Linnaeus, 1758)

CHAETODONTIDAE

Amphichaetodon howensis (Waite, 1903)

Chaetodon auriga Forsskål in Niebuhr, 1775

Chaetodon baronessa Cuvier in Cuvier & Valenciennes, 1831

Chaetodon bennetti Cuvier in Cuvier & Valenciennes, 1831

Chaetodon citrinellus Cuvier in Cuvier & Valenciennes, 1831

Chaetodon ephippium Cuvier in Cuvier & Valenciennes, 1831

Chaetodon flavirostris Günther, 1874

Chaetodon guentheri Ahl, 1923

Chaetodon kleinii Bloch, 1790

Chaetodon lineolatus Cuvier in Cuvier & Valenciennes, 1831

Chaetodon lunula (Lacepède, 1802)

Chaetodon lunulatus Quoy & Gaimard, 1825 (Reported by several authors under the name

Chaetodon trifasciatus)

Chaetodon melannotus Bloch & Schneider, 1801

Chaetodon mertensii Cuvier in Cuvier & Valenciennes, 1831 (Reported by Whitley [1961: 64]

under the name *Chaetodon dixsoni*)

Chaetodon meyeri Bloch & Schneider, 1801

Chaetodon ornatissimus Cuvier in Cuvier & Valenciennes, 1831

Chaetodon pelewensis Kner, 1868

Chaetodon plebeius Cuvier in Cuvier & Valenciennes, 1831

Chaetodon rafflesii Bennett, 1830

Chaetodon reticulatus Cuvier in Cuvier & Valenciennes, 1831

Chaetodon semeion Bleeker, 1855

Chaetodon speculum Cuvier in Cuvier & Valenciennes, 1831

Chaetodon trifascialis (Quoy & Gaimard, 1824)

Chaetodon ulietensis Cuvier in Cuvier & Valenciennes, 1831 (Reported by Plessis & Fourmanoir [1966: 130] under the name *Chaetodon falcula*):

Chaetodon unimaculatus Bloch, 1787

Chaetodon vagabundus Linnaeus, 1758

Coradion altivelis McCulloch, 1916

Forcipiger flavissimus Jordan & McGregor, 1898

Forcipiger longirostris (Broussonet, 1782)

Hemitaurichthys polylepis (Bleeker, 1857) (Reported by Whitley [1961: 64] under the name

Hemitaurichthys zoster)

Heniochus acuminatus (Linnaeus, 1758)

Heniochus chrysostomus Cuvier in Cuvier & Valenciennes, 1831 (Reported by Whitley [1961: 64] and Fourmanoir & Laboute [1976: 228-229] under the name *Heniochus permutatus*)

Heniochus monoceros Cuvier in Cuvier & Valenciennes, 1831

Heniochus singularius Smith & Radcliffe, 1911

Heniochus varius (Cuvier in Cuvier & Valenciennes, 1829)

Prognathodes guyotensis (Yamamoto & Tameka in Okamura *et al.*, 1982)

POMACANTHIDAE

- Apolemichthys trimaculatus* (Cuvier in Cuvier & Valenciennes, 1831)
Centropyge bicolor (Bloch, 1787)
Centropyge bispinosa (Günther, 1860)
Centropyge flavicauda Fraser-Brunner, 1933
Centropyge flavissima (Cuvier in Cuvier & Valenciennes, 1831)
Centropyge heraldi Woods & Schultz in Schultz, Herald, Lachner, Welander & Woods, 1953
Centropyge loricula (Günther, 1874)
Centropyge multifasciata (Smith & Radcliffe, 1911)
Centropyge nigriocella Woods & Schultz in Schultz, Herald, Lachner, Welander & Woods, 1953
Centropyge nox (Bleeker, 1853)
Centropyge tibicen (Cuvier in Cuvier & Valenciennes, 1831)
Centropyge vrolikii (Bleeker, 1853)
Chaetodontoplus conspicillatus (Waite, 1900)
Genicanthus melanospilos (Bleeker, 1857)
Genicanthus watanabei (Yasuda & Tominaga, 1970)
Pomacanthus annularis (Bloch, 1787)
Pomacanthus imperator (Bloch, 1787)
Pomacanthus semicirculatus (Cuvier in Cuvier & Valenciennes, 1831)
Pomacanthus sexstriatus (Cuvier in Cuvier & Valenciennes, 1831)
Pomacanthus xanthurus (Bleeker, 1853)
Pygoplites diacanthus (Boddaert, 1772)

PENTACEROTIDAE

- Evistias acutirostris* (Temminck & Schlegel, 1844)
Pentaceros decacanthus Günther, 1883
Pseudopentaceros richardsoni (Smith, 1849)

TERAPONIDAE

- Mesopristes kneri* (Bleeker, 1873)
Terapon jarbua (Forsskål in Niebuhr, 1775) (Synonym: *Therapon servus*)
Terapon theraps (Cuvier in Cuvier & Valenciennes, 1829)

KUHLIIDAE

- Kuhlia marginata* (Cuvier in Cuvier & Valenciennes, 1829)
Kuhlia mugil (Forster in Bloch & Schneider, 1801)
Kuhlia munda (De Vis, 1885) (Synonym: *Kuhlia humilis*)
Kuhlia rupestris (Lacepède, 1802)

CIRRHITIDAE

- Amblycirrhitus bimacula* (Jenkins, 1903)
Cirrhitichthys falco Randall, 1963
Cirrhitichthys oxycephalus (Bleeker, 1855)
Cirrhitus pinnulatus (Forster in Bloch & Schneider, 1801)
Cyprinocirrhites polyactis (Bleeker, 1875)
Neocirrhites armatus Castelnau, 1873 (**New record** from New Caledonia based on AMS IB.7081 from southern Grande-Terre)
Oxycirrhites typus Bleeker, 1857
Paracirrhites arcatus (Parkinson in Cuvier & Valenciennes, 1829)
Paracirrhites forsteri (Bloch & Schneider, 1801)
Paracirrhites hemistictus (Günther, 1874)

CHEILODACTYLIDAE

- Goniistius francisi* (Burrige, 2004) (Reported from New Caledonia by authors under the name *Cheilodactylus vittatus*)
Goniistius vestitus (Castelnau, 1878) (Reported from New Caledonia by authors under the name *Cheilodactylus gibbosus*, or *Goniistius gibbosus*)

CICHLIDAE

- Oreochromis mossambicus* (Peters, 1852) (Introduced species)

POMACENTRIDAE

A record of *Amblyglyphidodon ternatensis* (Bleeker, 1853) from New Caledonia by Rivaton *et al.* (1989: 62), and records of *Amblypomacentrus breviceps* (Schlegel & Müller, 1839) (under the name *Pomacentrus breviceps*), *Chromis elerae* Fowler & Bean, 1928 and *Chrysiptera unimaculata* (Cuvier in Cuvier & Valenciennes, 1830) (under the name *Abudefduf unimaculatus*) from Nouméa by Borodin (1932: 92, 93), need verification. Kulbicki & Williams (1997: 19) recorded *Stegastes* cf. *apicalis* from Ouvéa, Loyalty Islands; this also needs verification.

Abudefduf septemfasciatus (Cuvier in Cuvier & Valenciennes, 1830)

Abudefduf sexfasciatus (Lacepède, 1801) (Synonym: *Glyphisodon coelestinus* Cuvier in Cuvier & Valenciennes, 1830)

Abudefduf sordidus (Forsskål in Niebuhr, 1775) (Synonym: *Glyphidodon leucopleura* Day, 1877)

Abudefduf vaigiensis (Quoy & Gaimard, 1825) (Reported by Rivaton *et al.* [1989: 62] under the name *Abudefduf saxatilis*)

Abudefduf whitleyi Allen & Robertson, 1974

Amblyglyphidodon aureus (Cuvier in Cuvier & Valenciennes, 1830)

Amblyglyphidodon curacao (Bloch, 1787)

Amblyglyphidodon leucogaster (Bleeker, 1847)

Amblyglyphidodon orbicularis (Hombron & Jacquinot, 1853) (Reported by Laboute & Grandperrin [2000: 318] from New Caledonia under the name *Amblyglyphidodon* sp.)

Amphiprion akindynos Allen, 1972

Amphiprion chrysopterus Cuvier in Cuvier & Valenciennes, 1830 (**New record** from New Caledonia based on SMNS material from Maré, Loyalty Islands)

Amphiprion clarkii (Bennett, 1830) (Reported by Whitley [1961: 64] under the name *Amphiprion bicinctus*)

Amphiprion melanopus Bleeker, 1852 (Reported by Whitley [1961: 64] and subsequent authors under the name *Amphiprion ephippium*)

Amphiprion perideraion Bleeker, 1855

Amphiprion tricinctus Schultz & Welander in Schultz, 1953 (Reported by several authors from the northern lagoon of Grande-Terre and îles Bélep)

Cheiloprion labiatus (Day, 1877) (Reported by Rivaton *et al.* [1989: 63] on the basis of specimen MNHN 1980-0347 from Grande-Terre)

Chromis acares Randall & Swerdloff, 1973

Chromis agilis Smith, 1960

Chromis alpha Randall, 1988

Chromis amboinensis (Bleeker, 1873)

Chromis analis (Cuvier in Cuvier & Valenciennes, 1830)

Chromis atripectoralis Welander & Schultz, 1951

Chromis atripes Fowler & Bean, 1928

Chromis caudalis Randall, 1988

Chromis chrysur (Bliss, 1883)

Chromis flavomaculata Kamohara, 1960 (Synonym: *Chromis kennensis* Whitley, 1964)

Chromis fumea (Tanaka, 1917)

Chromis iomelas Jordan & Seale, 1906

Chromis lepidolepis Bleeker, 1877

Chromis leucura Gilbert, 1905

Chromis margaritifera Fowler, 1946

Chromis mirationis Tanaka, 1917

Chromis nitida (Whitley, 1928)

Chromis notata (Temminck & Schlegel, 1843)

