

Kimberley marine biota. Historical data: fishes

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ABSTRACT – Museum databases contain vast amounts of information that can help understand species distributions, patterns of biodiversity, taxonomic issues, evolutionary relationships and the effects of anthropogenic changes such as climate change. The marine waters of the Kimberley region in north-west Australia are among the least impacted marine ecosystems in the world, so there is a need to compile the extensive museum records for the region and make them more widely accessible. Here, we synthesise records of shallow water marine fish species in the Kimberley collected between 1880 and 2009. Based on 8,326 specimen-based records and thousands of reliable visual records from some 123 broad localities, a total of 1,475 species from 135 families were identified. Pronounced cross continental shelf differences in the fish communities exist with only 20% of species common to both inshore and offshore locales. Offshore atolls have very high species diversity, typified by wide ranging Indo-West Pacific species. In contrast, inshore reefs have lower diversity but support a much higher proportion of endemic species. The marine communities of the Kimberley face increasing pressure from resource development, fishing and tourism, so continued biodiversity and taxonomic research is essential to inform management decisions.

KEYWORDS: baseline data, biodiversity, natural history collections, north-west Australia, species inventory

INTRODUCTION

Records of which species exist at particular locations are fundamental to broader questions of biogeography, ecology and management (Pyke and Ehrlich 2010). Such records serve to map species distributions, understand patterns of biodiversity including hotspots and even to interpret evolutionary pathways (e.g. Hutchins 2001; Roberts et al. 2002; Mora et al. 2003; Briggs and Bowen 2013; Gaither and Rocha 2013). Importantly, these records can also provide historical baseline data to monitor the effects of anthropogenic changes such as climate change (Perry et al. 2005).

The marine waters of the Kimberley and offshore regions in north-west Australia are recognised as including some of the least impacted marine ecosystems in the world (Halpern et al. 2008). Despite this recognition, many of the important baseline biodiversity data for the region are stored in museum databases and/or presented in unpublished 'grey' literature. There is a need to compile these data and make them more widely

accessible in order to inform management decisions in the Kimberley, which faces increasing pressure from resource development, fishing and tourism (Wood and Mills 2008; Pyke and Ehrlich 2010).

Some of the earliest accounts of fish collections from the Kimberley were made by Gray (1827), Richardson (1848) and Saville-Kent (1889). Several other smaller collections were made in the area in the late 19th and early 20th centuries, including during the Mjöberg expeditions (Rendahl 1921). It was not until the 1980s that comprehensive surveys by various Australian museums began to capture the true biodiversity of the region.

The Western Australian Museum (WAM) and other Australian natural science institutions have undertaken marine biodiversity surveys of a range of taxa in the Kimberley inshore and offshore waters (e.g. Berry 1986, 1993; Wells et al. 1995; Walker et al. 1996; Bryce et al. 1997; Walker 1997). Fishes have featured prominently in these surveys (Allen and Russell 1986; Allen 1992, 1993; Hutchins 1995, 1996, 1997, 1998; Morrison and Hutchins 1997; Moore and Morrison 2009), yet there is still much

to uncover. New species of fishes continue to be described from the region (e.g. Johnson 2012) and several species complexes are thought to contain multiple taxa (personal observations). Recent surveys continue to add new records to the known fauna and to extend the range distributions of some species (unpublished data).

AIM

The aim of this project was to synthesise records of shallow water (<30 m) fish species in the Kimberley Project Area collected between 1880 and 2009, and to assess diversity trends and taxonomic and collection gaps in the region's fish fauna (see Sampey et al. 2014).

METHODS

The Kimberley Project Area encompasses an area west and north of the Kimberley coast (south of Broome to the Western Australia-Northern Territory border) extending beyond the 1000 m bathymetric contour, with the coastline forming a natural inshore boundary, as shown in Figure 1 (see Sampey et al. 2014 for a full explanation of the study area). This incorporates an offshore area greater than what is often considered 'Kimberley' (Wilson 2013).

Marine fish data for the Kimberley Project Area (intertidal to 30 m) were sourced from the collection databases of WAM, Australian Museum (AMS) and Museum and Art Gallery of the Northern Territory (MAGNT), along with published species lists by reliable museum-based fish taxonomists in ten reports (Allen and Russell 1986; Allen 1992, 1993; Hutchins 1995, 1996, 1997, 1998; Hutchins et al. 1995; Morrison and Hutchins 1997; Moore and Morrison 2009). Specimens were not re-examined for this study. Records representing undescribed species were retained when it was clear that a taxonomist working on the group considered them as valid operational taxonomic units (OTU). Species records based on dubious identifications (e.g. from well outside their known distributions) were removed from further analyses. The numbers of species presented here differ marginally from those of Sampey et al. (2014) because our dataset was refined slightly after submission of that paper; however it has no effect on the general trends identified by those authors.

The species names and taxonomic affinities used in this treatment are based on the Australian Faunal Directory (ABRS 2014) and the Catalog of Fishes (Eschmeyer 2014). Full methodological details are provided in Sampey et al. (2014). Briefly, data from all sources mentioned above were

collated into a single database and the provenance details verified. The locations of specimen records were mapped using ARCGIS v9 and ArcMap v9.3.

Throughout, 'inshore' refers to locations along the coast and the numerous islands and reefs found shoreward of the 50 m depth contour (Figure 1). 'Offshore' refers to the shelf edge atolls, which arise from deeper waters (200–400 m) along the continental margin (Figure 1).

Where possible, each species was coded for its known biogeographic range and habitat preferences based on Allen (2009), ABRS (2014) or Eschmeyer (2014). The categories used to code the distribution and preferred habitats of each species are listed in Table 1. A species may exploit several habitats, so multiple codes were used as appropriate.

RESULTS

A total of 8,326 registered specimen lots were included in the dataset (4,941 from WAM, 2,626 from MAGNT and 759 from AMS, which represents 59%, 32% and 9% of the total, respectively). Many thousands of additional visual records from across the region were included. The oldest specimen records used in this dataset dated from 1886 (a small collection from Derby by C. Lees, housed at AMS), and other early records included incidental collections by Saville-Kent in the 1880–1890s (also housed at AMS), and a mullet collected in 1900 (at WAM). The present data are derived from hundreds of collecting sites within 123 geographic localities (e.g. feature such as island or bay), of which eight are considered 'offshore' (Figure 1, Table 2).

A total of 1475 species were accepted into the dataset, of which 714 were recorded from inshore waters and 1061 from offshore waters (Appendix 1). This includes eight that were identified as an OTU. These species represent 135 families, the most speciose of which were: Gobiidae (185 species), Labridae (122), Pomacentridae (97), Apogonidae (81) and Serranidae (60). A further 42 species were recorded in the source databases, but were excluded from our dataset because we considered their identification to be dubious (Appendix 2). They are highlighted here because these potentially confusing records have been reported in other publications and/or databases.

The most diverse assemblage records were from the offshore sites: Ashmore Reef (809 species), Scott Reef (627 species) and Clerke Reef (477 species), however extensive assemblages were also identified from some inshore areas, such as Broome (281 species), Cassini Island (171 species) and Beagle Bay (144 species) (Table 2). Collection effort between

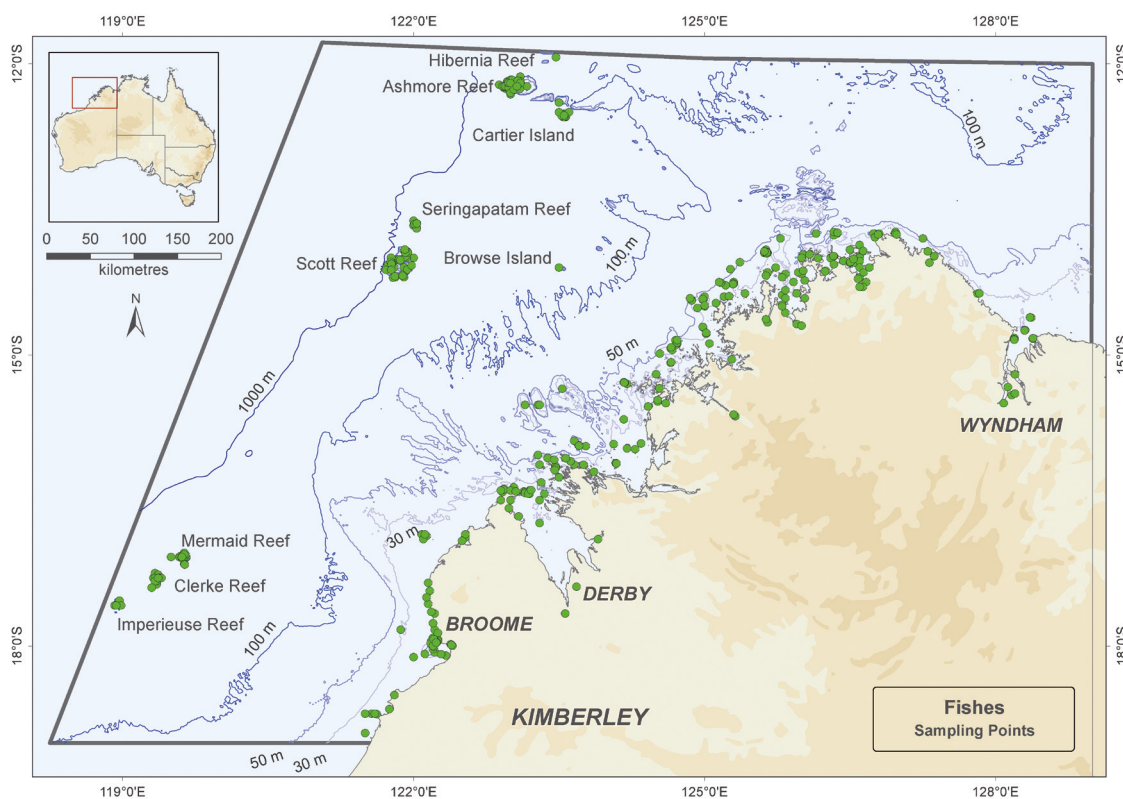


FIGURE 1 Location of historical records of fishes in the Kimberley Project Area of Western Australia. The Project Area boundary is marked in grey. Map projection: GDA94, Scale: 1:6, 250,000.

sites was not consistent (Table 2). Over half of the species (52% or 761 species) recorded in the region are so far known only from offshore waters, while around 28% (414 species) are currently known only from inshore waters. The remaining 20% (300 species) were recorded from both inshore and offshore regions.

Most species were considered to be widely distributed across the Indo-West Pacific (Table 3, Appendix 1). There were 98 inshore species (14% of inshore species) considered endemic to Australia compared with only 24 offshore species (2% of offshore species) (Table 3). Eleven species are currently considered endemic to the Kimberley Project Area, namely *Pseudanthias sheni*, *Assiculoides desmonotus*, *Pomacentrus limosus*, *Cirrhilabrus morrisoni*, *Conniella apterygia*, *Cirripectes alleni*, *Ecsenius alleni*, *Meiacanthus naevius*, *Stonogobiops larsonae*, *Xenisthmus chi* and *Xenisthmus semicinctus*.

Based on the collated habitat preferences, more than 76% of all species in the dataset utilise hard substrates, 26% utilise soft substrates and around 14% include the water column (pelagic) among their habitat preferences (Table 4, Figure 3). Most offshore species prefer hard substrates, while both hard and

soft substrates are broadly utilised by the inshore fish species (Table 4, Figure 3). More than 10% of the species may be found in estuarine or mangrove areas of the Kimberley, but these are generally inshore species (Table 4, Figure 3).

DISCUSSION

With nearly 1500 species, the Kimberley Project Area is home to around half of all species of fishes known from Western Australia. This diversity is broadly comparable to that of the Great Barrier Reef World Heritage Area (Hoese et al. 2006). Consequently it is a region of immense importance, with a need for ongoing biodiversity and biogeographic research. Here, we present an important first step in a comprehensive summary of major museum records to 2009. Other non-museum data exist for some shallow water parts of the Kimberley Project Area, particularly the offshore regions (e.g. Done et al. 1994; Kospartov et al. 2006) and the WAM Woodside Collection Project (Kimberley) 2008–2015 will provide additional records, collected in a semi quantitative manner, in the future (unpublished data).

TABLE 1 Biogeographic and habitat codes assigned to fish species in the Kimberley Project Area dataset.

Code	Definition
BIOGEOGRAPHIC	
A	<i>Australian endemic</i> . Found in tropical and temperate Australian waters.
C	<i>Circumglobal</i> . Found in all oceans in either tropical or tropical/temperate waters.
IA	<i>Indo-Australian</i> . Found in Australian and Indonesian waters, may extend to the Philippines and Japan.
IO	<i>Indian Ocean</i> . Restricted to the Indian Ocean.
IP	<i>Indo-Pacific</i> . Found in the Red Sea, Indian and Pacific Oceans.
IWP	<i>Indo-West Pacific</i> . Found in the Red Sea, Indian and western Pacific Oceans. A few widespread species are also known from the Atlantic (IWP/AT).
NA	<i>Northern Australian endemic</i> . Found in tropical Australian waters.
WA	<i>Western Australian endemic</i> . Known only from Western Australian waters.
U	<i>Unknown</i> . Used only for an undescribed OTU.
HABITAT	
A	<i>Amphibious</i> . Living along the land/water interface.
E	<i>Estuarine</i> . Found in estuarine or brackish waters.
EnZ	<i>Endozoic</i> . Always found in an internal association with a particular species of animal, i.e. living within another animal.
EZ	<i>Epizoic</i> . Always found in an external association with a particular species of animal.
FW	<i>Freshwater</i> . Found in freshwater. Only included in this dataset if also associated with another habitat.
H	<i>Hard Substrate</i> . Found associated with hard substrates (e.g. rock, coral, rubble).
M	<i>Mangrove</i> . Found amongst mangroves.
P	<i>Pelagic</i> . Found in the water column.
S	<i>Soft Substrate</i> . Found associated with soft substrates (e.g. sand, mud).
SG	<i>Seagrass</i> . Found associated with seagrass meadows.

TABLE 2 Summary of locations of historical fish records, the range of years over which the records were collected, the number of collection events (see Sampey et al. 2014 for how this was determined), and the number of fish species and families known from each location.

Location	Collecting Years	No. Coll. Events	No. Species	No. Families
INSHORE SITES				
Adele Island	1952–1986	4	15	10
Admiral Island	1994	1	30	17
Admiralty Gulf	1968–1989	4	23	17
Albert Islands	1996	1	1	1
Beagle Bay	1997	1	144	53
Beagle Reef	1991	1	88	32
Bedford Island	1911–1994	3	42	23
Berthier Island	1996	1	34	20
Bigge Island	1996	1	24	12
Bonaparte Archipelago	1978	1	16	13
Borda Island	1968–1968	1	1	1
Brecknock Island	1994	1	26	13
Broome	1901–2004	56	281	90
Browse Island	1949	1	1	1
Buffon Island	1988	1	1	1

Location	Collecting Years	No. Coll. Events	No. Species	No. Families
Caffarelli Island	1994	1	20	9
Cambridge Gulf	1891–1995	4	24	19
Camden Sound	1990	1	1	1
Cape Boileau	1982–1983	3	10	8
Cape Bossut	1929–1982	4	12	10
Cape Domett	1995	1	15	9
Cape Jaubert	1929	1	2	2
Cape Leveque	1929–1987	4	54	27
Cape Londonderry	1946–1995	2	81	36
Cape Talbot	1995	1	72	30
Careening Bay	1994	1	25	18
Cassini Island	1988–1998	5	171	38
Champagny Island	1949	1	1	1
Churchill Reef	1991–1996	2	75	28
Cockatoo Island	1911–1963	4	9	8
Colbert Island	1976–1996	2	30	16
Corneille Island	1888	1	1	1
Coulomb Point	1981–1983	2	34	23
Cygnat Bay	1949–1996	2	28	17
De Freycinet Island	1996	1	32	12
Derby	1886–2003	13	28	19
Fenelon Island	1985	1	8	7
Freshwater Bay	1995	1	15	10
Gagg Island	1994	1	28	13
Gibbings Reefs	1996	1	39	18
Gourdon Bay	1982–1983	2	8	7
Gregory Island	1994	1	30	14
Hale Island	1991	1	38	17
Hedley Island	1996	1	24	14
Heritage Reef	1991–1996	2	72	22
Ingram Shoals	1998	1	8	4
Irvine Island	1994	1	42	16
Jackson Island	1994	1	1	1
James Price Point	1981–1982	2	29	18
Jamieson Reef	1996	1	44	13
Jar Island	1995	1	43	24
Jones Island	1991–1996	3	42	25
Jussieu Island	1996	1	41	14
Kalumburu	1900–1992	5	36	19
Kathleen Island	1994	1	3	3
Keraudren Island	1977	1	1	1
King Edward River	1995	1	6	4
King George River	1991–1995	2	19	16
King Sound	1924–1986	3	10	8
Kingfisher Island	1994–1996	2	53	31
Koolan Island	1969–1981	2	2	2
Kuri Bay	1964–1995	3	5	5
Lacepede Islands	1945–1991	4	30	20
Lacrosse Island	1995	1	14	11
Lamarck Island	1996	1	39	22
Langey Crossing	1966	1	1	1
Lawley River	1976	1	8	6
Leonie Island	1994	1	37	24
Lesueur Island	1991	1	30	18
Long Island	1995	1	48	21

Location	Collecting Years	No. Coll. Events	No. Species	No. Families
Long Reef	1991–1995	3	72	21
Lord Island	1991–1994	2	34	18
Louis Islands	1995	1	69	32
Lucas Island	1988	1	1	1
Mackenzie Anchorage	1995	1	25	14
Macleay Island	1994–1996	3	36	17
Maret Islands	1949–1996	2	34	15
Medusa Banks	1968–1968	3	10	7
Mermaid Island	1994	1	17	6
Mitchell River	1968	1	1	1
Montalivet Islands	1991–1996	2	70	20
Montesquieu Island	2003	1	1	1
Montgomery Reef	1994–1996	2	117	48
Myrmidon Ledge	1995	1	17	13
Napier Broome Bay	1968–1995	7	82	42
Osborne Islands	1967	1	2	1
Parry Harbour	1976–1991	2	2	2
Pender Bay	1991	1	3	3
Port Warrender	1976–1986	3	14	10
Powerful Island	1991	1	62	32
Prince Frederick Harbour	1973	1	1	1
Prince Regent River	1974–1991	2	12	10
Prudhoe Islands	1988–1996	2	34	14
Quondong Point	1982	1	23	17
Reveley Island	1995	1	26	20
Robroy Reefs	1991–1996	2	96	26
Scorpion Island	1991	1	38	20
Slate Islands	1996	1	29	17
Solem Islands	1991	1	73	24
Stokes Bay	1917	1	1	1
Sunday Island	1917–1994	4	123	40
Talbot Bay	1994	1	17	10
Tallon Island	1994	1	38	21
Troughton Island		1	1	1
Vansittart Bay	1968–1995	3	32	22
Walsh Point	1976	1	31	19
West Governor Island	1995	1	41	22
Whirlpool Pass	1994	1	50	31
White Island	1996	1	21	11
Wildcat Reefs	1996	1	66	27
Woodward Island	1991	1	44	16
Wyndham	1957–1985	7	20	16
Yampi Sound	1945–1968	14	21	13
Yankawgarri Island	1991	1	78	26
York Sound	1975	1	3	3
OFFSHORE SITES				
Ashmore Reef	1972–1997	13	809	90
Cartier Island	1949–1998	10	428	68
Clerke Reef	1973–1993	7	477	66
Hibernia Reef	1992–1998	5	352	55
Imperieuse Reef	1973–1990	4	39	15
Mermaid Reef	1973–2006	4	406	56
Scott Reef	1908–2006	10	627	64
Seringapatam Reef	1984–2006	4	296	43

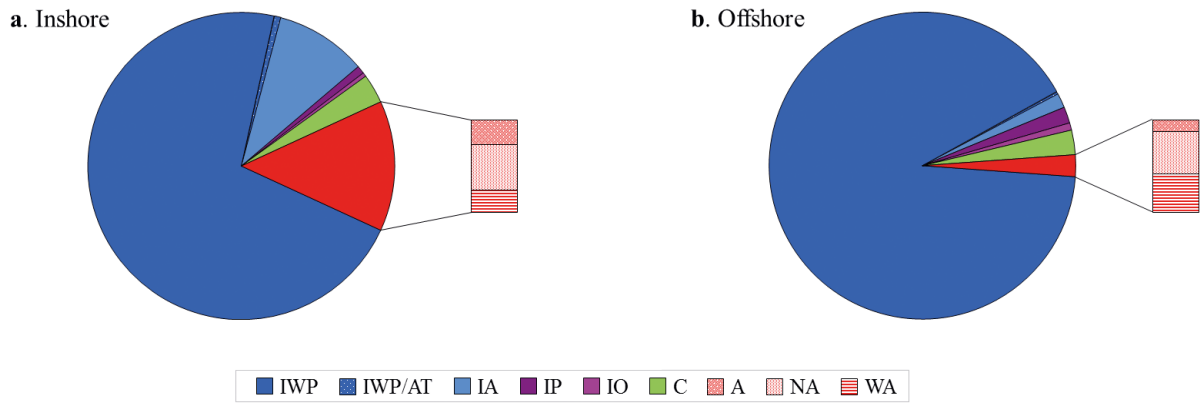


FIGURE 2 Biogeographic affinities of all species of fishes in the Kimberley Project Area dataset. a. species recorded inshore; b. species recorded offshore. Australian endemics are pooled in the pie graph (represented by solid red) and expanded inset. Abbreviations are as follows: IWP, Indo-West Pacific; AT, Atlantic; IA, Indo-Australian; IO, Indian Ocean; C, circumglobal; A, Australia; NA, Northern Australia; WA, Western Australia.

