

# Kimberley marine biota. Historical data: crustaceans

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**ABSTRACT** – Using biological collections and relevant literature, an extensive data compilation of the marine crustaceans known from the Kimberley Project Area waters has been assembled. This will contribute to the ecological and environmental understanding of the region. Crustacean records held by Australian museums were surveyed for specimens collected in depths of <30 m from the Kimberley coast and adjacent offshore atolls of Western Australia. A total of 5,399 specimen lots were collated, but 28% of records were excluded owing to incomplete identification, leaving 882 species in the final dataset. Decapods represent 85.5% of all crustacean species presently known from the Kimberley Project Area. Most species (64.6%) were wide ranging Indo-West Pacific, with few Australian endemics (13.3%). However, endemism rates were higher in the inshore (17.3%) than in offshore waters (4.7%). Knowledge gaps regarding the crustacean diversity of the region are discussed and shown to be mainly due to collecting bias and variation in effort.

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

## INTRODUCTION

The importance of utilising natural science collection datasets to provide baseline biodiversity information to inform conservation and environmental management decisions is increasingly being recognised (Pyke and Ehrlich 2010). The Kimberley region and adjacent areas of Australia are currently of immense interest due to the great conservation value of proposed marine parks. Cultural heritage values are also of high importance, especially because of oil and gas reserves, fishing and aquaculture activities, tourism and other proposed developments (Masini et al. 2009). Consequently, baseline data to ‘characterise the assets and values’ in the region are needed (Wood and Mills 2008).

Previously, the Western Australian Museum (WAM) and other Australian natural science institutions have undertaken various marine biodiversity surveys to document marine species present in coastal Kimberley waters and offshore atolls. However, much of these data are either unpublished or published in specialist taxonomic literature and thus unavailable or not readily accessible to managers and researchers in the region. To address this, WAM instigated an

extensive data compilation of the marine species from an area henceforth titled the Kimberley Project Area (Project Area). Each major taxon is dealt with in this series of papers. Herein, we document current knowledge regarding the crustacean diversity of the Project Area.

## CRUSTACEA

The subphylum Crustacea comprises a highly diverse group of approximately 67,000 species worldwide (Martin and Davis 2001; Ahyong et al. 2011). They are prominent members of all aquatic and most terrestrial habitats, and thus fill very important ecological roles, e.g. by forming a large proportion of the zooplankton, as scavengers, benthic and pelagic predators and as parasites. Crustaceans are most diverse on tropical reefs where the opportunities for niche specialisation are highest and many species form symbiotic relationships with large benthic invertebrates such as corals, echinoderms, ascidians, sponges and molluscs. Many crustacean species form important components of the diets of people around the world, with approximately 11 million tonnes caught or cultured in 2009 (Tacon et al. 2011). The vast majority of commercially important crustaceans

are decapods, which include the lobsters, crabs, shrimps and prawns. In Australia, the largest single species fishery is the Western Rock Lobster, *Panulirus cygnus* George, 1962. In the Project Area, only small commercial fisheries for mud crabs (*Scylla serrata* (Forskål, 1775) and *S. olivacea* De Haan, 1833) and prawns (various species of *Fenneropenaeus*, *Melicertus*, *Metapenaeus* and *Penaeus*) are presently active.

## HISTORY OF CRUSTACEAN COLLECTING

Morgan (1990) and Jones (1991) detailed historical biological collecting in the Kimberley inshore bioregions. They noted that although the Baudin Expedition (1801–1803) is considered to have undertaken the first significant biological collecting in southern and northern Western Australia (WA) no descriptions of crustaceans collected within the Kimberley inshore were published. However, subsequent publications have documented sketches and illustrations of crustacea (Jones 1986, 1988; Bonnemains and Jones 1990). From analysis of notebooks and illustrations from this expedition, Bonnemains and Jones (1990) were also able to publish details of crustacean material collected from the north-western coast of WA (Péron Carnet 65006) – *Cancer mantis*, *Cancer notonacanthos*, *Cancer pelagicus*, *Cancer pelagicus* Lin. Variété Ocellata, *Cancer porcellamachromus*, *Cancer squilla monocurtos*, *Cancer transversus* and *Cancer whytensis*; the north coast of WA (Péron Carnet 21002, Journal X) – *Oniscus asellus rostracanthus* var. B (?); and between the north coast of WA and Timor (Péron Carnet 21002, Journal X) – *Cancer pelagicus*, *Oniscus asellus?* indet.

The first published accounts of the crustaceans of north-western Australia occurred over 100 years after the Baudin Expedition, and were based on specimens collected during Dr E.J. Mjöberg's Swedish scientific expeditions to Australia (1910–1913). These expeditions resulted in published reports on a wide range of crustaceans, from marine (Cirripedia, Broch 1916; Stomatopoda, Macrura, Paguridea, Galatheidea, Balss 1921; Cumacea, Zimmer 1921; Amphipoda, Chilton 1922; Brachyura, Albuneidae and Porcellanidae, Rathbun 1924), freshwater (Phyllopoda, Schwartz 1917; Ostracoda, Skogsberg 1917) and terrestrial (Isopoda, Wahrberg 1922). The marine species were collected only from the most southerly shores of the Project Area, from near Broome and off Cape Jaubert, 160 km to the south, and mostly in deeper water.

Apart from sporadic collections of crustaceans, such as brachyurans and hermit crabs, and mostly from the relatively accessible areas near Broome

and Derby (e.g. McCulloch 1918), there were no further concerted shallow-water biological surveys undertaken until 1975. At this time the Russian Research Vessel *Kallisto* conducted a survey at Scott Reef with Tsareva (1980) documenting a total of 45 species of Crustacea. Thirteen years later (1988), WAM and the Field Museum of Natural History, Chicago undertook the first inshore, shallow-water biodiversity survey to specifically target crustaceans. The resulting collection of Thalassinidea, Brachyura and Anomura from coastal habitats along the mainland and islands of the Kimberley coast were detailed by Morgan (1990). This publication recorded 171 crustacean species, 69 of which were new records for the region. WAM has since carried out a further eight surveys in the Project Area and crustaceans were among the taxa collected. These were deposited in WAM collections, and the results of these surveys have remained largely unpublished.

Papers, reviews and revisions referencing various crustacean taxa have also included specimens from within the Project Area, for example, Cirripedia (Jones 1991, 1992a, 1992b, 2003, 2012; Jones and Hewitt 1997; Jones et al. 1990); Amphipoda (Lowry and Stoddart 2003) and within the Isopoda, Cirolanidae (Bruce 1986). However, most work has been undertaken within the Decapoda, e.g. Penaeidae (Dall 1957); caridean Alpheidae (Banner and Banner 1975, 1982); Thalassinidea (Poore and Griffin 1979) and in the Anomura, Porcellanidae (Haig 1965) and Galatheidae (Baba et al. 2008). Similarly, within the Brachyura, Dromiidae (Montgomery 1931); Dorippidae (Tyndale-Biscoe and George 1962); Calappidea (Tyndale-Biscoe and George 1962); Leucosiidae (Tyndale-Biscoe and George 1962; George and Clark 1976); Majidae (Montgomery 1931; Griffin and Yaldwyn 1965; Griffin 1966, 1970–1973; Griffin and Tranter 1986); Portunidae (Rathbun 1924; Stephenson and Hudson 1957; Stephenson, Hudson and Campbell 1957; Stephenson and Campbell 1959, 1960; Stephenson 1961, 1972); Xanthidae (McCulloch 1918; Rathbun 1924; Montgomery 1931); Pilumnidae (Rathbun 1924; Montgomery 1931; Balss 1933; Takeda and Miyake 1968, 1969); Grapsidae (McCulloch 1918); Pinnotheridae (Rathbun 1924) and Ocypodidae (McCulloch 1918; Rathbun 1924; George and Knott 1965; Barnes 1967, 1968; Crane 1975; George and Jones 1982; Hagen and Jones 1989; Davie 2012).

## AIMS

To synthesise records of crustacean species in the Project Area, which are verified by specimens lodged in museum collections, and to provide comment on diversity trends, taxonomic and collection gaps in the region.

## METHODS

### SPATIAL INFORMATION, COLLECTION DETAILS AND MAPPING

The Project Area was defined by waters <30 m depth within the following coordinates: 19.00°S 121.57°E; 19.00°S 118.25°E; 12.00°S 129.00°E; 12.00°S 121.00°E, with the coastline forming a natural inshore boundary (Figure 1; see Sampey et al. 2014, for a full explanation of the study area). The marine crustacean fauna was defined as those species known to rely on the marine environment for a significant portion of their lifecycles. This includes some predominantly terrestrial taxa, such as hermit crabs of the genus *Coenobita*, which live their adult life terrestrially, but migrate to the sea to release larvae, as well as the isopod genera, *Ligia* and *Alloniscus* inhabiting the splash zones of the supralittoral.

Crustacean data were sourced from the collection databases of WAM, Queensland Museum (QM), Museum and Art Gallery of the Northern Territory (MAGNT) and Australian Museum (AM), and from the species lists presented in the results of 10 surveys (Tsareva 1980; Berry and Morgan 1986; Jones 1991; Morgan 1992; Morgan and Berry 1993; Davie and Short 1995, 1996; Jones and Hewitt 1997; Hewitt 1997; Hewitt et al. 2009; Keesing et al. 2011).

The resulting dataset was collated into a single database, the provenance details verified, and specimen locations mapped using ArcGIS v9 and ArcMap v 9.3 (for full methodology see Sampey et al. 2014)

Species names represent a hypothesis and are subject to change as new information (e.g. morphological, genetic, behavioural and distributional) is discovered (Gaston and Mound 1993). The species names and taxonomic placement of the records in the dataset were checked in an endeavour to present the currently accepted name, but the specimens were not re-examined for this study. Species names were checked for current taxonomic placement and validity using a variety of publications, including online databases such as the Australian Faunal Directory (AFD) (ABRS 2014) and the World Register of Marine Species (WoRMS 2014), as well as traditionally published checklists and monographs (Jones et al. 1990; Davie 2002a, 2002b; Poore 2002; Lowry and Stoddart 2003; Baba et al. 2008; Ng et al. 2008; McLaughlin et al. 2010; Osawa and McLaughlin 2010; Ahyong et al. 2011; De Grave and Fransen 2011).

Records pertaining to specimens not identified to a described species were retained in the dataset only if they were the sole representative of a taxonomic group (e.g. *Nebalia* sp. was retained as there were no other representatives of this genus)

or it was clear that a taxonomist regarded them as a valid operational taxonomic unit (OTU) and distinct from known species (e.g. *Conopea* sp. nov.).

### BIOGEOGRAPHIC AND HABITAT CODING

Species were coded for their known habitat and biogeographic range to provide extra information for researchers and managers (Table 1). The terms 'inshore' and 'offshore' refer to locations shoreward and seaward of the 50 m depth contour, respectively, and are used to provide a comparison between localities adjacent to mainland Australia and the offshore atolls (see Figure 1).

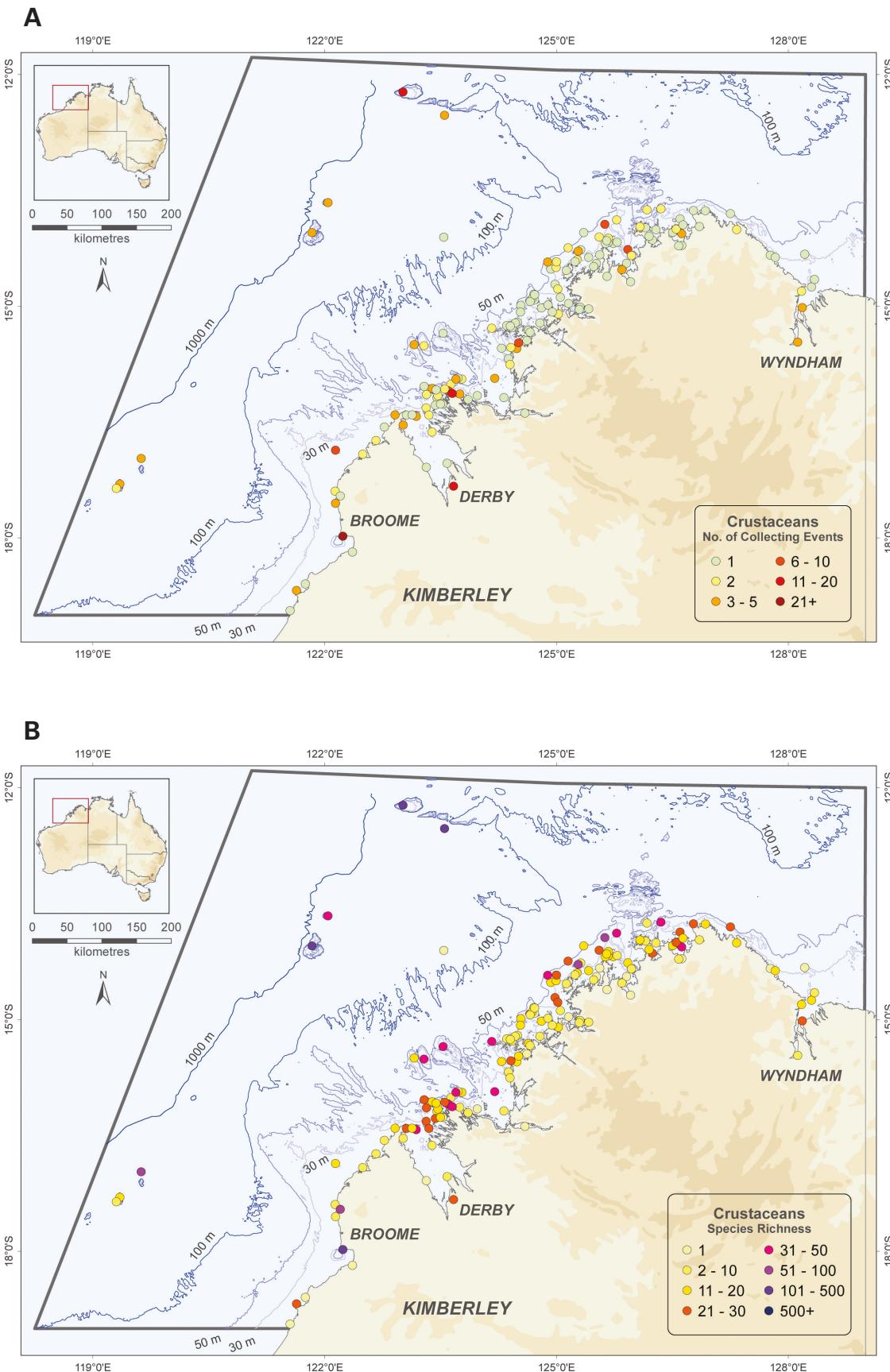
## RESULTS

### NUMBER OF SPECIMEN LOTS

There were a total of 5,399 registered crustacean specimen lots from within the Project Area from Australian museum collections, but 1,513 records were omitted due to incomplete identification. Of the 3,885 lots retained, 3,323 (85.5%) were decapods and 364 (9.4%) cirripedes (barnacles) (Table 2). Within the decapods, Brachyura (true crabs) were best represented with 2,011 (60.5%) followed by Anomura (hermit crabs, squat lobsters) with 736 (22.1%) and Caridea (shrimp) with 458 (13.8%). The oldest specimen record in this dataset is *Nodolambrus nodosus* (Jacquinot, in Jacquinot and Lucas, 1853), collected near Broome in 1909 by the Hon. Arthur Male MLA, the Kimberley district representative to the state parliament at the time. The dry specimen is still extant, held in the Australian Museum, Sydney, and in excellent condition (Figure 2).

### SPECIES RICHNESS

A total of 882 species were recorded across 128 families and 13 orders (Appendix 1). Of these, 19 are listed as being undescribed and 99 are of uncertain specific designation (e.g. sp., sp. 1, cf., ?). The infraclass Cirripedia forms a discrete taxonomic unit and is herein compared with other taxa at a level comparable to the ordinal level. The most speciose order was Decapoda (732 species), followed by Cirripedia (58), Isopoda (29) and Stomatopoda (28). Within Decapoda, more than half of the species were in Brachyura (405), followed by Caridea (187) and Anomura (98). The most speciose families of these infraorders were the Xanthidae (105) and Palaemonidae (79) and Diogenidae (44), respectively. The remaining peracarid orders, Amphipoda (19), Tanaidacea (1) and Mysidacea (4) as well as subclass Copepoda (3), had such low representation they were excluded from separate treatment in the remainder of the results.



**FIGURE 1** Maps showing crustacean collecting locations: A. number of collecting events at each site; B. species richness at each site. The Kimberley Project Area boundary is marked in grey; see Sampey et al. (2014) for methodology. Map projection: GDA 94, scale 1:6, 250,000.