Chromis retrofasciata Weber, 1913

Chromis ternatensis (Bleeker, 1856) [*Chromis caerulea* (Cuvier in Cuvier & Valenciennes, 1830) is the senior synonym, but was suppressed by the International Commission on Zoological Nomenclature, Opinion 1563]

Chromis vanderbilti (Fowler, 1941)

Chromis viridis (Cuvier in Cuvier & Valenciennes, 1830)

Chromis weberi Fowler & Bean, 1928
Chromis xanthochira (Bleeker, 1851)
Chromis xanthura (Bleeker, 1854)
Chrysiptera biocellata (Quoy & Gaimard, 1825) (Synonym: *Glyphisodon zonatus* Cuvier in Cuvier & Valenciennes, 1830)
Chrysiptera brownriggii (Bennett, 1828) (Synonym: *Chrysiptera leucopoma*; reported from Baie de Saint-Vincent/Grande-Terre by Plessis & Fourmanoir [1966: 134] under the name *Pomacentrus albofasciatus*)
Chrysiptera cyanea (Quoy & Gaimard, 1825) (Synonym: *Glyphisodon uniocellatus* Quoy & Gaimard, 1825)
Chrysiptera flavipinnis (Allen & Robertson, 1974)
Chrysiptera glauca (Cuvier in Cuvier & Valenciennes, 1830)
Chrysiptera notialis (Allen, 1975)
Chrysiptera rex (Snyder, 1909)
Chrysiptera rollandi (Whitley, 1961)
Chrysiptera starcki (Allen, 1973)
Chrysiptera talboti (Allen, 1975) (**New record** from New Caledonia based on SMNS 21623 from Maré, Loyalty Islands)
Chrysiptera taupou (Jordan & Seale, 1906)
Chrysiptera tricineta (Allen & Randall, 1974)
Dascyllus aruanus (Linnaeus, 1758)
Dascyllus flavicaudus Randall & Allen, 1977 (**New record** from New Caledonia based on SMNS 24048 from Grand Récif Sud)
Dascyllus melanurus Bleeker, 1854
Dascyllus reticulatus (Richardson, 1846) (Reported by Whitley [1961: 65] under the name *Pellochromis marginatus*)
Dascyllus trimaculatus (Rüppell, 1828)
Dischistodus fasciatus (Cuvier in Cuvier & Valenciennes, 1830) (**New record** from New Caledonia based on SMNS 19727 from southern Grande-Terre)
Dischistodus prosopotaenia (Bleeker, 1852) (**New record** from New Caledonia based on SMNS material from southern Grande Terre)
Lepidozygus tapeinosoma (Bleeker, 1856)
Neoglyphidodon carlsoni (Allen, 1975)
Neoglyphidodon melas (Cuvier in Cuvier & Valenciennes, 1830)
Neoglyphidodon nigroris (Cuvier in Cuvier & Valenciennes, 1830)
Neoglyphidodon polyacanthus (Ogilby, 1889)
Neopomacentrus anabatooides (Bleeker, 1847) (Reported from Grande Terre, New Caledonia by Whitley [1961: 65] under the name *Parapomacentrus bankieri*)
Neopomacentrus azyron (Bleeker, 1877)
Neopomacentrus bankieri (Richardson, 1846) (New record from New Caledonia based on SMNS 22661 from southern Grande-Terre)
Neopomacentrus cyanomos (Bleeker, 1856)
Neopomacentrus filamentosus (Macleay, 1883)
Neopomacentrus nemurus (Bleeker, 1857)
Neopomacentrus taeniurus (Bleeker, 1856)
Neopomacentrus violascens (Bleeker, 1848)
Parma polylepis Günther, 1862
Plectroglyphidodon dickii (Liénard, 1839)
Plectroglyphidodon imparipennis Vaillant & Sauvage, 1875
Plectroglyphidodon johnstonianus Fowler & Ball, 1924
Plectroglyphidodon lacrymatus (Quoy & Gaimard, 1825)
Plectroglyphidodon leucozonus leucozonus (Bleeker, 1859)
Pomacentrus adelus Allen, 1991
Pomacentrus amboinensis Bleeker, 1868
Pomacentrus arenarius Allen, 1987

Pomacentrus aurifrons Allen, 2004 (Reported by several authors including Laboute & Grandperrin [2000: 326] under the name *Pomacentrus smithi*)

Pomacentrus bankanensis Bleeker, 1853

Pomacentrus brachialis Cuvier in Cuvier & Valenciennes, 1830 (Synonym: *Pomacentrus melanopterus* Bleeker, 1852)

Pomacentrus chrysurus Cuvier in Cuvier & Valenciennes, 1830 (Synonym: *Pomacentrus rhodonotus* Bleeker, 1853)

Pomacentrus coelestis Jordan & Starks, 1901

Pomacentrus grammorhynchus Fowler, 1918

Pomacentrus imitator (Whitley, 1964)

Pomacentrus lepidogenys Fowler & Bean, 1928

Pomacentrus moluccensis Bleeker, 1853 (Synonyms: *Pomacentrus popei* Evermann & Seale, 1907; *Pomacentrus sufflavus* Whitley, 1927)

Pomacentrus nagasakiensis Tanaka, 1909 (Synonym: *Pomacentrus arenarius* Allen, 1987 Reported from New Caledonia by Fourmanoir [1981: 27] under the name *Pomacentrus wardi*, and Laboute & Grandperrin [2000: 327] under the name *Pomacentrus* sp.)

Pomacentrus nigromanus Weber, 1913 (**New record** from New Caledonia based on SMNS 24117 from Lifou, Loyalty Islands)

Pomacentrus pavo (Bloch, 1787)

Pomacentrus philippinus Evermann & Seale, 1907

Pomacentrus reidi Fowler & Bean, 1928

Pomacentrus simsiang Bleeker, 1856

Pomacentrus spilotoceps Randall, 2002 (**New record** from New Caledonia based on SMNS material from Grande-Terre and Lifou/Loyalty Islands).

Pomacentrus taeniometopon: Bleeker, 1852

Pomacentrus tripunctatus Cuvier in Cuvier & Valenciennes, 1830

Pomacentrus vaiuli Jordan & Seale, 1906

Pomachromis richardsoni (Snyder, 1909)

Pristotis obtusirostris (Günther, 1862) (Synonym: *Pristotis jerdoni*; reported from New Caledonia by Laboute & Grandperrin [2000: 327] under the name *Pristotis* sp.)

Stegastes albifasciatus (Schlegel & Müller, 1839) (Synonym: *Pomacentrus eclipticus* Jordan & Seale, 1906)

Stegastes apicalis (DeVis, 1885)

Stegastes aureus (Fowler, 1927)

Stegastes fasciolatus (Ogilby, 1889)

Stegastes gascoynei (Whitley, 1964)

Stegastes nigricans (Lacepède, 1803) (Synonym: *Pomacentrus subniger* DeVis, 1885)

Stegastes punctatus (Quoy & Gaimard, 1825) (Reported from New Caledonia by Myers [1999: 187] under the name *Stegastes lividus*)

LABRIDAE

Records of *Bodianus unimaculatus* (Günther, 1862) under the name *Bodianus oxycephalus* (non Bleeker, 1862) by Rivaton *et al.* (1989: 45) and *Labroides rubrolabiatus* Randall, 1958 by Fourmanoir & Laboute (1976: 127) need verification.

Anampses caeruleopunctatus Rüppell, 1828

Anampses femininus Randall, 1972

Anampses geographicus Valenciennes in Cuvier & Valenciennes, 1840

Anampses neoguinaicus Bleeker, 1878

Anampses twistii Bleeker, 1856

Bodianus anthioides (Bennett, 1831)

Bodianus axillaris (Bennett, 1831)

Bodianus bimaculatus Allen, 1973

Bodianus busellatus Gomon, 2006 (**New record** from New Caledonia; previously reported from New Caledonia by several authors including Laboute & Grandperrin [2000: 350] and Randall [2005: 392] under the name *Bodianus bilunulatus*)

Bodianus cylindriatus (Tanaka, 1930)

Bodianus dictynna Gomon, 2006 (Previously reported from New Caledonia by authors under the name *Bodianus diana*)
Bodianus izuensis Araga & Yoshino in Masuda, Araga & Yoshino, 1975
Bodianus loxozonus (Snyder, 1908) (Reported from New Caledonia by Whitley [1961: 64] under the name *Bodianus hirsutus*)
Bodianus masudai Araga & Yoshino, 1975
Bodianus mesothorax (Bloch & Schneider, 1801)
Bodianus paraleucosticticus Gomon, 2006
Bodianus perditio (Quoy & Gaimard, 1824)
Cheilinus chlorourus (Bloch, 1791)
Cheilinus fasciatus (Bloch, 1791)
Cheilinus oxycephalus Bleeker, 1853
Cheilinus trilobatus (Lacepède, 1801)
Cheilinus undulatus Rüppell, 1835
Cheilio inermis (Forsskål in Niebuhr, 1775)
Choerodon anchorago (Bloch, 1791)
Choerodon fasciatus (Günther, 1867)
Choerodon graphicus (De Vis, 1885) (Synonym: *Choerodon transversalis* Whitley, 1956)
Choerodon jordani (Snyder, 1908) (Reported from New Caledonia by several authors under the name *Choerodon melanostigma*)
Choerodon margaritiferus Fowler & Bean, 1928
Cirrhilabrus bathyphilus Randall & Nagareda, 2002
Cirrhilabrus laboutei Randall & Lubbock, 1982
Cirrhilabrus lineatus Randall & Lubbock, 1982
Cirrhilabrus punctatus Randall & Kuitert, 1989
Cirrhilabrus roseafascia Randall & Lubbock, 1982
Coris aygula Lacepède, 1801 (Synonyms: *Coris cingulum*; *Coris angulatus*; *Coris variegata* Ramsay & Ogilby, 1887)
Coris batuensis (Bleeker, 1856) (Synonym: *Coris schroederi*)
Coris dorsomacula Fowler, 1908 (Reported from New Caledonia by Rivaton & Bourret [1999: 158] under the name *Coris multicolor*)
Coris gaimard (Quoy & Gaimard, 1824)
Coris picta (Bloch & Schneider, 1801)
Coris pictoides Randall & Kuitert, 1982
Coris sandeyeri (Hector, 1884) (Reported from Nouméa by Whitley [1961: 64] under the name *Guntheria trimaculata*; **new record** from New Caledonia based on AMS IB.4152).
Cymolutes praetextatus (Quoy & Gaimard, 1834) (Reported from New Caledonia by Whitley [1961: 64] under the name *Cymolutes lecluse*)
Cymolutes torquatus (Valenciennes in Cuvier & Valenciennes, 1840)
Diproctacanthus xanthurus (Bleeker, 1856) (**New record** from New Caledonia based on AMS IB.7799 from southern Grande Terre)
Epibulus insidiator (Pallas, 1770)
Gomphosus varius Lacepède, 1801 (Synonym: *Thalassoma stuckiae* Whitley, 1959)
Halichoeres argus (Bloch & Schneider, 1801) (Synonym: *Halichoeres leparensis*)
Halichoeres biocellatus Schultz in Schultz, Chapman, Lachner & Woods, 1960
Halichoeres chrysus Randall, 1981
Halichoeres chloropterus (Bloch, 1791)
Halichoeres hortulanus (Lacepède, 1801)
Halichoeres lamarii annularis (Valenciennes in Cuvier & Valenciennes, 1839) (Reported from New Caledonia by several authors under the name *Halichoeres marginatus*; **new record** from New Caledonia based on these records and SMNS material from Grande-Terre and Lifou/Loyalty Islands)
Halichoeres margaritaceus (Valenciennes in Cuvier & Valenciennes, 1839)
Halichoeres melanurus (Bleeker, 1851) (Synonym: *Halichoeres hoevenii*; reported by Rivaton *et al.* [1989: 46] under the name *Halichoeres timorensis*)
Halichoeres miniatus (Kuhl & Hasselt in Valenciennes in Cuvier & Valenciennes, 1839)

