



Foreword*

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Introduction

With the publication of the ABRS Zoological Catalogue to Australian amphipods (Lowry & Stoddart 2003) it became apparent that nearly all of the effort to document the Australian amphipod fauna was concentrated in the temperate southern parts of the country. In tropical Australia, only the monograph of Zeidler (1978) on the pelagic hyperiidean amphipods of Queensland and several short papers on benthic amphipods (K.H. Barnard 1931; Lowry 1981; Berents 1983; Stock 1984; Thomas & Barnard 1990, 1991a, b) specifically targeted the Great Barrier Reef (GBR). Other workers included GBR species within broader Australian studies on benthic amphipods (Myers 1988; Lowry & Stoddart 1990, 1992). Since the publication of the catalogue (Lowry & Stoddart 2003), several important monographs: Guerra-Garcia 2006 on the caprellids of Queensland; Peart 2007a, b on the amphipod genera *Ampithoe* and *Cymadusa* and several short papers: Lowry & Azman 2008; and Yerman & Krapp-Schickel 2008 have recorded tropical species. Prior to the beginning of this project there were about 1000 benthic amphipods known from temperate Australia, but less than 90 species known from tropical Australia. This book is therefore the foundation study on the tropical benthic amphipods of Australia. Although it describes many of the amphipods of the Great Barrier Reef, it indicates the richness of species only on the GBR and certainly not the richness of amphipod species in tropical Australian waters. A checklist of the amphipod species known from tropical Australia is given below.

Tropical Australia is extensive and much of it is difficult to access and has little or no infrastructure for diving and collecting. It was therefore decided to work on the Great Barrier Reef because of its accessibility and the existence of research stations located along the Reef (figure 1). The main effort was concentrated at Lizard Island (figure 2).

Attempting such a project required a group of experienced taxonomists with a proven publishing record in amphipod taxonomy. Historically, short-term projects targeting specific areas and involving many participants have been difficult to manage and consequently have often ended up with few published results (Evenhuis 2007). Collecting is only a small component of the project. Studying and publishing the collections requires a considerable time commitment by all participants and can fail for a number of reasons (Evenhuis 2007). Sponsorship for projects of this magnitude is always a problem (Flowers 2007). Fortunately Australia has a specific agency, the Australian Biological Resources Study (ABRS), for funding taxonomic research and other agencies such as the National Heritage Trust, who are sympathetic to the documentation of the Australian fauna.

Although Lizard Island became the main study site, other collections were used in the study. Jim Thomas (Nova Southeastern University, Fort Lauderdale, Florida) made collections from Orpheus Island available for study. Sara LeCroy (Gulf Coast Research Laboratory Museum, Ocean Springs, Mississippi) had a personal

collection from Lizard Island with species not found in other collections. Neuston samples and light trap samples made by Jeff Leis (Australian Museum, Sydney) from the Lizard Island area also provided important study material. Steve Keable and Jim Lowry (Australian Museum) used baited traps to make specialist collections of scavenging amphipods from the reef. There were also collections from Heron Island, that were incorporated into the study. During 2006 Lauren Hughes and Jim Lowry were able to collect in Torres Strait at the northernmost end of the GBR and at One Tree Island near the southern end of the GBR and although it was not possible to make these collections generally available for study they were partially incorporated into the project. All collections used in the study are documented in a list at the end of this foreword.

A CD (*Benthic Amphipoda (Crustacea: Peracarida) of the Great Barrier Reef: Interactive Keys*) is available with the book or the keys can be accessed at the crustacea.net website.

The Lizard Island Workshop

Through the efforts of Cameron Slatyer (ABRS, then at DEWHA) and Pam Beesley (ABRS) money was made available to invite 14 scientists, including taxonomists, students and field-workers to Lizard Island for two weeks in late February and early March, 2005 for the intensive collecting of amphipods (figure 3). The team also included two collection managers and a cook. We divided the group into divers, snorkelers and shore collectors. We collected every morning and sorted and identified every afternoon. After two weeks we had 225 collections, rough-sorted and divided between the taxonomists for study. All collections were shipped back to the Australian Museum, registered and then loaned to participating scientists. There is no doubt that such a concentrated effort was justified when discoveries such as the monotypic South African brackish water family Boltssiidae and the tropical American semi-terrestrial talitrid, *Chelorchestia*, were found at Lizard Island. During the rough-sorting, particularly good specimens were selected and photographed by Roger Springthorpe. A selection of these pictures (plates 1–6) is given below.

The Florida Workshop

In July 2006 most of the taxonomists involved in the project met at Nova Southeastern University in Fort Lauderdale, Florida. At this meeting protocols were set up for the study.

Terminology. A uniform terminology was agreed, and in particular, the terminology for setae advocated by Watling (1989), was adopted.

Delta. Much work in recent years has gone into developing Delta databases for amphipod groups. There is now a fully illustrated key to all amphipod families. Keys to genera and species are well advanced for many common groups such as the Amaryllididae, Aoridae, Caprellidae, Hyalidae, Iphimediidae, Lysianassidae, Maeridae, Melitidae, Ochlesidae, Phoxocephalidae, Talitridae. A decision was made that the taxonomic section of the book would be generated from a Delta database.