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

Code	Definition
<b>Biogeographic</b>	
A	<i>Australian endemic.</i> Recorded in tropical and temperate Australian waters.
AT	<i>Atlantic Ocean.</i> Recorded in the Atlantic Ocean, may include the Mediterranean and Caribbean Seas.
C	<i>Circumglobal.</i> Recorded in all oceans in either tropical or tropical/temperate waters.
IA	<i>Indo-Australian.</i> Recorded in Australian and Indonesian waters, may extend to the Philippines.
IO	<i>Indian Ocean.</i> Restricted to the Indian Ocean.
IP	<i>Indo-Pacific.</i> Recorded in the Indian and Pacific Oceans including the Americas.
IWP	<i>Indo-West Pacific.</i> Recorded in the Indian and western Pacific Oceans as far east as Hawai'i and French Polynesia.
NA	<i>Northern Australian endemic.</i> Recorded 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>	
E	<i>Estuarine.</i> Recorded in estuarine or brackish waters.
EnP	<i>Endophytic.</i> Always recorded in an external association with a particular species of marine plant.
EnZ	<i>Endozoic.</i> Always recorded in an internal association with a particular species of animal.
EP	<i>Epiphytic.</i> Always recorded in an external association with a particular species of marine plant.
EZ	<i>Epizoic.</i> Always recorded in an external association with a particular species of animal.
H	<i>Hard Substrate.</i> Recorded associated with hard substrates (e.g. rock, coral, rubble).
i	<i>Intertidal.</i> Recorded living above the low tide line and into the supralittoral.
M	<i>Mangrove.</i> Recorded amongst mangroves.
P	<i>Pelagic.</i> Recorded in the water column.
s	<i>Subtidal.</i> Recorded living below the low tide line.
S	<i>Soft Substrate.</i> Recorded associated with soft substrates (e.g. sand, mud).
SG	<i>Seagrass.</i> Recorded associated with seagrass meadows.
U	<i>Unknown.</i>

TABLE 2 Crustacean specimen lots housed in Australian museum collections retained in the dataset by taxa and institution.

Taxa	AMS	MAGNT	QM	WAM	Total
Amphipoda	8	18	2	0	28
Cirripedia	10	9	6	339	364
Copepoda	0	3	0	0	3
Decapoda	382	198	779	1964	3323
Isopoda	5	32	19	8	64
Leptostraca	0	1	4	0	5
Mysidacea	0	2	1	0	3
Stomatopoda	20	9	23	41	93
Tanaidacea	0	2	0	0	2
Total	425	274	834	2352	3885



**FIGURE 2** The oldest specimen in the dataset, *Nodolambrus nodosa* (Jacquinot, in Jacquinot & Lucas, 1853), collected near Broome in 1909 by Arthur Male. Photo courtesy of Steven Keable, Australian Museum.

#### BIOGEOGRAPHY AND HABITS

The number of crustacean taxa collected at any given location demonstrated high variability. Crustacean data were available for 150 locations in the Project Area (Table 3). Species richness was highest at Broome (212) followed by Ashmore Reef (208), but ranged down to one at 20 inshore Project Area locations. Collecting effort was also highly variable, with 67 collecting events at Broome to one event at 87 other locations. Decapods were again the most widely collected group, having been collected at 137 of 150 locations, followed by Cirripedia (87) and Stomatopoda (37). Within the Decapoda, Brachyura were collected from 118 locations, followed by Caridea at 66. The Xanthidae and Palaemonidae were the most widely collected families from 73 and 53 locations, respectively.

Most species were collected from only one or two locations (48.5% and 21%, respectively). In contrast,

the most widely collected species, the intertidal grapsid crab *Metopograpsus frontalis*, had been collected from 40 locations throughout the inshore Kimberley.

In this study, 63% of species recorded are wide ranging Indo-West Pacific species, less than 3% are Indian Ocean endemics and 9% are restricted to the Australian-Indonesian region (Table 4, Figure 3). Endemism rates are low with only 13.3% regarded as Australian endemics. These rates differed between the Isopoda (34.4%), Stomatopoda (25%), Cirripedia (15.5%) and Decapoda (10%). Comparisons between inshore and offshore localities demonstrated a marked difference in endemism, with 17% and 4% respectively. Two species, *Megabalanus tintinnabulum* and *Amphibalanus reticulatus*, were considered to be introduced into Australian waters.

The offshore atolls were less diverse than the inshore areas with 408 species compared with 596

(Appendix 1). More than half of the species (53.8% or 476 species) were recorded only from the inshore areas while 32.5 % (288 species) were recorded only from the offshore areas, leaving 13.6% (120 species) shared between both areas.

The overwhelming majority of the species recorded were benthic, with only 3% considered to be pelagic (Table 5). A greater diversity of species was found to utilise hard substrates (63.4%) than soft substrates (34%). This varied between inshore (49% v. 32%) and offshore (70% v. 7%) areas. The number of species utilising hard substrates was comparable between inshore and offshore (344 and 321 respectively). Species forming symbiotic associations accounted for 19% of the dataset, with only 4% of these known to be associated specifically with marine plants, the remainder being associated with marine fauna (e.g. corals and sponges).

## DISCUSSION

This synthesis of museum collection data is a valuable first step in understanding the crustacean diversity of the area and provides baseline data for researchers, environmental managers, consultants and other stakeholders. Caution is required when interpreting the data owing to the extreme variability in provenance of the specimens reported herein.

The Project Area, with a total of 882 crustacean species, is very diverse, in large part driven by the presence of two distinct areas, vis-à-vis the inshore and offshore areas. Similar work undertaken at Dampier Archipelago recorded 529 species (Hewitt 2004; Jones 2004; Peart 2004), which is comparable to the diversity of the inshore Kimberley area. No such data have been compiled for other tropical areas of Australia, such as the Great Barrier Reef.

## SPECIES RICHNESS PATTERNS

The analysis of species richness follows some clear and expected patterns. The most speciose order of Malacostracan crustaceans was the Decapoda, with Xanthidae, Palaemonidae and Alpheidae the most speciose families (Ahyong et al. 2011). These families have their greatest diversity centred in tropical reef areas (Chace 1988; Davie 2002a, 2002b), which is supported by the present data. A similar pattern is seen within the Cirripedia. The family Archaeobalanidae is the most speciose family of sessile barnacles, both globally and in the Project Area (Newman and Ross 1976; Ahyong et al. 2011).

A large proportion of the recorded species richness across habitats and locations can be accounted for by collecting effort. The pattern demonstrates that most collecting had occurred close to human habitation, as can be seen by the

large number of collecting events at Broome (67 events, 212 species), the largest settlement within the Project Area. Owing to their remoteness, the specimens collected from the offshore atolls were the result of targeted crustacean surveys, resulting in a greater diversity relative to collecting effort (e.g. Ashmore Reef: 15 events, 208 species). Similarly, coral reefs and adjacent intertidal shores had received the most attention from researchers. While crustacean diversity in soft sediments was generally considered lower than coral reef habitats (Abele 1974), it was clear from previous museum reports that hard substrates were targeted during surveys (e.g. Morgan 1992; Davie and Short 1995, 1996; Hewitt 1997). The offshore atolls lacked mangrove, sea grass, fine mud and estuarine habitats prevalent inshore. They also received substantially less collecting effort and thus offshore species richness is likely to be higher than currently recorded. According to Moore et al. (2014) and Richards et al. (2014) the offshore atolls are more diverse than inshore areas with 72% of fish and 91% of scleractinian species being found offshore compared to 46% of crustacean species.

## TAXONOMIC GAPS

That the decapods were well represented in the Project Area is to be expected, as these are the most familiar crustaceans with the largest species and the highest commercial value, thus making them charismatic megafauna within the Crustacea. Even a cursory examination of the listed diversity in Appendix 1 demonstrates clear taxonomic gaps in the crustacean collections of Australian museums. The bias largely reflects the resources available to, and the interests and expertise of, those involved during the expeditions. The orders of the Peracarida, in particular the orders Amphipoda and Isopoda, which are represented in Australia by approximately 2,500 species (Poore 2002; Lowry and Stoddart 2003) were largely absent from the dataset. Perhaps the largest taxonomic gap, in terms of total biodiversity, was the Copepoda and Ostracoda, which have approximately 15,850 and 7,600 species respectively worldwide (Ahyong et al. 2011). These groups are very diverse and highly abundant in benthic communities, but require specialist knowledge to collect and study.

Within the Cirripedia, only the Thoracica, which includes the stalked and acorn barnacles, were represented, with the parasitic Rhizocephala and the burrowing Acrothoracica yet to have species recorded from the Project Area. The free-living, intertidal thoracican species were well represented in the collections. However, certain groups, such as the coral barnacles (Pyrgomatidae), have received very little attention, and within the collections were often only identified to family.

**TABLE 3** Summary of the historical crustacean collection localities, range of years over which records were collected, the number of collecting events (see Sampey et al. 2014 for methodology) and the Order of crustaceans recorded at each site.

Location	Collecting year range	No. Coll. events	Species richness	No. families	Amphipoda	Cirripedia	Copepoda	Decapoda	Leptostraca	Isopoda	Mysidacea	Stomatopoda	Tanaidacea
<b>Inshore sites</b>													
Adele Island	1962–1990	3	12	8					•				
Admiral Island	1989–1994	3	17	9	•				•				
Admiralty Gulf	1968 - 1978	6	18	9	•				•				
Albert Islands	1988	1	16	9	•				•				
Beagle Bay	1996–1997	2	2	2	•				•				
Beagle Reef	1991	1	35	12	•				•				
Bedford Island	1989–1994	2	24	17	•				•		•		•
Berkeley River	1974	1	1	1	•								
Bernouilli Island	1988	1	14	7					•				
Berthier Island	1988–1996	2	14	10					•				
Bigge Island	1987	1	7	4	•								
Bird Island	1954	1	1	1	•								
Broome	1909–2005	67	212	51	•	•	•	•		•		•	
Buffon Island	1988	1	1	1					•				
Caffarelli Island	1994	1	26	17	•				•			•	
Cambridge Gulf	1980–1995	3	26	14	•				•				
Camden Sound	1957–1996	5	14	12	•				•				
Cape Bossut	1929–1995	4	21	13					•			•	
Cape Bougainville	2008	1	3	3	•								
Cape Domett	1995	2	13	12	•				•		•		
Cape Jaubert	1995	1	1	1					•				
Cape Leveque	1929–1972	4	16	6					•			•	
Cape Londonderry	1995	1	19	10					•		•		
Cape Talbot	1995	1	22	14					•		•		
Careening Bay	1987–1988	2	18	11	•				•				
Cascade Bay	1975–1976	2	2	1					•				
Cassini Island	1976–1998	6	63	18	•				•				
Chambers Island	1988	1	1	1					•				
Churchill Reef	1991–1996	2	35	13	•				•				
Cockatoo Island	1961–1991	7	37	21	•				•			•	
Colbert Island	1996	1	16	10	•				•				
Collier Bay	1984	1	2	1	•								
Condillac Island	1988–1991	2	30	16	•				•				
Corneille Island	1988	1	12	7					•				

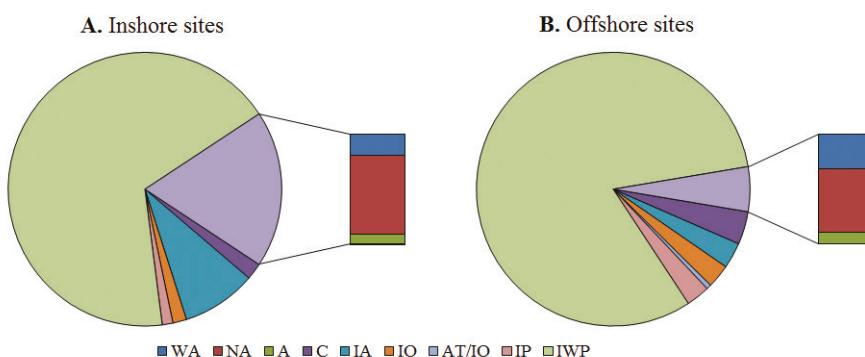
Location	Collecting year range	No. Coll. events	Species richness	No. families	Amphipoda	Cirripedia	Copepoda	Decapoda	Leptostraca	Isopoda	Mysidacea	Stomatopoda	Tanaidacea
Coronation Island	1988	1	3	2				•					
Coulomb Point	1971–1975	2	4	3	•			•					
Cygnet Bay	1949–1984	3	5	3				•					
Dampierland	2008	1	54	21	•			•				•	
De Freycinet Island	1996	1	13	8				•					
Derby	1915–1986	17	30	18	•			•		•		•	
Descartes Island	1988	1	14	6				•					
Don Island	1988	1	2	1				•					
Drysdale River	1995	1	6	2				•					
Entrance Island	1988	1	16	9	•			•					
Etisus Island	1988	1	3	1				•					
Fenelon Island	1988–1991	2	16	8				•					
Freshwater Bay	1995	1	2	2				•					
Gagg Island	1994	1	2	2				•					
Gibbings Reefs	1996	2	17	6				•					
Gregory Island	1989–1994	2	22	12	•			•					
Grey Island	1988	1	5	4	•			•					
Hale Island	1991	1	20	8	•			•					
Hall Point	1988	1	4	3	•			•					
Hedley Island	1996	1	30	12	•			•					
Heritage Reef	1991–1996	2	28	15	•			•					
Heywood Island	1988	1	2	2				•					
Hunter River	1988	1	6	4				•					
Iredale Island	1988	1	14	8				•					
Irvine Island	1988–1994	2	22	13	•			•			•		
Jackson Island	1988	1	6	3				•					
Jamieson Reef	1996	1	17	8				•					
Jar Island	1995	1	25	15				•		•		•	
Jones Island	1991–1995	2	41	20	•	•		•		•	•	•	
Joseph Bonaparte Gulf	1900	1	1	1				•					
Jungulu Island	1988	1	10	7				•					
Jussieu Island	1996	1	23	12	•			•					
Kalumburu	1992	1	1	1				•					
Katers Island	1988	1	1	1				•					
Keraudren Island	1989	1	2	2	•			•					
King Edward River	1995	1	3	1				•					
King George River	1991–1995	2	15	10	•			•			•		
King Sound	1914–1918	2	4	4				•				•	
Kingfisher Island	1994	1	1	1				•					



Location	Collecting year range	No. Coll. events	Species richness	No. families	Amphipoda	Cirripedia	Copepoda	Decapoda	Leptostraca	Isopoda	Mysidacea	Stomatopoda	Tanaidacea
Prudhoe Islands	1988–1996	2	20	12	•			•				•	
Pyrene Island	1988	1	4	2				•					
Quondong Point	1961–2008	3	7	7				•				•	
Quoy Island	1988	1	10	5	•			•					
Reveley Island	1995	1	20	13	•			•					
Robroy Reefs	1988–1996	3	46	15	•			•					
Roebuck Bay	2010	1	1	1				•					
Rogers Strait	1990	1	1	1	•								
Scorpion Island	1991	1	22	13	•			•					
Shirley Island	1988	1	22	11	•			•					
Slate Islands	1988–1996	2	24	12	•			•					
Solem Islands	1991	1	13	9				•					
Sunday Island	1930–1994	4	47	20	•			•				•	
Talbot Bay	1994	1	5	5				•					
Tallon Island	1994	1	17	14	•			•		•		•	
Thais Island	1988	1	1	1				•					
Trochus Island	1988	1	2	1				•					
Troughton Island	1962–1995	2	3	3				•				•	
Valentine Island	1967	1	1	1				•					
Vansittart Bay	1970–1991	2	21	10	•			•					
Wailgwin Island	1988	1	15	7	•			•					
Walcott Inlet	2010	1	1	1				•					
West Governor Island	1995	1	15	10				•		•		•	
Whirlpool Pass	1994	1	13	7				•		•			
White Island	1996	1	17	10				•		•			
Wildcat Reefs	1988–1996	2	39	15	•			•					
Woodward Island	1991	1	6	3				•					
Wyndham	1928–1990	4	7	5				•				•	
Yampi Sound	1954–1991	16	50	26	•			•				•	
Yankawingarri Island	1991	1	19	12	•			•					
York Sound	1975	1	8	7				•				•	
<b>Offshore sites</b>													
Ashmore Reef	1961–2002	15	208	70	•	•	•	•	•	•	•	•	•
Browse Island	1979	1	1	1				•					
Cartier Island	1986–1996	4	184	38	•	•	•	•	•	•	•	•	
Clerke Reef	1982–1983	4	19	15	•			•					
Mermaid Reef	1981–2006	4	63	21	•			•				•	
Scott Reef	1977–2006	4	123	43	•	•		•		•	•	•	•
Seringapatam Reef	1978–2006	4	36	16	•			•					

**TABLE 4** Summary of distributional data of crustacean species recorded within the Kimberley Project Area (visualised in Figure 3).

Biogeographic code	Inshore sites # Species	%	Offshore sites # Species	%	Total # species	%
WA	20	3.4	6	1.5	26	2.9
NA	74	12.4	11	2.7	82	9.3
A	9	1.5	2	0.5	10	1.1
C	11	1.8	14	3.4	19	2.1
IA	49	8.2	11	2.7	58	6.6
IO	9	1.5	10	2.5	17	1.9
AT	0	0.0	2	0.5	2	0.2
IP	7	1.2	10	2.5	12	1.4
IWP	376	63.1	293	71.8	571	64.6
U	41	6.9	49	12.0	87	9.8
Total	596		408		884	



**FIGURE 3** Biogeographic affinities of crustacean species in the Kimberley Project Area dataset. A, species recorded inshore; B, species recorded offshore. Australian endemics are pooled in the pie graph and expanded inset. Abbreviations are explained in Table 1.