Halichoeres nebulosus (Valenciennes in Cuvier & Valenciennes, 1839)
Halichoeres ornatissimus (Garrett, 1863) (Reported from New Caledonia by Rivaton *et al.* [1989: 46] under the name *Halichoeres vrolikii*)
Halichoeres prosopeion (Bleeker, 1853)
Halichoeres scapularis (Bennett, 1832) (**New record** from New Caledonia based on SMNS 21560 from southern Grande Terre)
Halichoeres trimaculatus (Quoy & Gaimard, 1834)
Halichoeres zeylonicus (Bennett, 1833)
Hemigymnus fasciatus (Bloch, 1792)
Hemigymnus melapterus (Bloch, 1791)
Hologymnosus annulatus (Lacepède, 1801)
Hologymnosus doliatus (Lacepède, 1802)
Hologymnosus longipes (Günther, 1862)
Iniistius aneitensis (Günther, 1862)
Iniistius celebicus (Bleeker, 1856) (**New record** from New Caledonia based on *Xyrichthys* sp. of Kulbicki, Randall & Rivaton [1994: 30] from Chesterfield Islands).
Iniistius pavo (Valenciennes in Cuvier & Valenciennes, 1839)
Labrichthys unilineatus (Guichenot, 1847)
Labroides bicolor Fowler & Bean, 1928
Labroides dimidiatus (Valenciennes in Cuvier & Valenciennes, 1839)
Labroides pectoralis Randall & Springer, 1975
Labropsis australis Randall, 1981
Labropsis xanthonota Randall, 1981
Macropharyngodon choati Randall, 1978
Macropharyngodon kuiteri Randall, 1978
Macropharyngodon meleagris (Valenciennes in Cuvier & Valenciennes, 1839)
Macropharyngodon negrosensis Herre, 1932
Novaculichthys taeniourus (Lacepède, 1802)
Oxycheilinus bimaculatus (Valenciennes in Cuvier & Valenciennes, 1839)
Oxycheilinus celebicus (Bleeker, 1853)
Oxycheilinus digrammus (Lacepède, 1801)
Oxycheilinus nigromarginatus Randall, Westneat & Gomon, 2003
Oxycheilinus orientalis (Günther, 1862)
Oxycheilinus unifasciatus (Streets, 1877) (Reported from New Caledonia by Fourmanoir & Laboute [1976: 117] under the name *Cheilinus rhodocrous*)
Pseudocheilinus evanidus Jordan & Evermann, 1903
Pseudocheilinus hexataenia (Bleeker, 1857)
Pseudocheilinus ocellatus Randall, 1999
Pseudocheilinus octotaenia Jenkins, 1900
Pseudocheilinus tetrataenia Schultz in Schultz, Chapman, Lachner & Woods, 1960
Pseudocoris bleekeri (Hubrecht, 1876) (Reported from New Caledonia by authors under the name *Coris philippina*)
Pseudocoris yamashiroi (Schmidt, 1931)
Pseudodax moluccanus (Valenciennes in Cuvier & Valenciennes, 1839)
Pseudojuloides cerasinus (Snyder, 1904)
Pteragogus sp. (Undescribed species, which has been reported from New Caledonia by several authors under the name *Pteragogus cryptus*, a species which is restricted to the Red Sea according to Kuiter [2002: 56])
Pteragogus enneacanthus (Bleeker, 1853)
Pteragogus flagellifer (Valenciennes in Cuvier & Valenciennes, 1839) (Reported from New Caledonia by authors under the names *Pteragogus opercularis* and *P. flagellifera*)
Stethojulis bandanensis (Bleeker, 1851) (Reported from New Caledonia by Whitley [1961: 65] under the name *Stethojulis axillaris*)
Stethojulis notialis Randall, 2000 (Reported from New Caledonia by various authors under the name *Stethojulis interrupta*)

Stethojulis strigiventer (Bennett, 1832)
Suezichthys arquatus Russell, 1985
Suezichthys devisi (Whitley, 1941) (Reported from New Caledonia by various authors under the name *Suezichthys gracilis*)
Terelabrus rubrovittatus Randall & Fourmanoir, 1998
Thalassoma amblycephalum (Bleeker, 1856) (Reported from New Caledonia by Whitley [1961: 65] under the name *Thalassoma melanochir*)
Thalassoma hardwicke (Bennett, 1830)
Thalassoma lunare (Linnaeus, 1758)
Thalassoma lutescens (Lay & Bennett, 1839) (Reported from New Caledonia by Whitley [1961: 65] under the name *Thalassoma aneitense*)
Thalassoma nigrofasciatum Randall, 2003 (Reported from New Caledonia by several authors under the name *Thalassoma janseni*)
Thalassoma purpureum (Forsskål in Niebuhr, 1775)
Thalassoma quinquevittatum (Lay & Bennett, 1839) (Reported from Lifou/Loyalty Islands by Günther [1909: 294-295] under the name *Julis güntheri*)
Thalassoma trilobatum (Lacepède, 1801)
Wetmorella albofasciata Schultz & Marshall, 1954
Wetmorella nigropinnata Seale, 1901 (Reported from New Caledonia by Fourmanoir & Laboute [1976: 128] under the name *Wetmorella ocellata*)
Xiphochelilus typus Bleeker, 1856 (Reported from New Caledonia by Parenti & Randall [2000: 48] under the name *Xiphochelilus quadrimaculatus*)

SCARIDAE

Records by Plessis & Fourmanoir (1966: 136) of *Scarus tricolor* Bleeker, 1847 (under the name *Scarus mus*) need verification.

Bolbometopon muricatum (Valenciennes in Cuvier & Valenciennes, 1839)
Calotomus carolinus (Valenciennes in Cuvier & Valenciennes, 1840)
Calotomus spinidens (Quoy & Gaimard, 1824)
Cetoscarus ocellatus (Valenciennes in Cuvier & Valenciennes, 1840) (Reported from New Caledonia by various authors under the name *Cetoscarus bicolor*; **new record** from New Caledonia, also based on AMS IB.3830)
Chlorurus bleekeri (Beaufort, 1940)
Chlorurus frontalis (Valenciennes in Cuvier & Valenciennes, 1839)
Chlorurus microrhinos (Bleeker, 1854) (Reported from New Caledonia by several authors under the name *Scarus gibbus*, and by Rivaton & Bourret [1999: 16] confused with *Scarus rhodopterus*)
Chlorurus sordidus (Forsskål in Niebuhr, 1775)
Hipposcarus longiceps (Valenciennes in Cuvier & Valenciennes, 1840)
Leptoscarus vaigiensis (Quoy & Gaimard, 1824)
Scarus altipinnis (Steindachner, 1879)
Scarus chameleon Choat & Randall, 1986
Scarus dimidiatus Bleeker, 1859
Scarus flavipectoralis Schultz, 1958
Scarus forsteni (Bleeker, 1861)
Scarus frenatus Lacepède, 1802
Scarus ghobban (Forsskål in Niebuhr, 1775) (Reported from New Caledonia by Laboute & Grandperrin [2000: 383] under the name *Scarus* sp. 3)
Scarus globiceps Valenciennes in Cuvier & Valenciennes, 1839
Scarus longipinnis Randall & Choat, 1980 (Reported from New Caledonia by Laboute & Grandperrin [2000: 383] under the name *Scarus* sp. 1)
Scarus niger (Forsskål in Niebuhr, 1775)
Scarus oviceps Valenciennes in Cuvier & Valenciennes, 1839
Scarus psittacus Forsskål in Niebuhr, 1775
Scarus quoyi Valenciennes in Cuvier & Valenciennes, 1840
Scarus rivulatus Valenciennes in Cuvier & Valenciennes, 1840 (Reported from New Caledonia by several authors under the name *Scarus fasciatus*)

Scarus rubroviolaceus Bleeker, 1847

Scarus schlegeli (Bleeker, 1861) (Reported from New Caledonia by various authors under the name *Scarus venosus*)

Scarus spinus (Kner, 1868)

PINGUIPEDIDAE

Parapercis australis Randall, 2003 (Reported by various authors under the name *Parapercis cylindrica*)

Parapercis binivirgata (Waite, 1904)

Parapercis clathrata Ogilby, 1910

Parapercis colemani Randall & Francis, 1993 (**New record** from New Caledonia based on SMNS 23850 from Lifou, Loyalty Islands)

Parapercis hexophthalma (Cuvier in Cuvier & Valenciennes, 1829) (Reported from New Caledonia by various authors under the name *Parapercis polyophthalma*)

Parapercis lineopunctata Randall, 2003

Parapercis millepunctata (Günther, 1860)

Parapercis multiplicata Randall, 1984

Parapercis nebulosa (Quoy & Gaimard, 1825) (New record from New Caledonia, based on SMNS 23673 from Lifou, Loyalty Islands)

Parapercis schauinslandii (Steindachner, 1900)

Parapercis snyderi Jordan & Starks, 1905 (Reported from New Caledonia by Laboute & Grandperrin [2000: 391] under the name *Parapercis* sp.)