Descriptions. In order to keep the book to a reasonable size, it was decided that descriptions would be short and that illustrations would be restricted to two plates per species. It was also decided not to include scales on the illustrations, but that all appendages illustrated on a figure would be made to the same scale. It was decided not to include species diagnosis, but to include diagnostic characters in the remarks section for each species.

Publication. Z.-Q. Zhang (Chief Editor) agreed to publish the results in *Zootaxa* and the Australian Museum agreed to pay page charges for the book, to make all articles free online. Lowry & Myers became guest editors for *Zootaxa*.

The Amphipods of the GBR

In extant Indo-Pacific coral reef systems, caprellioid, corophioid, and melitoid families together contribute at least one third, and often over one half of all the amphipod species (Table 1). On the GBR, more than three quarters (78%) of the amphipod species are endemic to that reef system, and 80% are endemic to the Australian plate including its margins (Australia, New Guinea, Solomons ridge, Vanuatu-Tonga island arc and Fiji). This is a higher endemicity than recorded for any other recorded tropical reef area. Of the 20% recorded from the GBR that are not endemic to the Australian plate, about half are widely distributed. Of the remainder, twice as many show relationships with New Caledonia, Fiji and the Pacific islands (including Hawaii) to the east, as they do with Indonesia, India, Madagascar and Africa to the west.

In this book 49 shallow water benthic marine families, 121 genera and 235 species of which 112 are new to science, are recorded from the GBR. Three additional families (Endevouridae, Ingolfiellidae and Nihotungidae) are also known from the GBR, but not included here. Five families represent groups not previously recorded from Australia—Bolttsiidae, Chevaliidae, Kamakidae, Maxillipiidae and Megaluroipidae. The most diverse family level groups on the GBR are the Maeridae (33 species), Aoridae (21 species), Ampithoidae (19 species), Leucothoidae (17 species), Caprellidae (16 species), Dexaminidae (11 species), Lysianassidae (11 species) and Photidae (10 species).

The most diverse families at the generic level are the Caprellidae (13 genera), Maeridae (11 genera) and Lysianassidae (7 genera). Within the Maeridae three genera, *Ceradocus*, *Elasmopus* and *Mallacoota* each have 6 species. Within the Caprellidae only two genera, *Orthoprotella* (3 species) and *Quadrisegmentum* (2 species) are represented by more than one species. Within the Lysianassidae only one genus, *Tryphosella* (5 species), has more than one species.

The most diverse genera on the GBR are: *Leucothoe* (13 species), a predatory group often associated with tunicates and sponges; *Bemlos* (11 species), a genus of detritivores often found in coral rubble; *Cymadusa* (11 species), an herbivorous genus living on algae; *Paradexamine* (7 species), often found in coral rubble or associated with *Halimeda* beds; *Podocerus* (7 species), a group of suspension feeders, often associated with sea grasses and algae; *Birubius* (6 species), a group of possible predators found on sandy bottoms or among coral rubble; *Ceradocus*, *Elasmopus* and *Mallacoota* (each with 6 species), often associated with reef rock and coral rubble; *Ampithoe* (5 species), another group of herbivores always associated with algae; *Globosolembos* (5 species), detritivores often associated with coral rubble; and *Tryphosella* (5 species), a group of scavengers living on soft bottoms.

Habitats and Associations

Algae

The large, conspicuous beds of algae, such as *Ecklonia* and further south *Macrocystis*, which are common along the temperate east coast of Australia, do not occur on the Great Barrier Reef. Algae on the Reef are usually small, inconspicuous and heavily grazed. One exception is *Chlorodesmis fastigiata*, but this green alga never shelters amphipods. Yet algae form the richest habitat for amphipods on the Reef. At least 100 species of amphipods make their home among the algae of the GBR, either for food, for shelter or both. The most diverse family in algal biotopes is the herbivorous **Ampithoidae** with 17 known species. The large, conspicuous species, *Cymadusa cavimana* occurs frequently in algal samples, including brown algae such as *Dictyota*, *Padina*, *Turbinaria*, and the calcareous green alga, *Halimeda*. The **Maeridae** is less diverse (10 species), but occurs more frequently, particularly species such as *Elasmopus crenulatus*, *Mallacoota capricornia* and *M. balara* that occur in a wide variety of algae. The **Aoridae** is made up of four genera and nine species. *Bemlos* with five species dominates the group and occurs frequently among samples of *Halimeda*. Eight species of caprellids occur infrequently among GBR algal samples. At least seven species of photids are found, more often among samples of *Halimeda*. Five species of ischyrocerids are found among

algae on the Reef. *Erichthonius* is the most diverse genus with three species and *Erichthonius tropicalis* occurs frequently among *Halimeda*. Other families, including the herbivorous Hyalidae, are represented by less than four species and usually only one species per sample.

Within the algal-dwelling amphipod assemblage, the amphipods associated with *Halimeda* differ from those found among other assemblages. It may be that *Halimeda* beds provide a more diverse or complex habitat. In these beds, maerids are the most diverse family group, followed by photids and then by ampithoids, the latter with only five species.

Coral Rubble

Coral rubble accumulates at the base of living coral and forms beds. The beds vary in thickness and rubble size, and the spaces provide shelter for a diverse assemblage of invertebrates.