#### BIOGEOGRAPHIC PATTERNS IN SPECIES RICHNESS/COMPOSITION

This dataset indicated only 13.6% of crustacean species were known to be shared between the offshore atolls and inshore areas. This pronounced difference in faunal composition between different bioregions was to be expected (Commonwealth of Australia 2006) and can largely be explained through the diversity and scale of habitats available for colonisation (Wilson 2013, 2014). These are restricted at the offshore atolls compared to inshore areas, where there is a large freshwater influence, as well as expansive areas of fine sediments and mangrove forests. This would explain the greater diversity, at least within such families as Macrophthalmidae, Ocipodidae, Penaeidae and

Sesarmidae, in the inshore areas. The diversity of species associated with hard substrates was comparable between these areas, despite the reefs of the offshore atolls being only a fraction of the size of those found inshore. It has been shown that the diversity of scleractinian corals and fish is much greater in the offshore areas (Moore et al. 2014; Richards et al. 2014), so it would be logical to suggest that with further surveys crustaceans associated with coral reefs would also have an overall greater diversity.

The majority of crustacean species were tropical, occurring well within their known distributional ranges. However, a small proportion of the species were found throughout Australia with the Project Area being near the northern extent of their distributions. Rates of endemism in Australian

tropical regions were relatively lower than those of temperate zones (O'Hara 2002). Only 13.3% of the Project Area crustaceans were regarded as Australian endemics compared with 80% of decapods found along the south coast of WA (Morgan and Jones 1991).

Data on non-indigenous species in the Project Area were deficient, largely because areas of likely incursions, such as ports and other artificial marine infrastructure had not been surveyed. Surveys in these areas would provide further information on the impacts of increasing human activity in the region (e.g. mining, tourism and urban development).

## FUTURE DIRECTIONS

The species richness patterns largely reflect collecting effort. The gaps highlighted in this study, both taxonomic and geographic should be addressed. For example, some of these gaps could be filled through dedicating resources to the identification of the many unidentified specimens already housed within museum collections. While knowledge of the shallow water decapods is not complete, future biodiversity and taxonomic surveys should shift the emphasis onto other less conspicuous crustacean groups, such as the Amphipoda and the Isopoda. Future surveys should also target habitats and localities that have received little attention, including mangroves and the midshelf shoals.

The present study of the marine crustaceans of the Project Area is the most comprehensive carried out to date. As well as providing valuable baseline data for future crustacean studies, this information is vital for regional stakeholders such as environmental managers, cultural landowners, resource and regional planners and local residents, and contributes to the debate on wider issues, such as climate change.

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**APPENDIX 1** Crustacean species recorded in the Kimberley Project Area. Habitat and biogeographic codes are explained in Table 1. Species marked with † are considered to be probable misidentifications, while species marked with \* were recorded by Tsareva (1980) and are not represented in any of the surveyed collections.

Species	Habitat code	Biogeographic code	Inshore	Offshore
<b>Class: Maxillopoda</b>				
<b>Subclass: Copepoda</b>				
<b>Order: Cyclopophiboida</b>				
<b>Family: Lichmolidae</b>				
<i>Stellicola</i> sp.	U	U		•
<b>Family: Taeniacanthidae</b>				
<i>Taeniacanthus</i> sp.	U	U	•	
<b>Order: Monstrilloidea</b>				
<b>Family: Monstrilloidae</b>				
<i>Monstrilloidae</i> sp.	U	U	•	
<b>Infraclass: Cirripedia</b>				
<b>Order: Ibliformes</b>				
<b>Family: Iblidae</b>				
<i>Ibla cumingi</i> Darwin, 1851	H <sup>i</sup>	IWP	•	
<b>Order: Lepadiformes</b>				
<b>Family: Lepadidae</b>				
<i>Lepas anserifera</i> Linnaeus, 1767	P/EZ/EnZ	C	•	
<i>Lepas pectinata</i> Spengler, 1793	P/EZ/EnZ	C	•	
<b>Family: Poecilastmatidae</b>				
<i>Megalasma striatum</i> Hoek, 1883	U/EZ <sup>s</sup>	IWP	•	
<i>Octolasmis angulata</i> (Aurivillius, 1894)	U/EZ <sup>s</sup>	IWP	•	
<i>Octolasmis aperta</i> Aurivillius, 1894	U/EZ <sup>s</sup>	IWP	•	
<i>Octolasmis hawaiiense</i> (Pilsbry, 1907)	U/EZ <sup>s</sup>	IWP	•	
<b>Order: Scalpelliformes</b>				
<b>Family: Lithotryidae</b>				
<i>Lithotrya valentiana</i> (Gray, 1825)	H <sup>is</sup>	IWP	•	•
<b>Order: Sessilia</b>				
<b>Family: Archaeobalanidae</b>				
<i>Acasta conica</i> Hoek, 1913	H/EZ <sup>s</sup>	NA	•	
<i>Acasta echinata</i> Hiro, 1937	H/EZ <sup>s</sup>	NA	•	
<i>Acasta fenestrata</i> Darwin, 1854	H/EZ <sup>s</sup>	IWP	•	
<i>Acasta hirsuta</i> Broch, 1916	H/EZ <sup>s</sup>	NA	•	
<i>Acasta japonica?</i> Pilsbry, 1916	H/EZ <sup>s</sup>	NA	•	
<i>Acasta spongites</i> (Poli, 1795)	H/EZ <sup>s</sup>	NA	•	
<i>Acasta sulcata</i> Lamarck, 1818	H/EZ <sup>s</sup>	IWP	•	
<i>Armatobalanus allium</i> (Darwin, 1854)	H/EZ <sup>s</sup>	IWP	•	
<i>Armatobalanus filigranus</i> (Broch, 1916)	H/EZ <sup>s</sup>	IA	•	
<i>Armatobalanus quadrivittatus</i> (Darwin, 1854)	H/EZ <sup>s</sup>	IWP	•	•
<i>Armatobalanus terebratus</i> (Darwin, 1854)	H/EZ <sup>s</sup>	IA	•	
<i>Conopea mijobergi</i> (Broch, 1916)	H/EZ <sup>s</sup>	WA	•	
<i>Conopea</i> sp. nov.	H/EZ <sup>s</sup>	WA	•	
<i>Euacasta antipathidus?</i> (Broch, 1916)	H/EZ <sup>s</sup>	WA	•	
<i>Euacasta dofleini</i> (Krüger, 1911)	H/EZ <sup>s</sup>	IWP	•	

Species	Habitat code	Biogeographic code	Inshore	Offshore
<i>Euacasta porata</i> Nilsson-Cantell, 1921	H/EZ <sup>s</sup>	IWP	•	
<i>Euacasta zuiho</i> (Hiro, 1936)	H/EZ <sup>s</sup>	IA	•	
<i>Neocasta laevigata</i> Gray, 1825	H/EZ <sup>s</sup>	IWP	•	
<i>Solidobalanus ciliatus</i> (Hoek, 1913)	H/EZ <sup>s</sup>	IWP	•	
<i>Solidobalanus socialis</i> (Hoek, 1883)	H <sup>s</sup>	IWP	•	
<i>Striatobalanus amaryllis</i> (Darwin, 1854)	H <sup>s</sup>	IWP	•	
<i>Striatobalanus bimae</i> (Hoek, 1913)	H <sup>s</sup>	IA	•	
<b>Family: Balanidae</b>				
<i>Amphibalanus amphitrite</i> (Darwin, 1854)	H <sup>is</sup>	C	•	
<i>Amphibalanus cirratus</i> (Darwin, 1854)	H <sup>is</sup>	IWP	•	
<i>Megabalanus ajax?</i> (Darwin, 1854)	H/EZ <sup>s</sup>	IWP	•	
<i>Megabalanus tintinnabulum</i> (Linnaeus, 1758)	H <sup>is</sup>	C	•	
<i>Notomegabalanus krakatauensis?</i> (Nilsson-Cantell, 1934)	H <sup>s</sup>	IA		•
<b>Family: Chelonibiidae</b>				
<i>Chelonibia caretta</i> (Spengler, 1790)	U/EZ <sup>s</sup>	C	•	
<i>Chelonibia patula</i> (Ranzani, 1818)	U/EZ <sup>s</sup>	C	•	
<i>Chelonibia testudinaria</i> (Linnaeus, 1758)	U/EZ <sup>s</sup>	C	•	
<b>Family: Chthamalidae</b>				
<i>Caudoeuraphia caudata</i> (Pilsbry, 1916)	S/EP <sup>i</sup>	IA	•	
<i>Chthamalus malayensis</i> Pilsbry, 1916	S <sup>i</sup>	IWP	•	
<i>Euraphia</i> sp. nov.	S <sup>i</sup>	WA	•	
<i>Microeuraphia withersi</i> (Pilsbry, 1916)	S/EP <sup>i</sup>	IWP	•	
<b>Family: Pyrgomatidae</b>				
<i>Cantellius arcuatus</i> (Hiro, 1938)	H/EZ <sup>s</sup>	IWP	•	
<i>Cantellius iwayama</i> (Hiro, 1938)	H/EZ <sup>s</sup>	IWP		•
<i>Cantellius pallidus</i> (Broch, 1931)	H/EZ <sup>s</sup>	IWP	•	
<i>Cantellius tredecimus</i> (Kolosvary, 1947)	H/EZ <sup>s</sup>	IWP	•	
<i>Darwiniella conjugatum</i> (Darwin, 1854)	H/EZ <sup>s</sup>	IWP	•	
<i>Neotrevathana elongatum</i> (Hiro, 1931)	H/EZ <sup>s</sup>	IWP	•	
<i>Nobia grandis</i> Sowerby, 1839	H/EZ <sup>s</sup>	IWP	•	
<i>Pyrgoma cancellata</i> Leach, 1818	H/EZ <sup>s</sup>	IWP	•	
<i>Savignium crenatum</i> Sowerby, 1823	H/EZ <sup>s</sup>	IWP	•	
<i>Trevathana dentatum</i> (Darwin, 1854)	H/EZ <sup>s</sup>	IWP	•	
<i>Wanella milleporae</i> (Darwin, 1854)	H/EZ <sup>s</sup>	IWP	•	
<b>Family: Tetraclitidae</b>				
<i>Newmanella vitiata</i> (Darwin, 1854)	H <sup>is</sup>	IWP	•	
<i>Tesseropora wireni</i> (Nilsson-Cantell, 1921)	H/EZ <sup>s</sup>	IWP	•	
<i>Tetraclita squamosa</i> (Bruguière, 1789)	H <sup>is</sup>	IWP	•	•
<i>Tetraclitella costata</i> (Darwin, 1854)	H <sup>is</sup>	IA	•	
<i>Tetraclitella multicostata</i> (Nilsson-Cantell, 1930)	H <sup>is</sup>	IA	•	
<b>Class: Malacostraca</b>				
<b>Subclass: Phyllocarida</b>				
<b>Order: Leptostraca</b>				
<b>Family: Nebaliidae</b>				
<i>Nebalia</i> sp.	U	U		•

Species	Habitat code	Biogeographic code	Inshore	Offshore
<b>Subclass: Hoplocarida</b>				
<b>Order: Stomatopoda</b>				
<b>Family: Gonodactylidae</b>				
<i>Gonodactylaceus falcatus</i> (Forskål, 1775)	H <sup>is</sup>	IWP	•	•
<i>Gonodactylaceus graphurus</i> (Miers, 1875)	S <sup>is</sup>	IA	•	
<i>Gonodactylaceus ternatensis</i> (De Man, 1902)	H <sup>s</sup>	IWP		•
<i>Gonodactylellus annularis</i> Erdmann & Manning, 1998	H <sup>is</sup>	IA		•
<i>Gonodactylellus dianae</i> Ahyong, 2008	H <sup>s</sup>	IWP	•	
<i>Gonodactylellus erdmanni</i> Ahyong, 2001	H <sup>is</sup>	IWP		•
<i>Gonodactylellus kume</i> (Ahyong, 2012)	H <sup>is</sup>	IWP		•
<i>Gonodactylus childi</i> Manning, 1971	H <sup>i</sup>	WP		•
<i>Gonodactylus chiragra</i> (Fabricius, 1781)	H <sup>is</sup>	IWP	•	•
<i>Gonodactylus platysoma</i> Wood-Mason, 1895	H <sup>is</sup>	IWP		•
<i>Gonodactylus smithii</i> Pocock, 1893	H <sup>is</sup>	IWP	•	•
<b>Family: Lysiosquillidae</b>				
<i>Lysiosquilla tredecimdentata</i> Holthuis, 1941	S <sup>is</sup>	IWP	•	
<i>Lysiosquillina maculata</i> (Fabricius, 1793)	S <sup>is</sup>	IWP	•	
<b>Family: Nannosquillidae</b>				
<i>Acanthosquilla multifasciata</i> (Wood-Mason, 1895)	S/M/E <sup>is</sup>	IWP	•	
<i>Bigelowina phalangium</i> (Fabricius, 1798)	S <sup>is</sup>	NA		•
<b>Family: Odontodactylidae</b>				
<i>Odontodactylus scyllarus</i> (Linnaeus, 1758)	H <sup>is</sup>	IWP		•
<b>Family: Protosquillidae</b>				
<i>Chorisquilla brooksi</i> (De Man, 1888)	H <sup>is</sup>	IWP		•
<i>Haptosquilla corrugata</i> Ahyong, 2001	H <sup>is</sup>	NA	•	
<i>Haptosquilla glyptocercus</i> (Wood-Mason, 1875)	H <sup>is</sup>	IWP		•
<b>Family: Pseudosquillidae</b>				
<i>Raoulserenea ornata</i> (Miers, 1880)	H <sup>is</sup>	IWP		•
<b>Family: Squillidae</b>				
<i>Carinosquilla carita</i> Ahyong, 2001	S <sup>s</sup>	NA	•	
<i>Cloridina stephensi</i> Ahyong, 2001	S <sup>i</sup>	NA	•	
<i>Cloridopsis terrareginensis</i> (Stephenson, 1953)	S/E <sup>is</sup>	IA		•
<i>Dictyosquilla tuberculata</i> Ahyong, 2001	S <sup>s</sup>	NA		•
<i>Harpiosquilla harpax</i> (De Haan, 1844)	S <sup>s</sup>	IWP		•
<i>Harpiosquilla stephensi</i> Manning, 1969	S <sup>s</sup>	NA		•
<i>Oratosquillina inornata</i> (Tate, 1883)	S <sup>is</sup>	IWP		•
<i>Oratosquillina interrupta</i> (Kemp, 1911)	S <sup>s</sup>	IWP		•
<b>Subclass: Eumalacostraca</b>				
<b>Superorder: Peracarida</b>				
<b>Order: Amphipoda</b>				
<b>Family: Caprellidae</b>				
<i>Caprella</i> sp.	U	U		•
<i>Metaprotella</i> sp.	U	U	•	

Species	Habitat code	Biogeographic code	Inshore	Offshore
<b>Family: Phtisicidae</b>				
<i>Quadrisegmentum triangulum</i> Hirayama, 1988	H/EZ <sup>s</sup>	WA	•	
<b>Family: Amarylididae</b>				
<i>Bamarooka tropicalis</i> Lowry & Stoddart, 2002	S <sup>s</sup>	NA	•	
<b>Family: Amphilochidae</b>				
<i>Amphilochidae</i> sp.	U	U	•	
<b>Family: Ampithoidae</b>				
<i>Ampithoe ningaloo</i> Peart, 2007	H <sup>s</sup>	WA	•	
<b>Family: Aoridae</b>				
<i>Aoridae</i> sp.	U	U	•	
<b>Family: Iphimediidae</b>				
<i>Iphimediidae</i> sp.	U	U	•	
<b>Family: Ischyroceridae</b>				
<i>Eriichthius pugnax</i> Dana, 1852	S <sup>s</sup>	IWP	•	
<b>Family: Leucothoidae</b>				
<i>Leucothoidae</i> sp.	U	U	•	
<b>Family: Lysianassidae</b>				
<i>Lysianassidae</i> sp.	U	U	•	
<b>Family: Melitidae</b>				
<i>Ceradocus</i> sp.	U	U	•	
<i>Parelasmopus</i> sp.	U	U	•	
<b>Family: Oedicerotidae</b>				
<i>Oedicerotidae</i> sp.	U	U	•	
<b>Family: Photidae</b>				
<i>Photidae</i> sp.	U	U	•	
<b>Family: Phoxocephalidae</b>				
<i>Phoxocephalidae</i> sp.	U	U	•	
<b>Family: Podoceridae</b>				
<i>Podocerus</i> sp.	U	U	•	
<b>Family: Synopiidae</b>				
<i>Synopia</i> sp.	U	U	•	
<b>Family: Talitridae</b>				
<i>Talitridae</i> sp.	S/A <sup>i</sup>	U	•	
<b>Order: Isopoda</b>				
<b>Family: Aegidae</b>				
<i>Aega</i> sp.	U	U	•	
<b>Family: Anthuridae</b>				
<i>Anthuridae</i> sp.	U	U	•	
<b>Family: Bopyridae</b>				
<i>Bopyridae</i> gen. nov. et sp. nov.	EZ	U	•	
<i>Parabopyrella</i> sp.	EZ	U	•	