Parapercis xanthozona (Bleeker, 1849)

TRICHONOTIDAE

Trichonotus elegans Shimada & Yoshino, 1984

Trichonotus filamentosus (Steindachner, 1867)

Trichonotus setiger (Bloch & Schneider, 1801)

CREEDIIDAE

Chalixodytes tauensis Schultz, 1943 (Synonym: *Chalixodytes chameleontoculis*)

Limnichthys nitidus Smith, 1958 (Synonym: *Limnichthys donaldsoni* Schultz in Schultz *et al.*, 1960)

AMMODYTIDAE

Ammodytoides vagus (McCulloch & Waite, 1916) (Reported from New Caledonia by Laboute & Grandperrin [2000: 387] under the name *Ammodytes* sp.)

Bleekeria mitsukurii Jordan & Evermann, 1902

URANOSCOPIDAE

A record of *Ichthyoscopus lebeck* Bloch & Schneider, 1801 by two authors needs verification; New Caledonian populations may be referable to *Ichthyoscopus sannio* Whitley, 1936.

Uranoscopus oligolepis Bleeker, 1858

Uranoscopus sulphureus Valenciennes in Cuvier & Valenciennes, 1831

TRIPTERYGIIDAE

Ceratobregma helenae Holleman, 1987 (Synonym: *Ceratobregma striata* Fricke, 1994)

Enneapterygius elegans (Peters, 1877)

Enneapterygius flavoccipitis Shen & Wu, 1994 (Synonym: *Enneapterygius bichrous* Fricke, 1994)

Enneapterygius hemimelas (Kner & Steindachner, 1867) (Reported from Chesterfield Islands by Kulbicki *et al.* [1994: 32] under the name *Enneapterygius semilarvatus*, a nomen nudum)

Enneapterygius howensis Fricke, 1997

Enneapterygius nanus (Schultz in Schultz, Chapman, Lachner & Woods, 1960)

Enneapterygius niger Fricke, 1994

Enneapterygius paucifasciatus Fricke, 1994

Enneapterygius philippinus (Peters, 1869) (Synonym: *Enneapterygius minutus*; reported from New Caledonia by Whitley [1961: 65] under the name *Vaclusella rufopileum*)

Enneapterygius rhabdotus Fricke, 1994

Enneapterygius rhothion Fricke, 1997

Enneapterygius rubicauda Shen & Wu, 1994

Enneapterygius rufopileus (Waite, 1904)

Enneapterygius similis Fricke, 1997

Enneapterygius triserialis Fricke, 1994

Enneapterygius trisignatus Fricke, 2001
Enneapterygius tutuilae Jordan & Seale, 1906
Enneapterygius williamsi Fricke, 1997
Helcogramma sp. (To be described by J.T. Williams) (Reported by several authors from New Caledonia under the name *Helcogramma ellioti*)
Helcogramma hudsoni (Jordan & Seale, 1906)
Helcogramma novaecaledoniae Fricke, 1994
Helcogramma trigloides (Bleeker, 1858)
Norfolkia brachylepis (Schultz in Schultz, Chapman, Lachner & Woods, 1960)
Norfolkia squamiceps (McCulloch & Waite, 1916)
Norfolkia thomasi Whitley, 1964
Springerichthys kulbickii (Fricke & Randall in Fricke, 1994)
Ucla xenogrammus Holleman, 1993

BLENNIIDAE

Records of *Andamia reyi* (Sauvage, 1880) by Rivaton *et al.* (1989: 27), *Ecsenius aequalis* Springer, 1988 and *Salarias sinuosus* Snyder, 1908 by Rivaton *et al.* (1989: 28, 29) need verification. Records of *Cirripectes variolosus* (Valenciennes in Cuvier & Valenciennes, 1836) (under the name *C. sebae*) by several authors also need verification.

Alticus sp. (To be described by J.T. Williams)
Alticus sertatus (Garman, 1903)
Andamia amphibius (Walbaum, 1792) (**New record** from New Caledonia, based on SMNS 23579 from Lifou, Loyalty Islands)
Aspidontus dussumieri (Valenciennes in Cuvier & Valenciennes, 1836)
Aspidontus taeniatus Quoy & Gaimard, 1836
Atrosalarias fuscus holomelas (Günther, 1872)
Blenniella chrysospilos (Bleeker, 1857)
Blenniella paula (Bryan & Herre, 1903) (**New record** from New Caledonia based on SMNS 22752 from northeastern Grande Terre)
Blenniella periophthalmus (Valenciennes in Cuvier & Valenciennes, 1836)
Cirripectes alboapicalis (Ogilby, 1899) (Reported from New Caledonia by Laboute & Grandperrin [2000: 397] under the name *Cirripectes* sp.; **new record** from New Caledonia, also based on SMNS 23810 from Lifou, Loyalty Islands)
Cirripectes castaneus (Valenciennes in Cuvier & Valenciennes, 1836)
Cirripectes chelomatus Williams & Maugé, 1983
Cirripectes filamentosus (Alleyne & Macleay, 1877) (**New record** from New Caledonia, based on SMNS 22769 from northern Grande Terre)
Cirripectes fuscoguttatus Strasburg & Schultz, 1953 (**New record** from New Caledonia, based on SMNS material from northern Grande Terre and Lifou/Loyalty Islands)
Cirripectes polyzonus Bleeker, 1868
Cirripectes stigmaticus Strasburg & Schultz, 1953
Crossosalarias macrospilus Smith-Vaniz & Springer, 1971
Ecsenius bicolor (Day, 1888)
Ecsenius fourmanoiri Springer, 1972
Ecsenius isos McKinney & Springer, 1976 (Reported from New Caledonia by Laboute & Grandperrin [2000: 399] under the name *Ecsenius* sp.)
Ecsenius midas Starck, 1969
Ecsenius nalolo Smith, 1959
Ecsenius stictus Springer, 1988 (Reported by several authors under the name *Ecsenius yaeyamaensis*)
Ecsenius tessera Springer, 1988 (Reported from New Caledoni by Laboute & Grandperrin [2000: 399] under the name *Ecsenius oculus*)
Enchelyurus ater (Günther, 1877)
Enchelyurus kraussii (Klunzinger, 1871)
Entomacrodus caudofasciatus (Regan, 1909)
Entomacrodus decussatus (Bleeker, 1858)
Entomacrodus sealei Bryan & Herre, 1903

Entomacrodus striatus (Quoy & Gaimard, 1836)

Entomacrodus thalassinus (Jordan & Seale, 1906) (Reported from New Caledonia by Laboute & Grandperrin [2000: 400] under the name 'Blenniidae indéterminé'; **new record** from New Caledonia, also based on SMNS 19796 from southern Grande-Terre)

Exallias brevis (Kner, 1868)

Istiblennius dussumieri (Valenciennes in Cuvier & Valenciennes, 1836) (Reported by Günther [1877: 208] under the name *Salarias meleagris*, by Whitley [1927: 304] as *Salarias geminatus*, and by Plessis & Fourmanoir [1966: 140] under the name *Halmablennius striatomaculatus*) Plessis & Fourmanoir, 1966: 140 (Nouvelle-Calédonie/Grande-Terre, New Caledonia).

Istiblennius edentulus (Forster in Bloch & Schneider, 1801)

Istiblennius lineatus (Valenciennes in Cuvier & Valenciennes, 1836)

Meiacanthus anema (Bleeker, 1852)

Meiacanthus atrodorsalis (Günther, 1877)

Meiacanthus ditrema Smith-Vaniz, 1976

Meiacanthus grammistes (Valenciennes in Cuvier & Valenciennes, 1836)

Meiacanthus phaeus Smith-Vaniz, 1976

Nannosalarias nativitatus (Regan, 1909) (**New record** from New Caledonia based on SMNS material from southern Grande Terre)

Omobranchus germaini (Sauvage, 1883) (Synonym: *Graviceps alexanderi* Whitley, 1945)

Omobranchus obliquus (Garman, 1903) (Reported from New Caledonia by Rivaton *et al.* [1989: 28] under the name *Omobranchus banditus*)

Omox biporos Springer, 1972

Parablennius tasmanianus (Richardson, 1849) (Synonym: *Parablennius tasmanianus caledoniensis* Bath, 1989; taxonomic decision of H. Bath, personal communication, June 2006)

Petroscirtes breviceps (Valenciennes in Cuvier & Valenciennes, 1836)

Petroscirtes lupus (De Vis, 1886) (Synonym: *Dasson icelii*)

Petroscirtes mitratus Rüppell, 1830

Petroscirtes variabilis Cantor, 1850

Petroscirtes xestus Jordan & Seale, 1906

Plagiotremus laudandus (Whitley, 1961)

Plagiotremus rhinorhynchus (Bleeker, 1852)

Plagiotremus tapeinosoma (Bleeker, 1857) (Reported from New Caledonia by Laboute & Grandperrin [2000: 68] under the name *Omox* sp.)