GBR rubble beds accommodate at least 85 amphipod species in 24 families. Because of the nature of the beds they form a mixed habitat which contains nested habitats of algae, sponges, tunicates, etc. For example 28 species were collected from two samples of coral rubble near Palfrey Island. On the GBR the **Maeridae** is by far the most species rich family in rubble beds with 24 species in 10 genera. Species such as *Elasmopus crenulatus*, *Maeropsis griffini*, *Mallacoota balara*, *Pareiasmopus cymatilis*, *P. suensis*, *Quadrinemaera quadrimana* and *Q. serrata* occur frequently in the rubble samples. Rubble beds are also a good habitat for **leucothoid** amphipods. Nine species occur here. *Leucothoella gracilis*, *Leucothoe epidemos*, *L. adelphe* and *L. laevipalma* occur most frequently. Two genera and seven species of **aeorids** occur in the GBR rubble beds and one species, *Globosolembos ovatus*, occurs very frequently. Six species of **Ampithoidae** occur in the beds, probably feeding on algae living there. It is presumed that the five **colomastigid** species living in the beds are associated with sponges also living there. Among these species *Colomastix plumulosa* occurs very frequently. **Dexaminids** are also common in the rubble beds. Of the three genera and four species found there, *Paradexamine levitelson* occurs in the samples very frequently. **Lysianassid** amphipods are diverse in the rubble beds. The most frequently occurring species is *Pseudambasia acuticaudata*, but the scavenging tryphosine, *Tryphosella cameloides*, also occurs frequently in this habitat. Other amphipods occurring frequently are the **liljeborgiid**, *Liljeborgia joergpeteri*, the **lysianassid**, *Shoemakerella barnardi*, the **photids** *Latigammaropsis athenae* and *L. dionysus* and the **wandinid**, *Wandin griffini*.

Sandy Lagoon Floor

The sandy lagoon floors support about 40 species in 15 families. The two most speciose groups are the **lysianassid** amphipods with about 11 species of mainly scavenging amphipods and the **phoxocephalids** with about 7 species. Three other characteristic groups found on soft bottom habitats, the suspension-feeding **ampeliscids**, the predatory **oedicerotids** and the **platyschnopids**, are each represented by 3 species and there are two species of **urohaustoriids**. Three species of scavenging **uristids** occur in this habitat. **Ischyrocerids** are represented by two shell and tube-dwelling siphonoecetine species, *Ambicholestes magellani* and *Cerapus nudus*. The **dexaminid**, *Dexaminoculus grobbeni*, occurs on the sandy lagoon floor among distinctive patches of small filamentous algae. Several amphipods, such as species of the **maerid** genus *Saurodocus*, the **melitid** genus *Netamelita*, and the **sebid** genus, *Seba*, occur interstitially. The **bogidiellid** genus *Xystriogidiella* occurs in interstitial beach sands. One species of the upside down **megaluropid** amphipod, *Gibberosus udarus*, occurs all along the reef. A number of **caprellids** have been collected from the sandy lagoon floors, possibly associated with other invertebrates or algae.

Mangroves

At Lizard Island there is a small stand of mangroves on the western side of the Blue lagoon and another lining the edges of Ferriers Creek, which empties into Mrs Watsons Bay. In addition, there is a small, raised mangrove forest behind Mermaid Beach near North Point. In these mangroves areas there is a specialized and characteristic amphipod fauna not found in other reef habitats. Diversity is low at all levels with only 8 families, 10 genera and 11 species. Most genera and species occurring here are adapted to estuarine

environments and are not found in other habitats. Among the mangrove roots the detritivorous and opportunistic predatory **aorid** genus *Grandidierella* is represented by two species. A species of the incredibly rare and biogeographically significant genus, *Bolttsia* (**Bolttsiidae**), occurs among algae growing on the roots of the mangroves. A species of the filter-feeding corophiid, *Paracorophium*, is common on muddy sand among the mangrove roots. The Indo-West Pacific estuarine genus *Kamaka* is also found here in patches of detritus. The **melitid** genera *Melita* and *Tegano* both occur in Ferriers Creek. An herbivorous species of *Parhyale* occurs on dead mangrove roots. This species also occurs in coral rubble outside the mangroves. The **paracalliopiid** genus *Doowia* occurs in sand and detritus fringing the mangroves.

In the small, raised stand of mangroves behind Mermaid Beach the semi-terrestrial gecarcinid crab, *Cardisoma carnifex* (Herbst, 1796) is common, but under the leaf litter of the forest floor a large species of the semi-terrestrial talitrid genus, *Chelorchestia*, resides.

Seagrasses

No seagrass beds were found in the vicinity of Lizard island.