Species	Habitat code	Biogeographic code	Inshore	Offshore
<b>Family: Cabiopsidae</b>				
<i>Cabiopsidae</i> sp.	EZ	U	•	
<b>Family: Cirolanidae</b>				
<i>Aatolana schioedtei</i> (Miers, 1884)	S <sup>s</sup>	NA	•	
<i>Booralana</i> sp.	U	U	•	
<i>Cartetolana integra</i> (Miers, 1884)	H/EZ <sup>s</sup>	IA	•	•
<i>Cirolana dissimilis</i> Keable, 2001	U <sup>is</sup>	NA	•	
<i>Cirolana mekista</i> Bruce, 1986	U <sup>i</sup>	NA	•	
<i>Excirolana orientalis</i> (Dana, 1853)	S <sup>i</sup>	IWP	•	
<i>Limicolana dinjerra</i> Bruce, 1986	S/EP <sup>s</sup>	NA	•	
<i>Metacirolana</i> sp.	U	U	•	
<i>Natatalana taiti</i> Keable, 1997	S <sup>is</sup>	NA	•	
<i>Neocirolana hermitensis</i> (Boone, 1918)	H/S/EZ <sup>s</sup>	NA	•	
<i>Plakolana mandorah</i> Keable, 1997	U <sup>s</sup>	NA	•	
<b>Family: Cymothoidae</b>				
<i>Anilocra koolanae</i> Bruce, 1987	EZ	IA	•	
<i>Anilocra pomacentri</i> Bruce, 1987	EZ	NA	•	
<i>Norileca</i> sp.	EZ	U	•	
<i>Renocila curtipinnata</i> Bruce, 1991	EZ	WA	•	
<b>Family: Gnathiidae</b>				
<i>Gnathia</i> sp.	U	U	•	
<b>Family: Joeropsididae</b>				
<i>Joeropsis</i> sp.	U	U	•	
<b>Family: Janiridae</b>				
<i>Carpias cf. longidactylus</i> (Nordenstam, 1946)	U <sup>s</sup>	IWP	•	
<b>Family: Leptanthuridae</b>				
<i>Accalathura</i> sp.	U	U	•	
<b>Family: Ligiidae</b>				
<i>Ligia exotica</i> Roux, 1828	H/A <sup>i</sup>	IWP	•	
<b>Family: Santiidae</b>				
<i>Prethura hutchingsae</i> Kensley, 1982	H <sup>s</sup>	NA	•	
<b>Family: Scyphacidae</b>				
<i>Alloniscus pallidulus</i> Budde-Lund, 1885	S/A <sup>i</sup>	IA	•	
<b>Family: Sphaeromatidae</b>				
<i>Cerceis</i> sp.	U	U	•	•
<i>Cymodoce</i> sp. 1	U	U	•	
<b>Order: Mysidacea</b>				
<b>Family: Mysidae</b>				
<i>Heteromysis harpaxoides</i> Bacescu & Bruce, 1980	EZ	NA	•	
<i>Heteromysis spinosa</i> Bacescu, 1986	H/EZ <sup>i</sup>	NA	•	
<i>Siriella</i> sp.	H/Ps	U	•	
<b>Order: Tanaidacea</b>				
<b>Family: Leptocheliidae</b>				
<i>Leptochelia</i> sp.	U	U	•	

Species	Habitat code	Biogeographic code	Inshore	Offshore
<b>Superorder: Eucarida</b>				
<b>Order: Decapoda</b>				
<b>Suborder: Dendrobranchiata</b>				
<b>Family: Penaeidae</b>				
<i>Atypopenaeus formosus</i> Dall, 1957	S <sup>s</sup>	IA	•	
<i>Kishinouyeopenaeopsis cornuta</i> (Kishinouye, 1900)	S/P/E <sup>s</sup>	IWP	•	
<i>Melicertus latisulcatus</i> (Kishinouye, 1896)	H/S <sup>s</sup>	IWP	•	
<i>Melicertus longistylus</i> Kubo, 1943	H/P <sup>s</sup>	IWP	•	
<i>Melicertus marginatus</i> (Randall, 1840)	S/P <sup>s</sup>	IWP	•	
<i>Metapenaeopsis commensalis</i> Borradaile, 1898	H/S <sup>s</sup>	IWP		•
<i>Metapenaeopsis crassissima</i> Racek & Dall, 1965	S/P <sup>s</sup>	A	•	
<i>Metapenaeopsis lamellata</i> (De Haan, 1844)	H/P <sup>s</sup>	IWP		•
<i>Metapenaeopsis menoui</i> Crosnier, 1991	S/P <sup>s</sup>	IWP		•
<i>Metapenaeopsis mogiensis</i> Crosnier, 1991	H <sup>s</sup>	IWP	•	
<i>Metapenaeopsis palmensis</i> (Haswell, 1879)	S/P <sup>s</sup>	IWP	•	
<i>Metapenaeopsis sinuosa</i> Dall, 1957	H/S/P <sup>s</sup>	NA	•	
<i>Metapenaeopsis tarawensis</i> Racek & Dall, 1965	H/S/P <sup>is</sup>	IWP		•
<i>Metapenaeus dalli</i> Racek, 1957	S/E <sup>s</sup>	IA	•	
<i>Metapenaeus ensis</i> (De Haan, 1844)	S/E <sup>s</sup>	IWP	•	
<i>Mierspenaeopsis sculptilis</i> (Heller, 1862)	S/P <sup>s</sup>	IWP	•	
<i>Fennneropenaeus merguiensis</i> De Man, 1888	S/E/P <sup>s</sup>	IWP	•	
<i>Penaeus monodon</i> Fabricius, 1798	S/E/P <sup>s</sup>	IWP	•	
<i>Megokris gonospinifer</i> (Racek & Dall, 1965)	S/P <sup>s</sup>	IA	•	
<i>Megokris granulosus?</i> (Haswell, 1879)	S/P <sup>s</sup>	IWP	•	
<i>Trachyphenaeus anchoralis</i> (Bate, 1881)	H/S/P <sup>s</sup>	NA	•	
<i>Trachysalambria curvirostris</i> (Stimpson, 1860)	S/P <sup>s</sup>	IWP	•	
<i>Trachysalambria fulvus</i> (Dall, 1957)	S/P <sup>s</sup>	NA	•	
<b>Family: Sergestidae</b>				
<i>Acetes</i> sp.	P/E	U		•
<b>Family: Sicyonidae</b>				
<i>Sicyonia bispinosa</i> De Haan, 1844	U <sup>s</sup>	IWP	•	
<b>Suborder: Pleocyemata</b>				
<b>Infraorder: Anomura</b>				
<b>Family: Albuneidae</b>				
<i>Albunea</i> sp.	S <sup>s</sup>	U	•	
<b>Family: Chirostylidae</b>				
<i>Uroptychus joloensis</i> Van Dam, 1939	U/EZ <sup>s</sup>	IA	•	
<b>Family: Coenobitidae</b>				
<i>Coenobita cavipes</i> Stimpson, 1858	S/A <sup>i</sup>	IWP	•	
<i>Coenobita perlatus</i> H. Milne Edwards, 1837	S/A <sup>i</sup>	IWP		•
<i>Coenobita rugosus</i> H. Milne Edwards, 1837	S/A <sup>i</sup>	IWP		•
<i>Coenobita spinosus</i> H. Milne Edwards, 1837†	S/A <sup>i</sup>	IWP	•	
<i>Coenobita variabilis</i> McCulloch, 1909	S/A <sup>i</sup>	NA	•	•
<b>Family: Diogenidae</b>				
<i>Aniculus ursus</i> (Olivier, 1811)	H <sup>is</sup>	IWP		•
<i>Calcinus elegans</i> (H. Milne Edwards, 1836)*	H <sup>is</sup>	IWP		•

Species	Habitat code	Biogeographic code	Inshore	Offshore
<i>Calcinus gaimardii</i> (H. Milne Edwards, 1848)	H <sup>is</sup>	IA	●	●
<i>Calcinus guamensis</i> Wooster, 1984	H <sup>is</sup>	IWP	●	●
<i>Calcinus laevimanus</i> (Randall, 1840)	H <sup>is</sup>	IWP		●
<i>Calcinus latens</i> (Randall, 1840)	H/S <sup>is</sup>	IWP	●	●
<i>Calcinus lineapropodus</i> Morgan & Forest, 1991	H <sup>is</sup>	IWP		●
<i>Calcinus minutus</i> Buitendijk, 1937	H <sup>is</sup>	IWP	●	●
<i>Calcinus pulcher</i> Forest, 1958	H <sup>is</sup>	IWP		●
<i>Calcinus seurati</i> Forest, 1951	H <sup>i</sup>	IWP		●
<i>Calcinus vachoni</i> Forest, 1958	H <sup>s</sup>	IWP	●	●
<i>Ciliopagurus strigatus</i> (Herbst, 1804)	H <sup>is</sup>	IWP	●	●
<i>Clibanarius corallinus</i> (H. Milne Edwards, 1848)	H <sup>is</sup>	IWP		●
<i>Clibanarius cf. eurysternus</i> Hilgendorf, 1879	H <sup>is</sup>	IWP		●
<i>Clibanarius infraspinatus</i> Hilgendorf, 1869	S <sup>is</sup>	IWP	●	
<i>Clibanarius longitarsus</i> (De Haan, 1849)	S/M/E <sup>i</sup>	IWP	●	
<i>Clibanarius padavensis</i> De Man, 1888	H/S <sup>i</sup>	IWP	●	
<i>Clibanarius striolatus</i> Dana, 1852	H <sup>is</sup>	IWP		●
<i>Clibanarius taeniatus</i> (H. Milne Edwards, 1848)	H <sup>is</sup>	NA	●	
<i>Clibanarius virescens</i> (Krauss, 1843)	H <sup>i</sup>	IWP	●	●
<i>Dardanus crassimanus</i> (H. Milne Edwards, 1836)	H/S <sup>s</sup>	IWP		●
<i>Dardanus deformis</i> (H. Milne Edwards, 1836)	H/S <sup>is</sup>	IWP	●	●
<i>Dardanus gemmatus</i> (H. Milne Edwards, 1848)	H/S <sup>s</sup>	IWP		●
<i>Dardanus guttatus</i> (Olivier, 1811)	H/S <sup>is</sup>	IWP		●
<i>Dardanus imbricatus</i> (H. Milne Edwards, 1848)	H/S <sup>s</sup>	NA	●	
<i>Dardanus lagopodes</i> (Forskål, 1775)	H <sup>is</sup>	IWP	●	●
<i>Dardanus megistos</i> (Herbst, 1804)	H <sup>is</sup>	IWP	●	●
<i>Dardanus pedunculatus</i> (Herbst, 1804)	H <sup>s</sup>	IWP		●
<i>Dardanus scutellatus</i> (H. Milne Edwards, 1848)	H/S <sup>is</sup>	IWP		●
<i>Dardanus setifer</i> (H. Milne Edwards, 1836)	H <sup>s</sup>	IWP	●	
<i>Dardanus</i> sp. nov.	U	U		●
<i>Dardanus squarrosus</i> Cook, 1989	H <sup>s</sup>	WA	●	
<i>Dardanus cf. vulnerans</i> (Thalwitz, 1892)	S <sup>s</sup>	IWP		●
<i>Diogenes avarus</i> Heller, 1865	H <sup>s</sup>	IWP	●	
<i>Diogenes biramus</i> Morgan, 1987	H <sup>s</sup>	NA	●	
<i>Diogenes gardineri</i> Alcock, 1905	H/S/M/E <sup>i</sup>	IWP	●	
<i>Diogenes rectimanus</i> Miers, 1884	S <sup>s</sup>	IWP	●	
<i>Diogenes serenei</i> Forest, 1956	H/S <sup>is</sup>	IWP	●	
<i>Diogenes stenops</i> Morgan & Forest, 1991	S <sup>is</sup>	NA	●	
<i>Paguristes alegrias</i> Morgan, 1987	H/S <sup>is</sup>	NA	●	
<i>Paguristes brevirostris</i> Baker, 1905*	H <sup>is</sup>	A		●
<i>Paguristes kimberleyensis</i> Morgan & Forest, 1991	H/S <sup>is</sup>	WA	●	
<i>Paguristes monoporus</i> Morgan, 1987	H <sup>is</sup>	IWP	●	
<i>Strigopagurus strigimanus</i> (White, 1847)	H/S <sup>s</sup>	A	●	●
<b>Family: Galatheidae</b>				
<i>Allogalathea elegans</i> (Adams & White, 1848)	H/EZ <sup>s</sup>	IWP	●	●
<i>Galathea orientalis</i> Stimpson, 1858	H <sup>s</sup>	IWP	●	
<i>Galathea subsquamata</i> Stimpson, 1858	H/S <sup>s</sup>	IWP	●	
<i>Phylladiorhynchus cf. integrirostris</i> (Dana, 1852)	H <sup>is</sup>	IWP	●	

Species	Habitat code	Biogeographic code	Inshore	Offshore
<b>Family: Hippidae</b>				
<i>Hippa pacifica</i> (Dana, 1852)	S <sup>is</sup>	IP	•	•
<b>Family: Munididae</b>				
<i>Munida</i> sp.	U	U		•
<i>Sadayoshia</i> sp. nov.	U	U		•
<b>Family: Paguridae</b>				
<i>Catapagurus</i> sp.	U	U	•	
<i>Paguritta harmsi</i> (Gordon, 1935)	H/EZ <sup>s</sup>	IA		•
<i>Pagurixus</i> cf. <i>boninensis</i> (Melin, 1939)	H/S <sup>s</sup>	IWP	•	
<i>Pagurus boriaustraliensis</i> Morgan, 1990	H/S <sup>is</sup>	WA	•	
<i>Pagurus hirtimanus</i> (Miers, 1880)	S <sup>is</sup>	IWP		•
<i>Pagurus kulkarnii</i> Sankolli, 1962	H/S <sup>is</sup>	IO	•	
<b>Family: Porcellanidae</b>				
<i>Aliaporcellana pygmaea</i> (De Man, 1902)	H <sup>s</sup>	IWP		•
<i>Aliaporcellana suluensis</i> (Dana, 1852)	H <sup>is</sup>	IWP	•	
<i>Ancylocheles gravelei</i> (Sankolli, 1963)	H <sup>is</sup>	IWP	•	
<i>Enosteoides ornatus</i> (Stimpson, 1858)	H <sup>is</sup>	IWP	•	
<i>Lissoporcellana furcillata</i> Haig, 1965	H <sup>is</sup>	IWP	•	
<i>Lissoporcellana spinuligera</i> (Dana, 1853)	H <sup>is</sup>	IWP	•	
<i>Lissoporcellana streptochiroides</i> (Johnson, 1970)	H/S <sup>is</sup>	IWP	•	
<i>Neopetrolisthes maculatus</i> (H. Milne Edwards, 1837)	H/EZ <sup>s</sup>	IWP	•	•
<i>Pachycheles garciaensis</i> (Ward, 1942)	H <sup>s</sup>	IWP		•
<i>Pachycheles johnsoni</i> Haig, 1965	H <sup>is</sup>	IWP	•	
<i>Pachycheles sculptus</i> (H. Milne Edwards, 1837)	H <sup>is</sup>	IWP	•	•
<i>Petrolisthes asiaticus</i> (Leach, 1820)	U <sup>is</sup>	IWP		•
<i>Petrolisthes boscii</i> (Audouin, 1826)	H <sup>is</sup>	IWP	•	
<i>Petrolisthes eldredgei</i> Haig & Kropp, 1986	H <sup>s</sup>	IWP		•
<i>Petrolisthes haswelli</i> Miers, 1884	H <sup>i</sup>	NA	•	•
<i>Petrolisthes heterochrous</i> Kropp, 1986	H <sup>s</sup>	IWP		•
<i>Petrolisthes kranjiensis</i> Johnson, 1970	S/M/E <sup>i</sup>	IA	•	
<i>Petrolisthes lamarckii</i> (Leach, 1820)	H <sup>i</sup>	IWP		•
<i>Petrolisthes limicola</i> Haig, 1988	S/M/E <sup>is</sup>	NA	•	
<i>Petrolisthes militaris</i> (Heller, 1862)	H <sup>s</sup>	IWP	•	
<i>Petrolisthes moluccensis</i> (De Man, 1888)	H <sup>is</sup>	IWP		•
<i>Petrolisthes scabriculus</i> (Dana, 1852)	H <sup>s</sup>	IWP	•	•
<i>Petrolisthes teres</i> Melin, 1939	S/M/Eis	IWP	•	
<i>Pisidia dispar</i> (Stimpson, 1858)	H <sup>is</sup>	IWP	•	
<i>Pisidia gordoni</i> (Johnson, 1970)	H/S <sup>s</sup>	IWP	•	
<i>Pisidia serratifrons</i> (Stimpson, 1858)	H <sup>s</sup>	WP	•	
<i>Polyonyx biunguiculatus</i> (Dana, 1852)	H <sup>s</sup>	IWP	•	
<i>Polyonyx maccullochi</i> Haig, 1965	H/S <sup>s</sup>	NA	•	
<i>Polyonyx obesulus</i> Miers, 1884	H <sup>s</sup>	IWP	•	
<i>Polyonyx</i> sp. nov.	U	U		•
<i>Polyonyx triunguiculatus</i> Zehntner, 1894	H <sup>s</sup>	IWP	•	
<i>Porcellana habei</i> Miyake, 1961	H/EZ <sup>s</sup>	IWP	•	
<i>Porcellana nitida</i> Haswell, 1882	U <sup>s</sup>	NA	•	
<i>Raphidopus ciliatus</i> Stimpson, 1858	S <sup>is</sup>	IWP		•