Praealticus bilineatus (Peters, 1868)

Rhabdoblennius snowi (Fowler, 1928) (Reported from New Caledonia by Kulbicki *et al.* [1994: 33] under the name *Rhabdoblennius ellipes*)

Salarias alboguttatus Kner, 1867

Salarias fasciatus (Bloch, 1786) (Reported from New Caledonia by Fourmanoir & Laboute [1976: 137] under the name *Petroscirtes mitratus*)

Salarias guttatus Valenciennes in Cuvier & Valenciennes, 1836 (**New record** from New Caledonia based on SMNS 19777 from southeastern Grande Terre)

Stanulus seychellensis Smith, 1959 (**New record** from New Caledonia based on SMNS 23616 from Lifou, Loyalty Islands)

Stanulus talboti Springer, 1968 (**New record** from New Caledonia based on SMNS 23617 from Lifou, Loyalty Islands)

Xiphasia setifer Swainson, 1839

CLINIDAE

Springeratus sp. (Undescribed species) (Reported from New Caledonia under the names *Petraites roseus*, *Petraites sellularius* and *Petraites nasutus*)

GOBIESOCIDAE

- Conidens samoensis* (Steindachner, 1906)
Diademichthys lineatus (Sauvage, 1883)
Discotrema crinophila Briggs, 1976
Lepadichthys sp. (Undescribed species based on SMNS material from southern Grande Terre)
Lepadichthys frenatus Waite, 1904
Lepadichthys minor Briggs, 1955
Pherallodus indicus (Weber, 1913) (Reported by Kulbicki & Williams [1997: 12] under the name *Pherallodus* sp.; **new record** from New Caledonia, also based on SMNS material from Lifou, Loyalty Islands)

CALLIONYMIDAE

- Callionymus* sp. (Chesterfield Islands; to be described by R. Fricke; recorded by Kulbicki *et al.* [1994: 33] under the name *Calliurichthys japonicus*, and by Fricke [2000: 20-24, part] under the name *Callionymus scaber*)
Callionymus brevianalis Fricke, 1983
Callionymus corallinus Gilbert, 1905
Callionymus enneactis Bleeker, 1879
Callionymus keeleyi Fowler, 1941 (Reported from New Caledonia by several authors under the name *Repomucenus virgis*)
Callionymus pleurostictus Fricke, 1982
Callionymus rivatoni Fricke, 1993 (Reported from New Caledonia by several authors under the name *Repomucenus huguenini*; reported by Laboute & Grandperrin [2000: 400] as *Diplogrammus goramensis*)
Callionymus simplicicornis Valenciennes in Cuvier & Valenciennes, 1837
Callionymus tethys Fricke, 1993
Diplogrammus goramensis (Bleeker, 1858)
Synchiropus circularis Fricke, 1984
Synchiropus morrisoni Schultz in Schultz, Chapman, Lachner & Woods, 1960 (Reported from New Caledonia by Laboute & Grandperrin [2000: 401, left fig.] under the name *Synchiropus ocellatus* [part])
Synchiropus ocellatus (Pallas, 1770) (Reported by Laboute & Grandperrin [2000: 401] under the name *Synchiropus* sp.)
Synchiropus rameus (McCulloch, 1926)
Synchiropus rubrovinctus (Gilbert, 1905) (**New record** from New Caledonia based on SMNS material from Lifou, Loyalty Islands)
Synchiropus sechellensis Regan, 1908
Synchiropus splendidus (Herre, 1927)
Synchiropus springeri Fricke, 1983 (Reported from New Caledoni by Rivaton *et al.* [1989: 31] under the name *Synchiropus postulus*, and by Kulbicki & Williams [1997: 21] under the name *Minysynchiropus laddi*)

ELEOTRIDAE

- Butis amboinensis* (Bleeker, 1853)
Calumia godeffroyi (Günther, 1877)
Eleotris acanthopoma Bleeker, 1853
Eleotris fusca (Bloch & Schneider, 1801) (Reported from New Caledonia by Whitley [1961: 64] under the name *Culius melanosoma*)
Eleotris melanosoma Bleeker, 1852

XENISTHMIDAE

- Xenisthmus eiropilus* Gill & Hoese, 2004 (Reported from Chesterfield Islands by Kulbicki *et al.* [1994: 35] under the name *Xenisthmus* sp.; **new record** from New Caledonia)
Xenisthmus polyzonatus (Klunzinger, 1871)

KRAEMERIIDAE

- Kraemeria samoensis* Steindachner, 1906

GOBIIDAE

Records of *Drombus triangularis* (Weber, 1909), under the name *Acentrogobius bontii*, by several authors including Fourmanoir (1981: 27), *Amblyeleotris japonica* Takagi, 1957 by Fourmanoir & Laboute (1976: 140), *Bathygobius petrophilus* (Bleeker, 1853) by Plessis & Fourmanoir [1966: 139], *Parapocryptes serperaster* (Richardson, 1846) (under the name *Apocryptes s.*) by Borodin (1932: 96), and *Amblygobius hectori* (Smith, 1957), *Bryaninops ridens* Smith, 1959 and *Valenciennea sexguttata* (Valenciennes in Cuvier & Valenciennes, 1837) by Rivaton *et al.* [1989: 40, 42], need verification.

Amblyeleotris bellicauda Randall, 2004

Amblyeleotris biguttata Randall, 2004

Amblyeleotris diagonalis Polunin & Lubbock, 1979 (Reported by Laboute & Grandperrin [2000: 405] under the name *Amblyeleotris* sp. 1)

Amblyeleotris fasciata (Herre, 1953) (Synonym: *Amblyeleotris wheeleri*)

Amblyeleotris fontanesii (Bleeker, 1852)

Amblyeleotris guttata (Fowler, 1938)

Amblyeleotris novaecaledoniae Goren, 1981

Amblyeleotris ogasawarensis Yanagisawa, 1978 (Reported from New Caledonia by Laboute & Grandperrin [2000: 7, 8] under the names *Amblyeleotris* sp. 7 and *Amblyeleotris* sp. 8)

Amblyeleotris periophthalma (Bleeker, 1853) (Synonym: *Amblyeleotris exilis*)

Amblyeleotris randalli Hoese & Steene, 1978

Amblyeleotris rubrimarginata Mohlmann & Randall, 2002 (Reported from New Caledonia by Laboute & Grandperrin [2000: 406] under the name *Amblyeleotris* sp. 9)

Amblyeleotris steinitzi (Klausewitz, 1974)

Amblyeleotris stenotaeniata Randall, 2004 (Reported from New Caledonia by Laboute & Grandperrin [2000: 406] under the names *Amblyeleotris* sp. 4 and *Amblyeleotris* sp. 5)

Amblygobius bynoensis (Richardson, 1844)

Amblygobius decussatus (Bleeker, 1855)

Amblygobius linki (Herre, 1927)

Amblygobius nocturnus (Herre, 1945)

Amblygobius phalaena (Valenciennes in Cuvier & Valenciennes, 1837) (Reported from New Caledonia by several authors under the name *Amblygobius albimaculatus*)

Amblygobius sphynx (Valenciennes in Cuvier & Valenciennes, 1837)

Asterropterix ensifera (Bleeker, 1874)

Asterropterix semipunctata Rüppell, 1830

Asterropterix spinosa (Goren, 1981)

Barbuligobius sp. (Record based on SMNS 23775 from Lifou, Loyalty Islands)

Bathygobius coalitus (Bennett, 1832) (Reported from Grande Terre by several authors under the name *Bathygobius albopunctatus*, which is a synonym; **new record** from New Caledonia, also based on MNHN material from Grande Terre)

Bathygobius cocosensis (Bleeker, 1854)

Bathygobius cotticeps (Steindachner, 1880) (**New record** from New Caledonia based on SMNS material from northeastern, southwestern and southern Grande Terre and Lifou/Loyalty Islands)

Bathygobius cyclopterus (Valenciennes in Cuvier & Valenciennes, 1837)

Bathygobius fuscus (Rüppell, 1830) (Synonyms: *Gobius caledonicus* Sauvage, 1880; *Gobius filamentosus* Sauvage, 1883, both originally described from New Caledonia)

Bryaninops loki Larson, 1985

Bryaninops natans Larson, 1985

Bryaninops yongei (Davis & Cohen, 1968)

Cabillus tongarevae (Fowler, 1927)

Callogobius hasseltii (Bleeker, 1851)

Callogobius maculipinnis (Fowler, 1918) (Synonyms: *Callogobius irrasus*; *Intosagobius kuderii* Herre, 1943)

Callogobius sclateri (Steindachner, 1880)

Cryptocentrus fasciatus (Playfair & Günther, 1867)

Cryptocentrus leptocephalus Bleeker, 1876 (Reported from New Caledonia by several authors including Laboute & Grandperrin [2000: 409] under the name *Cryptocentrus lutheri*; **new record** from New Caledonia, also based on SMNS 21552 from southern Grande Terre)