Invertebrate/Vertebrate Associations

At least five families have representatives species living in association with other invertebrates or vertebrates on the GBR. One **hyalid** and one **podocerid** are reported from sea turtles (Serejo 2009; Kilgallen 2009a). At least eight of the 16 **caprellid** species known from the GBR are associated with hydroids. Several others have been found in association with sponges. The only other species associated with hydroids on the GBR is the **stenothoid**, *Wallametopa cabon* J.L. Barnard, 1974 (Krapp-Schickel 2009b). Seven of the 17 **leucothoid** species reported from the GBR are known to be associated with sponges (White & Thomas 2009). *Leucothoe epidemos* White & Thomas, 2009, has also been found with tunicates. The other ten species are mainly found free-living in coral rubble. Of the seven species of **colomastigids** reported from the Reef (LeCroy 2009), only three species have been directly associated with sponges, but according to LeCroy (1995) members of the **Colomastigidae** are sponge commensals. One species of **amphiloichid**, *Cyclotelson purpureum* Potts, 1915, has been reported from crinoids in Torres Strait and a species of **cyproideid**, *Gbroidea dingaalana* Lowry & Azman, 2008, occurs as an obligate commensal with crinoids at Lizard Island.

Materials and methods

Morphology abbreviations: **A**, antenna; **af**, accessory flagellum; **C**, coxa; **EP**, epimeron; **G**, gnathopod; **Hd**, head; **UL**, upper lip; **MD**, mandible; **LL**, lower lip; **MX**, maxilla; **MXP**, maxilliped; **O**, oostegite; **P**, pereopod; **T**, telson; **U**, uropod; **UR**, urosomite; **dv**, dorsal view; **mv**, medial view; **ip**, inner plate; **op**, outer plate; **mv**, **f**, female; **m**, male; **l**, left; **r**, right.

Material is lodged in the collections of the Australian Museum, Sydney, with the following exceptions: the Queensland Museum, Brisbane; the Gulf Coast Research Laboratory Museum, Ocean Springs, Mississippi; the Museu Nacional, Universidade Federal do Rio de Janeiro.

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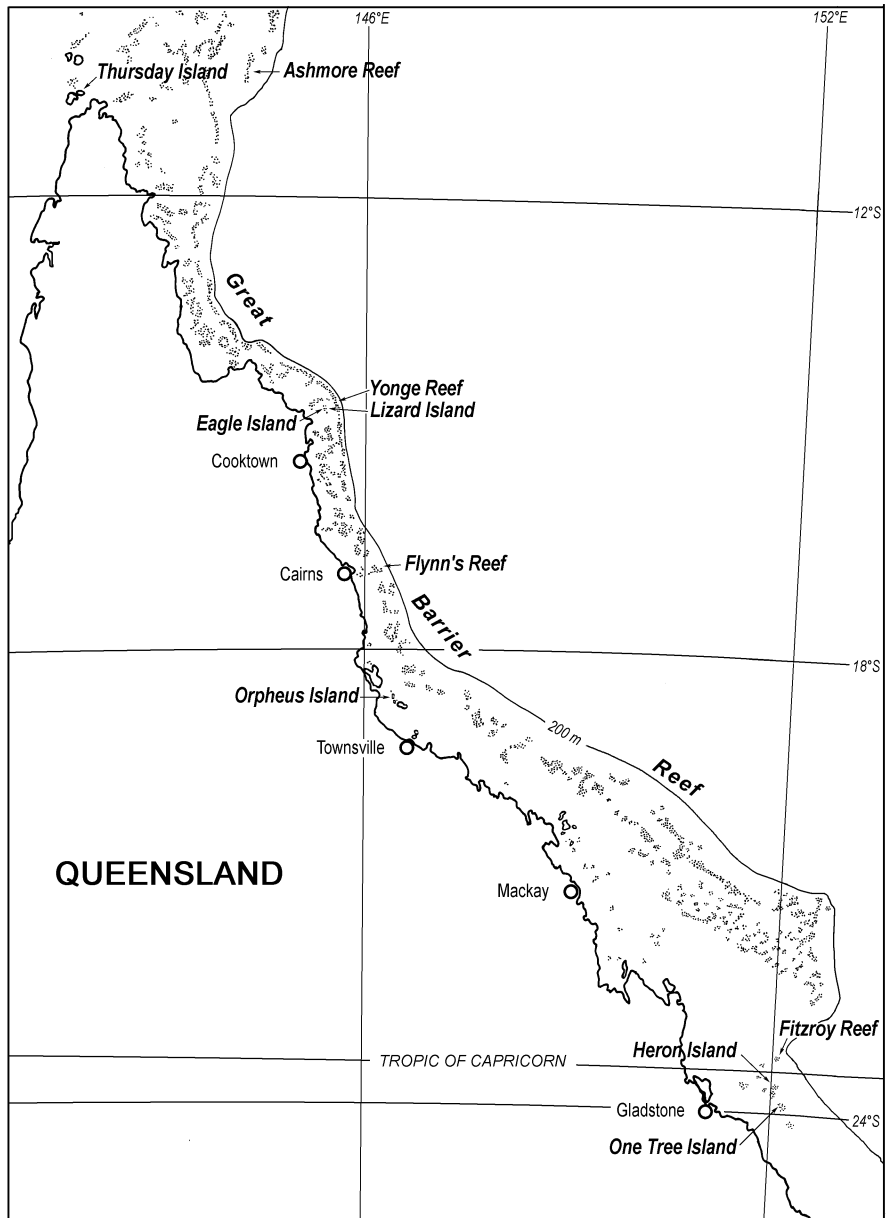


FIGURE 1. Main collecting sites along the Great Barrier Reef.