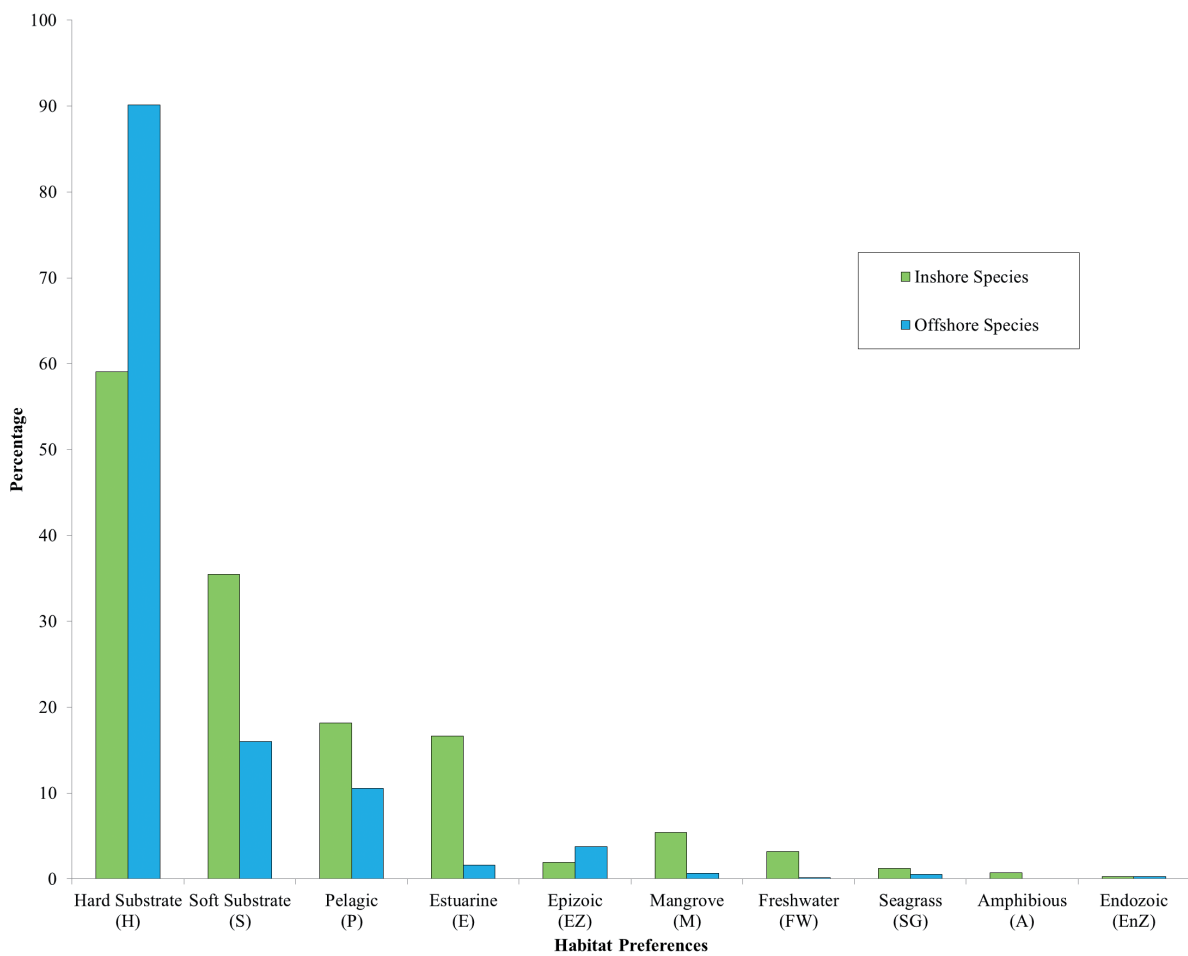


FIGURE 3 Habitat preferences of species of fishes recorded inshore and offshore in the Kimberley Project Area dataset. Note that many species utilise more than one habitat. Data presented in Table 4.

TABLE 3 The biogeographical distribution of fish species recorded in the Kimberley Project Area dataset. Species with distributions marked by an asterisk (*) are considered endemic to Australia.

Biogeographic Region (Code)	Inshore Sites	Offshore Sites
Australian (A)*	25	3
Circumtropical (C)	22	29
Indo-Australian (IA)	69	16
Indian Ocean (IO)	3	8
Indo-Pacific (IP)	6	18
Indo-West Pacific (IWP)	510	959
Indo-West Pacific/Atlantic (IWP/AT)	5	3
Northern Australian (NA)*	50	11
Western Australian (WA)*	23	10
Unknown (U)	1	4
TOTAL	714	1061

TABLE 4 The habitats of fish species recorded in the Kimberley Project Area dataset. Many species utilise several habitats and are therefore represented in multiple habitat counts (see Appendix 1). Data summarised in Figure 3.

Habitat	Inshore Species		Offshore Species	
	No. Species	%	No. Species	%
Amphibious (A)	5	0.7	0	0.0
Estuarine (E)	119	16.7	17	1.6
Endozoic (EnZ)	2	0.3	3	0.3
Epizoic (EZ)	14	2.0	40	3.8
Freshwater (FW)	23	3.2	2	0.2
Hard Substrate (H)	422	59.5	956	90.5
Mangrove (M)	39	5.5	7	0.7
Pelagic (P)	130	18.4	112	10.6
Soft Substrate (S)	252	35.7	170	16.1
Seagrass (SG)	9	1.3	6	0.6

Most species in this dataset can be considered primarily reef associated. This is expected given that fish diversity and abundance is known to be strongly influenced by habitat complexity and benthic biological diversity (e.g. Gratwicke and Speight 2005; Komyakova et al. 2013). In the present dataset, this finding probably also partly reflects a bias towards sampling of hard substrate communities.

The marine fish fauna of the Kimberley Project Area is characterised by widespread species, most of which are found throughout the Indo-West Pacific. The prominent families are among the most speciose marine fish families in the region (Allen and Erdmann 2012). For other species (e.g. *Chrysiptera hemicyanea*, *Halophryne ocellatus*, *Labracinus cyclophthalmus*), the Kimberley is at the edge of their known distribution ranges.

Importantly, some 120 fish species recorded from the Kimberley Project Area are considered endemic to Australia, and 11 of these are restricted to the Kimberley. Endemism is particularly prominent among the inshore fauna. This level of endemism is relatively high for tropical Australian fish communities (Hoese et al. 2006). The offshore areas have had formal protection for some time and protection of the inshore reefs, which support the highest endemism, is in progress (MPRA 2013). At least one species in this data set (*Pristis zijsron*) is listed as threatened (Australian Government 1999). However, other threatened species are known to inhabit the area but have not been recorded by museum surveys (e.g. *Rhincodon typus*), and others are reliant on the estuarine systems of the Kimberley and not captured in the present dataset (e.g. *Glyphis* spp., *Pristis* spp.).

Hutchins (1999) recognised longitudinal patterns in the composition of the inshore fish fauna in the Kimberley and it is beyond the scope of the present paper to revisit that analysis. However, the present data highlight a pronounced difference in species composition between inshore and offshore regions, with only about 20% of species shared between inshore and offshore regions. More than half of all species in the dataset have only been recorded on the offshore atolls, which support some of the greatest fish diversity and abundance in Australia (Allen 1993; Done et al. 1994; Hutchins 1998; Moore and Morrison 2009). Such faunal differences are expected and recognised (e.g. Allen and Russell 1986; Wilson 2014) because the areas are classified as different bioregions with contrasting physical and environmental conditions (Commonwealth of Australia 2006). The inshore Canning, Kimberley and Bonaparte Gulf Bioregions are recognised for their fringing rocky reefs and turbid water in a macrotidal setting. In contrast, the Oceanic Shoals Bioregion comprises shelf edge atolls and platform reefs in clear oceanic water. The differences in habitat preferences largely reflect this contrast.

Museum data contain a wealth of important information in the fields of taxonomy, biodiversity, biogeography, evolution and conservation. However there are well known limitations to using such data, due to the variable and largely qualitative manner in which it has often been collected. Considerable effort is being put into developing models and methods for utilising the information contained within them (e.g. Elith et al. 2006; Newbold 2010; Pyke and Ehrlich 2010). Given the nature of sampling and collecting, this dataset can largely be considered as 'presence only' data (see Graham et al. 2004). Although some of these data have been collected with a semi quantitative approach, the sampling effort has rarely been sufficient to confidently interpret the 'absence' of a species as meaningful (but see Done et al. 1994; Hutchins 2001; Moore and Morrison 2009 and others, for discussions of species abundances).

This synthesis of historical sampling highlights some collection gaps and biases. Firstly, as noted above, most of the recorded species are associated with hard substrates. However, vast expanses of the region are covered by soft sediment habitats (Wilson 2013), which have received comparatively little collection effort (but see Travers et al. 2012). Secondly, this dataset contains only a single shallow water record from the midshelf region (from Browse Island). The midshelf reefs and shoals are potentially informative because they are geographical midpoints between the inshore and offshore regions. Several of these locations have been visited recently by WAM, however much more sampling is required. Thirdly, there

are inevitable taxonomic biases, with typically mobile, reef associated species dominating the data and nocturnal, cryptic or difficult to collect species probably under represented. In addition, this synthesis was part of a multi-taxon project (see Sampey et al. 2014), and as such was limited to shallow water specimens. Substantial collections of fishes from below 30 m exist in various institutions (e.g. WAM, CSIRO), although they are sometimes limited in terms of sampling effort and spatial scale.

Taxonomic decisions change frequently as new research is completed. Specimens were not re-examined for this study, and the vastness of the collections held by the contributing institutions means that some taxonomic errors are possible. For example, specimens examined prior to the resolution of species complexes might retain the original identification. In most instances, this was detected and updated as part of the present study. However, there were 1,783 instances of incomplete or confusing identifications that were excluded from the dataset. As noted above, 42 records were also excluded based on doubtful identifications. Any specimens associated with these records require re-examination.

This synthesis is a first step summary of the Kimberley marine fish fauna. We have identified several areas for future work, including:

- Continued identification of the nearly 2000 excluded records, and continued research into the taxonomy of unresolved species groups.
- Continued surveys of other parts of the Kimberley, including the mid-shelf shoals. To improve the utility of the data such surveys should be quantitative and include other environmental variables (e.g. the WAM Woodside Collection Project (Kimberley) 2008–2015).
- Increased attention on under represented species (i.e. small, cryptic, nocturnal) and excluded species (i.e. deeper than 30 m), for it is these groups where future species discovery is likely to be most prolific (Mora et al. 2008; Eschmeyer et al. 2010).
- Application of some of the developing mathematical models and methods for utilising the biogeographic information contained within museum data (e.g. Elith et al. 2006; Phillips et al. 2009; Newbold 2010).

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APPENDIX 1 Species of fishes recorded in the Kimberley Project Area dataset. Habitat and biogeographic codes are provided in the Methods. Superscripts denote a comment in footnotes.

Species	Habitat code	Biogeographic code	Inshore	Offshore
Family: Hemiscylliidae				
<i>Chiloscyllium punctatum</i> Müller & Henle, 1838	H	IWP	•	
<i>Hemiscyllium ocellatum</i> (Bonnaterre, 1788)	H	IA	•	•
<i>Hemiscyllium trispeculare</i> Richardson, 1843	H	IA	•	•
Family: Stegostomatidae				
<i>Stegostoma fasciatum</i> (Hermann, 1783)	H	IWP	•	•
Family: Orectolobidae				
<i>Eucrossorhinus dasypogon</i> (Bleeker, 1867)	H	IA		•
<i>Orectolobus wardi</i> Whitley, 1939	H/S	NA	•	•
Family: Ginglymostomatidae				
<i>Nebrius ferrugineus</i> (Lesson, 1831)	H	IWP	•	•
Family: Scyliorhinidae				
<i>Atelomycterus macleayi</i> Whitley, 1939	H/S	NA	•	
Family: Carcharhinidae				
<i>Carcharhinus albimarginatus</i> (Rüppell, 1837)	P	IWP		•
<i>Carcharhinus amblyrhynchos</i> (Bleeker, 1856)	P	IWP	•	•
<i>Carcharhinus amboinensis</i> (Müller & Henle, 1839)	P	IWP	•	
<i>Carcharhinus brevipinna</i> (Müller & Henle, 1839)	P	IWP/AT	•	
<i>Carcharhinus cautus</i> (Whitley, 1945)	P	IWP	•	
<i>Carcharhinus leucas</i> (Müller & Henle, 1839)	P	C	•	
<i>Carcharhinus limbatus</i> (Müller & Henle, 1839)	P	C	•	
<i>Carcharhinus melanopterus</i> (Quoy & Gaimard, 1824)	P	IWP	•	•
<i>Carcharhinus plumbeus</i> (Nardo, 1827)	P	C	•	
<i>Carcharhinus coatesi</i> (Whitley, 1939) ^a	P	IWP	•	
<i>Carcharhinus sorrah</i> (Müller & Henle, 1839)	P	IWP	•	
<i>Galeocerdo cuvier</i> (Péron & Lesueur, 1822)	P	C	•	•
<i>Negaprion acutidens</i> (Rüppell, 1837)	P	IWP	•	
<i>Rhizoprionodon acutus</i> (Rüppell, 1837)	P	IWP/AT	•	
<i>Rhizoprionodon taylori</i> (Ogilby, 1915)	P	IA	•	
<i>Triaenodon obesus</i> (Rüppell, 1837)	P	IWP	•	•
Family: Pristidae				
<i>Pristis zijsron</i> Bleeker, 1851	E/FW	IWP	•	
Family: Rhinidae				
<i>Rhina ancylostoma</i> Bloch & Schneider, 1801	E	IWP	•	
Family: Rhynchobatidae				
<i>Rhynchobatus</i> sp.	S	U	•	•
Family: Dasyatidae				
<i>Himantura granulata</i> (Macleay, 1883)	S	IWP	•	
<i>Himantura uarnak</i> (Forsskål, 1775)	S	IWP	•	
<i>Neotrygon kuhlii</i> (Müller & Henle, 1841)	S	IWP	•	•
<i>Taeniura lymma</i> (Forsskål, 1775)	H/S	IWP	•	•
<i>Taeniura meyeri</i> Müller & Henle, 1841	H/S	IWP	•	•
<i>Urogymnus asperrimus</i> (Bloch & Schneider, 1801)	S	IWP/AT	•	
Family: Myliobatidae				
<i>Aetobatus narinari</i> (Euphrasen, 1790)	H/S/P	C	•	•
<i>Rhinoptera neglecta</i> Ogilby, 1912	S/P	NA		•

Species	Habitat code	Biogeographic code	Inshore	Offshore
Family: Mobulidae				
<i>Manta birostris</i> (Walbaum, 1792)	P	C	•	•
Family: Elopidae				
<i>Elops hawaiiensis</i> Regan, 1909	P	IWP	•	
Family: Megalopidae				
<i>Megalops cyprinoides</i> (Broussonet, 1782)	P/E/FW	IWP	•	
Family: Albulidae				
<i>Albula argentea</i> (Forster, 1801) ^b	S/E/M	IWP	•	
Family: Anguillidae				
<i>Anguilla bicolor</i> McClelland, 1844	H/S/E/FW	IWP	•	
Family: Moringuidae				
<i>Moringua abbreviata</i> (Bleeker, 1863)	H	IWP		•
<i>Moringua ferruginea</i> Bliss, 1883	H	IWP		•
<i>Moringua javanica</i> (Kaup, 1856)	H	IWP		•
<i>Moringua microchir</i> Bleeker, 1853	H	IWP		•
Family: Chlopsidae				
<i>Kaupichthys atronasmus</i> Schultz, 1953	H	IWP		•
<i>Kaupichthys brachychirus</i> Schultz, 1953	H	IWP		•
<i>Kaupichthys hyoproroides</i> (Strömman, 1896)	H	IWP/AT		•
Family: Muraenidae				
<i>Anarchias allardicei</i> Jordan & Starks, 1906	H	IWP		•
<i>Anarchias seychellensis</i> Smith, 1962	H	IWP		•
<i>Echidna nebulosa</i> (Ahl, 1789)	H	IP		•
<i>Echidna polyzona</i> (Richardson, 1845)	H	IWP		•
<i>Echidna unicolor</i> Schultz, 1953	H	IWP		•
<i>Enchelycore bayeri</i> (Schultz, 1953)	H	IWP		•
<i>Gymnomuraena zebra</i> (Shaw & Nodder, 1797)	H	IP		•
<i>Gymnothorax buroensis</i> (Bleeker, 1857)	H	IP		•
<i>Gymnothorax chilospilus</i> Bleeker, 1865	H	IWP		•
<i>Gymnothorax enigmaticus</i> McCosker & Randall, 1982	H	IWP		•
<i>Gymnothorax favagineus</i> Bloch & Schneider, 1801	H	IWP	•	•
<i>Gymnothorax fimbriatus</i> (Bennett, 1832)	H	IWP		•
<i>Gymnothorax flavimarginatus</i> (Rüppell, 1830)	H	IP		•
<i>Gymnothorax fuscomaculatus</i> (Schultz, 1953)	H	IWP		•
<i>Gymnothorax gracilicauda</i> Jenkins, 1903	H	IWP		•
<i>Gymnothorax javanicus</i> (Bleeker, 1859)	H	IP		•
<i>Gymnothorax longinquus</i> (Whitley, 1948)	H/S	IWP	•	
<i>Gymnothorax margaritophorus</i> Bleeker, 1865	H	IWP		•
<i>Gymnothorax melatremus</i> Schultz, 1953	H	IWP		•
<i>Gymnothorax monochrous</i> (Bleeker, 1856)	H	IWP		•
<i>Gymnothorax pictus</i> (Ahl, 1789)	H	IP	•	•
<i>Gymnothorax pindae</i> Smith, 1962	H	IWP		•
<i>Gymnothorax pseudothyrsoides</i> (Bleeker, 1852)	H	IWP	•	
<i>Gymnothorax rueppellii</i> (McClelland, 1844)	H	IWP		•
<i>Gymnothorax thyrsoideus</i> (Richardson, 1845)	H	IWP	•	
<i>Gymnothorax undulatus</i> (Lacépède, 1803)	H	IP	•	•
<i>Gymnothorax zonipectis</i> Seale, 1906	H	IWP		•
<i>Rhinomuraena quaesita</i> Garman, 1888	H/S	IWP		•
<i>Uropterygius concolor</i> Rüppell, 1838	H	IWP	•	•

Species	Habitat code	Biogeographic code	Inshore	Offshore
<i>Uropterygius fuscoguttatus</i> Schultz, 1953	H	IWP		•
<i>Uropterygius kamar</i> McCosker & Randall, 1977	H	IWP		•
<i>Uropterygius marmoratus</i> (Lacépède, 1803)	H	IWP		•
<i>Uropterygius xanthopterus</i> Bleeker, 1859	H	IWP		•
Family: Muraenesocidae				
<i>Muraenesox bagio</i> (Hamilton, 1822)	E	IWP	•	
<i>Muraenesox cinereus</i> (Forsskål, 1775)	H/S	IWP	•	
Family: Congridae				
<i>Ariosoma scheelei</i> (Strömman, 1896)	S	IWP		•
<i>Conger cinereus</i> Rüppell, 1830	H/S	IWP	•	•
<i>Gnathophis</i> sp.	S	U		•
<i>Heteroconger hassi</i> (Klausewitz & Eibl-Eibesfeldt, 1959)	S	IWP		•
Family: Ophichthidae				
<i>Brachysomophis cirrocheilus</i> (Bleeker, 1857)	H/S	IWP	•	
<i>Brachysomophis crocodilinus</i> (Bennett, 1833)	H/S	IWP		•
<i>Callechelys catostoma</i> (Forster, 1801)	H/S	IWP		•
<i>Callechelys marmorata</i> (Bleeker, 1853)	H/S	IWP		•
<i>Leiuranus semicinctus</i> (Lay & Bennett, 1839)	H/S	IWP	•	•
<i>Muraenichthys thompsoni</i> Jordan & Richardson, 1908	S/E/M	IWP		•
<i>Myrichthys maculosus</i> (Cuvier, 1816)	H/S	IWP		•
<i>Myrophis microchir</i> (Bleeker, 1865)	S/SG	IWP		•
<i>Ophichthus altipennis</i> (Kaup, 1856)	S	IWP		•
<i>Ophichthus cephalozona</i> (Bleeker, 1864)	S	IWP	•	•
<i>Ophichthus lithinus</i> (Jordan & Richardson, 1908)	S	IWP	•	•
<i>Ophichthus rutidoderma</i> (Bleeker, 1853)	H/S	IWP	•	
<i>Phyllophichthus xenodontus</i> Gosline, 1951	H/S	IWP		•
<i>Pisodonophis boro</i> (Hamilton, 1822)	S	IWP	•	
<i>Pisodonophis cancrivorus</i> (Richardson, 1848)	S/E	IWP	•	
<i>Schismorhynchus labialis</i> (Seale, 1917)	S	IWP		•
<i>Scolecenchelys gymnota</i> (Bleeker, 1857)	H/S	IWP		•
<i>Scolecenchelys macroptera</i> (Bleeker, 1857)	H/S	IWP	•	•
Family: Clupeidae				
<i>Amblygaster leiogaster</i> (Valenciennes, 1847)	P	IWP		•
<i>Anodontostoma chacunda</i> (Hamilton, 1822)	P	IWP	•	
<i>Dussumieria elopsoides</i> Bleeker, 1849	P	IWP	•	
<i>Herklotsichthys blackburni</i> (Whitley, 1948)	P	WA	•	
<i>Herklotsichthys koningsbergeri</i> (Weber & de Beaufort, 1912)	P	IA	•	
<i>Nematalosa come</i> (Richardson, 1846)	P	IWP	•	
<i>Nematalosa vlaminghi</i> (Munro, 1957)	P	WA	•	
<i>Pellona ditchela</i> Valenciennes, 1847	P	IWP	•	
<i>Sardinella albella</i> (Valenciennes, 1847)	P	IWP	•	
<i>Sardinella gibbosa</i> (Bleeker, 1849)	P	IWP	•	
<i>Spratelloides delicatulus</i> (Bennett, 1832)	P	IWP	•	•
<i>Spratelloides gracilis</i> (Schlegel, 1846)	P	IWP		•
<i>Spratelloides robustus</i> Ogilby, 1897	P	A	•	•
Family: Pristigasteridae				
<i>Ilisha striatula</i> Wongratana, 1983	P	IWP	•	
Family: Engraulidae				
<i>Encrasicolina devisi</i> (Whitley, 1940)	P	IWP	•	
<i>Setipinna paxtoni</i> Wongratana, 1987	P	NA	•	