Cryptocentrus strigiliceps (Jordan & Seale, 1906)
Ctenogobiops aurocingulus (Herre, 1935)
Ctenogobiops feroculus Lubbock & Polunin, 1977
Ctenogobiops pomastictus Lubbock & Polunin, 1977
Ctenotrypauchen microcephalus (Bleeker, 1860)
Eviota afelei Jordan & Seale, 1906
Eviota albolineata Jewett & Lachner, 1983
Eviota cometa Jewett & Lachner, 1983
Eviota distigma Jordan & Seale, 1906 (Reported by Whitley [1961: 64] under the name *Eviota abax*)
Eviota fasciola Karnella & Lachner, 1981
Eviota herrei Jordan & Seale, 1906 (**New record** from New Caledonia based on SMNS 18327 from southeastern Grande Terre)
Eviota hoesei Gill & Jewett, 2004
Eviota latifasciata Jewett & Lachner, 1983
Eviota melasma Lachner & Karnella, 1980
Eviota monostigma Fourmanoir, 1971
Eviota nebulosa Smith, 1958
Eviota nigriventris Giltay, 1933
Eviota pellucida Larson, 1976
Eviota prasina (Klunzinger, 1871)
Eviota prasites Jordan & Seale, 1906
Eviota pseudostigma Lachner & Karnella, 1980
Eviota punctulata Jewett & Lachner, 1983 (**New record** from New Caledonia based on SMNS material from southern Grande Terre and Maré/Loyalty Islands)
Eviota queenslandica Whitley, 1932 (**New record** from New Caledonia based on SMNS material from northern Grande Terre and Lifou/Loyalty Islands)
Eviota sebreei Jordan & Seale, 1906
Eviota smaragdus Jordan & Seale, 1906
Eviota sparsa Jewett & Lachner, 1983
Eviota zebrina Lachner & Karnella, 1978
Eviota zonura Jordan & Seale, 1906
Exyrias belissimus (Smith, 1959) (Reported from New Caledonia by Laboute & Grandperrin [2000: 417] under the name ‘Gobiidae indéterminé 1’)
Exyrias puntang (Bleeker, 1851) (Synonym: *Gobius canalae* Sauvage, 1881)
Favonigobius reichei (Bleeker, 1853)
Fusigobius duospilus Hoese & Reader, 1985
Fusigobius gracilis (Randall, 2001)
Fusigobius humeralis (Randall, 2001)
Fusigobius longispinus Goren, 1978 (**New record** from New Caledonia based on SMNS 22888 from Ile des Pins)
Fusigobius maximus (Randall, 2001)
Fusigobius neophytus (Günther, 1877)
Fusigobius pallidus (Randall, 2001)
Fusigobius signipinnis Hoese & Obika, 1988
Glossogobius sp. (An undescribed species which was reported by several authors under the name *Glossogobius celebius*)
Glossogobius biocellatus (Valenciennes in Cuvier & Valenciennes, 1837)
Glossogobius giuris (Hamilton Buchanan, 1822)
Gnatholepis anjerensis (Bleeker, 1851)
Gnatholepis cauerensis cauerensis (Bleeker, 1853) (Synonym: *Gnatholepis scapulostigma*)
Gobiodon acicularis Harold & Winterbottom, 1995 (**New record** from New Caledonia based on SMNS 23914 from Lifou, Loyalty Islands)
Gobiodon axillaris DeVis, 1884 (**New record** from New Caledonia based on SMNS material from Grande Terre and Lifou, Loyalty Islands)
Gobiodon brochus Harold & Winterbottom, 1999

Gobiodon citrinus (Rüppell, 1838)
Gobiodon multilineatus Wu, 1979
Gobiodon okinawae Sawada, Arai & Abe, 1972
Gobiodon quinquestrigatus (Valenciennes in Cuvier & Valenciennes, 1837)
Gobiodon rivulatus (Rüppell, 1830)
Gobiopsis malekulae (Herre, 1935) (**New record** from New Caledonia based on SMNS 23692 from Lifou, Loyalty Islands)
Heteroteleotris sp. (Undescribed species; record based on SMNS material from Lifou, Loyalty Islands)
Istigobius decoratus (Herre, 1927) (Reported from New Caledonia by Laboute & Grandperrin [2000: 417] under the name 'Gobiidae indéterminé 6')
Istigobius nigroocellatus (Günther, 1873) (Reported from New Caledonia by Laboute & Grandperrin [2000: 412] under the name *Istigobius* sp.)
Istigobius ornatus (Rüppell, 1830)
Istigobius rigilius (Herre, 1953)
Istigobius spence (Smith, 1947) (Synonym: *Acentrogobius aestuarius* Smith, 1959)
Koumansetta rainfordi (Whitley, 1940)
Lubricogobius exiguus Tanaka, 1915
Lubricogobius ornatus Fourmanoir, 1966
Macrodonogobius wilburi Herre, 1936
Mahidolia mystacina (Valenciennes in Cuvier & Valenciennes, 1837) (Synonym: *Mahidolia duque* Smith, 1947)
Mugilogobius mertoni (Weber, 1911)
Mugilogobius notospilus (Günther, 1877) (Synonym: *Mugilogobius duospilus*)
Oplopomus caninoides (Bleeker, 1852)
Oplopomus oplopomus (Valenciennes in Cuvier & Valenciennes, 1837)
Oxyurichthys papuensis (Valenciennes in Cuvier & Valenciennes, 1837) (Reported from New Caledonia by Laboute & Grandperrin [2000: 413] under the name *Oxyurichthys* sp.)
Oxyurichthys tentacularis (Valenciennes in Cuvier & Valenciennes, 1837)
Paragobiodon echinocephalus (Rüppell, 1828)
Paragobiodon lacunicolus (Kendall & Goldsborough, 1911)
Paragobiodon melanosomus (Bleeker, 1852)
Paragobiodon modestus (Regan, 1908) (**New record** from New Caledonia based on SMNS material from northern and southern Grande Terre, and Maré and Lifou, Loyalty Islands)
Paragobiodon xanthosomus (Bleeker, 1852)
Periophthalmus argentilineatus Valenciennes in Cuvier & Valenciennes, 1837 (Synonym: *Periophthalmus vulgaris* Eggert, 1935)
Pleurosicya bilobata (Koumans, 1941) (Synonym: *Pleurosicya taisnei* Plessis & Fourmanoir, 1966)
Pleurosicya coerulea Larson, 1990
Pleurosicya micheli Fourmanoir, 1971
Pleurosicya mossambica Smith, 1959
Priolepis cincta (Regan, 1908) (Synonym: *Priolepis naraharae*; reported from New Caledonia by some authors including Plessis & Fourmanoir [1966: 139] under the name *Quisquilius eugenius*)
Priolepis compita Winterbottom, 1985
Priolepis fallacincta Winterbottom & Burrige, 1992
Priolepis inhaca (Smith, 1949) (**New record** from New Caledonia based on SMNS 21677 from Lifou, Loyalty Islands)
Priolepis kappa Winterbottom & Burrige, 1992
Priolepis semidoliata (Valenciennes in Cuvier & Valenciennes, 1837)
Priolepis squamogena Winterbottom & Burrige, 1989 (**New record** from New Caledonia based on SMNS 22934 from Lifou, Loyalty Islands)
Stonogobiops yasha Yoshino & Shimada, 2001 (Reported from New Caledonia by Laboute & Grandperrin [2000: 414] under the name *Stonogobiops* sp.)
Sueviota lachneri Winterbottom & Hoese, 1988
Tomiyamichthys sp. (Reported from New Caledonia by Laboute & Grandperrin [2000: 417] under the name 'Gobiidae indéterminé 5')

Trimma sp. (Undescribed species; previously reported by several authors under the name *Trimma naudei*)
Trimma benjamini Winterbottom, 1996
Trimma caesiura Jordan & Seale, 1906
Trimma emeryi Winterbottom, 1985 (**New record** from New Caledonia based on SMNS material from Ile des Pins and Chesterfield Islands)
Trimma milta Winterbottom, 2002 (**New record** from New Caledonia based on SMNS material from Chesterfield Islands and Lifou, Loyalty Islands)
Trimma okinawae (Aoyagi, 1949)
Trimma striata (Herre, 1945) (Synonym: *Zonogobius capostriatus* Goren, 1981)
Trimma taylori Lobel, 1979
Trimma tevegae Cohen & Davis, 1969
Trimma unisquamis (Gosline, 1959)
Trimmatom eviotops (Schultz, 1943) (Synonym: *Eviota corneliae* Fricke, 1998)
Trimmatom nanus Winterbottom & Emery, 1981
Valenciennesa decora Hoese & Larson, 1994
Valenciennesa helsdingenii (Bleeker, 1858)
Valenciennesa limicola Hoese & Larson, 1994
Valenciennesa longipinnis (Lay & Bennett, 1839)
Valenciennesa parva Hoese & Larson, 1994
Valenciennesa puellaris (Tomiya, 1955)
Valenciennesa randalli Hoese & Larson, 1994
Valenciennesa strigata (Broussonet, 1782)
Valenciennesa wardii (Playfair, 1866)
Vanderhorstia sp. 1 (Undescribed species; Blackblotched shrimp goby; reported by several authors under the name *Vanderhorstia ornatissima*)
Vanderhorstia sp. 2 (Undescribed species; Halfstreaked shrimp goby; reported from New Caledonia by Laboute & Grandperrin [2000: 418] under the name 'Gobiidae indéterminé 10')
Vanderhorstia ambanoro (Fourmanoir, 1957)
Yongeichthys criniger (Valenciennes in Cuvier & Valenciennes, 1837) (Reported from New Caledonia by Laboute & Grandperrin [2000: 418] under the name 'Gobiidae indéterminé 12')
Yongeichthys nebulosus (Forsskål in Niebuhr, 1775)
Yongeichthys pavidus (Smith, 1959)

MICRODESMIDAE

Gunnellichthys curiosus Dawson, 1968
Gunnellichthys monostigma Smith, 1958
Gunnellichthys pleurotaenia Bleeker, 1858 (**New record** from New Caledonia based on SMNS 21546 from southern Grande Terre)
Gunnellichthys viridescens Dawson, 1968

PTERELEOTRIDAE

Nemateleotris decora Randall & Allen, 1973
Nemateleotris helfrichi Randall & Allen, 1973
Nemateleotris magnifica Fowler, 1938
Parioglossus dotui Tomiyama, 1958
Parioglossus neocaledonicus Dingerkus & Séret, 1992
Parioglossus philippinus (Here, 1945) (**New record** from New Caledonia based on SMNS material from southern Grande Terre and Lifou/Loyalty Islands)
Parioglossus nudus Rennis & Hoese, 1985 (**New record** from New Caledonia based on SMNS 21674 from Lifou/Loyalty Islands)
Parioglossus rainfordi McCulloch, 1921
Ptereleotris evides (Jordan & Hubbs, 1925)
Ptereleotris hanae (Jordan & Snyder, 1901)
Ptereleotris heteroptera (Bleeker, 1855)
Ptereleotris microlepis (Bleeker, 1856)
Ptereleotris monoptera Randall & Hoese, 1985
Ptereleotris zebra Fowler, 1938

EPHIPPIDAE

Platax orbicularis (Forsskål in Niebuhr, 1775)

Platax pinnatus (Linnaeus, 1758)

Platax teira (Forsskål in Niebuhr, 1775)

SCATOPHAGIDAE

Scatophagus argus (Linné, 1766)

Scatophagus tetracanthus (Lacepède, 1801)

Selenotoca multifasciata (Richardson, 1846)

SIGANIDAE

Siganus argenteus (Quoy & Gaimard, 1825)

Siganus corallinus (Valenciennes in Cuvier & Valenciennes, 1835)

Siganus doliatus Guérin-Méneville, 1829-1838

Siganus fuscescens (Houttuyn, 1782) (Synonym: *Siganus nebulosus*; reported from New Caledonia by several authors under the names *Siganus oramin* or *Siganus canaliculatus*, and by Laboute & Grandperrin [2000: 443] as *Siganus* sp.)