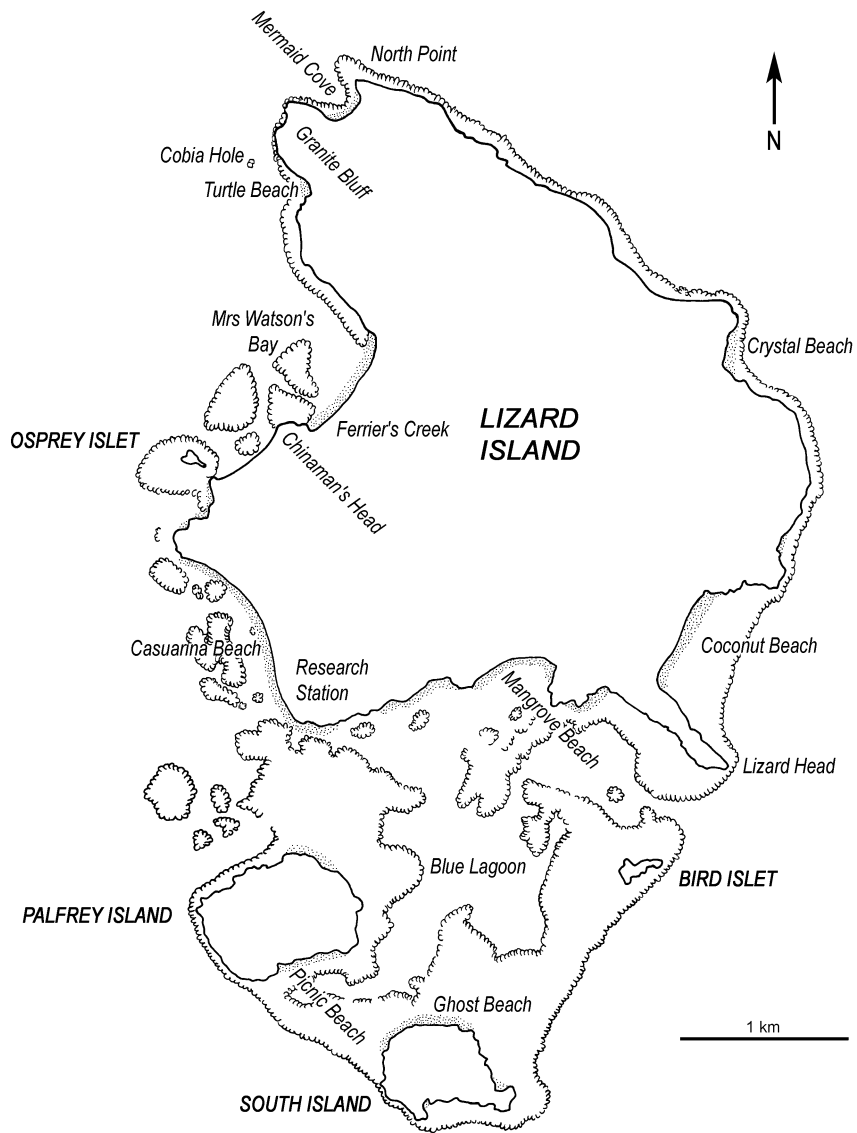


FIGURE 2. Main collecting sites at Lizard Island.



FIGURE 3. Lizard Island Amphipod Workshop Team.

Front row: Roger Springthorpe; Michelle Yerman; Oliver Coleman; Lisa Atkins. Middle row: Lauren Hughes; Penny Berents; Rachael King; Traudl Krapp-Schickel; Anne Just; Sara LeCroy. Back row: Kris White; Ichiro Takeuchi; Jim Lowry; Alan Myers; Jean Just; Cris Serejo; Chet Rakocinski.