Species	Habitat code	Biogeographic code	Inshore	Offshore
<b>Infraorder: Astacidea</b>				
<b>Family: Enoplometopidae</b>				
<i>Enoplometopus</i> sp.	H <sup>s</sup>	U		•
<b>Infraorder: Axiidea</b>				
<b>Family: Axiidae</b>				
<i>Axiopsis</i> sp.	U	U	•	
<i>Paraxiopsis brocki</i> (De Man, 1888)	H <sup>i</sup>	IWP	•	•
<i>Scytoleptus barbatus</i> Sakai, 2011	H <sup>is</sup>	IA	•	
<i>Scytoleptus serripes</i> Gerstaecker, 1856	H <sup>is</sup>	IWP	•	
<b>Family: Callianassidae</b>				
<i>Callianassa</i> sp.	U	U	•	•
<b>Family: Strahlaxiidae</b>				
<i>Neaxius acanthus</i> (A. Milne Edwards, 1878)	S	IWP	•	
<b>Infraorder: Achelata</b>				
<b>Family: Palinuridae</b>				
<i>Panulirus femoristriga</i> (von Martens, 1872)	H <sup>s</sup>	IWP	•	
<i>Panulirus homarus</i> (Linnaeus, 1758)	H <sup>s</sup>	IWP	•	
<i>Panulirus ornatus</i> (Fabricius, 1798)	H <sup>s</sup>	IWP	•	
<i>Panulirus polyphagus</i> (Herbst, 1793)	H <sup>s</sup>	IWP	•	
<i>Panulirus versicolor</i> (Latreille, 1804)	H <sup>s</sup>	IWP	•	•
<b>Family: Scyllaridae</b>				
<i>Biarctus sordidus</i> (Stimpson, 1860)	H <sup>s</sup>	IWP	•	
<i>Biarctus vitiensis</i> (Dana, 1852) <sup>*1</sup>	H <sup>s</sup>	IWP	•	
<i>Parribacus antarcticus</i> (Lund, 1793)	H <sup>s</sup>	C		•
<i>Petrarctus demani</i> Holthuis, 1946	H <sup>s</sup>	IWP	•	
<i>Thenus australiensis</i> Burton & Davie, 2007	H <sup>s</sup>	NA	•	
<i>Thenus orientalis</i> (Lund, 1793)	H <sup>s</sup>	IWP	•	
<b>Infraorder: Brachyura</b>				
<b>Family: Aethridae</b>				
<i>Aethra scruposa</i> (Linnaeus, 1764)	H/S <sup>s</sup>	IWP	•	
<b>Family: Aphanodactylidae</b>				
<i>Selwynia sibogae</i> (Tesch, 1918)	U/EZ <sup>s</sup>	IA	•	
<b>Family: Calappidae</b>				
<i>Calappa calappa</i> (Linnaeus, 1758)	S <sup>s</sup>	IWP	•	
<i>Calappa capellonis</i> Laurie, 1906	S <sup>s</sup>	IWP	•	
<i>Calappa clypeata</i> Borradaile, 1903	S <sup>s</sup>	IWP	•	
<i>Calappa gallus</i> (Herbst, 1803)	S <sup>s</sup>	IWP	•	
<i>Calappa hepatica</i> (Linnaeus, 1758)	S <sup>s</sup>	IP	•	•
<i>Calappa philargius</i> (Linnaeus, 1758)	S <sup>s</sup>	IWP	•	
<b>Family: Camptandriidae</b>				
<i>Baruna trigranulum</i> (Dai & Song, 1986)	S/M/E <sup>is</sup>	IWP	•	
<i>Camptandrium</i> sp. nov.	S/M/E <sup>is</sup>	U	•	
<i>Paracleistostoma wardi</i> (Rathbun, 1926)	S/M/E <sup>is</sup>	NA	•	

Species	Habitat code	Biogeographic code	Inshore	Offshore
<b>Family: Carpiliidae</b>				
<i>Carpilius convexus</i> (Forskål, 1775)	H <sup>s</sup>	IWP		•
<i>Carpilius maculatus</i> (Linnaeus, 1758)	H <sup>s</sup>	IWP	•	
<b>Family: Corystidae</b>				
<i>Gomeza bicornis</i> Gray, 1831	S <sup>s</sup>	IWP	•	
<b>Family: Cryptochiridae</b>				
<i>Cryptochirus</i> sp.	H/EZ <sup>s</sup>	U	•	
<i>Hapalocarcinus marsupialis</i> Stimpson, 1859	H/EZ <sup>s</sup>	IWP	•	•
<b>Family: Dairidae</b>				
<i>Daira perlata</i> (Herbst, 1790)	H <sup>is</sup>	IWP		•
<b>Family: Domecidae</b>				
<i>Domecia glabra</i> Alcock, 1899	H/EZ <sup>s</sup>	IWP	•	•
<i>Domecia hispida</i> Eydoux & Souleyet, 1842	H/EZ <sup>s</sup>	C		•
<b>Family: Dorippidae</b>				
<i>Dorippe quadridens</i> (Fabricius, 1793)	H/S <sup>s</sup>	IWP	•	
<i>Dorippe trilobata</i> Manning, 1993	S <sup>s</sup>	WA	•	
<i>Paradorippe australiensis</i> (Miers, 1884)	S <sup>s</sup>	IA		•
<b>Family: Dotillidae</b>				
<i>Ilyoplax strigicarpus</i> Davie, 1990	S <sup>i</sup>	NA	•	
<i>Scopimera inflata</i> A. Milne Edwards, 1873	S <sup>i</sup>	NA	•	
<i>Scopimera kochi</i> Roux, 1917	S <sup>i</sup>	IA	•	
<i>Scopimera</i> sp. nov. P.J.F. Davie, pers. comm	S <sup>i</sup>	U	•	
<i>Tmethypocoelis</i> sp.	S <sup>i</sup>	U	•	
<b>Family: Dromiidae</b>				
<i>Cryptodromia amboinensis</i> De Man, 1888	H/EZ <sup>s</sup>	IWP	•	
<i>Cryptodromia tumida</i> Stimpson, 1858	H/EZ <sup>s</sup>	IWP	•	
<i>Dromidiopsis australiensis</i> (Haswell, 1882)	H/EZ <sup>s</sup>	IA		•
<i>Petalomera?</i> sp.	H/EZ <sup>s</sup>	U		•
<i>Stimndromia lateralis</i> (Gray, 1831)	H/EZ <sup>s</sup>	IWP	•	•
<i>Tumidodromia dormia</i> (Linnaeus, 1763)	H/EZ <sup>s</sup>	IWP	•	
<b>Family: Epialtidae</b>				
<i>Hoplophrys oatesi</i> Henderson, 1893	H/EZ <sup>s</sup>	IWP	•	
<i>Huenia brevifrons</i> Ward, 1941	H/EP <sup>is</sup>	IWP		•
<i>Huenia heraldica</i> (De Haan, 1837)	H <sup>is</sup>	IA	•	
<i>Hyastenus campbelli</i> Griffin & Tranter, 1986	H/S <sup>is</sup>	IA	•	
<i>Hyastenus convexus</i> Miers, 1884	H/S <sup>s</sup>	IWP	•	
<i>Hyastenus diacanthus</i> De Haan, 1839	H/S <sup>s</sup>	IWP	•	
<i>Hyastenus elatus</i> Griffin & Tranter, 1986	H <sup>is</sup>	IA	•	
<i>Hyastenus hilgendorfi</i> De Man, 1887	S <sup>s</sup>	IWP	•	
<i>Hyastenus planasius</i> (Adams & White, 1848)	S <sup>s</sup>	IWP	•	
<i>Hyastenus scrobiculatus</i> Rathbun, 1916	S <sup>s</sup>	IA	•	
<i>Hyastenus sebae</i> White, 1847	S <sup>s</sup>	IWP	•	
<i>Hyastenus uncifer</i> Calman, 1909	H/S <sup>s</sup>	IA		•
<i>Lahaina agassizi</i> (Rathbun, 1902)	H <sup>s</sup>	IWP		•
<i>Menaethius monoceros</i> (Latreille, 1825)	H <sup>is</sup>	IWP	•	•
<i>Menaethius orientalis</i> (Sakai, 1969)	H/S <sup>s</sup>	IWP		•

Species	Habitat code	Biogeographic code	Inshore	Offshore
<i>Perinia tumida</i> Dana, 1851	H <sup>is</sup>	IWP		•
<i>Phalangipus australiensis</i> Rathbun, 1918	S <sup>s</sup>	IA	•	
<i>Phalangipus longipes</i> (Linnaeus, 1758)	S <sup>s</sup>	IWP	•	
<i>Phalangipus trachysternus</i> Griffin, 1973	S <sup>s</sup>	IA	•	
<i>Picrocerus armatus</i> A. Milne Edwards, 1865	H <sup>s</sup>	IWP	•	
<i>Thusaenys irami</i> (Laurie, 1906)	H <sup>s</sup>	IWP	•	
<i>Tylocarcinus styx</i> (Herbst, 1803)	H <sup>is</sup>	IWP		•
<i>Xenocarcinus depressus</i> Miers, 1874	H <sup>s</sup>	IWP	•	
<b>Family: Eriphiidae</b>				
<i>Dacryopilumnus rathbunae</i> Balss, 1932	H <sup>i</sup>	IWP		•
<i>Eriphia scabricula</i> Dana, 1852	H <sup>i</sup>	IWP		•
<i>Eriphia sebana</i> (Shaw & Nodder, 1803)	H <sup>i</sup>	IWP	•	•
<b>Family: Euryplacidae</b>				
<i>Eucrate crenata</i> De Haan, 1835	S <sup>s</sup>	NA	•	
<i>Eucrate haswelli</i> Campbell, 1969	S <sup>s</sup>	IWP	•	
<i>Trissoplax dentata</i> (Stimpson, 1858)	S <sup>s</sup>	IWP	•	
<b>Family: Galenidae</b>				
<i>Galene bispinosa</i> (Herbst, 1783)	S <sup>s</sup>	IWP	•	
<i>Halimede ochtodes</i> (Herbst, 1783)	S <sup>s</sup>	IWP	•	
<b>Family: Goneplacidae</b>				
<i>Carcinoplax?</i> sp.	U	U	•	
<b>Family: Grapsidae</b>				
<i>Geograpsus grayi?</i> (H. Milne Edwards, 1853)	H <sup>i</sup>	IWP	•	
<i>Grapsus albolineatus</i> Latreille in Milbert, 1812	H <sup>i</sup>	IWP	•	•
<i>Grapsus longitarsis</i> Dana, 1851	H <sup>i</sup>	IWP	•	
<i>Grapsus tenuicrustatus</i> (Herbst, 1783)	H <sup>i</sup>	IWP		•
<i>Leptograpsus</i> sp.	U	U	•	
<i>Metopograpsus frontalis</i> Miers, 1880	H <sup>i</sup>	IWP	•	
<i>Metopograpsus latifrons</i> (White, 1847)	H <sup>i</sup>	IWP	•	
<i>Metopograpsus messor</i> (Forskål, 1775)	H <sup>i</sup>	IWP	•	
<i>Metopograpsus quadridentatus</i> Stimpson, 1858	H <sup>i</sup>	IWP	•	
<i>Metopograpsus thukuhar</i> (Owen, 1839)	H <sup>i</sup>	IWP	•	
<i>Pachygrapsus minutus</i> A. Milne Edwards, 1873	H <sup>i</sup>	IWP		•
<i>Pachygrapsus plicatus</i> (H. Milne Edwards, 1837)	H <sup>i</sup>	IWP		•
<b>Family: Hymenosomatidae</b>				
<i>Elamena umerata</i> Lucas, 1980	H <sup>s</sup>	NA	•	
<i>Halicarcinus</i> sp. nov. 1	U	U	•	
<i>Halicarcinus</i> sp. nov. 2	U	U	•	
<i>Trigonoplax spathulifera</i> Lucas, 1980	H <sup>s</sup>	NA	•	
<b>Family: Incahidae</b>				
<i>Achaeus brevirostris</i> (Haswell, 1879)	S <sup>s</sup>	IWP	•	
<i>Achaeus lacertosus</i> Stimpson, 1858	S <sup>s</sup>	IWP	•	
<i>Camposcia retusa</i> (Latreille, 1829)	H <sup>s</sup>	IWP	•	•
<i>Dumea latipes</i> (Haswell, 1880)	H <sup>is</sup>	A	•	
<i>Litosus sexspinosus</i> (Miers, 1884)	H <sup>is</sup>	IWP	•	
<i>Oncinopus araneus</i> (De Haan, 1839)	H <sup>s</sup>	IWP	•	

Species	Habitat code	Biogeographic code	Inshore	Offshore
<b>Family: Leucosiidae</b>				
<i>Ebalia</i> sp.	U	U	•	
<i>Ixa acuta</i> Tyndale-Biscoe & George, 1962	H/S <sup>s</sup>	WA	•	
<i>Heteronucia venusta</i> Nobili, 1906*	H <sup>s</sup>	IWP		•
<i>Hiplyra platycheir</i> De Haan, 1841	S <sup>s</sup>	IWP	•	
<i>Leucosia anatum</i> (Herbst, 1783)	S <sup>s</sup>	IWP	•	
<i>Leucosia craniolaris</i> (Linnaeus, 1758)	S <sup>s</sup>	IWP	•	
<i>Leucosia haswelli</i> Miers, 1886	S <sup>s</sup>	IWP	•	
<i>Leucosia moresbiensis</i> Haswell, 1880	S <sup>i</sup>	IA	•	
<i>Leucosia ocellata</i> Bell, 1855	S <sup>s</sup>	IA	•	
<i>Leucosia reticulata</i> Miers, 1877	H/S <sup>is</sup>	NA	•	
<i>Myra affinis</i> Bell, 1855	S <sup>s</sup>	IWP	•	
<i>Myra australis</i> Haswell, 1880	S <sup>s</sup>	IWP	•	
<i>Myra mammillaris</i> Bell, 1855	S <sup>s</sup>	A	•	
<i>Nucia</i> sp.	U	U	•	
<i>Philyra orbicularis</i> (Bell, 1855)	S <sup>s</sup>	A	•	
<i>Seulocia laevimana</i> (Miers, 1884)	S <sup>s</sup>	NA	•	
<i>Seulocia pubescens</i> (Miers, 1877)	S/E <sup>s</sup>	WA	•	
<b>Family: Macrophthalmidae</b>				
<i>Chaenostoma boscii</i> (Audouin, 1826)	H/S/E <sup>i</sup>	IWP	•	•
<i>Macrophthalmus convexus</i> Stimpson, 1858	S/M/E <sup>i</sup>	IWP	•	
<i>Macrophthalmus crassipes</i> H. Milne Edwards, 1852	S/M/E <sup>i</sup>	IWP	•	
<i>Macrophthalmus darwinensis</i> Barnes, 1971	S/M/E <sup>i</sup>	NA	•	
<i>Macrophthalmus depressus</i> Rüppell, 1830	S/M/E <sup>i</sup>	IWP	•	
<i>Macrophthalmus gagadju</i> Davie, 2012	S/M/E <sup>i</sup>	NA	•	
<i>Macrophthalmus milloti</i> Crosnier, 1965	S <sup>is</sup>	IWP	•	
<i>Macrophthalmus</i> sp. nov.	S <sup>is</sup>	U	•	
<i>Macrophthalmus telescopicus</i> Owen, 1839	S <sup>s</sup>	IWP	•	
<i>Venitus latreillei</i> (Desmarest, 1822)	S/E <sup>i</sup>	IWP	•	
<b>Family: Majidae</b>				
<i>Anacinetops stimpsoni</i> (Miers, 1879)	S <sup>s</sup>	IP	•	
<i>Cyclax suborbicularis</i> (Stimpson, 1858)	H <sup>s</sup>	IWP	•	•
<i>Entomonyx</i> sp.	U	U		•
<i>Leptopisa australis</i> Griffin & Tranter, 1986	H <sup>s</sup>	IA	•	
<i>Micippa cristata</i> (Linnaeus, 1758)	H <sup>s</sup>	IA		•
<i>Micippa curtispina</i> Haswell, 1880	H <sup>s</sup>	IA	•	
<i>Micippa excavata</i> Lanchester, 1900	H <sup>s</sup>	IA	•	
<i>Micippa philyra</i> (Herbst, 1803)	H <sup>is</sup>	IWP	•	
<i>Micippa thalia</i> (Herbst, 1803)	H/S <sup>s</sup>	IWP	•	
<i>Paranaxia serpulifera</i> (Guérin, 1829)	H <sup>s</sup>	IA	•	
<i>Planotergum mirabile</i> Balss, 1935	S <sup>s</sup>	IA	•	
<i>Prismatopus aculeatus</i> (H. Milne Edwards, 1834)	H <sup>s</sup>	IWP	•	
<i>Prismatopus albanyensis</i> Ward, 1933	S <sup>s</sup>	IA	•	
<i>Prismatopus longispinus</i> (De Haan, 1839)	S <sup>s</sup>	IWP	•	
<i>Pseudomicippe banfieldi</i> (McCulloch, 1913)	H <sup>is</sup>	NA	•	
<i>Schizophrys aspera</i> (H. Milne Edwards, 1834)	H <sup>s</sup>	IWP	•	•
<i>Schizophrys dama</i> (Herbst, 1804)	H <sup>s</sup>	IA	•	