Species	Habitat code	Biogeographic code	Inshore	Offshore
<i>Stolephorus indicus</i> (Hasselt, 1823)	P	IWP	•	
<i>Thryssa aestuaria</i> (Ogilby, 1910)	P	IA	•	
<i>Thryssa hamiltonii</i> (Gray, 1835)	P	IWP	•	
<i>Thryssa scratchleyi</i> (Ramsay & Ogilby, 1886)	P	IA	•	
Family: Chirocentridae				
<i>Chirocentrus dorab</i> (Forsskål, 1775)	P	IWP	•	
Family: Synodontidae				
<i>Harpadon translucens</i> Saville-Kent, 1889	H/S	IA	•	
<i>Saurida gracilis</i> Quoy & Gaimard, 1824	S	IWP	•	•
<i>Saurida tumbil</i> (Bloch, 1795)	S	IWP	•	
<i>Saurida undosquamis</i> (Richardson, 1848)	S	IWP	•	
<i>Synodus binotatus</i> Schultz, 1953	H/S	IWP		•
<i>Synodus dermatogenys</i> Fowler, 1912	H/S	IWP		•
<i>Synodus jaculum</i> Russell & Cressey, 1979	H/S	IWP	•	•
<i>Synodus rubromarmoratus</i> Russell & Cressey, 1979	H/S	IWP		•
<i>Synodus sagineus</i> Waite, 1905	S	IWP	•	
<i>Synodus variegatus</i> (Lacépède, 1803)	H/S	IWP	•	•
<i>Trachinocephalus myops</i> (Forster, 1801)	S	IWP	•	
Family: Chanidae				
<i>Chanos chanos</i> (Forsskål, 1775)	S	IWP	•	•
Family: Ariidae				
<i>Neoarius graeffei</i> (Kner & Steindachner, 1867)	S/E/FW	IA	•	
<i>Netuma bilineata</i> (Valenciennes, 1840)	S/E	IWP	•	
<i>Netuma proxima</i> (Ogilby, 1898)	S	IWP	•	
<i>Netuma thalassina</i> (Rüppell, 1837)	S	IWP	•	
Family: Plotosidae				
<i>Euristhmus microceps</i> (Richardson, 1845)	S	WA	•	
<i>Euristhmus nudiceps</i> (Günther, 1880)	S/E	IA	•	
<i>Paraplotosus albilabris</i> (Valenciennes, 1840)	H/S	IWP	•	
<i>Paraplotosus butleri</i> Allen, 1998	H	NA	•	
<i>Paraplotosus muelleri</i> (Klunzinger, 1880)	H	NA	•	
<i>Plotosus canius</i> Hamilton, 1822	S/E	IWP	•	
<i>Plotosus lineatus</i> (Thunberg, 1791)	H/E	IWP	•	•
Family: Batrachoididae				
<i>Batrachomoeus dahlí</i> (Rendahl, 1922)	H	WA	•	
<i>Batrachomoeus occidentalis</i> Hutchins, 1976	H/S	A	•	
<i>Batrachomoeus trispinosus</i> (Günther, 1861)	H	IWP	•	
<i>Halophryne diemensis</i> (Lesueur, 1824)	H	IWP	•	•
<i>Halophryne ocellatus</i> Hutchins, 1974	S	WA	•	
Family: Gobiesocidae				
<i>Diademichthys lineatus</i> (Sauvage, 1883)	H	IWP		•
<i>Discotrema crinophila</i> Briggs, 1976	H	IWP		•
Family: Antennariidae				
<i>Antennarius analis</i> (Schultz, 1957)	H	IWP		•
<i>Antennarius biocellatus</i> (Cuvier, 1817)	E/FW	IWP		•
<i>Antennarius coccineus</i> (Lesson, 1830)	H	IWP		•
<i>Antennarius commerson</i> (Latreille, 1804)	H	IWP		•
<i>Antennarius dorehensis</i> Bleeker, 1859	H	IWP		•
<i>Antennarius hispidus</i> (Bloch & Schneider, 1801)	H	IWP	•	

Species	Habitat code	Biogeographic code	Inshore	Offshore
<i>Antennarius maculatus</i> (Desjardins, 1840)	H	IWP		•
<i>Antennarius nummifer</i> (Bloch & Schneider, 1801)	H	IWP	•	
<i>Antennarius pictus</i> (Shaw & Nodder, 1794)	H	IWP	•	•
<i>Histrio histrio</i> (Linnaeus, 1758)	H	C	•	•
<i>Lophiocharon hutchinsi</i> Pietsch, 2004	S/SG	IA	•	
<i>Lophiocharon trisignatus</i> (Richardson, 1844)	H	IWP	•	
<i>Tathicarpus butleri</i> Ogilby, 1907	H	IWP	•	
<i>Tetrabrachium ocellatum</i> Günther, 1880	S	IWP	•	
Family: Ophidiidae				
<i>Brotula multibarbata</i> Temminck & Schlegel, 1847	H	IWP		•
Family: Bythitidae				
<i>Alionematchthys piger</i> (Alcock, 1890)	H	IWP	•	
<i>Alionematchthys riukiuensis</i> (Aoyagi, 1954)	H	IWP	•	
<i>Beaglichthys bleekeri</i> Schwarzhans & Møller, 2007	H	IA	•	
<i>Beaglichthys macrophthalmus</i> Machida, 1993	H/S	IA	•	
<i>Brosmolus longicaudus</i> Machida, 1993	H	NA	•	
<i>Brosmophyciops pautzkei</i> Schultz, 1960	H	IWP		•
<i>Diancistrus alleni</i> Schwarzhans, Møller & Nielsen, 2005	H	IWP	•	•
<i>Diancistrus beateae</i> Schwarzhans, Møller & Nielsen, 2005	H	IWP		•
<i>Diancistrus jeffjohnsoni</i> Schwarzhans, Møller & Nielsen, 2005	H	NA	•	
<i>Diancistrus novaeguineae</i> (Machida, 1996)	H	IWP	•	•
<i>Didymothallus aff. criniceps</i> Schwarzhans & Møller, 2007	H	NA		•
<i>Didymothallus mizolepis</i> (Günther, 1867)	H	NA	•	
<i>Dinematchthys ilucoeteoides</i> Bleeker, 1855	H	IWP	•	•
<i>Dinematchthys trilobatus</i> Møller & Schwarzhans, 2008	H	WA	•	
<i>Eusurculus pistillum</i> Schwarzhans & Møller, 2007	H	NA	•	•
Family: Carapidae				
<i>Carapus mourlani</i> (Petit, 1934)	H/EnZ	IWP		•
<i>Encheliophis homei</i> (Richardson, 1846)	H/EnZ	IWP		•
<i>Onuxodon fowleri</i> (Smith, 1955)	EnZ	IWP	•	
<i>Onuxodon margaritiferae</i> (Rendahl, 1921)	EnZ	A	•	•
Family: Exocoetidae				
<i>Cheilopogon abei</i> (Parin, 1996)	P	IWP	•	
<i>Cheilopogon atrisignis</i> (Jenkins, 1903)	P	IWP		•
<i>Cheilopogon cyanopterus</i> (Valenciennes, 1847)	P	IWP/AT		•
<i>Cheilopogon furcatus</i> (Mitchill, 1815)	P	C		•
<i>Cypselurus hexazona</i> (Bleeker, 1853)	P	IWP		•
<i>Cypselurus naresii</i> (Günther, 1889)	P	IWP		•
<i>Cypselurus oligolepis</i> (Bleeker, 1866)	P	IWP		•
<i>Cypselurus opisthopus</i> (Bleeker, 1866)	P	IWP		•
<i>Cypselurus poecilopterus</i> (Valenciennes, 1847)	P	IWP		•
<i>Parexocoetus brachypterus</i> (Richardson, 1846)	P	IWP	•	•
<i>Parexocoetus mento</i> (Valenciennes, 1847)	P	IWP	•	
Family: Hemiramphidae				
<i>Arrhamphus sclerolepis</i> Günther, 1866	P/E/FW	IA	•	
<i>Hemiramphus far</i> (Forsskål, 1775)	H/P	IWP	•	•
<i>Hemiramphus lutkei</i> Valenciennes, 1847	P	IWP		•
<i>Hemiramphus robustus</i> Günther, 1866	P/E	A	•	
<i>Hyporhamphus affinis</i> (Günther, 1866)	P	IWP		•
<i>Hyporhamphus dussumieri</i> (Valenciennes, 1847)	H/P	IWP		•

Species	Habitat code	Biogeographic code	Inshore	Offshore
<i>Hyporhamphus neglectissimus</i> Parin, Collette & Shcherbachev, 1980	P	IA	•	
<i>Hyporhamphus quoyi</i> (Valenciennes, 1847)	P/E	IWP	•	•
<i>Oxyporhamphus micropterus</i> (Valenciennes, 1847)	P	C		•
<i>Rhynchorhamphus georgii</i> (Valenciennes, 1847)	P	IWP	•	
<i>Zenarchopterus buffonis</i> (Valenciennes, 1847)	P/E	IWP	•	
<i>Zenarchopterus gilli</i> Smith, 1945	P/E	IWP	•	
Family: Belonidae				
<i>Ablennes hians</i> (Valenciennes, 1846)	P	C		•
<i>Platybelone argalus</i> (Lesueur, 1821)	P	C	•	•
<i>Strongylura incisa</i> (Valenciennes, 1846)	P	IWP		•
<i>Strongylura krefftii</i> (Gunther, 1866)	P/E/FW	IA	•	
<i>Strongylura leiura</i> (Bleeker, 1851)	P	IWP	•	
<i>Strongylura strongylura</i> (Hasselt, 1823)	P	IWP	•	
<i>Tylosurus crocodilus</i> (Péron & Lesueur, 1821)	P	C	•	•
<i>Tylosurus gaviatoides</i> (Castelnau, 1873)	P	A	•	
<i>Tylosurus acus</i> (Lacepède, 1803)	P	IWP		•
Family: Pseudomugilidae				
<i>Pseudomugil cyanodorsalis</i> Allen & Sarti, 1983	S/M	NA	•	
Family: Atherinidae				
<i>Atherinomorus endrachtensis</i> (Quoy & Gaimard, 1825)	P	IWP	•	•
<i>Atherinomorus lacunosus</i> (Forster, 1801)	P	IWP	•	
<i>Atherinomorus vaigiensis</i> (Quoy & Gaimard, 1825)	P	A	•	
<i>Atherion elymus</i> Jordan & Starks, 1901	P	IWP		•
<i>Craterocephalus capreoli</i> Rendahl, 1922	P	A	•	
<i>Craterocephalus mugiloides</i> (McCulloch, 1912)	P	A	•	
<i>Craterocephalus pauciradiatus</i> (Günther, 1861)	P	WA	•	
<i>Dentatherina merceri</i> Patten & Ivantsoff, 1983	P	IWP		•
<i>Hypoatherina barnesi</i> Schultz, 1953	P	IWP		•
<i>Hypoatherina panatela</i> (Jordan & Richardson, 1908)	P	IWP		•
<i>Hypoatherina temminckii</i> (Bleeker, 1853)	P	IWP	•	•
<i>Hypoatherina valenciennei</i> (Bleeker, 1853)	P	IWP	•	
Family: Holocentridae				
<i>Myripristis adusta</i> Bleeker, 1853	H	IWP		•
<i>Myripristis berndti</i> Jordan & Evermann, 1905	H	IWP		•
<i>Myripristis hexagona</i> (Lacépède, 1802)	H	IWP	•	•
<i>Myripristis kuntee</i> Valenciennes, 1831	H	IWP		•
<i>Myripristis murdjan</i> (Forsskål, 1775)	H	IWP	•	•
<i>Myripristis pralinia</i> Cuvier, 1829	H	IWP		•
<i>Myripristis violacea</i> Bleeker, 1851	H	IWP		•
<i>Myripristis vittata</i> Valenciennes, 1831	H	IWP		•
<i>Neoniphon argenteus</i> (Valenciennes, 1831)	H	IWP		•
<i>Neoniphon opercularis</i> (Valenciennes, 1831)	H	IWP		•
<i>Neoniphon sammara</i> (Forsskål, 1775)	H	IWP		•
<i>Plectrypops lima</i> (Valenciennes, 1831)	H	IP		•
<i>Sargocentron caudimaculatum</i> (Rüppell, 1838)	H	IWP	•	•
<i>Sargocentron cornutum</i> (Bleeker, 1853)	H	IWP		•
<i>Sargocentron diadema</i> (Lacépède, 1802)	H	IWP		•
<i>Sargocentron lepros</i> (Allen & Cross, 1983)	H	IWP		•
<i>Sargocentron microstoma</i> (Günther, 1859)	H	IWP		•
<i>Sargocentron praslin</i> (Lacépède, 1802)	H	IWP		•

Species	Habitat code	Biogeographic code	Inshore	Offshore
<i>Sargocentron punctatissimum</i> (Cuvier, 1829)	H	IWP		•
<i>Sargocentron rubrum</i> (Forsskål, 1775)	H	IWP/AT	•	•
<i>Sargocentron spiniferum</i> (Forsskål, 1775)	H	IWP		•
<i>Sargocentron tere</i> (Cuvier, 1829)	H	IWP		•
<i>Sargocentron tiereoides</i> (Bleeker, 1853)	H	IWP		•
<i>Sargocentron violaceum</i> (Bleeker, 1853)	H	IWP		•
Family: Aulostomidae				
<i>Aulostomus chinensis</i> (Linnaeus, 1766)	H/P	IWP		•
Family: Fistulariidae				
<i>Fistularia commersonii</i> Rüppell, 1838	P	C	•	•
<i>Fistularia petimba</i> Lacépède, 1803	P	IWP/AT	•	
Family: Centriscidae				
<i>Centriscus cristatus</i> (De Vis, 1885)	S	IWP	•	
<i>Centriscus scutatus</i> Linnaeus, 1758	S	IWP	•	
Family: Solenostomidae				
<i>Solenostomus halimeda</i> Orr, Fritzsche & Randall, 2002	H	IWP		•
<i>Solenostomus paradoxus</i> (Pallas, 1770)	H/S	IWP		•
Family: Syngnathidae				
<i>Bhanotia fasciolata</i> (Duméril, 1870)	H	IWP		•
<i>Choeroichthys brachysoma</i> (Bleeker, 1855)	H/SG	IWP	•	•
<i>Choeroichthys latispinosus</i> Dawson, 1978	H	WA	•	
<i>Corythoichthys amplexus</i> Dawson & Randall, 1975	H	IWP		•
<i>Corythoichthys flavofasciatus</i> (Rüppell, 1838)	H	IWP		•
<i>Corythoichthys haematopterus</i> (Bleeker, 1851)	H	IWP		•
<i>Corythoichthys intestinalis</i> (Ramsay, 1881)	H	IWP		•
<i>Corythoichthys schultzi</i> Herald, 1953	H	IWP		•
<i>Cosmocampus banneri</i> (Herald & Randall, 1972)	H	IWP		•
<i>Doryrhamphus excisus</i> Kaup, 1856	H	IWP		•
<i>Doryrhamphus janssi</i> (Herald & Randall, 1972)	H	IWP	•	
<i>Doryrhamphus negrosensis</i> Herre, 1934	H	IWP		•
<i>Dunckerocampus dactyliophorus</i> (Bleeker, 1853)	H	IWP	•	•
<i>Filicampus tigris</i> (Castelnau, 1879)	S	A	•	
<i>Halicampus brocki</i> (Herald, 1953)	H	IWP		•
<i>Halicampus dunckeri</i> (Chabanaud, 1929)	H	IWP		•
<i>Halicampus nitidus</i> (Günther, 1873)	H	IWP		•
<i>Haliichthys taeniophorus</i> Gray, 1859	S	IA	•	
<i>Hippichthys cyanospilos</i> (Bleeker, 1854)	E/M	IWP		•
<i>Hippichthys penicillus</i> (Cantor, 1850)	E/SG	IWP	•	
<i>Hippocampus angustus</i> Günther, 1870	H	WA	•	
<i>Hippocampus kampylotrachelos</i> Bleeker, 1854	H/S/E	IA		•
<i>Hippocampus planifrons</i> Peters, 1877	H	WA	•	
<i>Micrognathus andersonii</i> (Bleeker, 1858)	H/SG	IWP		•
<i>Micrognathus brevirostris</i> (Rüppell, 1838)	H	IWP		•
<i>Micrognathus micronotopterus</i> (Fowler, 1938)	H/SG	IWP	•	
<i>Minyichthys myersi</i> (Herald & Randall, 1972)	H	IWP		•
<i>Syngnathoides biaculeatus</i> (Bloch, 1785)	H/SG	IWP		•
Family: Apistidae				
<i>Apistus carinatus</i> (Bloch & Schneider, 1801)	H	IWP	•	
<i>Cheroscorpaena tridactyla</i> Mees, 1964	H	IA	•	

Species	Habitat code	Biogeographic code	Inshore	Offshore
Family: Scorpaenidae				
<i>Dendrochirus biocellatus</i> (Fowler, 1938)	H	IWP		•
<i>Dendrochirus brachypterus</i> (Cuvier, 1829)	H	IWP		•
<i>Dendrochirus zebra</i> (Cuvier, 1829)	H	IWP	•	•
<i>Parascorpaena mcadamsi</i> (Fowler, 1938)	H	IWP		•
<i>Parascorpaena mossambica</i> (Peters, 1855)	H	IWP		•
<i>Parascorpaena picta</i> (Kuhl & Hasselt, 1829)	H	IWP	•	•
<i>Pterois antennata</i> (Bloch, 1787)	H	IWP	•	•
<i>Pterois radiata</i> Cuvier, 1829	H	IWP		•
<i>Pterois volitans</i> (Linnaeus, 1758)	H	IWP	•	•
<i>Scorpaenodes albaiensis</i> (Evermann & Seale, 1907)	H	IWP		•
<i>Scorpaenodes guamensis</i> Quoy & Gaimard, 1824	H	IWP		•
<i>Scorpaenodes hirsutus</i> (Smith, 1957)	H	IWP		•
<i>Scorpaenodes kelloggi</i> (Jenkins, 1903)	H	IWP		•
<i>Scorpaenodes minor</i> (Smith, 1958)	H	IWP		•
<i>Scorpaenodes parvipinnis</i> (Garrett, 1864)	H	IWP		•
<i>Scorpaenodes varipinnis</i> Smith, 1957	H	IWP		•
<i>Scorpaenopsis diabolus</i> (Cuvier, 1829)	H	IWP	•	•
<i>Scorpaenopsis furneauxi</i> Whitley, 1959	S	NA		•
<i>Scorpaenopsis macrochir</i> Ogilby, 1910	H/S	IWP		•
<i>Scorpaenopsis neglecta</i> Heckel, 1837	S	IWP	•	
<i>Scorpaenopsis oxycephala</i> (Bleeker, 1849)	H	IWP		•
<i>Scorpaenopsis papuensis</i> Cuvier, 1829	H	IWP		•
<i>Scorpaenopsis possi</i> Randall & Eschmeyer, 2001	H	IWP		•
<i>Scorpaenopsis venosa</i> (Cuvier, 1829)	H	IWP	•	•
<i>Scorpaenopsis vittapinna</i> Randall & Eschmeyer, 2001	H	IWP		•
<i>Sebastapistes cyanostigma</i> (Bleeker, 1856)	H	IWP		•
<i>Sebastapistes fowleri</i> (Pietschmann, 1934)	H	IWP		•
<i>Sebastapistes strongia</i> (Cuvier, 1829)	H	IWP		•
<i>Sebastapistes tinkhami</i> (Fowler, 1946)	H	IWP		•
<i>Taenianotus triacanthus</i> Lacépède, 1802	H	IP		•
Family: Synanceiidae				
<i>Erosa daruma</i> (Whitley, 1932)	H	WA	•	
<i>Inimicus didactylus</i> (Pallas, 1769)	S	IWP	•	•
<i>Inimicus sinensis</i> (Valenciennes, 1833)	S	IWP	•	
<i>Synanceia horrida</i> (Linnaeus, 1766)	H	IWP	•	
<i>Synanceia verrucosa</i> Bloch & Schneider, 1801	H	IWP		•
Family: Tetrarogidae				
<i>Ablabys taenianotus</i> (Cuvier, 1829)	H	IWP		•
<i>Cottapistus cottoides</i> (Linnaeus, 1758)	S	IWP	•	
<i>Liocranium pleurostigma</i> (Weber, 1913) ^c	S	IA	•	
<i>Paracentropogon longispinis</i> (Cuvier, 1829) ^d	S	IWP		•
<i>Paracentropogon vespa</i> Ogilby, 1910 ^d	H/S	NA	•	
Family: Caracanthidae				
<i>Caracanthus maculatus</i> (Gray, 1831)	H	IWP		•
<i>Caracanthus unipinna</i> (Gray, 1831)	H	IWP		•
Family: Aploactinidae				
<i>Paraploactis pulvinus</i> Poss & Eschmeyer, 1978	S	NA	•	