Colour Plates of Selected GBR Amphipods

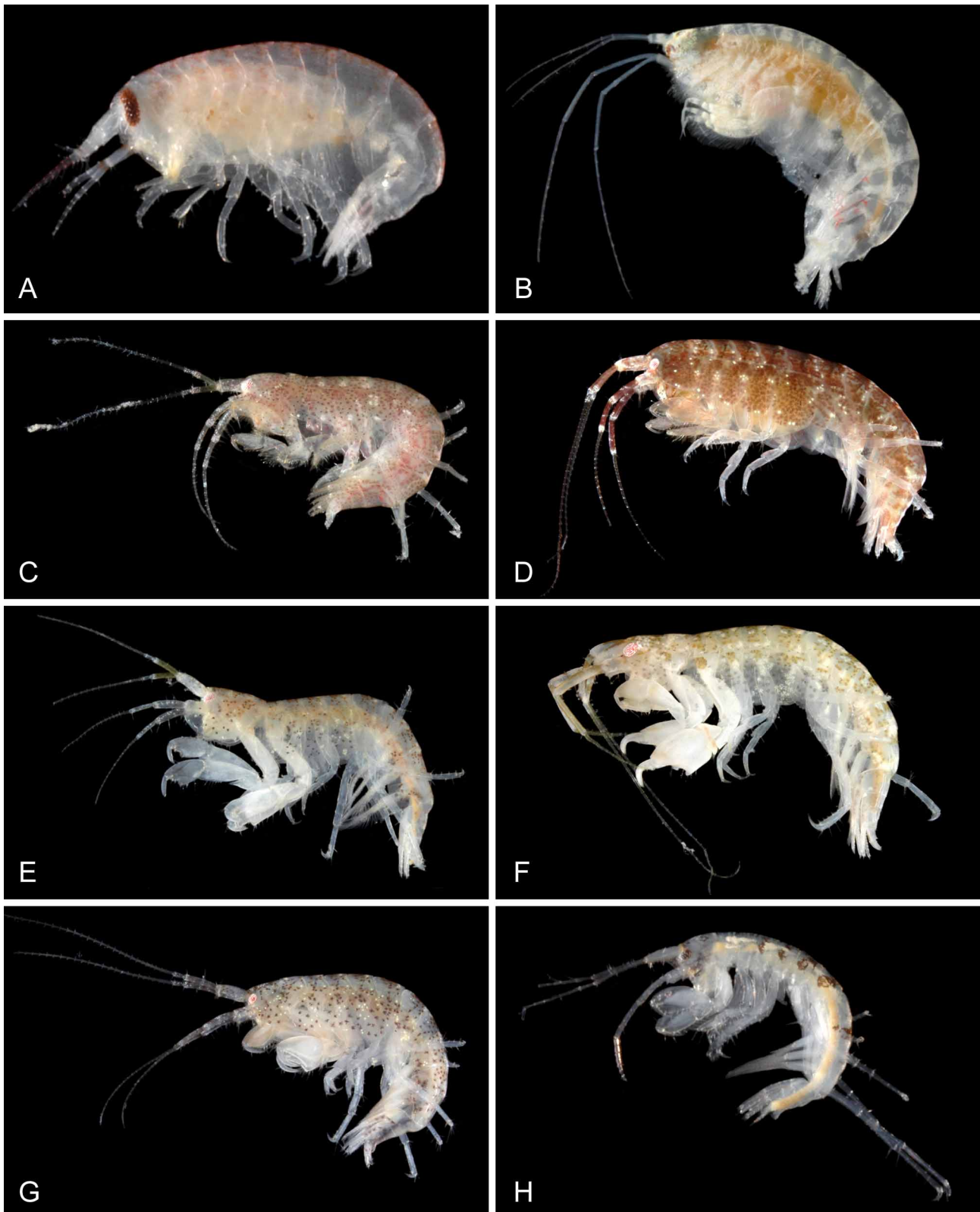


PLATE 1. Amaryllididae: A, *Bamarooka tropicalis*. **Ampeliscidae:** B, *Ampelisca jügurru*. **Ampithoidae:** C, *Ampithoe waiialua*; D, *Cymadusa alyxis*; E, *Cymadusa cavimana*; F, *Cymadusa imbroglio*; G, *Cymadusa khbarnardi*. **Aoridae:** H, *Bemlos clypeatus*.