Species	Habitat code	Biogeographic code	Inshore	Offshore
<i>Tiarinia angusta</i> Dana, 1851	H <sup>is</sup>	IWP	●	●
<i>Tiarinia cornigera</i> (Latreille, 1825)	H <sup>is</sup>	IWP	●	●
<i>Tiarinia dana</i> Griffin & Tranter, 1986	H <sup>s</sup>	IA	●	
<i>Tiarinia garthi</i> Griffin & Tranter, 1986	H <sup>i</sup>	WA	●	
<i>Tiarinia cf. gracilis</i> Dana, 1852	H <sup>is</sup>	IWP	●	
<b>Family: Matutidae</b>				
<i>Ashtoret granulosa</i> (Miers, 1877)	S <sup>i</sup>	IWP	●	
<i>Ashtoret lunaris</i> (Forskål, 1775)	S <sup>i</sup>	IWP	●	
<i>Izanami inermis</i> (Miers, 1884)	S <sup>i</sup>	IWP	●	
<i>Matuta planipes</i> Fabricius, 1798	S <sup>i</sup>	IWP	●	
<i>Matuta victor</i> (Fabricius, 1781)	S <sup>i</sup>	IWP	●	
<b>Family: Menippidae</b>				
<i>Myomenippe fornasinii</i> (Bianconi, 1851)	S <sup>is</sup>	IWP	●	
<b>Family: Mityridae</b>				
<i>Mictyris longicarpus</i> Latreille, 1806	S <sup>i</sup>	IWP	●	
<i>Mictyris occidentalis</i> Unno, 2008	S <sup>i</sup>	WA	●	
<i>Mictyris</i> sp. nov.	S <sup>i</sup>	U	●	
<b>Family: Ocypodidae</b>				
<i>Ocypode ceratophthalmus</i> (Pallas, 1772)	S <sup>i</sup>	IWP	●	●
<i>Ocypode convexa</i> Quoy & Gaimard, 1824	S <sup>i</sup>	WA	●	
<i>Ocypode cordimana</i> Latreille, 1818	S <sup>i</sup>	IWP	●	●
<i>Ocypode fabricii</i> H. Milne Edwards, 1837	S <sup>i</sup>	IO	●	
<i>Uca capricornis</i> Crane, 1975	S/M/E <sup>i</sup>	NA	●	
<i>Uca dampieri</i> Crane, 1975	S/M/E <sup>i</sup>	NA	●	
<i>Uca dussumieri</i> (H. Milne Edwards, 1852)	S/M/E <sup>i</sup>	IWP	●	
<i>Uca elegans</i> George & Jones, 1982	S/M/E <sup>i</sup>	NA	●	
<i>Uca flammula</i> Crane, 1975	S/M/E <sup>i</sup>	NA	●	
<i>Uca hirsutimanus</i> George & Jones, 1982	S/M/E <sup>i</sup>	NA	●	
<i>Uca mjobergi</i> Rathbun, 1924	S/M/E <sup>i</sup>	NA	●	
<i>Uca polita</i> Crane, 1975	S/M/E <sup>i</sup>	NA	●	
<i>Uca seismella</i> Crane, 1975	S/M/E <sup>i</sup>	NA	●	
<i>Uca signata</i> (Hess, 1865)	S/M/E <sup>i</sup>	NA	●	
<i>Uca tetragonon</i> (Herbst, 1790)	S/M/E <sup>i</sup>	IWP		●
<i>Uca vomeris</i> McNeill, 1920	S/M/E <sup>i</sup>	NA	●	
<b>Family: Oziidae</b>				
<i>Epixanthus dentatus</i> (White, 1848)	S/M/E <sup>i</sup>	IWP	●	
<i>Epixanthus frontalis</i> (H. Milne Edwards, 1834)	S <sup>i</sup>	IWP	●	
<i>Ozius guttatus</i> H. Milne Edwards, 1834	H/S <sup>i</sup>	IWP	●	
<b>Family: Crossotonotidae</b>				
<i>Crossotonotus spinipes</i> (De Man, 1888)	H/S <sup>is</sup>	IWP	●	
<b>Family: Parthenopidae</b>				
<i>Aulacolambrus</i> sp.	U	U	●	
<i>Cryptopodia fistulosa</i> Chiong & Ng, 1994	H <sup>s</sup>	NA	●	
<i>Cryptopodia queenslandi</i> Rathbun, 1918	H/S <sup>s</sup>	IA	●	
<i>Cryptopodia spatulifrons</i> Miers, 1879	H/S <sup>s</sup>	NA	●	
<i>Daldorfia horrida</i> (Linnaeus, 1758)	H <sup>s</sup>	IWP	●	●

Species	Habitat code	Biogeographic code	Inshore	Offshore
<i>Enoplolambrus validus</i> (De Haan, 1837)	H <sup>s</sup>	IWP	•	
<i>Nodolambrus nodosus</i> (Jacquinot, in Jacquinot & Lucas, 1953)	S <sup>s</sup>	IWP	•	
<i>Pseudolambrus harpax</i> (Adams & White, 1848)	S <sup>s</sup>	IWP	•	
<i>Rhinolambrus lamelliger</i> (White, 1847)	H/S <sup>s</sup>	IWP	•	
<i>Rhinolambrus cf. longispinus</i> (Miers, 1879)	H/S <sup>s</sup>	IWP	•	
<b>Family: Percnidae</b>				
<i>Percnon abbreviatum</i> (Dana, 1851)	H <sup>s</sup>	IWP		•
<i>Percnon guinotae</i> Crosnier, 1965	H <sup>s</sup>	IWP		•
<i>Percnon planissimum</i> (Herbst, 1804)	H <sup>s</sup>	C	•	•
<b>Family: Pilumnidae</b>				
<i>Actumnus dorsipes</i> (Stimpson, 1858)	S <sup>s</sup>	IWP	•	
<i>Actumnus elegans</i> De Man, 1887	H <sup>s</sup>	IWP	•	
<i>Actumnus setifer</i> (De Haan, 1835)	H <sup>is</sup>	IWP	•	
<i>Actumnus cf. squamosus</i> (De Haan, 1835)	S <sup>s</sup>	IWP		•
<i>Bathypilumnus cf. nigrispinifer</i> (Griffin, 1970)	H <sup>s</sup>	NA	•	
<i>Benthopanope estuarium</i> Davie, 1989	S/M/E <sup>is</sup>	NA	•	
<i>Ceratocarcinus longimanus</i> White, 1847	H/EZ <sup>s</sup>	IWP	•	
<i>Echinoecus pentagonus</i> Milne Edwards, 1879	H/EZ <sup>s</sup>	IWP		•
<i>Eurycarcinus natalensis</i> (Krauss, 1843)	S/M/E <sup>i</sup>	IO	•	
<i>Gonatonotus pentagonus</i> White, 1847	H/EZ <sup>s</sup>	IWP	•	
<i>Harrovia elegans</i> De Man, 1887	H <sup>s</sup>	IWP	•	
<i>Heteropanope glabra</i> Stimpson, 1858	S/M/E <sup>i</sup>	IWP	•	
<i>Heteropanope longipedes</i> Davie, 1989	S/M/E <sup>i</sup>	IWP	•	
<i>Heteropilumnus longipes</i> (Stimpson, 1858)	H <sup>s</sup>	IWP		•
<i>Lentilumnus latimanus</i> Gordon, 1834	H <sup>s</sup>	IWP		•
<i>Lophopilumnus cristipes</i> (Calman, 1900)	H <sup>is</sup>	WP	•	
<i>Lophopilumnus globosus</i> Davie, 1988	H <sup>s</sup>	NA	•	
<i>Permanotus purpureus</i> (Gordon, 1934)	H/EZ <sup>s</sup>	IWP		•
<i>Pilumnus bleekeri</i> Miers, 1880	H <sup>s</sup>	IA	•	
<i>Pilumnus aff. guinotae</i> Takeda & Miyake, 1968	H	WP	•	
<i>Pilumnus longicornis</i> Hilgendorf, 1878	H/S <sup>s</sup>	IWP	•	•
<i>Pilumnus merudentatus</i> Nobili, 1906	H	WP		•
<i>Pilumnus minutus</i> De Haan, 1835	H/S <sup>is</sup>	IWP	•	•
<i>Pilumnus cf. orbitospinus</i> Rathbun, 1911	S <sup>s</sup>	IWP	•	
<i>Pilumnus pulcher</i> Miers, 1884	H <sup>s</sup>	NA	•	
<i>Pilumnus scabriusculus</i> Adams & White, 1849	H <sup>s</sup>	IWP		•
<i>Pilumnus semilanatus</i> Miers, 1884	H/S <sup>s</sup>	NA	•	
<i>Pilumnus vespertilio</i> (Fabricius, 1793)	H <sup>is</sup>	IWP	•	•
<i>Pseudolitochira integra</i> (Miers, 1884)	H <sup>s</sup>	U	•	
<i>Serenepilumnus pisifer</i> (MacLeay, 1838)	S <sup>is</sup>	IO	•	
<i>Serenolumnus kasijani</i> (Serène, 1969)	S	IA	•	
<i>Tiaramedon spinosum</i> (Miers, 1879)	H <sup>s</sup>	IWP		•
<i>Typhlocarcinops tonsuratus</i> Griffin & Campbell, 1969	S <sup>s</sup>	NA	•	
<i>Vellumnus labyrinthicus</i> (Miers, 1884)	H <sup>s</sup>	NA	•	
<i>Vellumnus vermiculatus</i> (A. Milne-Edwards, 1873)*	H <sup>s</sup>	IWP		•
<i>Viaderiana quadrispinosa</i> (Zehntner, 1894)	H <sup>s</sup>	IWP		•

Species	Habitat code	Biogeographic code	Inshore	Offshore
<b>Family: Pinnotheridae</b>				
<i>Arcotheres spinidactylus</i> (Gordon, 1936)	EnZ	IWP	•	
<i>Holotheres danielae</i> Ahyong, 2010	EnZ	WP	•	
<i>Nepinnotheres cardii</i> (Bürger, 1895)	EnZ	IWP	•	
<i>Nepinnotheres villosulus</i> (Guerin-Meneville, 1831)	H/EnZ <sup>i</sup>	IWP	•	
<i>Pinnixa</i> sp.	EZ	U	•	•
<i>Pinnotheres boninensis</i> Stimpson, 1858	H/EnZ <sup>i</sup>	IWP	•	
<i>Pinnotheres edwardsi</i> De Man, 1887	H/EnZ <sup>s</sup>	IWP	•	
<i>Xanthasia murihera</i> White, 1846	H/EnZ <sup>s</sup>	IWP		•
<b>Family: Plagusiidae</b>				
<i>Plagusia squamosa</i> (Herbst, 1790)	H <sup>is</sup>	IP	•	
<b>Family: Portunidae</b>				
<i>Caphyra laevis</i> (A. Milne Edwards, 1869)	H/EZ <sup>s</sup>	IWP	•	
<i>Catoptrus nitidus</i> A. Milne Edwards, 1870	H <sup>s</sup>	IWP		•
<i>Charybdis acutifrons</i> (De Man, 1879)	H <sup>s</sup>	IWP	•	
<i>Charybdis anisodon</i> (De Haan, 1850)	S <sup>s</sup>	IWP	•	
<i>Charybdis callianassa</i> (Herbst, 1789)	S <sup>s</sup>	IWP	•	•
<i>Charybdis feriata</i> (Linnaeus, 1758)	H/S <sup>s</sup>	IWP	•	
<i>Charybdis hellerii</i> (A. Milne Edwards, 1867)	H/S <sup>is</sup>	IWP	•	
<i>Charybdis jaubertensis</i> Rathbun, 1924	S <sup>is</sup>	WA	•	
<i>Charybdis natator</i> (Herbst, 1794)	H/S <sup>is</sup>	IWP	•	
<i>Lissocarcinus orbicularis</i> Dana, 1852	H/S/EZ <sup>s</sup>	IWP		•
<i>Lissocarcinus polybioides</i> Adams & White, 1849	S <sup>s</sup>	IWP	•	
<i>Monomia rubromarginatas</i> (Lanchester, 1900)	S <sup>s</sup>	IWP	•	
<i>Podophthalmus vigil</i> (Fabricius, 1798)	S <sup>s</sup>	IWP	•	
<i>Portunus armatus</i> (Linnaeus, 1758)	S/E <sup>is</sup>	IWP	•	
<i>Portunus australiensis</i> Stephenson & Cook, 1973	S <sup>s</sup>	WA	•	
<i>Portunus curvipenis</i> Stephenson, 1961	S <sup>s</sup>	WA	•	
<i>Portunus gracilimanus</i> (Stimpson, 1858)	S <sup>s</sup>	IWP	•	
<i>Portunus granulatus granulatus</i> (H. Milne Edwards, 1834)	S <sup>s</sup>	IWP	•	•
<i>Portunus hastatoides</i> Fabricius, 1798	S <sup>s</sup>	IWP	•	
<i>Portunus longispinosus longispinosus</i> (Dana, 1852)	H/S <sup>s</sup>	IWP		•
<i>Portunus rugosus</i> (A. Milne Edwards, 1861)	S <sup>s</sup>	IWP	•	
<i>Portunus sanguinolentus sanguinolentus</i> (Herbst, 1783)	S <sup>s</sup>	IWP	•	
<i>Portunus tenuipes</i> (De Haan, 1835)	S <sup>s</sup>	IWP	•	
<i>Scylla olivacea</i> (Herbst, 1796)	S/M/E <sup>is</sup>	IWP	•	
<i>Scylla serrata</i> (Forskål, 1775)	S/M/E <sup>is</sup>	IWP	•	
<i>Thalamita admete</i> (Herbst, 1803)	H <sup>is</sup>	IWP	•	•
<i>Thalamita annulipes</i> Stephenson & Hudson, 1957	H <sup>is</sup>	WA	•	
<i>Thalamita bouvieri</i> Nobili, 1906	S <sup>is</sup>	IWP	•	
<i>Thalamita coeruleipes</i> Hombron & Jacquinot, 1846	H <sup>is</sup>	IWP		•
<i>Thalamita cooperi</i> Borradaile, 1902	S <sup>is</sup>	IO	•	•
<i>Thalamita crenata</i> Rüppell, 1830	S/M/E <sup>i</sup>	IWP	•	
<i>Thalamita danae</i> Stimpson, 1858	H/S <sup>s</sup>	IWP	•	
<i>Thalamita demani</i> Nobili, 1905	H/S <sup>is</sup>	IWP		•
<i>Thalamita intermedia</i> Miers, 1886	H <sup>is</sup>	NA	•	
<i>Thalamita malaccensis</i> Gordon, 1938	H/S <sup>s</sup>	IA	•	

Species	Habitat code	Biogeographic code	Inshore	Offshore
<i>Thalamita picta</i> Stimpson, 1858	H <sup>is</sup>	IWP		•
<i>Thalamita prymna</i> (Herbst, 1803)	H <sup>is</sup>	IWP	•	•
<i>Thalamita quadrilobata</i> Miers, 1884	H <sup>s</sup>	IWP	•	
<i>Thalamita sima</i> H. Milne Edwards, 1834	S <sup>is</sup>	IWP	•	•
<i>Thalamita spinifera</i> Borradaile, 1902	H <sup>s</sup>	IWP	•	•
<i>Thalamita spinimana</i> Dana, 1852	H/S <sup>is</sup>	IWP	•	
<i>Thalamitoides tridens</i> A. Milne Edwards, 1869	S/M/E <sup>is</sup>	IWP		•
<b>Family: Pseudoziidae</b>				
<i>Pseudozius caystrus</i> (Adams & White, 1849)	H <sup>i</sup>	IWP		•
<b>Family: Sesarmidae</b>				
<i>Clistocoeloma merguiensis</i> De Man, 1888	S/M/E <sup>i</sup>	IWP	•	
<i>Clistocoeloma</i> sp. nov.	U	U	•	
<i>Metasesarma</i> sp.	U	U	•	
<i>Nanosesarma minutum</i> (De Man, 1887)	H <sup>is</sup>	IWP	•	
<i>Neosarmatium meinerti</i> (De Man, 1887)	S/M/E <sup>i</sup>	IWP	•	
<i>Parasesarma erythodactyla</i> (Hess, 1865)	S/M/E <sup>i</sup>	A	•	
<i>Parasesarma moluccensis</i> De Man, 1892	S/M/E <sup>i</sup>	IA	•	
<i>Parasesarma</i> sp. nov.	S/M/E <sup>i</sup>	U	•	
<i>Perisesarma darwinense</i> (Campbell, 1967)	S/M/E <sup>i</sup>	NA	•	
<i>Perisesarma messa</i> (Campbell, 1967)	S/M/E <sup>i</sup>	NA	•	
<i>Perisesarma semperi</i> (Bürger, 1893)	S/M/E <sup>i</sup>	IWP	•	
<i>Sarmatium germaini</i> (A. Milne Edwards, 1869)	S/M/E <sup>i</sup>	IWP	•	
<i>Sarmatium hegerli</i> Davie, 1992	S/M/E <sup>i</sup>	NA	•	
<i>Selatium brockii</i> (De Man, 1887)	S/M/E <sup>i</sup>	IWP	•	
<i>Sesarmoides borneensis</i> (Tweedie, 1950)	S/M/E <sup>i</sup>	IA	•	
<b>Family: Tetraliidae</b>				
<i>Tetralia cinctipes</i> Paul'son, 1875	H/EZ <sup>s</sup>	IWP		•
<i>Tetralia glaberrima</i> (Herbst, 1790)	H/EZ <sup>s</sup>	IWP	•	•
<i>Tetralia nigrolineata</i> Serène & Pham, 1957	H/EZ <sup>s</sup>	IWP	•	•
<i>Tetralia rubridactyla</i> Garth, 1971	H/EZ <sup>s</sup>	IWP	•	•
<i>Tetraloides heterodactylus</i> (Heller, 1861)	H/EZ <sup>s</sup>	IWP		•
<i>Tetraloides nigrifrons</i> (Dana, 1862)	H/EZ <sup>s</sup>	IWP		•
<b>Family: Trapeziidae</b>				
<i>Trapezia areolata</i> (Dana, 1852)*	H/EZ <sup>s</sup>	IWP		•
<i>Trapezia bidentata</i> (Forskål, 1775)	H/EZ <sup>s</sup>	IWP		•
<i>Trapezia cymodoce</i> (Herbst, 1801)	H/EZ <sup>s</sup>	IWP	•	•
<i>Trapezia digitalis</i> Latreille, 1828	H/EZ <sup>s</sup>	IWP		•
<i>Trapezia flavopunctata</i> Eydoux & Souleyet, 1842	H/EZ <sup>s</sup>	IWP		•
<i>Trapezia guttata</i> Rüppell, 1830	H/EZ <sup>s</sup>	IWP	•	•
<i>Trapezia lutea</i> Castro, 1997	H/EZ <sup>s</sup>	IWP		•
<i>Trapezia rufopunctata</i> (Herbst, 1799)	H/EZ <sup>s</sup>	IWP		•
<i>Trapezia septata</i> Dana, 1852	H/EZ <sup>s</sup>	IWP	•	•
<i>Trapezia serenei</i> Odinetz, 1984	H/EZ <sup>s</sup>	WP	•	•
<i>Trapezia tigrina</i> Eydoux & Souleyet, 1842	H/EZ <sup>s</sup>	IWP		•
<b>Family: Varunidae</b>				
<i>Pseudograpsus elongatus</i> (A. Milne Edwards, 1873)	H <sup>is</sup>	IWP		•

