

# 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many of the important baseline biodiversity data for the region are stored in museum databases and/or presented in unpublished 'grey' literature.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).

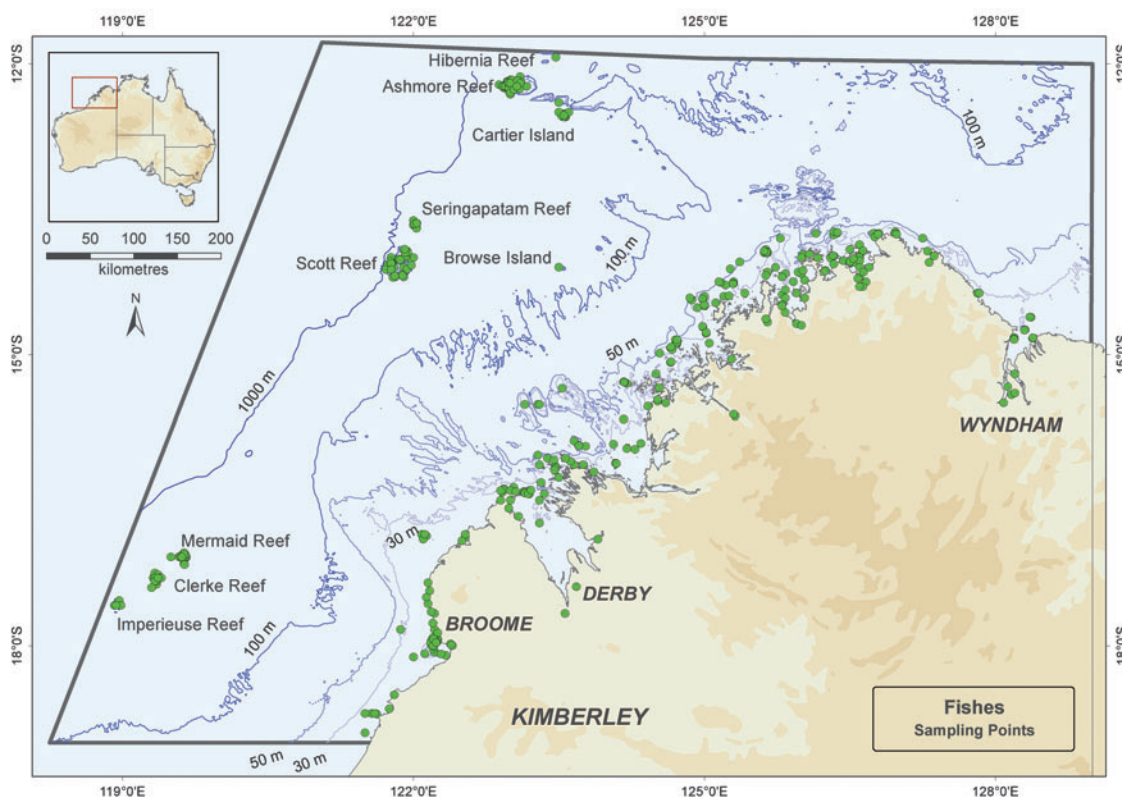
Where possible, each species was coded for its known biogeographic range and habitat preferences based on Allen (2009), ABRS (2014) or Eschmeyer (2014). The categories used to code the distribution and preferred habitats of each species are listed in Table 1. A species may exploit several habitats, so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