Siganus lineatus (Valenciennes in Cuvier & Valenciennes, 1835)

Siganus puellus (Schlegel, 1852)

Siganus punctatus (Forster in Bloch & Schneider, 1801)

Siganus spinus (Linnaeus, 1758)

Siganus uspi Gawel & Woodland, 1974

Siganus vermiculatus (Valenciennes in Cuvier & Valenciennes, 1835)

Siganus vulpinus (Schlegel & Müller, 1844)

Siganus woodlandi Randall & Kulbicki, 2005 (This species has been misidentified by authors as *Siganus argenteus* [non Quoy & Gaimard, 1825])

ZANCLIDAE

Zanclus cornutus (Linnaeus, 1758)

ACANTHURIDAE

Acanthurus achilles Shaw, 1803

Acanthurus albipectoralis Allen & Ayling, 1987

Acanthurus blochii Valenciennes in Cuvier & Valenciennes, 1835

Acanthurus dussumieri Valenciennes in Cuvier & Valenciennes, 1835

Acanthurus grammoptilus Richardson 1843 (**New record** from New Caledonia based on SMNS 22986 from southern Grande Terre)

Acanthurus guttatus Bloch & Schneider, 1801

Acanthurus leucopareius (Jenkins, 1903)

Acanthurus lineatus (Linnaeus, 1758)

Acanthurus mata (Cuvier in Cuvier & Valenciennes, 1829) (Synonym: *Acanthurus bleekeri*)

Acanthurus nigricans (Linnaeus, 1758) (Synonym: *Acanthurus aliala* Lesson, 1831; reported from New Caledonia by several authors under the name *Acanthurus gahm*).

Acanthurus nigricauda Duncker & Mohr, 1929

Acanthurus nigrofusus (Forsskål in Niebuhr, 1775)

Acanthurus nigroris (Valenciennes in Cuvier & Valenciennes, 1835) (**New record** from New Caledonia based on SMNS 19367 from the barrier reef off southern Grande-Terre)

Acanthurus nubilus (Fowler & Bean, 1929)

Acanthurus olivaceus Forster in Bloch & Schneider, 1801

Acanthurus pyroferus Kittlitz, 1834 (Synonym: *Acanthurus celebicus* Bleeker, 1852)

Acanthurus thompsoni (Fowler, 1923)

Acanthurus triostegus triostegus (Linnaeus, 1758)

Acanthurus xanthopterus Valenciennes in Cuvier & Valenciennes, 1835 (Synonym: *Acanthurus fuliginosus* Lesson, 1831)

Ctenochaetus binotatus Randall, 1955

Ctenochaetus cyanocheilus Randall & Clements, 2001 (Reported by various authors under the name *Ctenochaetus strigosus*)

Ctenochaetus striatus (Quoy & Gaimard, 1825)

Naso annulatus (Quoy & Gaimard, 1824)

Naso brachycentron (Valenciennes in Cuvier & Valenciennes, 1835)
Naso brevirostris (Cuvier, 1829) nfish
*Naso caesi*us Randall & Bell, 1992
Naso fageni Morrow, 1954 (doubtful record from New Caledonia by Randall [2002: 81])
Naso hexacanthus (Bleeker, 1855) (Synonyms: *Naso vomer*; *Naso thorpei*)
Naso lituratus (Forster in Bloch & Schneider, 1801)
Naso lopezi Herre, 1927
Naso maculatus Randall & Struhsaker, 1981
Naso tonganus (Valenciennes in Cuvier & Valenciennes, 1835) (Reported by various authors under the name *Naso tuberosus*)
Naso unicornis (Forsskal in Niebuhr, 1775)
Naso vlamingii (Valenciennes in Cuvier & Valenciennes, 1835)
Paracanthurus hepatus (Linné, 1766)
Prionurus maculatus Ogilby, 1887
Zebrasoma scopas (Cuvier, 1829)
Zebrasoma veliferum (Bloch, 1797) (Synonym: *Zebrasoma veliferum novacaledoniae* Borodin, 1932; reported by Fourmanoir & Laboute [1976: 210] and other authors under the name *Zebrasoma desjardini*)

SPHYRAENIDAE

A record of *Sphyraena waitii* Ogilby, 1908 by several authors (under the name *S. waittei*) needs verification.

Sphyraena barracuda (Walbaum, 1792)
Sphyraena flavicauda Rüppell, 1838
Sphyraena forsteri (Cuvier in Cuvier & Valenciennes, 1829) (Synonym: *Sphyraena toxema* Fowler, 1904; reported from New Caledonia by authors under the name *Sphyraena japonica*, and by Laboute & Grandperrin [2000: 337] as *Sphyraena* sp. 2)
Sphyraena helleri Jenkins, 1901 (Reported from New Caledonia by authors under the name *Sphyraena acutipinnis* and *Sphyraena novaehollandiae*)
Sphyraena jello Cuvier in Cuvier & Valenciennes, 1829 (Reported from New Caledonia by Laboute & Grandperrin [2000: 337] under the name *Sphyraena* sp. 1)
Sphyraena obtusata Cuvier in Cuvier & Valenciennes, 1829 (Reported from New Caledonia by Fourmanoir & Laboute [1976: 185] under the name *Sphyraena chrysotaenia*)
Sphyraena putnamae Jordan & Seale, 1905 (Synonym: *Sphyraena bleekeri* Williams, 1959)
Sphyraena genie Klunzinger, 1870

GEMPYLIDAE

Gempylus serpens Cuvier, 1829
Prometichthys prometheus (Cuvier in Cuvier & Valenciennes, 1831)
Ruvettus pretiosus Cocco, 1829

TRICHIURIDAE

Trichiurus lepturus Linnaeus, 1758 (Synonym: *Trichiurus haumela*)

SCOMBRIDAE

Acanthocybium solandri (Cuvier in Cuvier & Valenciennes, 1831)
Auxis thazard (Lacepède, 1801)
Euthynnus affinis (Cantor, 1849)
Grammatorcynus bicarinatus (Quoy & Gaimard, 1824)
Grammatorcynus bilineatus (Rüppell, 1836)
Gymnosarda unicolor (Rüppell, 1838)
Katsuwonus pelamis (Linnaeus, 1758)
Rastrelliger kanagurta (Cuvier, 1829)
Scomberomorus commerson (Lacepède, 1802)
Thunnus alalunga (Bonnaterre, 1788)
Thunnus albacares (Bonnaterre, 1788)
Thunnus obesus (Lowe, 1839)

NOMEIDAE

Psenes cyanophrys Valenciennes in Cuvier & Valenciennes, 1833

CAPROIDAE

Antigonia capros Lowe, 1843

PARALICHTHIDAE

Pseudorhombus arsius (Hamilton Buchanan, 1822)

BOTHIDAE

Arnoglossus dalgleyi (Bonde, 1922) (**New record** from New Caledonia, based on SMNS 23571 from Lifou, Loyalty Islands)

Arnoglossus japonicus Hubbs, 1915

Arnoglossus macrolophus (Alcock, 1899)

Arnoglossus polyspilus (Günther, 1880)

Arnoglossus tenuis Günther, 1880

Asterorhombus annulatus (Weber, 1913)

Asterorhombus fijiensis (Norman, 1931)

Asterorhombus filifer Hensley & Randall, 2003

Asterorhombus intermedius (Bleeker, 1866)

Bothus mancus (Broussonet, 1782) (Synonym: *Pleuronectes lunulatus* Jouan, 1861)

Bothus pantherinus (Rüppell, 1830)

Engyprosopon bellonaensis Amaoka, Mihara & Rivaton, 1993

Engyprosopon grandisquamum (Temminck & Schlegel, 1846)

Engyprosopon hureaui Quérou & Golani, 1990

Engyprosopon longipterum Amaoka, Mihara & Rivaton, 1993

Engyprosopon macrolepis (Regan, 1908)

Engyprosopon maldivensis (Regan, 1908)

Engyprosopon rostratum Amaoka, Mihara & Rivaton, 1993

Engyprosopon septempes Amaoka, Mihara & Rivaton, 1993 (The species has been reported from the Chesterfield Islands under the names *Engyprosopon longipelvis* or *Engyprosopon latifrons*)

Grammatobothus pennatus Ogilby, 1913

Grammatobothus polyophthalmus (Bleeker, 1866)

SAMARIDAE

Samaris cristatus Gray, 1831

Samaris macrolepis Norman, 1927

Samaris spinea Mihara & Amaoka, 2004

Samariscus latus Matsubara & Takamuri, 1951

Samariscus triocellatus Woods in Schultz, Woods & Lachner, 1966

SOLEIDAE

Aesopia cornuta (Kaup, 1858)

Aseraggodes magnoculus Randall, 2005

Aseraggodes melanostictus (Peters, 1877) (**New record** from New Caledonia based on SMNS 23790 from Lifou, Loyalty Islands)

Aseraggodes ramsayi (Ogilby, 1889)

Aseraggodes whitakeri Woods in Schultz *et al.*, 1966

Pardachirus pavoninus (Lacepède, 1802)

Soleichthys heterorhinos (Bleeker, 1856)

Zebrias japonica (Bleeker, 1860)

CYNOGLOSSIDAE

Cynoglossus interruptus Günther, 1880

BALISTIDAE

A record of *Pseudobalistes flavimarginatus* (Rüppell, 1829) by Rivaton *et al.* (1989: 26) needs verification.