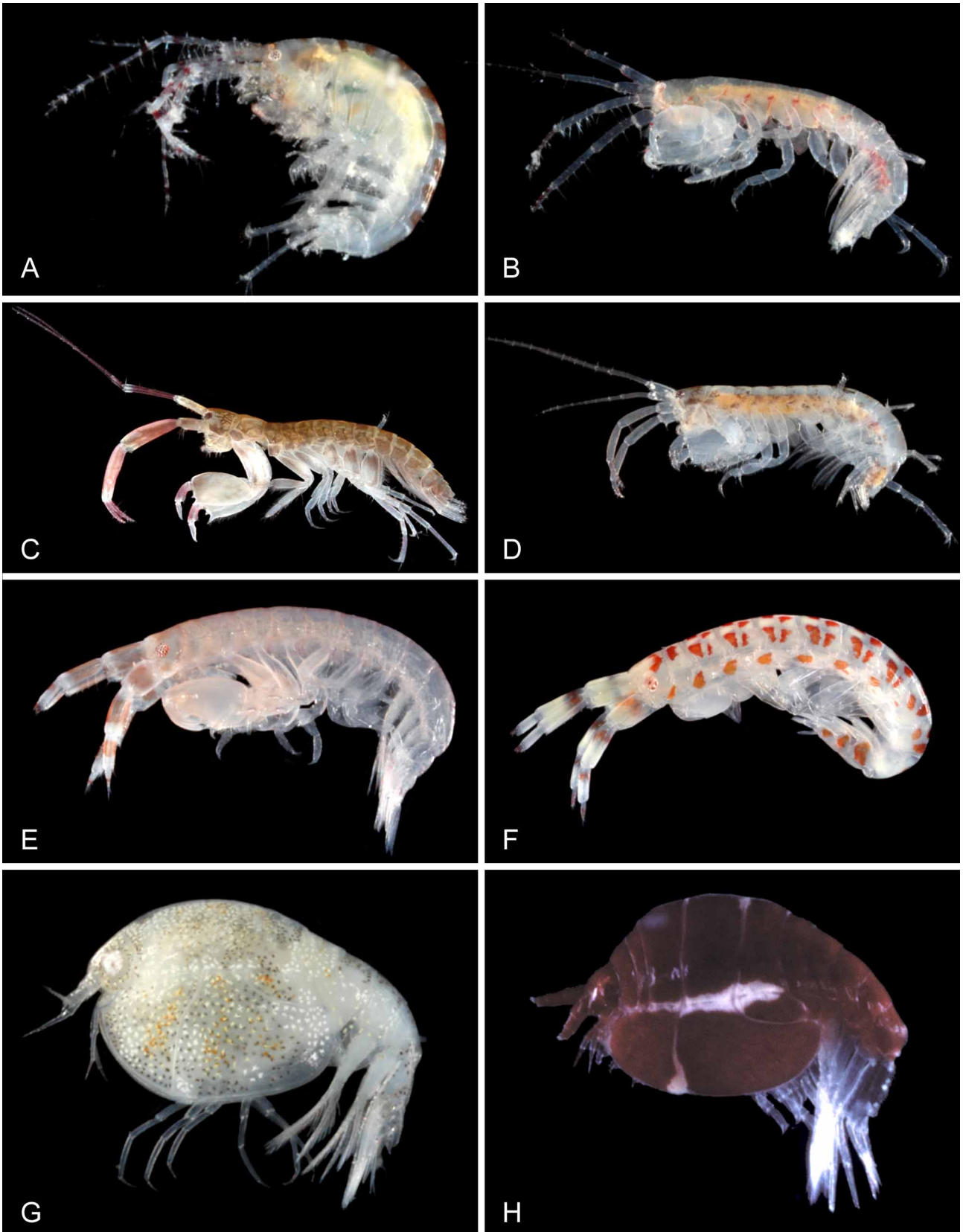


PLATE 2. Aoridae: A, *Bemlos ehippium*; B, *Globosolembos springthorpei*; C, *Grandidierella bonnieroides*; D, *Grandidierella rhizophorae*. **Colomastigidae:** E, *Colomastix dentipalma*; F, *Colomastix processa*. **Cyproideidae:** G, *Cyproidea cobia*; H, *Gbroidea dingaalana*.