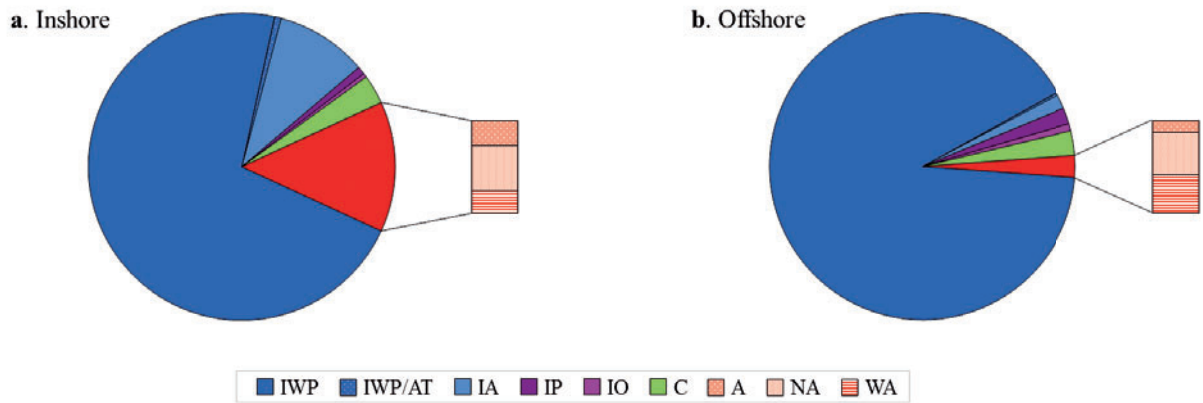
Code	Definition
<b>BIOGEOGRAPHIC</b>	
A	<i>Australian endemic</i> . Found in tropical and temperate Australian waters.
C	<i>Circumglobal</i> . Found in all oceans in either tropical or tropical/temperate waters.
IA	<i>Indo-Australian</i> . Found in Australian and Indonesian waters, may extend to the 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.
<b>HABITAT</b>	
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.

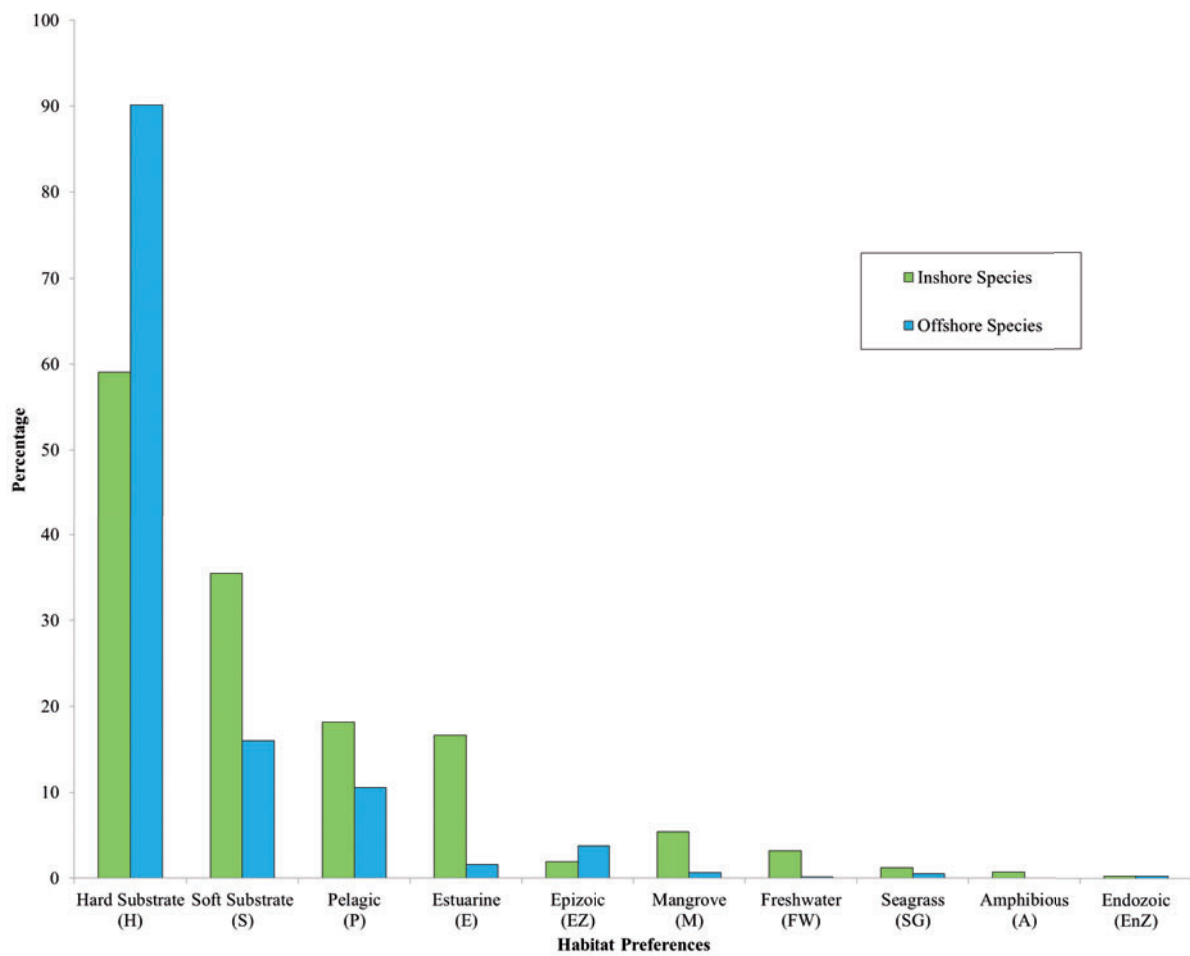
Location	Collecting Years	No. Coll. Events	No. Species	No. Families
<b>INSHORE SITES</b>				
Adele Island	1952–1986	4	15	10
Admiral Island	1994	1	30	17
Admiralty Gulf	1968–1989	4	23	17
Albert Islands	1996	1	1	1
Beagle Bay	1997	1	144	53
Beagle Reef	1991	1	88	32
Bedford Island	1911–1994	3	42	23
Berthier 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
Yankawingarri Island	1991	1	78	26
York Sound	1975	1	3	3
<b>OFFSHORE SITES</b>				
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
<b>TOTAL</b>	<b>714</b>	<b>1061</b>