Species	Habitat code	Biogeographic code	Inshore	Offshore
Family: Platycephalidae				
<i>Cymbacephalus bosschei</i> (Bleeker, 1860)	H/S	IWP	•	
<i>Cymbacephalus nematophthalmus</i> (Günther, 1860)	S/E	IWP	•	
<i>Cymbacephalus staigeri</i> (Castelnau, 1875)	S	IWP		•
<i>Elates ransonnettii</i> (Steindachner, 1877)	S	IWP	•	•
<i>Inegocia harrisii</i> (McCulloch, 1914)	S	NA	•	
<i>Inegocia japonica</i> (Tilesius, 1812)	S	IWP	•	•
<i>Platycephalus endrachtensis</i> Quoy & Gaimard, 1825	S/E	IA	•	
<i>Platycephalus</i> n. sp. (cf. <i>indicus</i>) (Imamura, in press)	H/E	NA	•	
<i>Suggrundus macracanthus</i> (Bleeker, 1869)	S	IWP		•
<i>Sunagocia arenicola</i> (Schultz, 1966)	H/S	IWP		•
<i>Sunagocia otaitensis</i> (Cuvier, 1829)	S	IWP		•
<i>Thysanophrys celebica</i> (Bleeker, 1854)	H/S	IWP		•
<i>Thysanophrys chiltonae</i> Schultz, 1966	H/S	IWP		•
<i>Thysanophrys papillolabium</i> Schultz, 1966	S	IWP		•
Family: Pegasidae				
<i>Pegasus volitans</i> Linnaeus, 1758	S/E	IWP	•	
Family: Ambassidae				
<i>Ambassis gymnocephalus</i> (Lacépède, 1802)	S	IWP	•	
<i>Ambassis interrupta</i> Bleeker, 1852	S	IA	•	
<i>Ambassis macleayi</i> (Castelnau, 1878)	S	IA	•	
<i>Ambassis nalua</i> (Hamilton, 1822)	S	IWP	•	
<i>Ambassis vachellii</i> Richardson, 1846	S	IWP	•	
Family: Latidae				
<i>Lates calcarifer</i> (Bloch, 1790)	P/E	IWP	•	
<i>Psammoperca waigiensis</i> (Cuvier, 1828)	H	IWP	•	
Family: Centrogeniidae				
<i>Centrogenys waigiensis</i> (Quoy & Gaimard, 1824)	H	IWP	•	
Family: Serranidae				
<i>Aethaloperca rogae</i> (Forsskål, 1775)	H	IWP	•	•
<i>Anyperodon leucogrammicus</i> (Valenciennes, 1828)	H	IWP	•	•
<i>Aporops bilinearis</i> Schultz, 1943	H	IWP		•
<i>Belonoperca chabanaudi</i> Fowler & Bean, 1930	H	IWP		•
<i>Cephalopholis argus</i> Bloch & Schneider, 1801	H	IWP	•	•
<i>Cephalopholis boenak</i> (Bloch, 1790)	H	IWP	•	•
<i>Cephalopholis cyanostigma</i> (Valenciennes, 1828)	H	IWP	•	•
<i>Cephalopholis leopardus</i> (Lacépède, 1801)	H	IWP	•	•
<i>Cephalopholis microprius</i> (Bleeker, 1852)	H	IWP		•
<i>Cephalopholis miniata</i> (Forsskål, 1775)	H	IWP		•
<i>Cephalopholis sexmaculata</i> (Rüppell, 1830)	H	IWP		•
<i>Cephalopholis spiloparaea</i> (Valenciennes, 1828)	H	IWP		•
<i>Cephalopholis urodeta</i> (Forster, 1801)	H	IWP		•
<i>Chromileptes altivelis</i> (Valenciennes, 1828)	H	IWP	•	•
<i>Epinephelus areolatus</i> (Forsskål, 1775)	H	IWP	•	
<i>Epinephelus bilobatus</i> Randall & Allen, 1987	H/S	NA	•	
<i>Epinephelus bleekeri</i> (Vaillant, 1878)	H	IWP	•	
<i>Epinephelus coeruleopunctatus</i> (Bloch, 1790)	H	IWP	•	•
<i>Epinephelus coioides</i> (Hamilton, 1822)	H/E	IWP	•	
<i>Epinephelus corallicola</i> (Valenciennes, 1828)	H/E	IWP	•	

Species	Habitat code	Biogeographic code	Inshore	Offshore
<i>Epinephelus fasciatus</i> (Forsskål, 1775)	H	IWP	•	•
<i>Epinephelus fuscoguttatus</i> (Forsskål, 1775)	H	IWP		•
<i>Epinephelus hexagonatus</i> (Bloch & Schneider, 1801)	H	IWP		•
<i>Epinephelus lanceolatus</i> (Bloch, 1790)	H	IWP	•	•
<i>Epinephelus macrospilos</i> (Bleeker, 1855)	H	IWP		•
<i>Epinephelus maculatus</i> (Bloch, 1790)	H	IWP		•
<i>Epinephelus malabaricus</i> (Bloch & Schneider, 1801)	H/E	IWP	•	
<i>Epinephelus melanostigma</i> Schultz, 1953	H	IWP		•
<i>Epinephelus merra</i> Bloch, 1793	H	IWP		•
<i>Epinephelus multinotatus</i> (Peters, 1876)	H	IO	•	
<i>Epinephelus ongus</i> (Bloch, 1790)	H	IWP	•	•
<i>Epinephelus polyphkadion</i> (Bleeker, 1849)	H	IWP	•	•
<i>Epinephelus quoyanus</i> (Valenciennes, 1830)	H	IWP	•	•
<i>Epinephelus rivulatus</i> (Valenciennes, 1830)	H	IWP	•	
<i>Epinephelus sexfasciatus</i> (Valenciennes, 1828)	S	IWP	•	
<i>Epinephelus spilotoceps</i> Schultz, 1953	H	IWP		•
<i>Epinephelus tauvina</i> Forsskål, 1775	H	IWP	•	•
<i>Epinephelus tukula</i> Morgans, 1959	H	IWP		•
<i>Gracila albomarginata</i> (Fowler & Bean, 1930)	H	IWP		•
<i>Grammistes sexlineatus</i> (Thünberg, 1792)	H	IWP		•
<i>Grammistops ocellatus</i> Schultz, 1953	H	IWP		•
<i>Liopropoma susumi</i> (Jordan & Seale, 1906)	H	IWP	•	•
<i>Plectranthias longimanus</i> Weber, 1913	H	IWP		•
<i>Plectropomus areolatus</i> (Rüppell, 1830)	H	IWP		•
<i>Plectropomus laevis</i> (Lacépède, 1801)	H	IWP		•
<i>Plectropomus leopardus</i> (Lacépède, 1802)	H	IWP		•
<i>Plectropomus maculatus</i> (Bloch, 1790)	H	IWP	•	
<i>Plectropomus oligacanthus</i> (Bleeker, 1854)	H	IWP		•
<i>Pseudanthias dispar</i> (Herre, 1955)	H	IWP		•
<i>Pseudanthias huchtii</i> (Bleeker, 1857)	H	IWP		•
<i>Pseudanthias lori</i> (Lubbock & Randall, 1976)	H	IWP		•
<i>Pseudanthias pascalus</i> (Jordan & Tanaka, 1927)	H	IWP		•
<i>Pseudanthias pleurotaenia</i> (Bleeker, 1857)	H	IWP		•
<i>Pseudanthias sheni</i> Randall & Allen, 1989	H	WA		•
<i>Pseudanthias squamipinnis</i> (Peters, 1855)	H	IWP		•
<i>Pseudanthias tuka</i> (Herre & Montalban, 1927)	H	IWP		•
<i>Pseudogramma polyacantha</i> (Bleeker, 1856)	H	IWP		•
<i>Rainfordia opercularis</i> McCulloch, 1923	H	NA	•	
<i>Variola albimarginata</i> Baissac, 1953	H	IWP		•
<i>Variola louti</i> (Forsskål, 1775)	H	IWP		•
Family: Pseudochromidae				
<i>Amsichthys knighti</i> (Allen, 1987)	H	IWP		•
<i>Assiculoides desmonotus</i> Gill & Hutchins, 1997	H/S/SG	WA	•	
<i>Assiculus punctatus</i> Richardson, 1846	H	NA	•	
<i>Blennodesmus scapularis</i> Günther, 1872	H	IWP	•	
<i>Congrogadus spinifer</i> (Borodin, 1933)	H	NA	•	
<i>Congrogadus subducens</i> (Richardson, 1843)	H	IWP	•	•
<i>Labracinus cyclophthalmus</i> (Müller & Troschel, 1849)	H	IWP	•	•
<i>Labracinus lineatus</i> (Castelnau, 1875)	H	WA	•	
<i>Lubbockichthys multisquamatus</i> (Allen, 1987)	H	IWP		•
<i>Manonichthys splendens</i> (Fowler, 1931)	H	IO		•
<i>Pictichromis paccagnellae</i> (Axelrod, 1973)	H	IWP		•

Species	Habitat code	Biogeographic code	Inshore	Offshore
<i>Pseudochromis andamanensis</i> Lubbock, 1980	H	IO		•
<i>Pseudochromis bitaeniatus</i> (Fowler, 1931)	H	IWP		•
<i>Pseudochromis cyanotaenia</i> Bleeker, 1857	H	IWP		•
<i>Pseudochromis fuscus</i> Müller & Troschel, 1849	H	IWP	•	•
<i>Pseudochromis howsoni</i> Allen, 1995	H	WA		•
<i>Pseudochromis marshallensis</i> Schultz, 1953	H	IWP		•
<i>Pseudochromis tapeinosoma</i> Bleeker, 1853	H	IWP		•
<i>Pseudochromis wilsoni</i> (Whitley, 1929)	H	NA	•	•
<i>Pseudoplesiops rosae</i> Schultz, 1943	H	IWP		•
<i>Pseudoplesiops typus</i> Bleeker, 1858	H	IWP		•
Family: Grammistidae				
<i>Diploprion bifasciatum</i> Cuvier, 1828	H	IWP	•	
Family: Plesiopidae				
<i>Acanthoplesiops indicus</i> (Day, 1888)	H	IWP		•
<i>Calloplesiops altivelis</i> (Steindachner, 1903)	H	IWP	•	
<i>Notograptus guttatus</i> Günther, 1867	H	IA	•	•
<i>Plesiops coeruleolineatus</i> Rüppell, 1835	H	IWP		•
<i>Plesiops gracilis</i> Mooi & Randall, 1991	H	IWP		•
<i>Plesiops verecundus</i> Mooi, 1995	H	IWP		•
<i>Steeneichthys plesiopsus</i> Allen & Randall, 1985	H	IWP		•
Family: Acanthoclinidae				
<i>Belonepterygion fasciolatum</i> (Ogilby, 1889)	H	IWP	•	
Family: Glaucosomatidae				
<i>Glaucosoma magnificum</i> (Ogilby, 1915)	H	A	•	
Family: Terapontidae				
<i>Amniataba caudavittata</i> (Richardson, 1845)	M/FW	IA	•	
<i>Pelates quadrilineatus</i> (Bloch, 1790)	E/SG	IWP	•	
<i>Pelates sexlineatus</i> (Quoy & Gaimard, 1825) ^e	E/SG	A	•	
<i>Terapon jarbua</i> (Forsskål, 1775)	S/M/FW	IWP	•	•
<i>Terapon puta</i> Cuvier, 1829	S/M/FW	IWP	•	
<i>Terapon theraps</i> Cuvier, 1829	S/M	IWP	•	•
Family: Kuhliidae				
<i>Kuhlia mugil</i> (Forster, 1801)	H/P	IP		•
Family: Priacanthidae				
<i>Heteropriacanthus cruentatus</i> (Lacépède, 1801)	H	C	•	•
<i>Priacanthus hamrur</i> (Forsskål, 1775)	H	IWP		•
<i>Priacanthus macracanthus</i> Cuvier, 1829	H/S	IWP		•
<i>Priacanthus tayenus</i> Richardson, 1846	H	IWP	•	
Family: Apogonidae				
<i>Apogon caudicinctus</i> Randall & Smith, 1988	H/S	IWP		•
<i>Apogon crassiceps</i> Garman, 1903	H	IWP	•	•
<i>Apogon</i> cf. <i>doryssa</i> (Jordan & Seale, 1906)	H	IWP		•
<i>Apogon talboti</i> (Smith, 1961)	H	IWP	•	•
<i>Apogon unicolor</i> (Steindachner & Döderlein, 1883)	H	IWP	•	
<i>Apogonichthyoides atripes</i> (Cuvier, 1828) ^f	H/S	IWP	•	
<i>Apogonichthyoides brevicaudatus</i> (Weber, 1909)	S	IA	•	
<i>Apogonichthyoides melas</i> (Bleeker, 1848)	H	IWP		•
<i>Apogonichthyoides timorensis</i> (Bleeker, 1854)	H	IWP	•	•
<i>Apogonichthys ocellatus</i> (Weber, 1913)	H	IWP		•

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<i>Apogonichthys perdx</i> Bleeker, 1854	H	IWP		•
<i>Cercamia eremia</i> (Allen, 1987)	H	IWP		•
<i>Cheilodipterus artus</i> Smith, 1961	H	IWP		•
<i>Cheilodipterus isostigma</i> (Schultz, 1940)	H	IWP		•
<i>Cheilodipterus macrodon</i> (Lacépède, 1802)	H	IWP	•	•
<i>Cheilodipterus quinquelineatus</i> Cuvier, 1828	H	IWP	•	•
<i>Cheilodipterus singaporensis</i> Bleeker, 1860	H	IWP		•
<i>Fibramia amboinensis</i> Bleeker, 1853	S	IWP	•	
<i>Fibramia lateralis</i> (Valenciennes, 1832)	S	IWP	•	
<i>Fibramia thermalis</i> (Cuvier, 1829)	H	IWP		•
<i>Foa fo</i> Jordan & Seale, 1905 ^g	H	IWP		•
<i>Foa hyalina</i> (Smith & Radcliffe, 1912)	H	IWP		•
<i>Fowleria aurita</i> (Valenciennes, 1831)	H	IWP	•	•
<i>Fowleria isostigma</i> (Jordan & Seale, 1906)	H	IWP	•	•
<i>Fowleria marmorata</i> (Alleyne & Macleay, 1877)	H	IWP		•
<i>Fowleria vaiulae</i> (Jordan & Seale, 1906)	H	IWP		•
<i>Fowleria variegata</i> (Valenciennes, 1832)	H	IWP		•
<i>Gymnapogon annona</i> (Whitley, 1936)	H	NA	•	•
<i>Gymnapogon philippinus</i> (Herre, 1939)	H	IWP	•	•
<i>Gymnapogon uros pilotus</i> Lachner, 1953 ^h	H	IWP	•	•
<i>Gymnapogon vanderbilti</i> (Fowler, 1938)	H	IWP		•
<i>Jaydia poecilopterus</i> (Cuvier, 1828)	S	IWP	•	
<i>Neamia octospina</i> Smith & Radcliffe, 1912	H	IWP		•
<i>Nectamia bandanensis</i> (Bleeker, 1854)	H	IA		•
<i>Nectamia fusca</i> (Quoy & Gaimard, 1825)	H	IWP	•	•
<i>Nectamia savayensis</i> (Günther, 1872)	H	IWP		•
<i>Ostorhinchus angustatus</i> (Smith & Radcliffe, 1911)	H	IWP		•
<i>Ostorhinchus aureus</i> (Lacépède, 1802)	H	IWP		•
<i>Ostorhinchus cavitensis</i> (Jordan & Seale, 1907)	S	IWP	•	
<i>Ostorhinchus chrysopomus</i> (Bleeker, 1854)	H	IWP		•
<i>Ostorhinchus chrysoaenia</i> (Bleeker, 1851)	H	IWP		•
<i>Ostorhinchus compressus</i> (Smith & Radcliffe, 1911)	H	IWP		•
<i>Ostorhinchus cookii</i> (Macleay, 1881)	H	IWP	•	•
<i>Ostorhinchus cyanosoma</i> (Bleeker, 1853)	H	IWP	•	•
<i>Ostorhinchus doederleini</i> (Jordan & Snyder, 1901)	H	IWP	•	
<i>Ostorhinchus endekataenia</i> (Bleeker, 1852)	H	IWP	•	•
<i>Ostorhinchus fasciatus</i> (Shaw, 1790)	S	IWP	•	
<i>Ostorhinchus fleurieu</i> Lacépède, 1802	H	IWP		•
<i>Ostorhinchus hartzfeldii</i> (Bleeker, 1852)	H	IWP		•
<i>Ostorhinchus nigrofasciatus</i> (Lachner, 1953)	H	IWP		•
<i>Ostorhinchus novemfasciatus</i> (Cuvier, 1828)	H	IWP		•
<i>Ostorhinchus ocellicaudus</i> (Allen, Kuitert & Randall 1994)	H	IWP		•
<i>Ostorhinchus pallidofasciatus</i> (Allen, 1987)	H	NA	•	
<i>Ostorhinchus rueppellii</i> (Günther, 1859)	H	IA	•	
<i>Ostorhinchus sealei</i> (Fowler, 1918)	H	IWP		•
<i>Ostorhinchus semilineatus</i> (Temminck & Schlegel, 1843)	H	IWP		•
<i>Ostorhinchus taeniophorus</i> (Regan, 1908)	H	IWP		•
<i>Prisitaogon unitaeniatus</i> (Allen, 1995)	H	NA	•	
<i>Pristiapogon exostigma</i> (Jordan & Starks, 1906)	H	IWP		•
<i>Pristiapogon fraenatus</i> (Valenciennes, 1832)	H	IWP	•	•
<i>Pristiapogon kallopterus</i> (Bleeker, 1856)	H	IWP		•
<i>Pristicon rhodopterus</i> (Bleeker, 1852)	H	IWP		•

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<i>Pristicon trimaculatus</i> (Cuvier, 1828)	H	IWP	•	•
<i>Pseudamia amblyuroptera</i> (Bleeker, 1856) ⁱ	H	IWP		•
<i>Pseudamia gelatinosa</i> Smith, 1955	H	IWP	•	•
<i>Pseudamia hayashii</i> Lachner & Fraser, 1985	H	IWP		•
<i>Pseudamia nigra</i> Allen, 1992	S	A	•	
<i>Pseudamiops gracilicauda</i> (Lachner, 1953)	H	IWP		•
<i>Quinca mirifica</i> (Mees, 1966)	H	A	•	
<i>Rhabdamia gracilis</i> (Bleeker, 1856)	H	IWP		•
<i>Siphamia jebbi</i> Allen, 1993	H	IWP		•
<i>Siphamia roseigaster</i> (Ogilby, 1886)	S	A	•	
<i>Siphamia tubifer</i> Weber, 1909 ⁱ	H	IWP		•
<i>Siphamia tubulata</i> (Weber, 1909)	S	IWP		•
<i>Taeniamia fucata</i> (Cantor, 1849)	H	IWP	•	•
<i>Taeniamia melasma</i> (Lachner & Taylor, 1960) ^k	H	IA	•	•
<i>Taeniamia zosterophora</i> (Bleeker, 1856)	H	IWP		•
<i>Verulux cypselurus</i> Weber, 1909	H	IWP		•
<i>Zoramia gilberti</i> (Jordan & Seale, 1905)	H	IWP		•
<i>Zoramia leptacantha</i> (Bleeker, 1856)	H	IWP		•
<i>Zoramia perlita</i> (Fraser & Lachner, 1985)	H	IWP		•
Family: Sillaginidae				
<i>Sillago analis</i> Whitley, 1943	S/E/M	IA	•	
<i>Sillago burra</i> Richardson, 1842 ¹	S	IWP	•	
<i>Sillago lutea</i> McKay, 1985	S	IWP	•	
<i>Sillago sihama</i> (Forsskål, 1775)	S/E	IWP	•	
<i>Sillago vittata</i> McKay, 1985	S	WA	•	
Family: Malacanthidae				
<i>Malacanthus breviostris</i> Guichenot, 1848	H/S	IP		•
<i>Malacanthus latovittatus</i> (Lacépède, 1801)	H/S	IWP		•
Family: Echeneidae				
<i>Echeneis naucrates</i> Linnaeus, 1758	P/EZ	C	•	•
<i>Remora brachyptera</i> (Lowe, 1839)	P/EZ	C		•
<i>Remora osteochir</i> (Cuvier, 1829)	P/EZ	C		•
<i>Remora remora</i> (Linnaeus, 1758)	P/EZ	C	•	
Family: Carangidae				
<i>Alectis indica</i> (Rüppell, 1830)	H/S/P	IWP	•	
<i>Alepes apercna</i> Grant, 1987	P	NA	•	
<i>Atule mate</i> (Cuvier, 1833)	P	IWP	•	•
<i>Carangoides ferdau</i> (Forsskål, 1775)	P	IWP	•	•
<i>Carangoides fulvoguttatus</i> (Forsskål, 1775)	P	IWP	•	•
<i>Carangoides malabaricus</i> (Bloch & Schneider, 1801)	P	IWP		•
<i>Carangoides orthogrammus</i> (Jordan & Gilbert, 1882)	H/P	IP	•	•
<i>Carangoides plagiotaenia</i> Bleeker, 1857	H/P	IWP		•
<i>Caranx bucculentus</i> Alleyne & Macleay, 1877	P	IA	•	
<i>Caranx ignobilis</i> (Forsskål, 1775)	H/P	IWP	•	•
<i>Caranx lugubris</i> Poey, 1860	P	C		•
<i>Caranx melampygus</i> Cuvier, 1833	H/P	IWP		•
<i>Caranx papuensis</i> Alleyne & Macleay, 1877	H/P	IWP	•	
<i>Caranx sexfasciatus</i> Quoy & Gaimard, 1825	H/P	IWP	•	•
<i>Elagatis bipinnulata</i> (Quoy & Gaimard, 1825)	P	C		•
<i>Gnathanodon speciosus</i> (Forsskål, 1775)	H/P	IWP	•	•

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<i>Megalaspis cordyla</i> (Linnaeus, 1758)	P	IWP	•	
<i>Pantolabus radiatus</i> (Macleay, 1881)	P	IA	•	
<i>Parastromateus niger</i> (Bloch, 1795)	P	IWP	•	
<i>Scomberoides commersonnianus</i> Lacépède, 1801	H/P	IWP	•	•
<i>Scomberoides lysan</i> (Forsskål, 1775)	P	IWP	•	•
<i>Scomberoides tala</i> (Cuvier, 1832)	P	IWP	•	
<i>Scomberoides tol</i> (Cuvier, 1832)	P	IWP		•
<i>Selar boops</i> (Cuvier, 1833)	P	IWP	•	
<i>Selar crumenophthalmus</i> (Bloch, 1793)	P	C	•	
<i>Selaroides leptolepis</i> (Cuvier, 1833)	P	IWP	•	
<i>Seriola dumerili</i> (Risso, 1810)	P	C		•
<i>Seriola rivoliana</i> Valenciennes, 1833	P	C		•
<i>Trachinotus bailloni</i> (Lacépède, 1801)	P	IWP	•	
<i>Trachinotus blochii</i> (Lacépède, 1801)	H/P	IWP		•
<i>Trachinotus botla</i> (Shaw, 1803)	P	IWP	•	
<i>Ulua mentalis</i> (Cuvier, 1833)	P	IWP	•	
Family: Coryphaenidae				
<i>Coryphaena hippurus</i> Linnaeus, 1758	P	C	•	•
Family: Leiognathidae				
<i>Equulites leuciscus</i> (Günther, 1860)	S	IWP	•	
<i>Eubleekeria splendens</i> (Cuvier, 1829)	S/M	IWP	•	
<i>Gazza rhombea</i> Kimura, Yamashita & Iwatsuki, 2000	S	IWP	•	
<i>Leiognathus equulus</i> (Forsskål, 1775)	S/E	IWP	•	
<i>Nuchequula gerreoides</i> (Bleeker, 1851) ^m	S/E/M	IWP	•	
<i>Photopectoralis bindus</i> (Valenciennes, 1835)	S	IWP	•	
<i>Secutor ruconius</i> (Hamilton, 1822) ⁿ	S/E	IWP	•	
Family: Lutjanidae				
<i>Aphareus furca</i> (Lacépède, 1801)	H	IWP		•
<i>Aphareus rutilans</i> Cuvier, 1830	H	IWP		•
<i>Aprion virescens</i> Valenciennes, 1830	H	IWP		•
<i>Lutjanus argentimaculatus</i> (Forsskål, 1775)	H/E/M/FW	IWP	•	
<i>Lutjanus biguttatus</i> (Valenciennes, 1830)	H	IWP		•
<i>Lutjanus bohar</i> (Forsskål, 1775)	H	IWP	•	•
<i>Lutjanus carponotatus</i> (Richardson, 1842)	H	IWP	•	
<i>Lutjanus decussatus</i> (Cuvier, 1828)	H	IWP	•	•
<i>Lutjanus erythropterus</i> Bloch, 1790	S	IWP	•	
<i>Lutjanus fulviflamma</i> (Forsskål, 1775)	H	IWP	•	•
<i>Lutjanus fulvus</i> (Bloch & Schneider, 1801)	H/M	IWP		•
<i>Lutjanus gibbus</i> (Forsskål, 1775)	H	IWP		•
<i>Lutjanus johnii</i> (Bloch, 1792)	H/E/M	IWP	•	
<i>Lutjanus kasmira</i> (Forsskål, 1775)	H	IWP		•
<i>Lutjanus lemniscatus</i> (Valenciennes, 1828)	H	IWP	•	•
<i>Lutjanus lutjanus</i> Bloch, 1790	H	IWP	•	
<i>Lutjanus malabaricus</i> (Bloch & Schneider, 1801)	H/S	IWP	•	
<i>Lutjanus monostigma</i> (Cuvier, 1828)	H	IWP		•
<i>Lutjanus quinquelineatus</i> (Bloch, 1790)	H	IWP	•	•
<i>Lutjanus rivulatus</i> (Cuvier, 1828)	H	IWP	•	•
<i>Lutjanus rufolineatus</i> (Valenciennes, 1830)	H	IWP		•
<i>Lutjanus russellii</i> (Bleeker, 1849)	H	IWP	•	•
<i>Lutjanus sebae</i> (Cuvier, 1816)	H/M	IWP	•	
<i>Lutjanus vitta</i> (Quoy & Gaimard, 1824)	H	IWP	•	•