Species	Habitat code	Biogeographic code	Inshore	Offshore
<b>Family: Xanthidae</b>				
<i>Actaea calculosa</i> (H. Milne Edwards, 1834)	H <sup>i</sup>	IWP	•	
<i>Actaea glandifera</i> Rathbun, 1914	H <sup>i</sup>	WA	•	
<i>Actaea peronii</i> (H. Milne Edwards, 1834)	H <sup>i</sup>	A	•	
<i>Actaea polyacantha</i> (Heller, 1861)	H <sup>i</sup>	IWP	•	•
<i>Actaea savignyi</i> (H. Milne-Edwards, 1834)	H <sup>i</sup>	IWP	•	
<i>Actaeodes consobrinus</i> (A. Milne Edwards, 1873)	H <sup>i</sup>	IWP		•
<i>Actaeodes hirsutissimus</i> (Rüppell, 1830)	H <sup>i</sup>	IWP		•
<i>Actaeodes mutatus</i> Guinot, 1976	H <sup>is</sup>	IWP	•	
<i>Actaeodes tomentosus</i> (H. Milne Edwards, 1834)	H <sup>i</sup>	IWP		•
<i>Atergatis floridus</i> (Linnaeus, 1767)	H <sup>is</sup>	IWP	•	•
<i>Atergatis integerrimus</i> (Lamarck, 1801)	H <sup>is</sup>	IWP	•	
<i>Atergatopsis</i> sp. 1	U	U		•
<i>Banareia armata</i> A. Milne Edwards, 1869	H <sup>s</sup>	IWP		•
<i>Calvactaea tumida</i> Ward, 1933	H/EZ <sup>s</sup>	IWP		•
<i>Chlorodiella barbata</i> (Borradaile, 1900)	H <sup>is</sup>	IWP		•
<i>Chlorodiella corallicola</i> Miyake & Takeda, 1968	H/EZ <sup>s</sup>	WP		•
<i>Chlorodiella cytherea</i> (Dana, 1852)	H <sup>is</sup>	IWP		•
<i>Chlorodiella laevissima</i> (Dana, 1852)	H <sup>is</sup>	IWP		•
<i>Chlorodiella nigra</i> (Forskål, 1775)	H <sup>is</sup>	IWP	•	
<i>Chlorodiella xishaensis</i> Chen & Lan, 1978	H <sup>s</sup>	IWP		•
<i>Cyclodius granulatus</i> (Targioni Tozzetti, 1877)	H <sup>s</sup>	IWP		•
<i>Cyclodius granulosus</i> De Man, 1888	H <sup>is</sup>	IWP		•
<i>Cyclodius nitidus</i> (Dana, 1852)*	H <sup>is</sup>	IWP		•
<i>Cyclodius obscurus</i> (Hombron & Jacquinot, 1846)	H <sup>is</sup>	IWP		•
<i>Cyclodius unguilatus</i> (H. Milne Edwards, 1834)	H <sup>is</sup>	IWP		•
<i>Cymo andreossyi</i> (Audouin, 1826)*	H/EZ <sup>s</sup>	IWP		•
<i>Cymo cerasma</i> Morgan, 1990	H/EZ <sup>s</sup>	IA	•	
<i>Cymo deplanatus</i> A. Milne Edwards, 1873	H <sup>s</sup>	IWP		•
<i>Cymo melanodactylus</i> Dana, 1852	H <sup>s</sup>	IWP		•
<i>Cymo quadrilobatus</i> Miers, 1884	H <sup>s</sup>	IWP		•
<i>Epiactaeodes pictus</i> (Zehntner, 1894)	H <sup>is</sup>	IO		•
<i>Etisus anaglyptus</i> H. Milne Edwards, 1834	H <sup>is</sup>	IWP	•	
<i>Etisus australis</i> (Ward, 1936)	H <sup>s</sup>	NA	•	
<i>Etisus demani</i> Odhner, 1925	H <sup>is</sup>	IWP	•	•
<i>Etisus dentatus</i> (Herbst, 1785)	H <sup>s</sup>	IWP		•
<i>Etisus electra</i> (Herbst, 1801)	H <sup>is</sup>	IWP		•
<i>Etisus laevimanus</i> Randall, 1840	H <sup>i</sup>	IWP	•	
<i>Etisus utilis?</i> Jacquinot, in Jacquinot & Lucas, 1853	H <sup>s</sup>	IWP		•
<i>Etisus cf. waialuanus</i> (Rathbun, 1906)	H <sup>is</sup>	IWP	•	
<i>Euxanthus exsculptus</i> (Herbst, 1790)	H <sup>is</sup>	IWP	•	•
<i>Euxanthus huonii</i> (Hombron & Jacquinot, 1846)	H <sup>is</sup>	IWP	•	•
<i>Forestiana scabra</i> (Odhner, 1925)	H <sup>s</sup>	IWP	•	
<i>Gailliardiellus orientalis</i> (Odhner, 1925)*	H <sup>is</sup>	IWP		•
<i>Gailliardiellus rueppelli</i> (Krauss, 1843)	H/S <sup>is</sup>	IWP	•	
<i>Hypocolpus abbotti</i> (Rathbun, 1894)	H <sup>s</sup>	IWP		•
<i>Hypocolpus kurodai</i> Takeda, 1980	H <sup>s</sup>	IWP		•
<i>Lachnopodus subacutus</i> (Stimpson, 1858)	H <sup>s</sup>	IWP		•

Species	Habitat code	Biogeographic code	Inshore	Offshore
<i>Leptodius exaratus</i> (H. Milne Edwards, 1834)	H/S <sup>i</sup>	IWP	•	•
<i>Leptodius gracilis</i> (Dana, 1852)	H <sup>i</sup>	IWP		•
<i>Leptodius nudipes</i> (Dana, 1852)	H <sup>i</sup>	IWP		•
<i>Leptodius sanguineus</i> (H. Milne Edwards, 1834)	H <sup>i</sup>	IWP	•	•
<i>Liocarpilodes armiger</i> (Nobili, 1905)	H <sup>i</sup>	IO		•
<i>Liomera cinctimana</i> (White, 1847)	H <sup>is</sup>	IWP		•
<i>Liomera edwardsi</i> Kossmann, 1877	H/S <sup>is</sup>	IWP		•
<i>Liomera laevis</i> (A. Milne Edwards, 1873)	H <sup>s</sup>	IWP		•
<i>Liomera monticulosa</i> (A. Milne Edwards, 1873)	H <sup>i</sup>	IWP		•
<i>Liomera pallida</i> (Borradaile, 1900)	H <sup>is</sup>	IWP	•	
<i>Liomera rubra</i> (A. Milne Edwards, 1865)	H <sup>is</sup>	IWP		•
<i>Liomera rugata</i> (H. Milne Edwards, 1834)	H <sup>s</sup>	IWP		•
<i>Liomera stimpsonii</i> (A. Milne Edwards, 1865)	H <sup>s</sup>	IWP		•
<i>Liomera tristis</i> (Dana, 1852)	H <sup>is</sup>	IWP		•
<i>Liomera venosa</i> (H. Milne Edwards, 1834)	H <sup>is</sup>	IWP		•
<i>Lophozozymus</i> cf. <i>evestigatus</i> Guinot, 1977	H <sup>s</sup>	IWP		•
<i>Lophozozymus pictor</i> (Fabricius, 1798)	H <sup>is</sup>	IWP		•
<i>Lybia tessellata</i> (Latreille, 1812)	H <sup>s</sup>	IWP		•
<i>Macromedaeus crassimanus</i> (A. Milne Edwards, 1867)	H <sup>is</sup>	IWP		•
<i>Medaeops granulosus</i> (Haswell, 1882)	H <sup>is</sup>	IWP	•	
<i>Medaeus</i> sp.	U	U	•	
<i>Miersiella haswelli</i> (Miers, 1886)	H <sup>s</sup>	IWP		•
<i>Nanocassiope alcocki</i> (Rathbun, 1902)	H <sup>s</sup>	IWP		•
<i>Neoliomera insularis</i> (Adams & White, 1849)	H <sup>is</sup>	IWP		•
<i>Neoxanthias impressus</i> (Latreille in Milbert, 1812)	H <sup>is</sup>	IWP		•
<i>Neoxanthops</i> sp.	U	U	•	
<i>Palapedia integra</i> (De Haan, 1835)	S <sup>s</sup>	IWP	•	•
<i>Palapedia marquesa?</i> (Serène, 1972)	H/S <sup>s</sup>	IWP		•
<i>Palapedia</i> sp. nov.	U	U		•
<i>Paractaea rufopunctata</i> (H. Milne Edwards, 1834)	H <sup>is</sup>	C		•
<i>Paramedaeus simplex</i> (A. Milne Edwards, 1873)	H <sup>s</sup>	IWP		•
<i>Paraxanthias elegans</i> (Stimpson, 1858)	H <sup>is</sup>	IWP		•
<i>Paraxanthias notatus</i> (Dana, 1852)	H <sup>is</sup>	IWP		•
<i>Paraxanthias pachydactylus</i> (A. Milne Edwards, 1867)	H <sup>is</sup>	IWP		•
<i>Pilodius areolatus</i> (H. Milne Edwards, 1834)	H <sup>is</sup>	IWP		•
<i>Pilodius cephalalgicus</i> Clark & Galil, 1993	H <sup>s</sup>	IA		•
<i>Pilodius granulatus</i> Stimpson, 1858	H <sup>s</sup>	WP	•	•
<i>Pilodius</i> cf. <i>philippinensis</i> (Ward, 1941)	H <sup>s</sup>	IWP		•
<i>Pilodius pilumnoides</i> (White, 1848)	H <sup>is</sup>	IWP	•	•
<i>Platypodia</i> cf. <i>anaglypta</i> (Heller, 1861)	H <sup>is</sup>	IWP		•
<i>Platypodia eydouxi</i> (A. Milne Edwards, 1865)	H	IWP		•
<i>Platypodia granulosa</i> (Rüppell, 1830)	H <sup>is</sup>	IWP		•
<i>Platypodia pseudogranulosa</i> Serène, 1984	H <sup>is</sup>	IWP		•
<i>Platypodia</i> cf. <i>semigranosa</i> (Heller, 1861)	H <sup>is</sup>	IWP		•
<i>Polydectes cupulifer</i> (Latreille in Milbert, 1812)	H <sup>is</sup>	IWP		•
<i>Psaumis cavipes?</i> (Dana, 1852)	H <sup>s</sup>	IWP		•
<i>Pseudoliomera granosimana</i> (A. Milne Edwards, 1865)	H <sup>i</sup>	IWP		•
<i>Pseudoliomera helleri</i> (A. Milne Edwards, 1865)	H <sup>s</sup>	IWP		•

Species	Habitat code	Biogeographic code	Inshore	Offshore
<i>Pseudoliomera speciosa</i> (Dana, 1852)	H <sup>i</sup>	IWP		•
<i>Serenius</i> sp.	U	U	•	
<i>Soliella flava</i> (Rathbun, 1894)	H <sup>s</sup>	IWP	•	•
<i>Soliella pubescens</i> (Dana, 1852)	H <sup>s</sup>	WP	•	
<i>Soliella spinipes</i> (Heller, 1861)	H <sup>s</sup>	IO	•	
<i>Tweedieia odhneri</i> (Gordon, 1934)	H <sup>s</sup>	IWP	•	•
<i>Xanthias lamarcki</i> (H. Milne Edwards, 1834)*	H <sup>is</sup>	IWP		•
<i>Zalasius horii</i> Miyake, 1940	H <sup>is</sup>	IWP	•	
<i>Zosimus aeneus</i> (Linnaeus, 1758)	H <sup>is</sup>	IWP	•	•
<i>Zozymodes cavipes</i> (Dana, 1852)	H <sup>i</sup>	IWP		•
<b>Infraorder: Caridea</b>				
<b>Family: Alpheidae</b>				
<i>Alpheopsis aequalis</i> Coutière, 1896	H <sup>i</sup>	IWP		•
<i>Alpheus acutofemoratus</i> Dana, 1852	H <sup>is</sup>	IWP	•	•
<i>Alpheus amirantei sizou</i> Banner & Banner, 1967	H <sup>is</sup>	IWP	•	
<i>Alpheus australiensis</i> Banner & Banner, 1982	S/E <sup>is</sup>	NA	•	
<i>Alpheus balaenodigitus</i> Banner & Banner, 1982	S <sup>is</sup>	NA		•
<i>Alpheus batesi</i> Banner & Banner, 1964	U	IA		•
<i>Alpheus bidens</i> (Olivier, 1811)	H <sup>is</sup>	IWP	•	•
<i>Alpheus bouvieri</i> A. Milne Edwards, 1878*†	H/S <sup>is</sup>	AT		•
<i>Alpheus brevirostris</i> (Olivier, 1811)	S <sup>s</sup>	IWP	•	
<i>Alpheus bucephalus</i> Coutière, 1905	H <sup>is</sup>	IWP	•	•
<i>Alpheus chiragricus</i> H. Milne Edwards, 1837	H <sup>is</sup>	IWP	•	
<i>Alpheus collumianus</i> Stimpson, 1860	H <sup>is</sup>	IWP		•
<i>Alpheus cristatus</i> Coutière, 1897	H <sup>is</sup>	IO	•	
<i>Alpheus dentipes</i> (Guérin-Méneville, 1832)* †	H/S <sup>s</sup>	AT		•
<i>Alpheus deuteronotus</i> Hilgendorf, 1879*	H <sup>is</sup>	IWP		•
<i>Alpheus diadema</i> Dana, 1852	H <sup>is</sup>	IWP		•
<i>Alpheus dolerus</i> Banner, 1956	H <sup>is</sup>	IWP		•
<i>Alpheus edamensis</i> De Man, 1888	H/S <sup>is</sup>	IWP		•
<i>Alpheus edwardsii</i> (Audouin, 1827)	H/S <sup>is</sup>	IWP	•	
<i>Alpheus eulimene</i> De Man, 1909	H <sup>is</sup>	IWP	•	•
<i>Alpheus facetus</i> De Man, 1908	H <sup>is</sup>	IWP	•	
<i>Alpheus frontalis</i> H. Milne Edwards, 1837	H <sup>is</sup>	IWP		•
<i>Alpheus gracilipes</i> Stimpson, 1861	H <sup>is</sup>	IWP	•	
<i>Alpheus gracilis</i> Heller, 1861	H <sup>s</sup>	IWP		•
<i>Alpheus hailstonei</i> Coutière, 1905	S <sup>s</sup>	IWP		•
<i>Alpheus cf. lanceloti</i> Coutière, 1905	S <sup>s</sup>	IO		•
<i>Alpheus leviusculus</i> leviusculus Dana, 1852	H/S <sup>is</sup>	IWP	•	•
<i>Alpheus lobidens</i> De Haan, 1844	H/S <sup>is</sup>	IWP		•
<i>Alpheus lottini</i> Guérin-Méneville, 1829	H <sup>is</sup>	IWP	•	•
<i>Alpheus malleodigitus</i> (Bate, 1888)	H <sup>is</sup>	IWP	•	
<i>Alpheus microstylus</i> (Bate, 1888)	H <sup>is</sup>	IWP		•
<i>Alpheus novaezealandiae</i> Miers, 1878	H <sup>is</sup>	IWP	•	
<i>Alpheus obesomanus</i> Dana, 1852	H <sup>is</sup>	IWP	•	•
<i>Alpheus ovaliceps</i> Coutière, 1905	H <sup>is</sup>	IWP		•
<i>Alpheus pachycheirus</i> Stimpson, 1861	H/EP <sup>is</sup>	IWP		•
<i>Alpheus pacificus</i> Dana, 1852	H/S <sup>is</sup>	IP		•