Abalistes stellatus (Anonymus [ex Commerson, ex Lacepède], 1798)

Balistapus undulatus (Mungo Park, 1797)

Balistoides conspicillum (Bloch & Schneider, 1801)

Balistoides viridescens (Bloch & Schneider, 1801)

Canthidermis maculatus (Bloch, 1786)

Melichthys vidua (Solander, 1844)

Odonus niger (Rüppell, 1836) (Synonym: *Balistes erythrodon* Günther, 1870)

Pseudobalistes fuscus (Bloch & Schneider, 1801)
Rhinecanthus aculeatus (Linnaeus, 1758)
Rhinecanthus lunula Randall & Steene, 1983
Rhinecanthus rectangulus (Bloch & Schneider, 1801)
Rhinecanthus verrucosus (Linnaeus, 1758)
Sufflamen bursa (Bloch & Schneider, 1801)
Sufflamen chrysopterum (Bloch & Schneider, 1801)
Sufflamen fraenatum (Latreille, 1804) (Synonym: *Sufflamen capistratus*)
Xanthichthys auromarginatus (Bennett, 1831) (Reported by several authors under the name *Xanthichthys ringens* or *Balistes ringens*)

MONACANTHIDAE

Acreichthys radiatus (Popta, 1900)
Acreichthys tomentosus (Linnaeus, 1758) (Reported from New Caledonia by Laboute & Grandperrin [2000: 461] under the name 'Monacanthidae indéterminé 1')
Aluteres monoceros (Linnaeus, 1758)
Aluteres scriptus (Osbeck, 1765)
Amanses scopas (Cuvier, 1829)
Brachaluteres jacksonianus (Quoy & Gaimard, 1824)
Brachaluteres taylori Woods in Schultz, Woods & Lachner, 1966
Cantherhines dumerilii (Hollard, 1854)
Cantherhines fronticinctus (Günther in Playfair & Günther, 1867)
Cantherhines pardalis (Rüppell, 1835)
Kentrocapros flavofasciatus (Kamohara, 1938)
Oxymonacanthus longirostris (Bloch & Schneider, 1801)
Paraluteres prionurus (Bleeker, 1851)
Paramonacanthus curtiorhynchus (Bleeker, 1855) (Reported by several authors under the name *Paramonacanthus japonicus*, and by Laboute & Grandperrin [2000: 461] under the name 'Monacanthidae indéterminé 2')
Paramonacanthus lowei Hutchins, 1997
Pervagor alternans (Ogilby, 1889)
Pervagor aspricaudus (Hollard, 1854)
Pervagor janthinosoma (Bleeker, 1854)
Pervagor melanocephalus (Bleeker, 1853)
Pseudalutarius nasicornis (Temminck & Schlegel, 1846)
Thamnaconus modestoides (Barnard, 1927)

OSTRACIIDAE

Lactoria cornuta (Linnaeus, 1758)
Lactoria diaphana (Bloch & Schneider, 1801)
Lactoria fornasini (Bianconi, 1846)
Ostracion cubicus Linnaeus, 1758 (Synonym: *Ostracion tuberculatus* Linnaeus, 1758)
Ostracion meleagris Shaw, 1796
Tetrosomus concatenatus (Bloch & Schneider, 1801)
Tetrosomus gibbosus (Linnaeus, 1758)

TRIODONTIDAE

Triodon macropterus Lesson in Cuvier & Valenciennes, 1829

TETRAODONTIDAE

Arothron alboreticulatus (Tanaka, 1908)
Arothron caeruleopunctatus Matsura, 1994
Arothron hispidus (Linnaeus, 1758)
Arothron immaculatus (Bloch & Schneider, 1801)
Arothron manilensis (Marion de Procé, 1822)
Arothron mappa (Lesson, 1830)
Arothron meleagris (Lacepède, 1798)
Arothron nigropunctatus (Bloch & Schneider, 1801)
Arothron stellatus (Bloch & Schneider, 1801)

Canthigaster amboinensis (Bleeker, 1865) (**New record** from New Caledonia based on SMNS 23610 from Lifou, Loyalty Islands)
Canthigaster bennetti (Bleeker, 1854)
Canthigaster compressa (Marion de Procé, 1822)
Canthigaster coronata (Vaillant & Sauvage, 1875)
Canthigaster epilampra (Jenkins, 1903)
Canthigaster janthinoptera (Bleeker, 1855)
Canthigaster ocellicincta Allen & Randall, 1977
Canthigaster papua (Bleeker, 1848)
Canthigaster rivulata (Temminck & Schlegel, 1850)
Canthigaster solandri (Richardson, 1844)
Canthigaster valentini (Bleeker, 1853)
Chelonodon patoca (Hamilton Buchanan, 1822) (**New record** from New Caledonia based on AMS IB.7080 from southern Grande Terre; specimen identified by G. Hardy)
Lagocephalus sceleratus (Gmelin, 1789)
Sphoeroides pachygaster (Müller & Troschel, 1848)
Torquigener brevipinnis (Regan, 1902)
Torquigener hypselogeneion (Bleeker, 1852)
Torquigener pallimaculatus Hardy, 1983
Torquigener tuberculiferus (Ogilby, 1912)
Tylerinus spinosissimus (Regan, 1908)

DIODONTIDAE

Cyclichthys spilostylus (Leis & Randall, 1982)
Cyclichthys orbicularis (Bloch, 1785)
Diodon holocanthus Linnaeus, 1758
Diodon hystrix (Linnaeus, 1758)
Diodon liturosus Shaw, 1804
Lophodiodon calori (Bianconi, 1855)

MOLIDAE

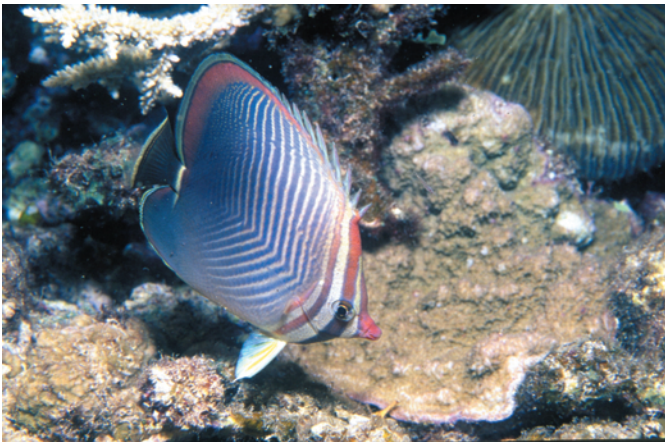
Masturus lanceolatus (Liénard, 1841)
Mola mola (Linnaeus, 1758)
Mola ramsayi (Giglioli, 1883)
Ranzania laevis (Pennant, 1776)



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Acanthurus olivaceus

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Caesio cuning

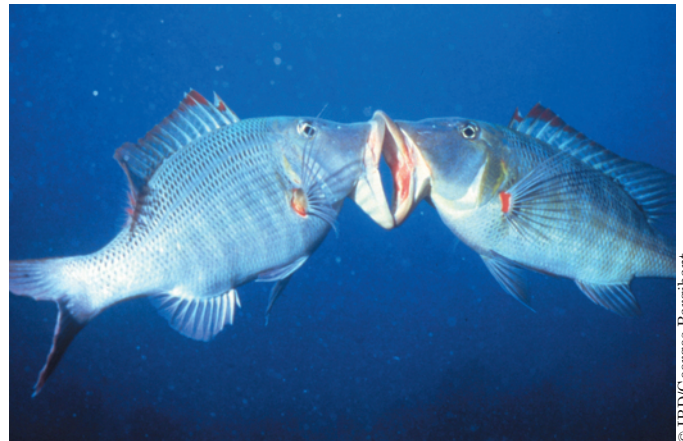
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Chaetodon baronessa

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Oxycheilinus bimaculatus

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Gymnothorax nudivomer

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Lethrinus miniatus

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Lutjanus adetii

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Manta birostris



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Mulloidichthys vanicolensis

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Oxymonacanthus longirostris

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Paracirrhites forsteri

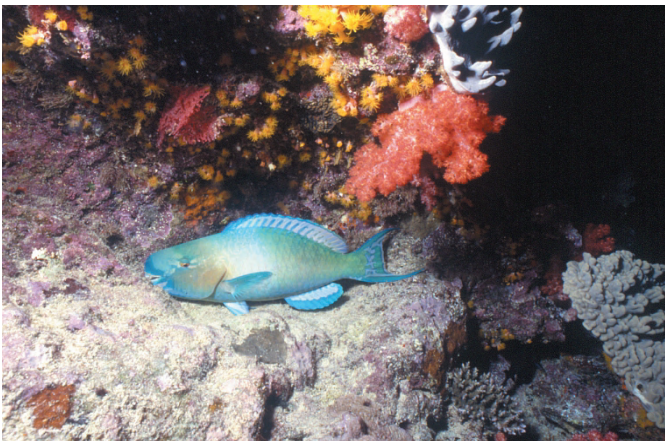
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Parupeneus indicus

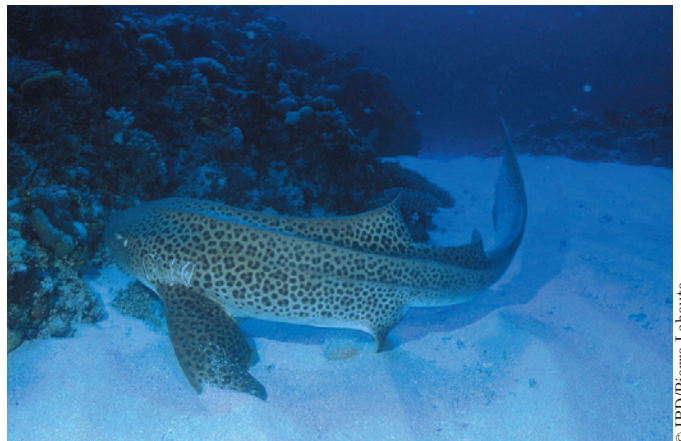
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Pomacanthus semicirculatus

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Sargocentron rubrum

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Scarus rubroviolaceus

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Stegostoma fasciatum