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<i>Macolor macularis</i> Fowler, 1931	H	IWP		•
<i>Macolor niger</i> (Forsskål, 1775)	H	IWP	•	•
<i>Paracaesio xanthurus</i> (Bleeker, 1869)	H	IWP		•
<i>Symphorichthys spilurus</i> (Günther, 1874)	H/S	IWP		•
<i>Symphorus nematophorus</i> (Bleeker, 1860)	H	IWP	•	•
Family: Caesionidae				
<i>Caesio caeruleaurea</i> Lacépède, 1801	H/P	IWP	•	•
<i>Caesio cuning</i> (Bloch, 1791)	H/P	IWP	•	•
<i>Caesio lunaris</i> Cuvier, 1830	H/P	IWP		•
<i>Caesio teres</i> Seale, 1906	H/P	IWP		•
<i>Caesio xanthonotus</i> Bleeker, 1853	P	IWP		•
<i>Pterocaesio digramma</i> (Bleeker, 1865)	H/P	IWP		•
<i>Pterocaesio pisang</i> (Bleeker, 1853)	H	IWP		•
<i>Pterocaesio randalli</i> Carpenter, 1987	H/P	IWP		•
<i>Pterocaesio tile</i> (Cuvier, 1830)	H/P	IWP		•
<i>Pterocaesio trilineata</i> Carpenter, 1987	H/P	IWP		•
Family: Nemipteridae				
<i>Nemipterus hexodon</i> (Quoy & Gaimard, 1824)	S	IWP	•	
<i>Pentapodus emeryii</i> (Richardson, 1843)	H/S	IWP	•	•
<i>Pentapodus paradiseus</i> (Günther, 1859)	H	IWP	•	
<i>Pentapodus porosus</i> (Valenciennes, 1830)	H	IA	•	
<i>Scaevius milii</i> (Bory de Saint-Vincent, 1823)	H/S	NA	•	•
<i>Scolopsis affinis</i> Peters, 1877	H/S	IWP		•
<i>Scolopsis bilineata</i> (Bloch, 1793)	H	IWP	•	•
<i>Scolopsis lineata</i> Quoy & Gaimard, 1824	H/S	IWP		•
<i>Scolopsis margaritifera</i> (Cuvier, 1830)	H/S	IWP		•
<i>Scolopsis monogramma</i> (Cuvier, 1830)	H/S	IWP	•	
<i>Scolopsis taeniopterus</i> (Cuvier, 1830)	H/S	IWP	•	
<i>Scolopsis trilineata</i> Kner, 1868	H/S	IWP		•
<i>Scolopsis xenochrous</i> Günther, 1872	H/S	IWP		•
Family: Gerreidae				
<i>Gerres filamentosus</i> Cuvier, 1829	S/E	IWP	•	
<i>Gerres oyena</i> (Forsskål, 1775)	S/E/M	IWP	•	•
<i>Gerres subfasciatus</i> Cuvier, 1830	S/E	A	•	
Family: Haemulidae				
<i>Diagramma pictum</i> (Thunberg, 1792)	H	IA	•	•
<i>Plectorhinchus chaetodonoides</i> Lacépède, 1801	H	IWP	•	•
<i>Plectorhinchus gibbosus</i> (Lacépède, 1802)	H/E	IWP	•	
<i>Plectorhinchus lessonii</i> (Cuvier, 1830)	H	IWP		•
<i>Plectorhinchus lineatus</i> (Linnaeus, 1758)	H	IWP		•
<i>Plectorhinchus multivittatus</i> (Macleay, 1878)	H	IWP	•	
<i>Plectorhinchus pica</i> (Cuvier, 1830)	H	IWP		•
<i>Plectorhinchus polytaenia</i> (Bleeker, 1852)	H	IWP	•	
<i>Plectorhinchus schotaf</i> (Forsskål, 1775)	H	IWP	•	
<i>Plectorhinchus vittatus</i> (Linnaeus, 1758)	H	IWP		•
<i>Pomadasys argenteus</i> (Forsskål, 1775)	S/E	IWP	•	
<i>Pomadasys kaakan</i> (Cuvier, 1830)	S/E	IWP	•	
<i>Pomadasys maculatus</i> (Bloch, 1793)	S/E	IWP	•	
Family: Lethrinidae				
<i>Gnathodentex aureolineatus</i> (Lacépède, 1802)	H	IWP		•

Species	Habitat code	Biogeographic code	Inshore	Offshore
<i>Gymnocranius grandoculis</i> (Valenciennes, 1830)	H/S	IWP		•
<i>Gymnocranius griseus</i> (Temminck & Schlegel, 1843)	S	IWP		•
<i>Gymnocranius microdon</i> (Bleeker, 1851)	H/S	IWP		•
<i>Lethrinus atkinsoni</i> Seale, 1910	H	IWP	•	•
<i>Lethrinus erythracanthus</i> Valenciennes, 1830	H	IWP		•
<i>Lethrinus erythropterus</i> Valenciennes, 1830	H	IWP		•
<i>Lethrinus harak</i> (Forsskål, 1775)	H/S	IWP		•
<i>Lethrinus laticaudis</i> Alleyne & Macleay, 1877	H/S	IWP	•	
<i>Lethrinus lentjan</i> (Lacépède, 1802)	H/S	IWP	•	•
<i>Lethrinus microdon</i> Valenciennes, 1830	H/S	IWP		•
<i>Lethrinus miniatus</i> (Forster, 1801)	H	IWP		•
<i>Lethrinus nebulosus</i> (Forsskål, 1775)	H/S	IWP	•	•
<i>Lethrinus obsoletus</i> (Forsskål, 1775)	H/S	IWP		•
<i>Lethrinus olivaceus</i> Valenciennes, 1830	H	IWP	•	•
<i>Lethrinus rubrioperculatus</i> Sato, 1978	H/S	IWP		•
<i>Lethrinus semicinctus</i> Valenciennes, 1830	H/S	IWP		•
<i>Lethrinus xanthochilus</i> Klunzinger, 1870	H	IWP		•
<i>Monotaxis grandoculis</i> (Forsskål, 1775)	H	IWP		•
Family: Sparidae				
<i>Acanthopagrus latus</i> (Houttuyn, 1782)	S/E/M	IWP	•	
<i>Acanthopagrus palmaris</i> (Whitley, 1935)	S/E	NA	•	
Family: Sciaenidae				
<i>Austronibeia oedogenys</i> Trewavas, 1977	S/E	IA	•	
<i>Johnius amblycephalus</i> (Bleeker, 1855)	S/E	IWP	•	
<i>Johnius borneensis</i> (Bleeker, 1851)	S/E	IWP	•	
<i>Johnius laevis</i> Sasaki & Kailola, 1991	S	IA	•	
<i>Johnius novaeguineae</i> (Nichols, 1950)	S/E	IA	•	
<i>Nibeia microgenys</i> Sasaki, 1992	S/E	NA	•	
<i>Otolithes ruber</i> (Bloch & Schneider, 1801)	S	IWP	•	
Family: Mullidae				
<i>Mulloidichthys flavolineatus</i> (Lacépède, 1801)	H/S	IWP		•
<i>Mulloidichthys vanicolensis</i> (Valenciennes, 1831)	H/S	IWP		•
<i>Parupeneus barberinoides</i> (Bleeker, 1852)	H/S	IWP		•
<i>Parupeneus barberinus</i> (Lacépède, 1801)	H/S	IWP		•
<i>Parupeneus crassilabris</i> (Valenciennes, 1831)	H/S	IWP		•
<i>Parupeneus cyclostomus</i> (Lacépède, 1801)	H/S	IWP		•
<i>Parupeneus indicus</i> (Shaw, 1803)	H/S	IWP	•	•
<i>Parupeneus multifasciatus</i> (Quoy & Gaimard, 1825)	H/S	IWP		•
<i>Parupeneus pleurostigma</i> (Bennett, 1831)	H/S	IWP		•
<i>Upeneus tragula</i> Richardson, 1846	H/S/E	IWP	•	•
Family: Monodactylidae				
<i>Monodactylus argenteus</i> (Linnaeus, 1758)	E	IWP		•
Family: Leptobramidae				
<i>Leptobrama muelleri</i> Steindachner, 1878	S/P	IA	•	
Family: Pempheridae				
<i>Parapriacanthus ransonneti</i> Steindachner, 1870	H/P	IWP		•
<i>Pempheris mangula</i> Cuvier, 1829	H	IWP	•	
<i>Pempheris oualensis</i> Cuvier, 1831	H	IWP	•	•
<i>Pempheris ypsilychnus</i> Mooi & Jubb, 1996	H	NA	•	

Species	Habitat code	Biogeographic code	Inshore	Offshore
Family: Toxotidae				
<i>Toxotes chatareus</i> (Hamilton, 1822)	S/E/M/FW	IWP	•	
<i>Toxotes jaculatrix</i> (Pallas, 1767)	S/E/M/FW	IWP	•	
Family: Kyphosidae				
<i>Kyphosus bigibbus</i> Lacépède, 1801	H	IWP		•
<i>Kyphosus cinerascens</i> (Forsskål, 1775)	H	IWP		•
<i>Kyphosus vaigiensis</i> (Quoy & Gaimard, 1825)°	H	IWP	•	•
Family: Ephippidae				
<i>Drepane punctata</i> (Linnaeus, 1758)	S	IWP	•	
<i>Platax batavianus</i> Cuvier, 1831	H/S	IWP	•	•
<i>Platax orbicularis</i> (Forsskål, 1775)	H	IWP	•	•
<i>Platax pinnatus</i> (Linnaeus, 1758)	H	IWP		•
<i>Platax teira</i> (Forsskål, 1775)	H	IWP	•	•
<i>Zabidius novemaculeatus</i> (McCulloch, 1916)	S	IA	•	
Family: Scatophagidae				
<i>Scatophagus argus</i> (Linnaeus, 1766)	E/M/FW	IWP	•	
<i>Selenotoca multifasciata</i> (Richardson, 1846)	E/M/FW	IA	•	
Family: Rhinoprenidae				
<i>Rhinoprenes pentanemus</i> Munro, 1964	S	IA	•	
Family: Chaetodontidae				
<i>Chaetodon adiergastos</i> Seale, 1910	H	IWP	•	•
<i>Chaetodon aureofasciatus</i> Macleay, 1878	H	IA	•	
<i>Chaetodon auriga</i> Forsskål, 1775	H	IWP	•	•
<i>Chaetodon baronessa</i> Cuvier, 1829	H	IWP		•
<i>Chaetodon bennetti</i> Cuvier, 1831	H	IWP		•
<i>Chaetodon citrinellus</i> Cuvier, 1831	H	IWP		•
<i>Chaetodon decussatus</i> Cuvier, 1829	H	IWP		•
<i>Chaetodon ephippium</i> Cuvier, 1831	H	IWP		•
<i>Chaetodon kleinii</i> Bloch, 1790	H	IWP		•
<i>Chaetodon lineolatus</i> Cuvier, 1831	H	IWP	•	•
<i>Chaetodon lunula</i> (Lacépède, 1802)	H	IWP	•	•
<i>Chaetodon lunulatus</i> Quoy & Gaimard, 1825	H	IWP		•
<i>Chaetodon melannotus</i> Bloch & Schneider, 1801	H	IWP		•
<i>Chaetodon meyeri</i> Bloch & Schneider, 1801	H	IWP		•
<i>Chaetodon ocellicaudus</i> Cuvier, 1831	H	IWP		•
<i>Chaetodon ornatissimus</i> Cuvier, 1831	H	IWP		•
<i>Chaetodon oxycephalus</i> Bleeker, 1853	H	IWP		•
<i>Chaetodon pelewensis</i> Kner, 1868	H	IWP		•
<i>Chaetodon punctatofasciatus</i> Cuvier, 1831	H	IWP		•
<i>Chaetodon rafflesii</i> Bennett, 1830	H	IWP		•
<i>Chaetodon semeion</i> Bleeker, 1855	H	IWP		•
<i>Chaetodon speculum</i> Cuvier, 1831	H	IWP	•	•
<i>Chaetodon trifascialis</i> Quoy & Gaimard, 1825	H	IWP	•	•
<i>Chaetodon ulietensis</i> Cuvier, 1831	H	IWP		•
<i>Chaetodon unimaculatus</i> Bloch, 1787	H	IWP		•
<i>Chaetodon vagabundus</i> Linnaeus, 1758	H	IWP	•	•
<i>Chelmon marginalis</i> Richardson, 1842	H	A	•	
<i>Chelmon muelleri</i> Klunzinger, 1879	H	A	•	
<i>Coradion altivelis</i> McCulloch, 1916	H	IWP		•

Species	Habitat code	Biogeographic code	Inshore	Offshore
<i>Coradion chrysozonus</i> (Cuvier, 1831)	H	IWP	•	•
<i>Forcipiger flavissimus</i> Jordan & McGregor, 1898	H	IWP		•
<i>Forcipiger longirostris</i> (Broussonet, 1782)	H	IWP		•
<i>Hemitaurichthys polylepis</i> (Bleeker, 1857)	H	IWP		•
<i>Heniochus acuminatus</i> (Linnaeus, 1758)	H	IWP	•	•
<i>Heniochus chrysostomus</i> Cuvier, 1831	H	IWP		•
<i>Heniochus monoceros</i> Cuvier, 1831	H	IWP		•
<i>Heniochus singularius</i> Smith & Radcliffe, 1911	H	IWP		•
<i>Heniochus varius</i> (Cuvier, 1829)	H	IWP		•
<i>Parachaetodon ocellatus</i> (Cuvier, 1831)	H	IWP	•	
Family: Pomacanthidae				
<i>Apolemichthys trimaculatus</i> (Cuvier, 1831)	H	IWP		•
<i>Centropyge bicolor</i> (Bloch, 1787)	H	IWP		•
<i>Centropyge bispinosa</i> (Günther, 1860)	H	IWP		•
<i>Centropyge eibli</i> Klausewitz, 1963	H	IA		•
<i>Centropyge fisheri</i> (Snyder, 1904)	H	IP		•
<i>Centropyge nox</i> (Bleeker, 1853)	H	IWP		•
<i>Centropyge tibicen</i> (Cuvier, 1831)	H	IWP		•
<i>Centropyge vrolikii</i> (Bleeker, 1853)	H	IWP		•
<i>Chaetodontoplus duboulayi</i> (Günther, 1867)	H/S	IWP	•	
<i>Chaetodontoplus mesoleucus</i> (Bloch, 1787)	H	IWP	•	•
<i>Chaetodontoplus personifer</i> (McCulloch, 1914)	H	NA	•	
<i>Genicanthus lamarck</i> (Lacépède, 1802)	H	IWP		•
<i>Pomacanthus imperator</i> (Bloch, 1787)	H	IWP		•
<i>Pomacanthus navarchus</i> (Cuvier, 1831)	H	IWP		•
<i>Pomacanthus semicirculatus</i> (Cuvier, 1831)	H	IWP		•
<i>Pomacanthus sexstriatus</i> (Cuvier, 1831)	H	IWP	•	•
<i>Pomacanthus xanthometopon</i> (Bleeker, 1853)	H	IWP		•
<i>Pygoplites diacanthus</i> (Boddaert, 1772)	H	IWP		•
Family: Pomacentridae				
<i>Abudefduf bengalensis</i> (Bloch, 1787)	H	IWP	•	
<i>Abudefduf septemfasciatus</i> (Cuvier, 1830)	H	IWP		•
<i>Abudefduf sexfasciatus</i> (Lacépède, 1801)	H	IWP		•
<i>Abudefduf sordidus</i> (Forsskål, 1775)	H	IWP	•	•
<i>Abudefduf vaigiensis</i> (Quoy & Gaimard, 1825)	H	IWP	•	•
<i>Acanthochromis polyacanthus</i> (Bleeker, 1855)	H	IWP	•	•
<i>Amblyglyphidodon aureus</i> (Cuvier, 1830)	H	IWP		•
<i>Amblyglyphidodon batunai</i> Allen, 1995	H	IA	•	
<i>Amblyglyphidodon curacao</i> (Bloch, 1787)	H	IWP		•
<i>Amblyglyphidodon leucogaster</i> (Bleeker, 1847)	H	IWP		•
<i>Amphiprion clarkii</i> (Bennett, 1830)	H/EZ	IWP	•	•
<i>Amphiprion melanopus</i> Bleeker, 1852	H/EZ	IWP		•
<i>Amphiprion ocellaris</i> Cuvier, 1830	H/EZ	IWP	•	•
<i>Amphiprion perideraion</i> Bleeker, 1855	H/EZ	IWP		•
<i>Amphiprion rubrocinctus</i> Richardson, 1842	H/EZ	NA	•	
<i>Amphiprion sandaracinos</i> Allen, 1972	H/EZ	IWP	•	•
<i>Cheiloprion labiatus</i> (Day, 1877)	H	IWP	•	•
<i>Chromis alpha</i> Randall, 1988	H	IWP		•
<i>Chromis amboinensis</i> (Bleeker, 1873)	H	IWP		•
<i>Chromis analis</i> (Cuvier, 1830)	H	IWP		•
<i>Chromis atripectoralis</i> Welander & Schultz, 1951	H	IWP	•	•

Species	Habitat code	Biogeographic code	Inshore	Offshore
<i>Chromis atripes</i> Fowler & Bean, 1928	H	IWP		•
<i>Chromis caudalis</i> Randall, 1988	H	IWP		•
<i>Chromis cinerascens</i> (Cuvier, 1830)	H	IWP	•	
<i>Chromis elerae</i> Fowler & Bean, 1928	H	IWP		•
<i>Chromis fumea</i> (Tanaka, 1917)	H	IWP		•
<i>Chromis lepidolepis</i> Bleeker, 1877	H	IWP		•
<i>Chromis lineata</i> Fowler & Bean, 1928	H	IWP		•
<i>Chromis margaritifer</i> Fowler, 1946	H	IWP		•
<i>Chromis opercularis</i> (Günther, 1867)	H	IO		•
<i>Chromis retrofasciata</i> Weber, 1913	H	IWP		•
<i>Chromis ternatensis</i> (Bleeker, 1856)	H	IWP		•
<i>Chromis vanderbilti</i> (Fowler, 1941)	H	IWP		•
<i>Chromis viridis</i> (Cuvier, 1830)	H	IWP	•	•
<i>Chromis weberi</i> Fowler & Bean, 1928	H	IWP		•
<i>Chromis xanthochira</i> (Bleeker, 1851)	H	IWP		•
<i>Chromis xanthura</i> (Bleeker, 1854)	H	IWP		•
<i>Chrysiptera biocellata</i> (Quoy & Gaimard, 1825)	H	IWP		•
<i>Chrysiptera brownriggii</i> (Bennett, 1828)	H	IWP		•
<i>Chrysiptera caeruleolineata</i> (Allen, 1973)	H	IWP		•
<i>Chrysiptera cyanea</i> (Quoy & Gaimard, 1825)	H	IWP		•
<i>Chrysiptera glauca</i> (Cuvier, 1830)	H	IWP		•
<i>Chrysiptera hemicyanea</i> (Weber, 1913)	H	IWP		•
<i>Chrysiptera rex</i> (Snyder, 1909)	H	IWP		•
<i>Chrysiptera rollandi</i> (Whitley, 1961)	H	IWP	•	•
<i>Chrysiptera talboti</i> (Allen, 1975)	H	IWP		•
<i>Chrysiptera unimaculata</i> (Cuvier, 1830)	H	IWP		•
<i>Dascyllus aruanus</i> (Linnaeus, 1758)	H	IWP		•
<i>Dascyllus melanurus</i> Bleeker, 1854	H	IWP		•
<i>Dascyllus reticulatus</i> (Richardson, 1846)	H	IWP	•	•
<i>Dascyllus trimaculatus</i> (Rüppell, 1829)	H	IWP	•	•
<i>Dischistodus chrysopoecilus</i> (Schlegel & Müller, 1839)	H	IWP		•
<i>Dischistodus darwiniensis</i> (Whitley, 1928)	H	NA	•	
<i>Dischistodus melanotus</i> (Bleeker, 1858)	H	IWP		•
<i>Dischistodus perspicillatus</i> (Cuvier, 1830)	H/S	IWP		•
<i>Dischistodus prosopotaenia</i> (Bleeker, 1852)	H	IWP	•	•
<i>Hemiglyphidodon plagiometopon</i> (Bleeker, 1852)	H	IWP	•	•
<i>Lepidozygus tapeinosoma</i> (Bleeker, 1856)	H	IWP		•
<i>Neoglyphidodon melas</i> (Cuvier, 1830)	H	IWP	•	•
<i>Neoglyphidodon nigroris</i> (Cuvier, 1830)	H	IWP	•	•
<i>Neoglyphidodon oxyodon</i> (Bleeker, 1858)	H	IWP		•
<i>Neopomacentrus azysron</i> (Bleeker, 1877)	H	IWP	•	•
<i>Neopomacentrus cyanomos</i> (Bleeker, 1856)	H	IWP	•	•
<i>Neopomacentrus filamentosus</i> (Macleay, 1882)	H	IWP	•	
<i>Neopomacentrus taeniurus</i> (Bleeker, 1856)	H/E/FW	IWP	•	
<i>Plectroglyphidodon dickii</i> (Liénard, 1839)	H	IWP		•
<i>Plectroglyphidodon imparipennis</i> (Vaillant & Sauvage, 1875)	H	IWP		•
<i>Plectroglyphidodon johnstonianus</i> Fowler & Ball, 1924	H	IWP		•
<i>Plectroglyphidodon lacrymatus</i> (Quoy & Gaimard, 1825)	H	IWP		•
<i>Plectroglyphidodon leucozonus</i> (Bleeker, 1859)	H	IWP		•
<i>Pomacentrus adelus</i> Allen, 1991	H	IWP	•	•
<i>Pomacentrus alexanderae</i> Evermann & Seale, 1907	H	IWP		•
<i>Pomacentrus amboinensis</i> Bleeker, 1868	H	IWP		•