**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).

## ACKNOWLEDGEMENTS

We are grateful to our colleagues Barry Russell, Helen Larson and Doug Hoese whose data contributed substantially to this study. We thank Mark McGrouther, Amanda Hay and Doug Hoese (AMS), Gavin Dally and Barry Russell (MAGNT)

for resolving questionable species records in their institution's databases. We also thank Stacey Osborne and Albert Miles (WAM) for inspecting taxonomic and spatial information and data formatting. We thank Woodside Energy Ltd for their generous and ongoing support of WAM research.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

<sup>a</sup> Historically reported as *Carcharinus sealei* (see White 2012).

<sup>b</sup> Historically reported as *Albula forsteri* (see ABRS 2014).

<sup>c</sup> Historically reported as *Liocranium praepositus* (Motomura et al. 2008).

<sup>d</sup> Probably only *Paracentropogon vespa* in Australia (J. Johnson personal communication) but both species retained here based on ABRS (2014).

<sup>e</sup> Includes records attributed to *Pelates octolineatus* (see ABRS 2014).

<sup>f</sup> Historically reported as *Apogon nigripinnis* (see Fraser and Allen 2010).

<sup>g</sup> Historically reported as *Foa brachygrammus* (see Fraser and Randall 2011).

<sup>h</sup> May be junior synonym of *Gymnapogon vanderbilii* or a cryptic species complex (see Mabuchi et al. 2014).

<sup>i</sup> Possibly misidentified *Pseudamia gelatinosa*.

<sup>j</sup> Historically reported as *Siphamia versicolor* (see Gon and Allen 2012).

<sup>k</sup> Includes records attributed to *Taeniamia biguttata* (see Fraser 2013).

<sup>l</sup> Historically reported as *Sillago maculata* (see ABRS 2014).

<sup>m</sup> Often misidentified and reported as *Leiognathus decorus*.

<sup>n</sup> Includes records attributed to *Secutor interruptus* (see ABRS 2014).

<sup>o</sup> Sometimes misidentified and reported as *Kyphosus gibsoni* (see ABRS 2014).

<sup>p</sup> Some doubt over this old record.

<sup>q</sup> Historically reported as *Cetoscarus bicolor*.

<sup>r</sup> Possible misidentification.

<sup>s</sup> Historically reported as *Atrosalarias holomelas* (see ABRS 2014).

<sup>t</sup> historically reported as *Enneapterygius minutus* (see ABRS 2014).

<sup>u</sup> Sometimes misidentified and reported as *Bathycallionymus moretonensis*.

<sup>v</sup> Likely includes *Periophthalmus murdyi* and *Periophthalmus takita* (see Jaafar and Larson 2008).

<sup>w</sup> Possibly includes misidentified *Naso tuberosus*.

<sup>x</sup> Includes records attributed to *Siganus canaliculatus* (see ABRS 2014).

<sup>y</sup> Historically reported as *Maikara mazara* (see Collette et al. 2006).

<sup>z</sup> 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
<b>INSHORE RECORDS</b>	
<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.
<b>OFFSHORE RECORDS</b>	
<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.