Species	Habitat code	Biogeographic code	Inshore	Offshore
<i>Alpheus paracrinitus</i> Miers, 1881	H <sup>is</sup>	C		•
<i>Alpheus paralcyone</i> Coutière, 1905	H <sup>s</sup>	IWP	•	•
<i>Alpheus pareuchirus</i> Coutière, 1905	H <sup>is</sup>	IWP	•	•
<i>Alpheus parvirostris</i> Dana, 1852	H <sup>is</sup>	IWP	•	
<i>Alpheus serenei</i> Tiwari, 1963	H <sup>is</sup>	IWP	•	
<i>Alpheus spongiarum</i> Coutière, 1897	H <sup>is</sup>	IWP	•	
<i>Alpheus strenuus crenmus</i> Banner & Banner, 1982	H/S/E <sup>is</sup>	NA	•	
<i>Alpheus strenuus strenuus</i> Dana, 1852	S <sup>is</sup>	IWP	•	•
<i>Alpheus sulcatus</i> Kingsley, 1878	H <sup>is</sup>	C	•	•
<i>Alpheus villosus</i> (Olivier, 1811)	H <sup>is</sup>	IWP	•	
<i>Arete dorsalis</i> Stimpson, 1861	H/EZ <sup>is</sup>	IWP		•
<i>Arete indicus</i> (Coutiere, 1903)	H/EZ <sup>is</sup>	IWP		•
<i>Aretopsis amabilis</i> De Man, 1910	H/EZ <sup>is</sup>	IWP		•
<i>Athanas areteformis</i> Coutière, 1903	H <sup>is</sup>	IWP		•
<i>Athanas dimorphus</i> Ortmann, 1894	H <sup>is</sup>	IWP	•	
<i>Athanas djiboutensis</i> Coutière, 1897	H <sup>is</sup>	IWP		•
<i>Athanas parvus</i> De Man, 1910	H <sup>is</sup>	IWP	•	•
<i>Automate dolichognatha</i> De Man, 1888	H <sup>is</sup>	C	•	•
<i>Betaeopsis indica</i> (De Man, 1910)	U	IO		•
<i>Macrocheles</i> sp.	U	U	•	
<i>Metalpheus paragracilis</i> (Coutière, 1897)	H <sup>is</sup>	C		•
<i>Racilius compressus</i> Paul'son, 1875	H/EZ <sup>s</sup>	IWP	•	
<i>Salmoneus serratidigitus</i> (Coutière, 1896)	H <sup>i</sup>	IP		•
<i>Synalpheus ancistrorhynchus</i> De Man, 1909	H <sup>is</sup>	IWP	•	
<i>Synalpheus bituberculatus</i> De Man, 1910	H/S <sup>is</sup>	IWP	•	
<i>Synalpheus comatularum</i> (Haswell, 1882)	H/EZ <sup>is</sup>	IWP	•	•
<i>Synalpheus coutierei</i> Banner, 1953	H <sup>is</sup>	IP	•	•
<i>Synalpheus demani</i> Borradaile, 1900	H <sup>s</sup>	IWP		•
<i>Synalpheus echinus</i> Banner & Banner, 1975	H <sup>is</sup>	WA		•
<i>Synalpheus fossor</i> (Paul'son, 1875)	H <sup>s</sup>	IWP	•	
<i>Synalpheus gracilirostris</i> De Man, 1910	H <sup>is</sup>	IWP	•	•
<i>Synalpheus harpagatus</i> Banner & Banner, 1975	H <sup>is</sup>	A	•	
<i>Synalpheus hastilicrassus</i> Coutière, 1905	H <sup>is</sup>	IWP	•	•
<i>Synalpheus lophodactylus</i> Coutière, 1908	H <sup>is</sup>	IWP	•	
<i>Synalpheus neomeris</i> (De Man, 1897)	H <sup>is</sup>	IWP	•	•
<i>Synalpheus neptunus</i> Dana, 1852	H <sup>is</sup>	IWP	•	
<i>Synalpheus pococki</i> Coutière, 1898	H <sup>s</sup>	IA	•	
<i>Synalpheus readi</i> Banner & Banner, 1972	H/EZ <sup>s</sup>	IA		•
<i>Synalpheus sciro</i> Banner & Banner, 1975	S <sup>s</sup>	IA	•	
<i>Synalpheus stimpsonii</i> (De Man, 1888)	H/EZ <sup>is</sup>	IWP	•	•
<i>Synalpheus streptodactylus</i> Coutière, 1905	H <sup>is</sup>	IWP	•	•
<i>Synalpheus tumidomanus</i> (Paul'son, 1875)	H <sup>is</sup>	IWP	•	•
<b>Family: Crangonidae</b>				
<i>Philocheras parvirostris</i> (Kemp, 1916)	S <sup>s</sup>	IO		•
<b>Family: Disciadidae</b>				
<i>Discias exul</i> Kemp, 1920	H/EZ <sup>is</sup>	IWP		•

Species	Habitat code	Biogeographic code	Inshore	Offshore
<b>Family: Eugonatonotidae</b>				
<i>Eugonatonotus</i> sp.	U	U		•
<b>Family: Gnathophyllidae</b>				
<i>Gnathophyllum americanum</i> Guerin-Meneville, 1856	H <sup>s</sup>	C		•
<b>Family: Hippolytidae</b>				
<i>Alope</i> sp.*	U	U		•
<i>Gelastocaris paronae</i> (Nobili, 1905)	H/S/EZ <sup>s</sup>	IWP	•	
<i>Hippolyte</i> sp. nov.	U	U	•	
<i>Lysmata ternatensis</i> De Man, 1902	H/S <sup>i</sup>	IWP		•
<i>Lysmata vittata</i> (Stimpson, 1860)	S <sup>is</sup>	IWP	•	
<i>Paralatreutes bicornis</i> Kemp, 1925	U	IWP	•	
<i>Phycocaris</i> sp.	U	U	•	
<i>Saron marmoratus</i> (Olivier, 1811)	H <sup>is</sup>	IWP	•	•
<i>Saron neglectus</i> De Man, 1902	H/S <sup>is</sup>	IWP		•
<i>Thinora maldivensis</i> (Borradaile, 1917)	H <sup>i</sup>	IWP		•
<i>Thor amboinensis</i> De Man, 1888	H/EZ <sup>s</sup>	C	•	•
<i>Thor margitiae</i> Bruce, 1978	H/S <sup>is</sup>	NA	•	•
<i>Thor paschalalis</i> Heller, 1862	H <sup>is</sup>	IWP	•	
<i>Thor spinipes</i> Bruce, 1983	S <sup>is</sup>	NA	•	
<i>Thor spinosus</i> Boone, 1935	H	IWP	•	
<i>Thorella cobourgi</i> Bruce, 1982	S <sup>is</sup>	NA	•	
<b>Family: Ogyrididae</b>				
<i>Ogyrides</i> sp.	S <sup>s</sup>	U		•
<b>Family: Palaemonidae</b>				
<i>Anchistus australis</i> Bruce, 1977	H/EZ <sup>is</sup>	IWP		•
<i>Anchistus custos</i> (Forskål, 1775)	H/EZ <sup>is</sup>	IWP	•	
<i>Anchistus miersi</i> (De Man, 1888)	H/EZ <sup>is</sup>	IWP	•	•
<i>Ancylomenes venustus</i> (Bruce, 1990)	H/EZ <sup>s</sup>	IWP	•	
<i>Araiopontonia</i> sp.	U	U		•
<i>Climeniperaeus orbitospinatus</i> (Bruce, 1969)	H/EZ <sup>s</sup>	IA		•
<i>Conchodytes meleagrinus</i> Peters, 1852	H/EZ <sup>is</sup>	IWP		•
<i>Coralliocaris graminea</i> (Dana, 1852)	H/EZ <sup>is</sup>	IWP	•	
<i>Coralliocaris venusta</i> Kemp, 1922	H/EZ <sup>is</sup>	IWP		•
<i>Coralliocaris viridis</i> Bruce, 1974	H/EZ <sup>is</sup>	IWP	•	
<i>Cuapetes amymone</i> (De Man, 1902)	H/EZ <sup>is</sup>	IWP	•	•
<i>Cuapetes anacanthus</i> (Bruce, 1988)	S <sup>s</sup>	WA	•	
<i>Cuapetes elegans</i> (Paul'son, 1875)	H/S <sup>is</sup>	IWP	•	
<i>Cuapetes grandis</i> (Stimpson, 1860)	H <sup>is</sup>	IWP	•	
<i>Cuapetes seychellensis</i> (Borradaile, 1915)	H <sup>s</sup>	IWP	•	
<i>Cuapetes suvadivensis</i> (Borradaile, 1915)	S <sup>i</sup>	IO	•	
<i>Cuapetes tenuipes</i> (Borradaile, 1898)	H <sup>is</sup>	IWP	•	•
<i>Dasydaris zanzibarica</i> Bruce, 1973	H/EZ <sup>is</sup>	IWP	•	•
<i>Exoclimenella maldivensis</i> Duriš & Bruce, 1995	H <sup>s</sup>	IO	•	•
<i>Exopontonia malleatrix</i> Bruce, 1988	H <sup>s</sup>	IO		•
<i>Hamodactylus boschmai</i> Holthuis, 1952	H/EZ <sup>is</sup>	IWP	•	
<i>Hamodactylus noumeae</i> Bruce, 1970	H/EZ <sup>is</sup>	IWP	•	•

Species	Habitat code	Biogeographic code	Inshore	Offshore
<i>Hamopontonia corallicola</i> Bruce, 1970	H/EZ <sup>is</sup>	IWP	•	
<i>Harpiliopsis beaupresii</i> (Audouin, 1826)	H/EZ <sup>is</sup>	IP	•	•
<i>Harpiliopsis depressa</i> (Stimpson, 1860)	H/EZ <sup>is</sup>	IP		•
<i>Harpilius bayeri</i> (Holthuis, 1981)	H <sup>is</sup>	WP		•
<i>Harpilius consobrinus</i> De Man, 1902	H/EZ <sup>is</sup>	IWP		•
<i>Ischnopontonia lophos</i> (Barnard, 1962)	H/EZ <sup>is</sup>	IWP	•	
<i>Jocaste japonica</i> (Ortmann, 1890)	H/EZ <sup>s</sup>	IWP		•
<i>Jocaste lucina</i> (Nobili, 1901)	H/EZ <sup>s</sup>	IWP		•
<i>Leander tenuicornis</i> (Say, 1818)	S/P <sup>is</sup>	C	•	•
<i>Leandrites celebensis</i> (De Man, 1881)	S <sup>is</sup>	IWP		•
<i>Macrobrachium equidens</i> (Dana, 1852)	S/E <sup>s</sup>	IWP		•
<i>Macrobrachium novaehollandiae</i> (De Man, 1908)	S/E <sup>s</sup>	NA		•
<i>Manipontonia psamathe</i> (De Man, 1902)	H/EZ <sup>s</sup>	IWP	•	
<i>Neopontonides</i> sp.*	U	U		•
<i>Orthopontonia ornata</i> (Bruce, 1970)	H/EZ <sup>is</sup>	IWP		•
<i>Palaemon semimelinkii</i> (De Man, 1881)	S/E <sup>is</sup>	IWP	•	
<i>Palaemon serrifer</i> (Stimpson, 1860)	H/S/E <sup>is</sup>	IWP	•	
<i>Palaemonella crosnieri</i> Bruce, 1978	H <sup>s</sup>	IO		•
<i>Palaemonella potti</i> (Borradaile, 1915)	H/EZ <sup>s</sup>	IWP	•	•
<i>Palaemonella rotumana</i> (Borradaile, 1898)	H <sup>is</sup>	IWP	•	•
<i>Palaemonetes atrinubes</i> Bray, 1976	S/E <sup>is</sup>	IWP	•	
<i>Paranchistus</i> sp.	U	U		•
<i>Periclimenaeus hecate</i> (Nobili, 1904)	H/EZ <sup>s</sup>	IWP	•	•
<i>Periclimenaeus kottae</i> Bruce, 2005	H/EZ <sup>s</sup>	WA		•
<i>Periclimenaeus matherae</i> Bruce, 2005	H/EZ <sup>s</sup>	WA		•
<i>Periclimenaeus minutus</i> Holthuis, 1952	H/EZ <sup>s</sup>	IWP	•	
<i>Periclimenaeus</i> sp. nov.	U	U	•	
<i>Periclimenella spinifera</i> (De Man, 1902)	H <sup>is</sup>	IWP	•	•
<i>Periclimenes alegrias</i> Bruce, 1986	H/EZ <sup>s</sup>	NA		•
<i>Periclimenes amboinensis</i> (De Man, 1888)	H/EZ <sup>s</sup>	IWP		•
<i>Periclimenes brevicarpalis</i> (Schenkel, 1902)	H/EZ <sup>is</sup>	IWP	•	•
<i>Periclimenes commensalis</i> Borradaile, 1915	H/EZ <sup>is</sup>	IWP		•
<i>Periclimenes cristimanus</i> aff. Bruce, 1965	H/EZ <sup>is</sup>	IWP		•
<i>Periclimenes hongkongensis</i> Bruce, 1969	H/EZ <sup>is</sup>	IWP		•
<i>Periclimenes imperator</i> Bruce, 1967	H/EZ <sup>s</sup>	IWP		•
<i>Periclimenes incertus</i> Borradaile, 1915	H/EZ <sup>s</sup>	IWP	•	
<i>Periclimenes inornatus</i> Kemp, 1922	H/EZ <sup>s</sup>	IWP		•
<i>Periclimenes kempi</i> Bruce, 1969	H/EZ <sup>i</sup>	IWP	•	•
<i>Periclimenes madreporeae</i> Bruce, 1969	H/EZ <sup>s</sup>	IWP		•
<i>Periclimenes mahei</i> Bruce, 1969	H/EZ <sup>s</sup>	IWP		•
<i>Periclimenes obscurus</i> aff. Kemp, 1922	H/EZ <sup>s</sup>	IWP		•
<i>Periclimenes soror</i> Nobili, 1904	H/EZ <sup>s</sup>	IP		•
<i>Periclimenes</i> sp. nov.	U	U	•	
<i>Periclimenes zanzibaricus</i> Bruce, 1969	H/EZ <sup>s</sup>	IO		•
<i>Philarius gerlachei</i> (Nobili, 1905)	H/EZ <sup>is</sup>	IP		•
<i>Philarius imperialis</i> (Kubo, 1940)	H/EZ <sup>is</sup>	IWP	•	•
<i>Phycomenes indicus</i> (Kemp, 1915)	S/E/EP <sup>is</sup>	IWP		•
<i>Phycomenes zostericola</i> Bruce, 2008	S/E/EP <sup>is</sup>	NA		•

Species	Habitat code	Biogeographic code	Inshore	Offshore
<i>Platycaris latirostris</i> Holthuis, 1952	H/EZ <sup>is</sup>	IWP	●	
<i>Pontonides</i> sp.	U	U		●
<i>Pontoniopsis comanthi</i> Borradaile, 1915	H/EZ <sup>is</sup>	IWP		●
<i>Pontophilus</i> sp.	U	U	●	
<i>Thaumastocaris streptopus</i> Kemp, 1922	H/EZ <sup>s</sup>	IWP	●	●
<i>Typtonychus dimorphus</i> (Bruce, 1986)	H/EZ <sup>s</sup>	WA		●
<i>Urocaridella antonbruunii</i> (Bruce, 1967)	H <sup>s</sup>	IWP		●
<i>Vir orientalis?</i> (Dana, 1852)	H/EZ <sup>s</sup>	IWP		●
<i>Vir philippinensis</i> Bruce & Svoboda, 1984	H/EZ <sup>s</sup>	IWP		●
<b>Family: Pandalidae</b>				
<i>Chlorotocella gracilis</i> Balss, 1914	H <sup>is</sup>	IWP	●	
<b>Family: Pasiphaeidae</b>				
<i>Leptochela</i> sp.	U	U		●
<b>Family: Processidae</b>				
<i>Nikoides maldivensis</i> Borradaile, 1915	H <sup>s</sup>	IWP		●
<i>Nikoides steinii</i> (Edmondson, 1935)	H <sup>is</sup>	IWP		●
<i>Processa neglecta?</i> Hayashi, 1975	HS <sup>s</sup>	IWP		●
<i>Processa sulcata</i> Hayashi, 1975	S <sup>is</sup>	IWP	●	●
<b>Family: Rhynchocinetidae</b>				
<i>Cinetorhynchus concolor</i> (Okuno, 1994)	H <sup>s</sup>	IWP		●
<i>Rhynchocinetes hiatti</i> Holthuis & Hayashi, 1967	H <sup>s</sup>	IWP		●
<b>Family: Thalassocaridae</b>				
<i>Thalassocaris</i> sp.	P	U		●
<b>Infraorder: Gebiidea</b>				
<b>Family: Thalassinidae</b>				
<i>Thalassina emerii</i> Bell, 1844	S/M/E <sup>i</sup>	IA	●	
<i>Thalassina squamifera</i> De Man, 1915	S/M/E <sup>i</sup>	IWP		●
<b>Family: Upogebiidae</b>				
<i>Upogebia bowerbankii</i> (Miers, 1884)	S/EZ <sup>s</sup>	A		●
<i>Upogebia carinicauda</i> (Stimpson, 1860)	HS/EZ <sup>s</sup>	IWP		●
<i>Upogebia darwinii</i> (Miers, 1884)	HS/EZ <sup>s</sup>	IWP		●
<b>Infraorder: Stenopodidea</b>				
<b>Family: Spongicolidae</b>				
<i>Microprosthemus validum</i> Stimpson, 1860	H <sup>s</sup>	IP	●	●
<b>Family: Stenopodidae</b>				
<i>Odontozona</i> sp.	H <sup>s</sup>	U		●
<i>Stenopus hispidus</i> (Olivier, 1811)	H <sup>s</sup>	C	●	●