Species	Habitat code	Biogeographic code	Inshore	Offshore
<i>Pomacentrus bankanensis</i> Bleeker, 1853	H	IWP	•	•
<i>Pomacentrus chrysurus</i> Cuvier, 1830	H	IWP		•
<i>Pomacentrus coelestis</i> Jordan & Starks, 1901	H	IWP	•	•
<i>Pomacentrus grammorhynchus</i> Fowler, 1918	H	IWP		•
<i>Pomacentrus lepidogenys</i> Fowler & Bean, 1928	H	IWP		•
<i>Pomacentrus limosus</i> Allen, 1992	H	WA	•	
<i>Pomacentrus littoralis</i> Cuvier, 1830	H	IWP	•	
<i>Pomacentrus milleri</i> Taylor, 1964	H	NA	•	
<i>Pomacentrus moluccensis</i> Bleeker, 1853	H	IWP		•
<i>Pomacentrus nagasakiensis</i> Tanaka, 1917	H	IWP	•	•
<i>Pomacentrus nigromanus</i> Weber, 1913	H	IA	•	•
<i>Pomacentrus nigromarginatus</i> Allen, 1973	H	IA		•
<i>Pomacentrus pavo</i> (Bloch, 1787)	H	IWP		•
<i>Pomacentrus philippinus</i> Evermann & Seale, 1907	H	IWP	•	•
<i>Pomacentrus reidi</i> Fowler & Bean, 1928	H	IWP		•
<i>Pomacentrus tripunctatus</i> Cuvier, 1830	H	IWP	•	
<i>Pomacentrus vaiuli</i> Jordan & Seale, 1906	H	IWP		•
<i>Pomachromis richardsoni</i> (Snyder, 1909)	H	IWP		•
<i>Premnas biaculeatus</i> (Bloch, 1790)	H/EZ	IWP		•
<i>Stegastes albifasciatus</i> (Schlegel & Müller, 1839)	H	IWP		•
<i>Stegastes fasciolatus</i> (Ogilby, 1889)	H	IWP	•	•
<i>Stegastes nigricans</i> (Lacépède, 1802)	H	IWP	•	•
<i>Stegastes obreptus</i> (Whitley, 1948)	H	IWP	•	
<i>Stegastes punctatus</i> (Quoy & Gaimard, 1825)	H	IWP		•
Family: Cirrhitidae				
<i>Cirrhitichthys falco</i> Randall, 1963	H	IWP		•
<i>Cirrhitichthys oxycephalus</i> (Bleeker, 1855)	H	IWP		•
<i>Cirrhitus pinnulatus</i> (Bloch & Schneider, 1801)	H	IWP		•
<i>Oxycirrhites typus</i> Bleeker, 1857	H	IWP		•
<i>Paracirrhites arcatus</i> (Cuvier, 1829)	H	IWP		•
<i>Paracirrhites forsteri</i> (Schneider, 1801)	H	IWP		•
Family: Cepolidae				
<i>Acanthocephala abbreviata</i> (Valenciennes, 1835)	S	IWP	•	
Family: Mugilidae				
<i>Ellochelon vaigiensis</i> (Quoy & Gaimard, 1825)	H/S/P/E	IWP	•	•
<i>Liza alata</i> (Steindachner, 1892)	S	IWP	•	
<i>Liza macrolepis</i> (Smith, 1846) ⁿ	S/E/FW	IWP	•	
<i>Liza subviridis</i> (Valenciennes, 1836)	S/P	IWP	•	
<i>Mugil cephalus</i> Linnaeus, 1758	H/S/P/E/FW	C	•	
<i>Oedalechilus labiosus</i> (Valenciennes, 1836)	H/S/P/E	IWP	•	
<i>Paramugil parmatus</i> (Cantor, 1849)	S/P	IWP	•	
<i>Rhinomugil nasutus</i> (De Vis, 1883)	S/P/E	IA	•	
<i>Valamugil buchanani</i> (Bleeker, 1853)	H/S/P/E	IWP	•	•
<i>Valamugil cunnesius</i> (Valenciennes, 1836)	S/P/E	IWP	•	
<i>Valamugil seheli</i> (Forsskål, 1775)	H/S/P/E	IWP	•	
Family: Sphyraenidae				
<i>Sphyraena barracuda</i> (Edwards, 1771)	H/P/E	C	•	•
<i>Sphyraena jello</i> Cuvier, 1829	H/P/E	IWP	•	
<i>Sphyraena obtusata</i> Cuvier, 1829	H/P	IWP	•	•
<i>Sphyraena putnamae</i> Jordan & Seale, 1907	P	IWP	•	

Species	Habitat code	Biogeographic code	Inshore	Offshore
Family: Polynemidae				
<i>Eleutheronema tetradactylus</i> (Shaw, 1804)	S/E	IWP	•	
<i>Parapolynemus verekeri</i> (Saville-Kent, 1889)	S/E	IA	•	
<i>Polydactylus macrochir</i> (Günther, 1867)	S/P/E/M	IA	•	
<i>Polydactylus multiradiatus</i> (Günther, 1860)	S/E	IA	•	
<i>Polydactylus nigripinnis</i> Munro, 1964	S	IA	•	
Family: Labridae				
<i>Anampses caeruleopunctatus</i> Rüppell, 1829	H	IWP		•
<i>Anampses geographicus</i> Valenciennes, 1840	H	IWP		•
<i>Anampses lennardi</i> Scott, 1959	H	NA	•	
<i>Anampses melanurus</i> Bleeker, 1857	H	IWP		•
<i>Anampses meleagrides</i> Valenciennes, 1840	H	IWP		•
<i>Anampses neoguinaicus</i> Bleeker, 1878	H	IWP		•
<i>Anampses twistii</i> Bleeker, 1856	H	IWP		•
<i>Bodianus anthioides</i> (Bennett, 1832)	H	IWP		•
<i>Bodianus axillaris</i> (Bennett, 1832)	H	IWP	•	•
<i>Bodianus diana</i> (Lacépède, 1801)	H	IO	•	•
<i>Bodianus mesothorax</i> (Bloch & Schneider, 1801)	H	IWP	•	•
<i>Bolbometopon muricatum</i> (Valenciennes, 1840)	H	IWP		•
<i>Calotomus carolinus</i> (Valenciennes, 1840)	H	IWP		•
<i>Calotomus spinidens</i> (Quoy & Gaimard, 1824)	H	IWP		•
<i>Cetoscarus ocellatus</i> (Valenciennes, 1840) ^a	H	IWP		•
<i>Cheilinus chlorourus</i> (Bloch, 1791)	H	IWP	•	•
<i>Cheilinus fasciatus</i> (Bloch, 1791)	H	IWP	•	•
<i>Cheilinus oxycephalus</i> Bleeker, 1853	H	IWP		•
<i>Cheilinus trilobatus</i> Lacépède, 1801	H	IWP	•	•
<i>Cheilinus undulatus</i> Rüppell, 1835	H	IWP		•
<i>Cheilio inermis</i> (Forsskål, 1775)	H/SG	IWP		•
<i>Chlorurus bleekeri</i> (de Beaufort, 1940)	H	IWP		•
<i>Chlorurus microrhinos</i> (Bleeker, 1854)	H	IWP		•
<i>Chlorurus sordidus</i> (Forsskål, 1775)	H	IWP	•	•
<i>Choerodon cauteroma</i> Gomon & Allen, 1987	H	IA	•	
<i>Choerodon cephalotes</i> (Castelnau, 1875)	H	IWP	•	
<i>Choerodon cyanodus</i> (Richardson, 1843)	H	A	•	
<i>Choerodon monostigma</i> Ogilby, 1910	H/S	IA	•	
<i>Choerodon schoenleinii</i> (Valenciennes, 1839)	H	IWP	•	
<i>Choerodon vitta</i> Ogilby, 1910	H	IA	•	
<i>Cirrhilabrus cyanopleura</i> (Bleeker, 1851)	H	IWP		•
<i>Cirrhilabrus exquisitus</i> Smith, 1957	H	IWP		•
<i>Cirrhilabrus morrisoni</i> Allen, 1998	H	WA		•
<i>Cirrhilabrus randalli</i> Allen, 1995	H	WA		•
<i>Cirrhilabrus temminckii</i> Bleeker, 1853	H	IWP		•
<i>Conniella apterygia</i> Allen, 1983	H	WA		•
<i>Coris aygula</i> Lacépède, 1801	H	IWP	•	•
<i>Coris batuensis</i> (Bleeker, 1857)	H	IWP		•
<i>Coris caudimacula</i> (Quoy & Gaimard, 1834)	H	IO	•	•
<i>Coris dorsomacula</i> Fowler, 1908	H	IWP		•
<i>Coris gaimard</i> (Quoy & Gaimard, 1824)	H	IWP		•
<i>Coris pictoides</i> Randall & Kuitert, 1982	H	IWP	•	
<i>Cymolutes praetextatus</i> (Quoy & Gaimard, 1834)	H/S	IWP		•
<i>Diproctacanthus xanthurus</i> (Bleeker, 1856)	H	IWP	•	•

Species	Habitat code	Biogeographic code	Inshore	Offshore
<i>Epibulus insidiator</i> (Pallas, 1770)	H	IWP		•
<i>Gomphosus varius</i> Lacépède, 1801	H	IWP	•	•
<i>Halichoeres biocellatus</i> Schultz, 1960	H	IWP		•
<i>Halichoeres chrysus</i> Randall, 1981	H	IWP		•
<i>Halichoeres claudia</i> Randall & Rocha, 2009	H	IWP		•
<i>Halichoeres hartzfeldii</i> (Bleeker, 1852)	H/S	IWP	•	•
<i>Halichoeres hortulanus</i> (Lacépède, 1801)	H/S	IWP	•	•
<i>Halichoeres leucurus</i> (Walbaum, 1792)	H	IWP	•	
<i>Halichoeres margaritaceus</i> (Valenciennes, 1839)	H	IWP		•
<i>Halichoeres marginatus</i> Rüppell, 1835	H	IWP	•	•
<i>Halichoeres melanochir</i> Fowler & Bean, 1928	H	IWP	•	•
<i>Halichoeres melanurus</i> (Bleeker, 1851)	H	IWP	•	•
<i>Halichoeres melasmapomus</i> Randall, 1981	H	IWP		•
<i>Halichoeres nebulosus</i> (Valenciennes, 1839)	H	IWP	•	•
<i>Halichoeres nigrescens</i> (Bloch & Schneider, 1801)	H	IWP	•	•
<i>Halichoeres ornatissimus</i> (Garrett, 1864)	H	IWP		•
<i>Halichoeres prosopion</i> (Bleeker, 1853)	H	IWP		•
<i>Halichoeres scapularis</i> (Bennett, 1832)	H/S	IWP		•
<i>Halichoeres trimaculatus</i> (Cuvier, 1834)	H/S	IWP		•
<i>Hemigymnus fasciatus</i> (Bloch, 1792)	H	IWP	•	•
<i>Hemigymnus melapterus</i> (Bloch, 1791)	H	IWP	•	•
<i>Hipposcarus longiceps</i> (Valenciennes, 1840)	H	IWP		•
<i>Hologymnosus doliatus</i> (Lacépède, 1801)	H	IWP		•
<i>Iniistius pavo</i> (Valenciennes, 1840)	H/S	IP		•
<i>Labrichthys unilineatus</i> (Guichenot, 1847)	H	IWP		•
<i>Labroides bicolor</i> Fowler & Bean, 1928	H	IWP		•
<i>Labroides dimidiatus</i> (Valenciennes, 1839)	H	IWP	•	•
<i>Labroides pectoralis</i> Randall & Springer, 1975	H	IWP		•
<i>Labropsis manabei</i> Schmidt, 1930	H	IWP		•
<i>Labropsis xanthonota</i> Randall, 1981	H	IWP		•
<i>Leptojulis cyanopleura</i> (Bleeker, 1853)	H	IWP		•
<i>Leptoscarus vaigiensis</i> (Quoy & Gaimard, 1824)	H	IWP		•
<i>Macropharyngodon meleagris</i> (Valenciennes, 1839)	H	IWP		•
<i>Macropharyngodon negrosensis</i> Herre, 1932	H	IWP	•	•
<i>Macropharyngodon ornatus</i> Randall, 1978	H	IWP		•
<i>Novaculichthys taeniourus</i> (Lacépède, 1801)	H/S	IWP		•
<i>Oxycheilinus bimaculatus</i> (Valenciennes, 1840)	H	IWP		•
<i>Oxycheilinus celebicus</i> (Bleeker, 1853)	H	IWP		•
<i>Oxycheilinus digrammus</i> (Lacépède, 1801)	H	IWP		•
<i>Oxycheilinus unifasciatus</i> (Streets, 1877)	H	IWP		•
<i>Paracheilinus flavianalis</i> Kuitert & Allen, 1999	H	IWP		•
<i>Pseudocheilinus evanidus</i> Jordan & Evermann, 1903	H	IWP		•
<i>Pseudocheilinus hexataenia</i> (Bleeker, 1857)	H	IWP	•	•
<i>Pseudocheilinus octotaenia</i> Jenkins, 1901	H	IWP		•
<i>Pseudocoris yamashiroi</i> (Schmidt, 1930)	H	IWP		•
<i>Pseudodax moluccanus</i> (Valenciennes, 1840)	H	IWP		•
<i>Pteragogus cryptus</i> Randall, 1981	H	IWP		•
<i>Pteragogus enneacanthus</i> (Bleeker, 1851)	H	IWP		•
<i>Pteragogus flagellifer</i> (Valenciennes, 1839)	H	IWP		•
<i>Scarus dimidiatus</i> Bleeker, 1859	H	IWP		•
<i>Scarus flavipectoralis</i> Schultz, 1958	H	IWP		•
<i>Scarus forsteni</i> (Bleeker, 1861)	H	IWP		•

Species	Habitat code	Biogeographic code	Inshore	Offshore
<i>Scarus frenatus</i> Lacépède, 1802	H	IWP		•
<i>Scarus ghobban</i> Forsskål, 1775	H	IP	•	•
<i>Scarus globiceps</i> Valenciennes, 1840	H	IWP		•
<i>Scarus niger</i> Forsskål, 1775	H	IWP		•
<i>Scarus oviceps</i> Valenciennes, 1840	H	IWP		•
<i>Scarus prasiognathus</i> Valenciennes, 1840	H	IWP		•
<i>Scarus psittacus</i> Forsskål, 1775	H	IWP		•
<i>Scarus rivulatus</i> Valenciennes, 1840	H	IWP	•	•
<i>Scarus rubroviolaceus</i> Bleeker, 1847	H	IP	•	•
<i>Scarus schlegeli</i> (Bleeker, 1861)	H	IWP	•	•
<i>Scarus spinus</i> (Kner, 1868)	H	IWP		•
<i>Scarus tricolor</i> Bleeker, 1847	H	IWP		•
<i>Scarus xanthopleura</i> Bleeker, 1853	H	IWP		•
<i>Stethojulis bandanensis</i> (Bleeker, 1851)	H	IWP		•
<i>Stethojulis interrupta</i> (Bleeker, 1851)	H	IWP	•	•
<i>Stethojulis strigiventer</i> (Bennett, 1832)	H	IWP		•
<i>Stethojulis trilineata</i> (Bloch & Schneider, 1801)	H	IWP		•
<i>Thalassoma amblycephalum</i> (Bleeker, 1856)	H	IWP	•	•
<i>Thalassoma hardwicke</i> (Bennett, 1829)	H	IWP	•	•
<i>Thalassoma janseni</i> (Bleeker, 1856)	H	IWP		•
<i>Thalassoma lunare</i> (Linnaeus, 1758)	H	IWP	•	•
<i>Thalassoma purpureum</i> (Forsskål, 1775)	H	IWP	•	•
<i>Thalassoma quinquevittatum</i> (Lay & Bennett, 1839)	H	IWP		•
<i>Thalassoma trilobatum</i> (Lacépède, 1801)	H	IWP		•
<i>Wetmorella albofasciata</i> Schultz & Marshall, 1954	H	IWP		•
<i>Wetmorella nigropinnata</i> (Seale, 1901)	H	IWP		•
Family: Opistognathidae				
<i>Opistognathus darwiniensis</i> Macleay, 1878	H/S	NA	•	
<i>Opistognathus inornatus</i> Ramsay & Ogilby, 1887	S	WA	•	
<i>Opistognathus reticeps</i> Smith-Vaniz, 2004	S	NA	•	
<i>Opistognathus reticulatus</i> (McKay, 1969)	S	WA	•	
Family: Pinguipedidae				
<i>Parapercis clathrata</i> Ogilby, 1910	H	IWP	•	•
<i>Parapercis cylindrica</i> (Bloch, 1797)	H	IWP	•	•
<i>Parapercis millepunctata</i> (Günther, 1860) †	H	IWP		•
<i>Parapercis multiplicata</i> Randall, 1984	H	IWP		•
<i>Parapercis nebulosa</i> (Quoy & Gaimard, 1825)	H/S	NA	•	
<i>Parapercis pacifica</i> Imamura & Yoshino, 2007	H/S	IWP		•
<i>Parapercis schauinslandii</i> (Steindachner, 1900)	H/S	IWP		•
<i>Parapercis snyderi</i> Jordan & Starks, 1905	H/S	IWP	•	•
Family: Trichonotidae				
<i>Trichonotus elegans</i> Shimada & Yoshino, 1984	H/S	IWP		•
<i>Trichonotus setiger</i> Bloch & Schneider, 1801	H/S	IWP	•	
Family: Creediidae				
<i>Linnichthys nitidus</i> Smith, 1958	H/S	IWP		•
Family: Uranoscopidae				
<i>Ichthyoscopus fasciatus</i> Haysom, 1957	S	IA	•	
<i>Ichthyoscopus insperatus</i> Mees, 1960	S	NA	•	
<i>Ichthyoscopus spinosus</i> Mees, 1960	S	WA	•	

Species	Habitat code	Biogeographic code	Inshore	Offshore
Family: Blenniidae				
<i>Aspidontus dussumieri</i> (Valenciennes, 1836)	P	IWP		•
<i>Aspidontus taeniatus</i> Quoy & Gaimard, 1834	P	IWP		•
<i>Atrosalarias fuscus</i> (Rüppell, 1838) ^s	H	IWP	•	•
<i>Blenniella chrysospilos</i> (Bleeker, 1857)	H	IWP	•	•
<i>Blenniella periophthalmus</i> (Valenciennes, 1836)	H	IWP	•	•
<i>Cirripectes alleni</i> Williams, 1993	H	WA	•	
<i>Cirripectes castaneus</i> (Valenciennes, 1836)	H	IWP		•
<i>Cirripectes filamentosus</i> (Alleyne & Macleay, 1877)	H	IWP	•	•
<i>Cirripectes polyzona</i> (Bleeker, 1868)	H	IWP	•	•
<i>Cirripectes stigmaticus</i> Strasburg & Schultz, 1953	H	IWP		•
<i>Ecsenius alleni</i> Springer, 1988	H	WA		•
<i>Ecsenius bicolor</i> (Day, 1888)	H	IWP		•
<i>Ecsenius lineatus</i> Klausewitz, 1962	H	IWP		•
<i>Ecsenius lividanalalis</i> Chapman & Schultz, 1952	H	IWP	•	•
<i>Ecsenius namiyei</i> (Jordan & Evermann, 1902)	H	IWP		•
<i>Ecsenius oculatus</i> Springer, 1988	H	IO		•
<i>Ecsenius schroederi</i> McKinney & Springer, 1976	H	IWP		•
<i>Ecsenius stictus</i> Springer, 1988	H	IWP		•
<i>Ecsenius trilineatus</i> Springer, 1972	H	IWP		•
<i>Ecsenius yaeyamaensis</i> (Aoyagi, 1954)	H	IWP	•	•
<i>Enchelyurus kraussii</i> (Klunzinger, 1871)	H	IWP		•
<i>Entomacrodus decussatus</i> (Bleeker, 1858)	H	IWP	•	
<i>Exallias brevis</i> (Kner, 1868)	H	IWP		•
<i>Glyptoparus delicatulus</i> Smith, 1959	H	IWP		•
<i>Istiblennius edentulus</i> (Forster & Schneider, 1801)	H	IWP	•	•
<i>Istiblennius lineatus</i> (Valenciennes, 1836)	H	IWP		•
<i>Istiblennius meleagris</i> (Valenciennes, 1836)	H	A	•	
<i>Laiphognathus multimaculatus</i> Smith, 1955	H	IWP	•	
<i>Meiacanthus atrodorsalis</i> (Günther, 1877)	H	IWP		•
<i>Meiacanthus ditrema</i> Smith-Vaniz, 1976	H	IWP		•
<i>Meiacanthus grammistes</i> (Valenciennes, 1836)	H	IWP	•	•
<i>Meiacanthus naevius</i> Smith-Vaniz, 1987	H	WA		•
<i>Nannosalarias nativitatis</i> (Regan, 1909)	H	IWP		•
<i>Omobranchus ferox</i> (Herre, 1927)	E/M	IWP	•	
<i>Omobranchus germaini</i> (Sauvage, 1883)	H	IWP	•	
<i>Omobranchus lineolatus</i> (Kner, 1868)	E/M	IA	•	
<i>Omobranchus punctatus</i> (Valenciennes, 1836)	H/S/E	IWP	•	
<i>Omobranchus rotundiceps</i> (Macleay, 1881)	H	IWP	•	
<i>Omobranchus verticalis</i> Springer & Gomon, 1975	S/E	A	•	
<i>Petroscirtes breviceps</i> (Valenciennes, 1836)	H	IWP	•	•
<i>Petroscirtes mitratus</i> Rüppell, 1830	H	IWP		•
<i>Petroscirtes xestus</i> Jordan & Seale, 1906	H	IWP		•
<i>Plagiotremus laudandus</i> (Whitley, 1961)	H/P	IWP		•
<i>Plagiotremus rhinorhynchus</i> (Bleeker, 1852)	H/P	IWP		•
<i>Plagiotremus tapeinosoma</i> (Bleeker, 1857)	H/P	IWP		•
<i>Salarias fasciatus</i> (Bloch, 1786)	H	IWP	•	•
<i>Salarias guttatus</i> Valenciennes, 1836	H	IWP		•
<i>Salarias patzneri</i> Bath, 1992	H	IA		•
<i>Salarias sexfilum</i> Günther, 1861	H	IWP	•	•
<i>Salarias sinuosus</i> Snyder, 1908	H	IWP		•

Species	Habitat code	Biogeographic code	Inshore	Offshore
Family: Tripterygiidae				
<i>Ceratobregma helenae</i> Holleman, 1987	H	IWP	•	•
<i>Enneapterygius elegans</i> (Peters, 1876)	H	IWP		•
<i>Enneapterygius flavocipitis</i> Shen, 1994	H	IWP	•	•
<i>Enneapterygius gracilis</i> Fricke, 1994	H	NA	•	
<i>Enneapterygius hemimelas</i> (Kner & Steindachner, 1867)	H	IWP		•
<i>Enneapterygius larsonae</i> Fricke, 1994	H	IA	•	•
<i>Enneapterygius nanus</i> (Schultz, 1960)	H	IWP		•
<i>Enneapterygius philippinus</i> (Peters, 1868) †	H	IWP		•
<i>Enneapterygius tutuilae</i> Jordan & Seale, 1906	H	IWP		•
<i>Enneapterygius zieglerei</i> Fricke, 1994	H	IWP		•
<i>Helcogramma chica</i> Rosenblatt, 1960	H	IWP		•
<i>Helcogramma striata</i> Hansen, 1986	H	IWP	•	•
<i>Norfolkia brachylepis</i> (Schultz, 1960)	H	IWP		•
<i>Ucla xenogrammus</i> Holleman, 1993	H	IWP		•
Family: Schindleriidae				
<i>Schindleria praematura</i> (Schindler, 1931)	H/P	IWP		•
Family: Callionymidae				
<i>Anaora tentaculata</i> Gray, 1835	H/S	IWP		•
<i>Bathycallionymus bifilum</i> Johnson, 1971 ^u	H/S	IWP		•
<i>Calliurichthys grossi</i> (Ogilby, 1910)	H	NA	•	
<i>Dactylopus dactylopus</i> (Valenciennes, 1837)	S	IWP	•	
<i>Diplogrammus goramensis</i> (Bleeker, 1858)	H/S	IWP		•
<i>Diplogrammus xenicus</i> (Jordan & Thompson, 1914)	H/S	IA		•
<i>Neosynchiropus ocellatus</i> (Pallas, 1770)	H/S	IWP		•
<i>Paradiplogrammus enneactis</i> (Bleeker, 1879)	H	IWP	•	
<i>Pseudocalliurichthys delicatulus</i> (Smith, 1963)	H	IWP		•
<i>Repomucenus annulatus</i> (Weber, 1913)	H/S	IWP		•
<i>Repomucenus belcheri</i> (Richardson, 1844)	H/S	IWP		•
<i>Synchiropus splendidus</i> (Herre, 1927)	H/S	IWP		•
Family: Gobiidae				
<i>Acentrogobius caninus</i> (Valenciennes, 1837)	E	IWP	•	
<i>Acentrogobius gracilis</i> (Bleeker, 1875)	S/E/M	IWP	•	
<i>Acentrogobius madraspatensis</i> (Day, 1868)	S/E/M	IWP	•	
<i>Acentrogobius viridipunctatus</i> (Valenciennes, 1837)	E/M	IWP	•	
<i>Amblyeleotris fontanesii</i> (Bleeker, 1852)	H/S	IWP	•	
<i>Amblyeleotris guttata</i> (Fowler, 1938)	H/S	IWP		•
<i>Amblyeleotris gymnocephala</i> (Bleeker, 1853)	H/S	IWP	•	
<i>Amblyeleotris rubrimarginata</i> Mohlmann & Randall, 2002	H/S	IWP		•
<i>Amblyeleotris steinitzi</i> (Klausewitz, 1974)	H/S	IWP		•
<i>Amblyeleotris wheeleri</i> (Polunin & Lubbock, 1977)	H/S	IWP		•
<i>Amblygobius bynoensis</i> (Richardson, 1844)	H/S	IWP	•	
<i>Amblygobius decussatus</i> (Bleeker, 1855)	H	IWP	•	•
<i>Amblygobius nocturnus</i> (Herre, 1945)	H	IWP	•	•
<i>Amblygobius phalaena</i> (Valenciennes, 1837)	H/S	IWP	•	•
<i>Apocryptodon madurensis</i> (Bleeker, 1849)	S/E/M	IWP	•	
<i>Asterropteryx ensiferus</i> (Bleeker, 1874)	H/S	IWP		•
<i>Asterropteryx ovata</i> Shibukawa & Suzuki, 2007	H/S	IWP		•
<i>Asterropteryx semipunctatus</i> Rüppell, 1830	H/S	IWP		•
<i>Asterropteryx spinosus</i> (Goren, 1981)	H/S	IWP		•

Species	Habitat code	Biogeographic code	Inshore	Offshore
<i>Bathygobius coalitus</i> (Bennett, 1832)	H	IWP		•
<i>Bathygobius cocosensis</i> (Bleeker, 1854)	H	IWP	•	
<i>Bathygobius cyclopterus</i> (Valenciennes, 1837)	H	IWP		•
<i>Bathygobius fuscus</i> (Rüppell, 1830)	H	IWP	•	
<i>Bathygobius laddi</i> (Fowler, 1931)	H	IWP	•	
<i>Boleophthalmus caeruleomaculatus</i> McCulloch & Waite, 1918	S	A	•	
<i>Bryaninops amplus</i> Larson, 1985	H/EZ	IWP	•	•
<i>Bryaninops erythroptus</i> (Jordan & Seale, 1906)	H/EZ	IWP		•
<i>Bryaninops isis</i> Larson, 1985	H/EZ	IWP		•
<i>Bryaninops loki</i> Larson, 1985	H/EZ	IWP	•	•
<i>Bryaninops natans</i> Larson, 1985	H/EZ	IWP		•
<i>Bryaninops nexus</i> Larson, 1987	H/EZ	IWP		•
<i>Bryaninops ridens</i> Smith, 1959	H/EZ	IWP		•
<i>Bryaninops yongei</i> (Davis & Cohen, 1968)	H/EZ	IWP		•
<i>Cabillus lacertops</i> Smith, 1959	H	IWP		•
<i>Cabillus tongarevae</i> (Fowler, 1927)	H	IWP		•
<i>Callogobius maculipinnis</i> (Fowler, 1918)	H	IWP		•
<i>Callogobius sclateri</i> (Steindachner, 1880)	H	IWP	•	•
<i>Cryptocentroides insignis</i> (Seale, 1910)	E	IWP	•	
<i>Cryptocentrus caeruleomaculatus</i> (Herre, 1933)	H/S	IWP	•	•
<i>Cryptocentrus cinctus</i> (Herre, 1936)	H/S	IWP	•	•
<i>Cryptocentrus fasciatus</i> (Playfair, 1866)	H/S	IWP	•	•
<i>Cryptocentrus insignitus</i> (Whitley, 1956)	S	NA	•	
<i>Cryptocentrus leptocephalus</i> (Bleeker, 1876)	S/E/M	IWP	•	
<i>Cryptocentrus leucostictus</i> (Günther, 1872)	H/S	IWP		•
<i>Cryptocentrus strigilliceps</i> (Jordan & Seale, 1906)	H/S	IWP	•	•
<i>Cryptocentrus tentaculatus</i> Hoese & Larson, 2004	H/S	NA	•	
<i>Ctenogobiops aurocingulus</i> (Herre, 1935)	H/S	IWP		•
<i>Ctenogobiops feroculus</i> Lubbock & Polunin, 1977	H/S	IWP		•
<i>Ctenogobiops maculosus</i> (Fourmanoir, 1955)	H/S	IWP		•
<i>Ctenogobiops pomastictus</i> Lubbock & Polunin, 1977	H/S	IWP	•	•
<i>Ctenogobiops tangaroai</i> Lubbock & Polunin, 1977	H/S	IWP		•
<i>Discordipinna griessingeri</i> Hoese & Fourmanoir, 1978	H	IWP		•
<i>Drombus halei</i> Whitley, 1935	H	NA	•	
<i>Drombus triangularis</i> (Weber, 1909)	E/M	IWP	•	
<i>Echinogobius hayashii</i> Iwata, Hosoya & Niimura, 1998	H	IWP		•
<i>Eugnathogobius polylepis</i> (Wu & Ni, 1985)	E	IWP	•	
<i>Eviota afelei</i> Jordan & Seale, 1906	H	IWP		•
<i>Eviota albolineata</i> Jewett & Lachner, 1983	H	IWP		•
<i>Eviota cometa</i> Jewett & Lachner, 1983	H	IWP		•
<i>Eviota distigma</i> Jordan & Seale, 1906	H	IWP		•
<i>Eviota herrei</i> Jordan & Seale, 1906	H	IWP		•
<i>Eviota cf. indica</i> Lachner & Karnella, 1980	H	IO		•
<i>Eviota infulata</i> (Smith, 1957)	H	IWP		•
<i>Eviota inutilis</i> Whitley, 1943	H	WA	•	
<i>Eviota lachdebereri</i> Giltay, 1933	H	IWP		•
<i>Eviota latifasciata</i> Jewett & Lachner, 1983	H	IWP		•
<i>Eviota melasma</i> Lachner & Karnella, 1980	H	IWP		•
<i>Eviota nebulosa</i> Smith, 1958	H	IWP		•
<i>Eviota nigriventris</i> Giltay, 1933	H	IWP		•
<i>Eviota pellucida</i> Larson, 1976	H	IWP		•
<i>Eviota prasina</i> (Klunzinger, 1871)	H	IWP		•

Species	Habitat code	Biogeographic code	Inshore	Offshore
<i>Eviota prasites</i> Jordan & Seale, 1906	H	IWP		•
<i>Eviota punctulata</i> Jewett & Lachner, 1983	H	IWP		•
<i>Eviota queenslandica</i> Whitley, 1932	H	IWP	•	•
<i>Eviota sebreei</i> Jordan & Seale, 1906	H	IWP	•	•
<i>Eviota sigillata</i> Jewett & Lachner, 1983	H	IWP		•
<i>Eviota smaragdus</i> Jordan & Seale, 1906	H	IWP		•
<i>Eviota sparsa</i> Jewett & Lachner, 1983	H	IWP		•
<i>Eviota spilota</i> Lachner & Karnella, 1980	H	IWP		•
<i>Eviota storthynx</i> (Rofen, 1959)	H	IWP	•	•
<i>Eviota zebrina</i> (Lachner & Karnella, 1978)	H	IWP	•	•
<i>Eviota zonura</i> Jordan & Seale, 1906	H	IWP	•	•
<i>Exyrias belissimus</i> (Smith, 1959)	H/S	IWP	•	•
<i>Favonigobius melanobranchus</i> (Fowler, 1934)	S/E	IWP	•	
<i>Feia nympha</i> Smith, 1959	H/S	IWP		•
<i>Fusigobius duospilus</i> Hoese & Reader, 1985	H/S	IWP		•
<i>Fusigobius humeralis</i> (Randall, 2001)	H/S	IWP		•
<i>Fusigobius inframaculatus</i> (Randall, 1994)	H/S	IWP	•	•
<i>Fusigobius longispinus</i> Goren, 1978	H/S	IWP		•
<i>Fusigobius neophytus</i> (Günther, 1877)	H/S	IWP		•
<i>Fusigobius signipinnis</i> Hoese & Obika, 1988	H/S	IWP		•
<i>Glossogobius circumspectus</i> (Macleay, 1883)	S/E/M	IWP	•	
<i>Glossogobius giuris</i> (Hamilton, 1822)	S/E/FW	IWP	•	
<i>Gnatholepis anjerensis</i> (Bleeker, 1851)	H/S	IWP		•
<i>Gnatholepis argus</i> Larson & Buckle, 2005	H/S	NA	•	
<i>Gnatholepis cauerensis</i> (Bleeker, 1853)	H/S	IWP		•
<i>Gobiodon citrinus</i> (Rüppell, 1838)	H/EZ	IWP		•
<i>Gobiodon histrio</i> (Valenciennes, 1837)	H/EZ	IWP		•
<i>Gobiodon micropus</i> Günther, 1861	H/EZ	IWP		•
<i>Gobiodon okinawae</i> Sawada, Arai & Abe, 1972	H/EZ	IWP		•
<i>Gobiodon quinquestrigatus</i> (Valenciennes, 1837)	H/EZ	IWP	•	•
<i>Gobiodon rivulatus</i> (Rüppell, 1830)	H/EZ	IWP		•
<i>Gobiodon spilophthalmus</i> Fowler, 1944	H/EZ	IWP		•
<i>Gobiopsis angustifrons</i> Lachner & McKinney, 1978	H	IWP		•
<i>Gobiopsis aporia</i> Lachner & McKinney, 1978	H	IWP	•	
<i>Gobiopsis arenaria</i> (Snyder, 1908)	H	IA	•	
<i>Grallenia arenicola</i> Shibukawa & Iwata, 2007	S	IP	•	
<i>Istigobius decoratus</i> (Herre, 1927)	H/S	IWP	•	•
<i>Istigobius diadema</i> (Steindachner, 1876)	S	IWP	•	
<i>Istigobius goldmanni</i> (Bleeker, 1852)	H/S	IWP	•	•
<i>Istigobius nigroocellatus</i> (Günther, 1873)	H/S	IWP	•	
<i>Istigobius ornatus</i> (Rüppell, 1830)	S/E/M	IWP	•	•
<i>Istigobius rigilius</i> (Herre, 1953)	H/S	IWP		•
<i>Istigobius spence</i> (Smith, 1947)	H/S	IWP	•	
<i>Koumansetta rainfordi</i> (Whitley, 1940)	H	IWP		•
<i>Lotilia graciliosa</i> Klausewitz, 1960	H/S	IWP		•
<i>Luposicya lupus</i> Smith, 1959	H/S/EZ	IWP		•
<i>Macrodontogobius wilburi</i> Herre, 1936	H/S	IWP	•	•
<i>Minysicya caudimaculata</i> Larson, 2002	H	IWP		•
<i>Mugilogobius filifer</i> Larson, 2001	E/M/FW	IA	•	
<i>Mugilogobius littoralis</i> Larson, 2001	H/E/M	NA	•	
<i>Myersina macrostoma</i> Herre, 1934	S	IWP	•	
<i>Myersina nigrivirgata</i> Akihito & Meguro, 1983	H/S	IWP	•	

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<i>Oplopomops diacanthus</i> (Schultz, 1943)	H/S	IWP		•
<i>Oplopomus caninoides</i> (Bleeker, 1852)	S	IWP	•	
<i>Pandaka lidwilli</i> (McCulloch, 1917)	P/E/M	IWP	•	
<i>Paragobiodon echinocephalus</i> (Rüppell, 1830)	H/EZ	IWP	•	•
<i>Paragobiodon lacunicola</i> (Kendall & Goldsborough, 1911)	H/EZ	IWP		•
<i>Paragobiodon melanosoma</i> (Bleeker, 1852)	H/EZ	IWP		•
<i>Paragobiodon modestus</i> (Regan, 1908)	H/EZ	IWP		•
<i>Paragobiodon xanthosoma</i> (Bleeker, 1852)	H/EZ	IWP	•	•
<i>Periophthalmodon freycineti</i> (Valenciennes, 1824)	S/E/A	IWP	•	
<i>Periophthalmus argentilineatus</i> Valenciennes, 1837	S/E/A	IWP	•	
<i>Periophthalmus darwini</i> Larson & Takita, 2004	E/M/A	NA	•	
<i>Periophthalmus minutus</i> Eggert, 1935	S/E/A	IWP	•	
<i>Periophthalmus novaeguineensis</i> Eggert, 1935 ^v	S/E/A	IA	•	
<i>Phyllogobius platycephalops</i> (Smith, 1964)	H/EZ	IWP		•
<i>Pleurosicya coerulea</i> Larson, 1990	H/EZ	IWP	•	•
<i>Pleurosicya elongata</i> Larson, 1990	H/EZ	IWP	•	•
<i>Pleurosicya fringilla</i> Larson, 1990	H/EZ	IWP	•	•
<i>Pleurosicya labiata</i> (Weber, 1913)	H/EZ	IWP		•
<i>Pleurosicya micheli</i> Fourmanoir, 1971	H/EZ	IWP		•
<i>Pleurosicya mossambica</i> Smith, 1959	H/EZ	IWP		•
<i>Pleurosicya muscarum</i> (Jordan & Seale, 1906)	H/EZ	IWP		•
<i>Pleurosicya plicata</i> Larson, 1990	H/EZ	IWP		•
<i>Pleurosicya prognatha</i> Goren, 1984	H/EZ	IO		•
<i>Priolepis cincta</i> (Regan, 1908)	H	IWP		•
<i>Priolepis compita</i> Winterbottom, 1985	H	IWP	•	
<i>Priolepis nuchifasciata</i> (Günther, 1873)	H	IWP	•	•
<i>Priolepis semidoliata</i> (Valenciennes, 1837)	H	IWP	•	•
<i>Pseudogobius poicilosoma</i> (Bleeker, 1849)	S/E	IWP	•	
<i>Scartelaos histophorus</i> (Valenciennes, 1837)	S/E/M	IWP	•	
<i>Signigobius biocellatus</i> Hoese & Allen, 1977	H/S	IWP		•
<i>Stonogobiops larsonae</i> (Allen, 1999)	H/S	WA	•	
<i>Sueviota atrinasa</i> Winterbottom & Hoese, 1988	H	WA	•	•
<i>Sueviota lachneri</i> Winterbottom & Hoese, 1988	H	IWP		•
<i>Taenioides mordax</i> (De Vis, 1883)	S/E	NA	•	
<i>Trimma agrena</i> Winterbottom & Chen, 2004	H	IWP	•	
<i>Trimma caesiura</i> Jordan & Seale, 1906	H/P	IWP		•
<i>Trimma emeryi</i> Winterbottom, 1985	H/P	IWP		•
<i>Trimma flavatrum</i> Hagiwara & Winterbottom, 2007	H	IWP		•
<i>Trimma lantana</i> Winterbottom & Villa, 2003	H	IWP		•
<i>Trimma macrophthalmum</i> (Tomiyama, 1936)	H	IWP		•
<i>Trimma milta</i> Winterbottom, 2002	H	IWP		•
<i>Trimma</i> cf. <i>naudei</i> Smith, 1957	H	U		•
<i>Trimma okinawae</i> (Aoyagi, 1949)	H	IWP	•	•
<i>Trimma</i> cf. <i>sheppardi</i> Winterbottom, 1984	H	U		•
<i>Trimma stobbsi</i> Winterbottom, 2001	H	IWP		•
<i>Trimma striatum</i> (Herre, 1945)	H/P	IWP		•
<i>Trimma taylori</i> Lobel, 1979	H/P	IWP		•
<i>Trimma tevegae</i> Cohen & Davis, 1969	H/P	IWP		•
<i>Trimmatom eviotops</i> (Schultz, 1943)	H	IWP		•
<i>Trimmatom macropodus</i> Winterbottom, 1989	H	IWP		•
<i>Trimmatom nanus</i> Winterbottom & Emery, 1981	H	IWP		•
<i>Trimmatom zapotes</i> Winterbottom, 1989	H	IWP		•

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<i>Valenciennea alleni</i> Hoese & Larson, 1994	H/S/P	NA	•	
<i>Valenciennea longipinnis</i> (Lay & Bennett, 1839)	H/S/P	IWP	•	•
<i>Valenciennea muralis</i> (Valenciennes, 1837)	H/S/P	IWP	•	
<i>Valenciennea parva</i> Hoese & Larson, 1994	H/S/P	IWP		•
<i>Valenciennea puellaris</i> (Tomiyama, 1956)	H/S/P	IWP		•
<i>Valenciennea sexguttata</i> (Valenciennes, 1837)	H/S/P	IWP		•
<i>Valenciennea strigata</i> (Broussonet, 1782)	H/S/P	IWP		•
<i>Vanderhorstia ambanoro</i> (Fourmanoir, 1957)	H/S	IWP		•
<i>Vanderhorstia ornatissima</i> Smith, 1959	H/S	IWP		•
<i>Yongeichthys nebulosus</i> (Forsskål, 1775)	S/E/M	IWP	•	
Family: Eleotridae				
<i>Butis butis</i> (Hamilton, 1822)	S/E/M	IWP	•	
<i>Calumia godeffroyi</i> (Günther, 1877)	H	IWP		•
<i>Calumia profunda</i> Larson & Hoese, 1980	H	IWP		•
<i>Hypseleotris compressa</i> (Kreffft, 1864)	P/E/FW	IA	•	
<i>Ophiocara porocephala</i> (Valenciennes, 1837)	E/FW	IWP	•	
<i>Prionobutis microps</i> (Weber, 1907)	S/E/M	NA	•	
Family: Xenisthmidae				
<i>Xenisthmus chi</i> Gill & Hoese, 2004	H	WA		•
<i>Xenisthmus clarus</i> (Jordan & Seale, 1906)	H/S	IWP		•
<i>Xenisthmus polyzonatus</i> (Klunzinger, 1871)	H/S	IWP		•
<i>Xenisthmus semicinctus</i> Gill & Hoese, 2004	H	WA		•
Family: Kraemeriidae				
<i>Kraemia merensis</i> Whitley, 1935	S/E	NA		•
Family: Microdesmidae				
<i>Aioliops novaeguineensis</i> Rennis & Hoese, 1987	H/P	IA		•
<i>Aioliops tetrophthalmus</i> Rennis & Hoese, 1987	H/P	NA		•
<i>Gunnellichthys copleyi</i> (Smith, 1951)	H/P	IWP		•
<i>Gunnellichthys monostigma</i> Smith, 1958	H/P	IWP		•
<i>Gunnellichthys pleurotaenia</i> Bleeker, 1858	H/P	IWP		•
<i>Nemateleotris magnifica</i> Fowler, 1938	H/P	IWP		•
<i>Parioglossus nudus</i> Rennis & Hoese, 1985	H/E/P	IWP	•	
<i>Parioglossus palustris</i> (Herre, 1945)	P/E	IWP	•	
<i>Parioglossus philippinus</i> (Herre, 1945)	H/P/E	IWP	•	
<i>Ptereleotris evides</i> (Jordan & Hubbs, 1925)	H/P	IWP		•
<i>Ptereleotris hanae</i> (Jordan & Snyder, 1901)	H/S/P	IWP	•	
<i>Ptereleotris heteroptera</i> (Bleeker, 1855)	H/P	IWP		•
<i>Ptereleotris microlepis</i> (Bleeker, 1856)	H/P	IWP	•	•
<i>Ptereleotris zebra</i> (Fowler, 1938)	H/P	IWP		•
Family: Kurtidae				
<i>Kurtus gulliveri</i> Castelnau, 1878	E/FW	IA	•	
Family: Acanthuridae				
<i>Acanthurus bariene</i> Lesson, 1831	H	IWP		•
<i>Acanthurus blochii</i> Valenciennes, 1835	H	IWP		•
<i>Acanthurus dussumieri</i> Valenciennes, 1835	H	IWP	•	•
<i>Acanthurus grammoptilus</i> Richardson, 1843	H	IWP	•	•
<i>Acanthurus lineatus</i> (Linnaeus, 1758)	H	IWP		•
<i>Acanthurus mata</i> Cuvier, 1829	H	IWP		•
<i>Acanthurus nigricans</i> (Linnaeus, 1758)	H	IWP	•	•

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<i>Acanthurus nigricauda</i> Duncker & Mohr, 1929	H	IWP		•
<i>Acanthurus nigrofuscus</i> (Forsskål, 1775)	H	IWP		•
<i>Acanthurus olivaceus</i> Bloch & Schneider, 1801	H	IWP	•	•
<i>Acanthurus pyroferus</i> Kittlitz, 1834	H	IWP		•
<i>Acanthurus thompsoni</i> (Fowler, 1923)	H	IWP		•
<i>Acanthurus triostegus</i> (Linnaeus, 1758)	H	IWP	•	•
<i>Acanthurus xanthopterus</i> Valenciennes, 1835	H	IWP		•
<i>Ctenochaetus binotatus</i> Randall, 1955	H	IWP		•
<i>Ctenochaetus cyanocheilus</i> Randall & Clements, 2001	H	IWP		•
<i>Ctenochaetus striatus</i> (Quoy & Gaimard, 1825)	H	IWP	•	•
<i>Naso annulatus</i> (Quoy & Gaimard, 1825)	H	IWP		•
<i>Naso brachycentron</i> (Valenciennes, 1835)	H	IWP		•
<i>Naso brevirostris</i> (Cuvier, 1829)	H	IWP		•
<i>Naso caesioides</i> Randall & Bell, 1992	H	IWP		•
<i>Naso hexacanthus</i> (Bleeker, 1855)	H	IWP		•
<i>Naso lituratus</i> (Forster, 1801)	H	IWP	•	•
<i>Naso maculatus</i> Randall & Struhsaker, 1981	H	IWP		•
<i>Naso thynnoides</i> (Valenciennes, 1835)	H	IWP		•
<i>Naso tonganus</i> Lacépède, 1801 ^w	H	IWP		•
<i>Naso unicornis</i> (Forsskål, 1775)	H	IWP	•	•
<i>Naso vlamingii</i> (Valenciennes, 1835)	H	IWP		•
<i>Zebrasoma scopas</i> (Cuvier, 1829)	H	IWP	•	•
<i>Zebrasoma veliferum</i> (Bloch, 1795)	H	IWP		•
Family: Zanclidae				
<i>Zanclus cornutus</i> (Linnaeus, 1758)	H	IWP	•	•
Family: Siganidae				
<i>Siganus argenteus</i> (Quoy & Gaimard, 1825)	H	IWP		•
<i>Siganus corallinus</i> (Valenciennes, 1835)	H	IWP		•
<i>Siganus doliatus</i> Cuvier, 1834	H	IWP	•	•
<i>Siganus fuscescens</i> (Houttuyn, 1782) ^x	H	IWP	•	
<i>Siganus lineatus</i> (Valenciennes, 1835)	H	IWP	•	•
<i>Siganus puellus</i> (Schlegel, 1852)	H	IWP		•
<i>Siganus punctatissimus</i> Fowler & Bean, 1929	H	IA		•
<i>Siganus punctatus</i> (Schneider & Forster, 1801)	H	IWP	•	•
<i>Siganus virgatus</i> (Valenciennes, 1835)	H/S	IWP		•
<i>Siganus vulpinus</i> (Schlegel & Müller, 1845)	H	IWP	•	•
Family: Trichiuridae				
<i>Lepturacanthus savala</i> (Cuvier, 1829)	H/S/P	IWP	•	
<i>Trichiurus lepturus</i> Linnaeus, 1758	H/S/P	C	•	
Family: Scombridae				
<i>Acanthocybium solandri</i> (Cuvier, 1832)	P	C	•	•
<i>Euthynnus affinis</i> (Cantor, 1850)	P	IWP		•
<i>Grammatorcynus bicarinatus</i> (Quoy & Gaimard, 1825)	H	A		•
<i>Grammatorcynus bilineatus</i> (Rüppell, 1836)	H/P	IWP		•
<i>Gymnosarda unicolor</i> (Rüppell, 1836)	H/P	IWP		•
<i>Rastrelliger kanagurta</i> (Cuvier, 1816)	P	IWP	•	
<i>Scomberomorus commerson</i> (Lacépède, 1800)	P	IWP	•	•
<i>Scomberomorus queenslandicus</i> Munro, 1943	P	IA	•	
<i>Scomberomorus semifasciatus</i> (Macleay, 1883)	P	IA	•	
<i>Thunnus albacares</i> (Bonaterre, 1788)	P	C	•	•

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Family: Istiophoridae				
<i>Istiophorus platypterus</i> (Shaw & Nodder, 1792)	P	C	•	•
<i>Makaira nigricans</i> Lacépède, 1802 ^y	P	C		•
Family: Nomeidae				
<i>Psenes arafurensis</i> Günther, 1889	P	C		•
<i>Psenes cyanophrys</i> Valenciennes, 1833	P	C		•
Family: Citharidae				
<i>Brachypleura novaezeelandiae</i> Günther, 1862	S	IWP	•	
Family: Bothidae				
<i>Asterorhombus cocosensis</i> (Bleeker, 1855)	H/S	IWP		•
<i>Bothus mancus</i> (Broussonet, 1782)	H/S	IWP		•
<i>Bothus pantherinus</i> (Rüppell, 1830)	H/S	IWP		•
Family: Paralichthyidae				
<i>Pseudorhombus arsius</i> (Hamilton, 1822)	S/E	IWP	•	
<i>Pseudorhombus jenymsii</i> (Bleeker, 1855)	S/E	A	•	
Family: Pleuronectidae				
<i>Psammodiscus ocellatus</i> Günther, 1862	S	IA	•	
Family: Samaridae				
<i>Samariscus triocellatus</i> Woods, 1966	H/S	IWP		•
Family: Soleidae				
<i>Aseraggodes melanostictus</i> (Peters, 1877) ^z	S/E	IA	•	
<i>Aseraggodes whitleyi</i> (Chabanaud, 1950)	S	NA		•
<i>Brachirus aspilos</i> (Bleeker, 1852)	S	IWP		•
<i>Dagetichthys marginata</i> (Boulenger, 1900)	S	IWP		•
<i>Dexillus muelleri</i> (Steindachner, 1879)	S/E	IWP	•	
<i>Pardachirus pavoninus</i> (Lacépède, 1802)	H/S	IWP	•	•
<i>Pardachirus rautheri</i> (Chabanaud, 1931)	S/E	IA	•	
<i>Phyllichthys punctatus</i> McCulloch, 1916	S	WA	•	
<i>Rendahlia jaubertensis</i> (Rendahl, 1921)	S	IA	•	
<i>Soleichthys heterorhinos</i> (Bleeker, 1856)	H/S	IWP	•	•
<i>Zebrias munroi</i> (Whitley, 1966)	S	NA	•	
Family: Cynoglossidae				
<i>Cynoglossus bilineatus</i> (Lacépède, 1802)	S	IWP	•	
<i>Cynoglossus maccullochi</i> Norman, 1926	S	A	•	
<i>Cynoglossus maculipinnis</i> Rendahl, 1921	S	A	•	
<i>Paraplagusia bilineata</i> (Bloch, 1787)	S	IWP	•	
<i>Paraplagusia longirostris</i> Chapleau, Renaud & Kailola, 1991	S	IA	•	
<i>Paraplagusia sinerama</i> Chaplau & Renaud, 1993	S	IA	•	
Family: Triacanthidae				
<i>Triacanthus biaculeatus</i> (Bloch, 1786)	S	IWP	•	
<i>Triacanthus nieuhofi</i> Bleeker, 1852	S	IWP	•	
<i>Tripodichthys blochii</i> (Bleeker, 1852)	S	IWP	•	
Family: Balistidae				
<i>Abalistes stellatus</i> (Anonymous, 1798)	H/S	IWP	•	
<i>Balistapus undulatus</i> (Park, 1797)	H	IWP	•	•
<i>Balistoides conspicillum</i> (Bloch & Schneider, 1801)	H	IWP		•
<i>Balistoides viridescens</i> (Bloch & Schneider, 1801)	H	IWP	•	•

Species	Habitat code	Biogeographic code	Inshore	Offshore
<i>Melichthys niger</i> (Bloch, 1786)	H	C		•
<i>Melichthys vidua</i> (Richardson, 1845)	H	IWP		•
<i>Odonus niger</i> (Rüppell, 1837)	H	IWP		•
<i>Pseudobalistes flavimarginatus</i> (Rüppell, 1829)	H	IWP		•
<i>Pseudobalistes fuscus</i> (Bloch & Schneider, 1801)	H	IWP		•
<i>Rhinecanthus aculeatus</i> (Linnaeus, 1758)	H	IWP		•
<i>Rhinecanthus rectangulus</i> (Bloch & Schneider, 1801)	H	IWP		•
<i>Rhinecanthus verrucosus</i> (Linnaeus, 1758)	H	IWP		•
<i>Sufflamen bursa</i> (Bloch & Schneider, 1801)	H	IWP		•
<i>Sufflamen chrysopterum</i> (Bloch & Schneider, 1801)	H	IWP		•
<i>Sufflamen fraenatum</i> (Latreille, 1804)	H	IWP		•
Family: Monacanthidae				
<i>Acreichthys radiatus</i> (Popta, 1901)	H	IWP		•
<i>Aluterus scriptus</i> (Osbeck, 1765)	H	C		•
<i>Amanses scopas</i> (Cuvier, 1829)	H/S	IWP		•
<i>Cantherhines dumerilii</i> (Hollard, 1854)	H	IP		•
<i>Cantherhines pardalis</i> (Rüppell, 1837)	H	IWP		•
<i>Chaetodermis penicilligera</i> (Cuvier, 1816)	S	IWP	•	
<i>Colurodontis paxmani</i> Hutchins, 1977	SG	NA	•	
<i>Monacanthus chinensis</i> (Osbeck, 1765)	H/S/SG/E	IWP	•	
<i>Oxymonacanthus longirostris</i> (Bloch & Schneider, 1801)	H	IWP	•	•
<i>Paraluteres prionurus</i> (Bleeker, 1851)	H	IWP		•
<i>Paramonacanthus choirocephalus</i> (Bleeker, 1852)	S	IA	•	
<i>Paramonacanthus filicauda</i> (Günther, 1880)	S	IA	•	
<i>Paramonacanthus pusillus</i> (Rüppell, 1829)	S	IWP	•	
<i>Pervagor janthinosoma</i> (Bleeker, 1854)	H	IWP		•
<i>Pervagor melanocephalus</i> (Bleeker, 1853)	H	IWP		•
<i>Pervagor nigrolineatus</i> (Herre, 1927)	H	IWP		•
<i>Pseudalutarius nasicornis</i> (Temminck & Schlegel, 1850)	S/E/SG	IWP		•
Family: Ostraciidae				
<i>Lactoria cornuta</i> (Linnaeus, 1758)	H/S	IWP	•	
<i>Lactoria diaphana</i> (Bloch & Schneider, 1801)	H/S/E	IWP	•	
<i>Ostracion cubicus</i> Linnaeus, 1758	H	IWP	•	•
<i>Ostracion meleagris</i> Shaw, 1796	H	IWP		•
<i>Ostracion solorensis</i> Bleeker, 1853	H	IWP		•
<i>Rhynchostracion rhinorhynchos</i> (Bleeker, 1852)	H/S	IWP	•	
<i>Rhynchostracion nasus</i> (Bloch, 1785)	H	IWP	•	
Family: Tetraodontidae				
<i>Arothron hispidus</i> (Linnaeus, 1758)	H/E	IWP	•	•
<i>Arothron immaculatus</i> Bloch & Schneider, 1801)	S	IWP		•
<i>Arothron manilensis</i> (Procé, 1822)	S/E	IWP	•	•
<i>Arothron mappa</i> (Lesson, 1831)	H	IWP		•
<i>Arothron meleagris</i> (Anonymus, 1798)	H	IP		•
<i>Arothron nigropunctatus</i> (Bloch & Schneider, 1801)	H	IWP	•	•
<i>Arothron reticularis</i> (Bloch & Schneider, 1801)	S/E/M	IWP	•	
<i>Arothron stellatus</i> (Bloch & Schneider, 1801)	H	IWP	•	•
<i>Canthigaster bennetti</i> (Bleeker, 1854)	H/S	IWP		•
<i>Canthigaster janthinoptera</i> (Bleeker, 1855)	H	IWP		•
<i>Canthigaster papua</i> (Bleeker, 1848)	H	IWP		•
<i>Canthigaster valentini</i> (Bleeker, 1853)	H	IWP		•

Species	Habitat code	Biogeographic code	Inshore	Offshore
<i>Chelonodon patoca</i> (Hamilton, 1822)	S/E	IWP	•	
<i>Feroxodon multistriatus</i> (Richardson, 1854)	S	NA	•	
<i>Lagocephalus lunaris</i> (Bloch & Schneider, 1801)	S/P	IWP	•	
<i>Marilyna darwinii</i> (Castelnau, 1873)	H/S	IA	•	
<i>Marilyna meraukensis</i> (De Beaufort, 1955)	S/E/M	IA	•	
Family: Diodontidae				
<i>Cylichthys orbicularis</i> (Bloch, 1785)	S/P	IWP	•	
<i>Diodon hystrix</i> Linnaeus, 1758	H	C	•	•
<i>Diodon liturosus</i> Shaw, 1804	H	IWP	•	•
<i>Tragulichthys jaculiferus</i> (Cuvier, 1818)	S	A	•	

- ^a Historically reported as *Carcharinus sealei* (see White 2012).
- ^b Historically reported as *Albula forsteri* (see ABRS 2014).
- ^c Historically reported as *Liocranium praepositus* (Motomura et al. 2008).
- ^d Probably only *Paracentropogon vespa* in Australia (J. Johnson personal communication) but both species retained here based on ABRS (2014).
- ^e Includes records attributed to *Pelates octolineatus* (see ABRS 2014).
- ^f Historically reported as *Apogon nigripinnis* (see Fraser and Allen 2010).
- ^g Historically reported as *Foa brachygrammus* (see Fraser and Randall 2011).
- ^h May be junior synonym of *Gymnapogon vanderbilti* or a cryptic species complex (see Mabuchi et al. 2014).
- ⁱ Possibly misidentified *Pseudamia gelatinosa*.
- ^j Historically reported as *Siphamia versicolor* (see Gon and Allen 2012).
- ^k Includes records attributed to *Taeniamia biguttata* (see Fraser 2013).
- ^l Historically reported as *Sillago maculata* (see ABRS 2014).
- ^m Often misidentified and reported as *Leiognathus decorus*.
- ⁿ Includes records attributed to *Secutor interruptus* (see ABRS 2014).
- ^o Sometimes misidentified and reported as *Kyphosus gibsoni* (see ABRS 2014).
- ^p Some doubt over this old record.
- ^q Historically reported as *Cetoscarus bicolor*.
- ^r Possible misidentification.
- ^s Historically reported as *Atrosalarias holomelas* (see ABRS 2014).
- ^t historically reported as *Enneapterygius minutus* (see ABRS 2014).
- ^u Sometimes misidentified and reported as *Bathycallionymus moretonensis*.
- ^v Likely includes *Periophthalmus murdyi* and *Periophthalmus takita* (see Jaafar and Larson 2008).
- ^w Possibly includes misidentified *Naso tuberosus*.
- ^x Includes records attributed to *Siganus canaliculatus* (see ABRS 2014).
- ^y Historically reported as *Maikara mazara* (see Collette et al. 2006).
- ^z Possibly part of *Aseraggodes 'klunzingeri'* species complex (= *Leptachirus* spp.; see Randall 2007).

APPENDIX 2 Species of fishes excluded from the Kimberley Project Area dataset based on dubious identifications.

Species	Comment
INSHORE RECORDS	
<i>Carcharhinus brachyurus</i> (Günther, 1870)	Well outside known range, probably incorrect ID.
<i>Gymnothorax woodwardi</i> McCulloch, 1912	Well outside known range, probably incorrect ID.
<i>Ambassis agassizii</i> Steindachner, 1867	Well outside known range, probably incorrect ID.
<i>Vincentia punctata</i> (Klunzinger, 1880)	Well outside known range, probably incorrect ID.
<i>Chelmon rostratus</i> (Linnaeus, 1758)	Probably <i>C. marginalis</i>
<i>Amphiprion percula</i> (Lacépède, 1802)	Probably <i>A. ocellaris</i>
<i>Parablennius postoculomaculatus</i> Bath & Hutchins, 1986	Well outside known range, probably incorrect ID.
<i>Eviota bimaculata</i> Lachner & Karnella, 1980	Well outside known range, probably incorrect ID.
<i>Psammogobius biocellatus</i> (Valenciennes, 1837)	Well outside known range, probably incorrect ID.
<i>Giuris margaritacea</i> (Valenciennes, 1837)	Well outside known range, probably incorrect ID.
<i>Marilyna pleurosticta</i> (Günther, 1872)	Well outside known range, probably incorrect ID.
OFFSHORE RECORDS	
<i>Moringua bicolor</i> Kaup, 1856	Well outside known range, probably incorrect ID.
<i>Gymnothorax moluccensis</i> (Bleeker, 1864)	Well outside known range, probably incorrect ID.
<i>Gymnothorax richardsonii</i> (Bleeker, 1852)	Well outside known range, probably incorrect ID.
<i>Uropterygius macrocephalus</i> (Bleeker, 1864)	Well outside known range, probably incorrect ID.
<i>Malvoliophis pinguis</i> (Günther, 1872)	Well outside known range, probably incorrect ID.
<i>Antennarius randalli</i> Allen, 1970	Well outside known range, probably incorrect ID.
<i>Pseudoplesiops annae</i> (Weber, 1913)	Well outside known range, probably incorrect ID.
<i>Amblypomacentrus breviceps</i> (Schlegel & Müller, 1839)	Well outside known range, probably incorrect ID.
<i>Amphiprion percula</i> (Lacépède, 1802)	Probably <i>A. ocellaris</i>
<i>Chrysiptera flavipinnis</i> (Allen & Robertson, 1974)	Well outside known range, probably incorrect ID.
<i>Neopomacentrus bankieri</i> (Richardson, 1846)	Well outside known range, probably incorrect ID.
<i>Neopomacentrus violascens</i> (Bleeker, 1848)	Well outside known range, probably incorrect ID.
<i>Pomacentrus auriventris</i> Allen, 1991	Well outside known range, probably incorrect ID.
<i>Pomacentrus brachialis</i> Cuvier, 1830	Well outside known range, probably incorrect ID.
<i>Halichoeres argus</i> (Bloch & Schneider, 1801)	Well outside known range, probably incorrect ID.
<i>Halichoeres miniatus</i> (Valenciennes, 1839)	Probably <i>H. margaritaceus</i> or <i>H. nebulosus</i>
<i>Labropsis australis</i> Randall, 1981	Well outside known range, probably incorrect ID.
<i>Novaculoides macrolepidotus</i> (Bloch, 1791)	Well outside known range, probably incorrect ID.
<i>Oxycheilinus orientalis</i> (Günther, 1862)	Well outside known range, probably incorrect ID.
<i>Hipposcarus harid</i> (Forsskål, 1775)	Well outside known range, probably incorrect ID.
<i>Scarus altipinnis</i> (Steindachner, 1879)	Well outside known range, probably incorrect ID.
<i>Rhabdoblennius ellipes</i> cf.	Well outside known range, probably incorrect ID.
<i>Amblyeleotris fasciata</i> (Herre, 1953)	Well outside known range, probably incorrect ID.
<i>Arcygobius baliurus</i> (Valenciennes, 1837)	Well outside known range, probably incorrect ID.
<i>Eviota bifasciata</i> Lachner & Karnella, 1980	Well outside known range, probably incorrect ID.
<i>Fusigobius gracilis</i> (Randall, 2001)	Well outside known range, probably incorrect ID.
<i>Silhouettea evanida</i> Larson & Miller, 1986	Well outside known range, probably incorrect ID.
<i>Gunnellichthys irideus</i> Smith, 1958	Well outside known range, probably incorrect ID.
<i>Zebrasoma rostratum</i> (Günther, 1875)	Well outside known range, probably incorrect ID.
<i>Canthidermis maculatus</i> (Bloch, 1786)	Well outside known range, probably incorrect ID.
<i>Cantherhines fronticinctus</i> (Günther, 1866)	Well outside known range, probably incorrect ID.