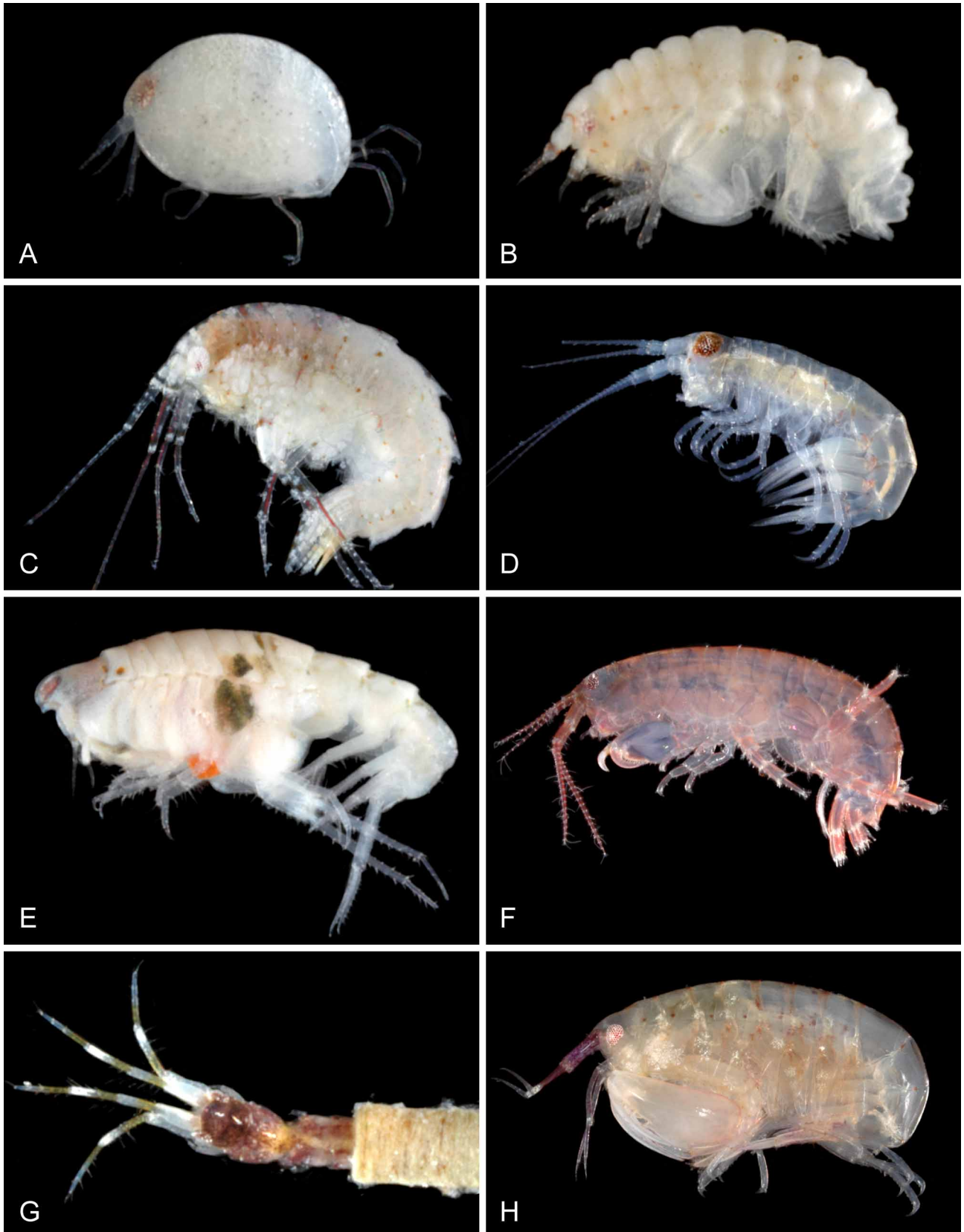


PLATE 3. Cyproideidae: A, *Narapheonoides lowryi*. **Dexaminidae:** B, *Guerneia yamminye*; C, *Paradexamine levitelson*. **Eusiridae:** D, *Tethygeneia* aff. *pacifica*. **Exoedicerotidae:** E, *Parhalimedon kyhursti*. **Hyalidae:** F, *Parhyale hawaiiensis*. **Ischyroceridae:** G, *Cerapus nudus*. **Leucothoidae:** H, *Leucothoe epidemos*.

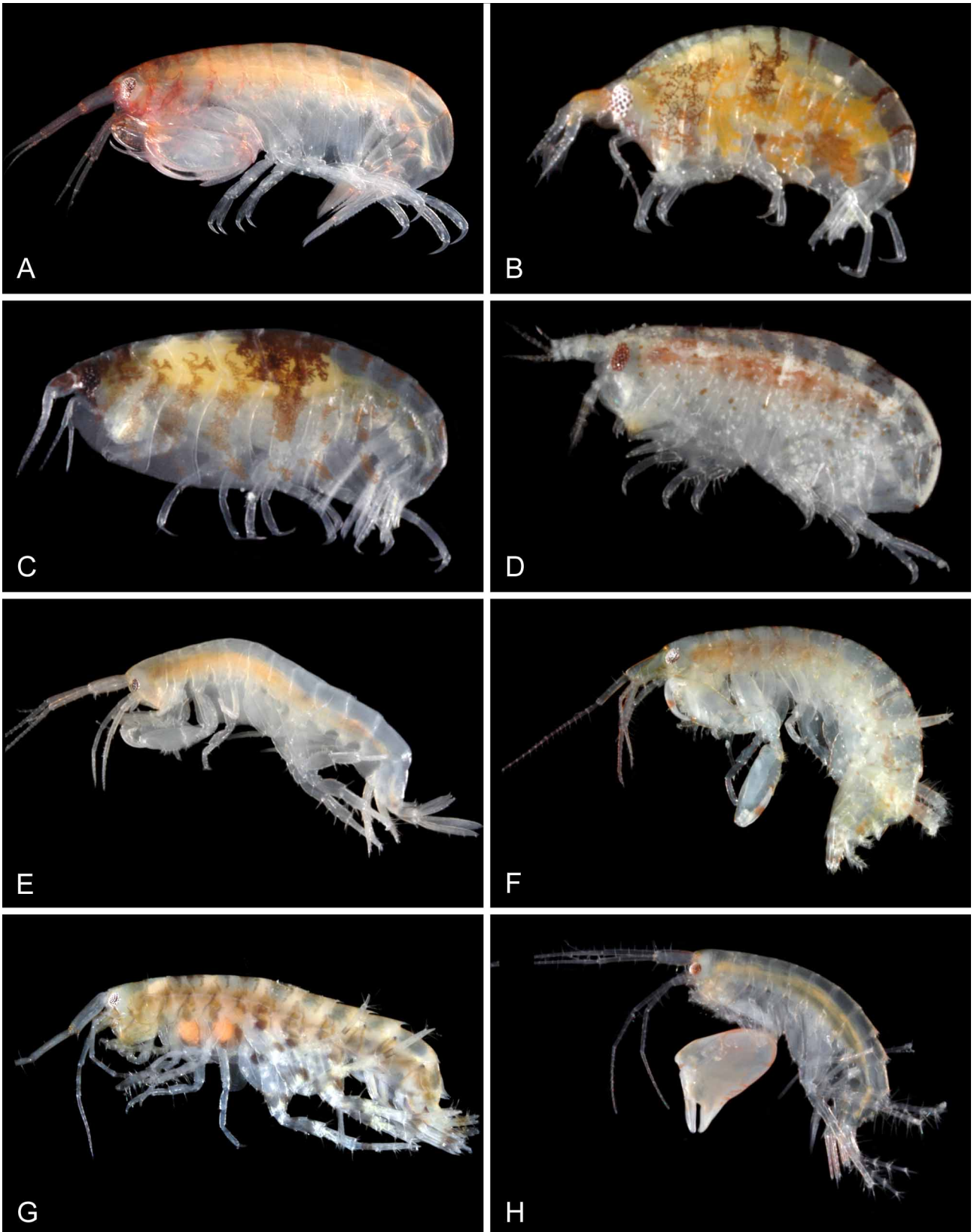


PLATE 4. Leucothoidae: A, *Leucothoe makrommatos*. **Lysianassidae:** B, *Azotostoma fusta*; C, *Pseudambasia acuticaudata*; D, *Shoemakerella barnardi*. **Maeridae:** E, *Ceradocus woorree*; F, *Mallacoota balara*; G, *Pareiasmopus suensis*. **Melitidae:** H, *Dulichchiella pacifica*.

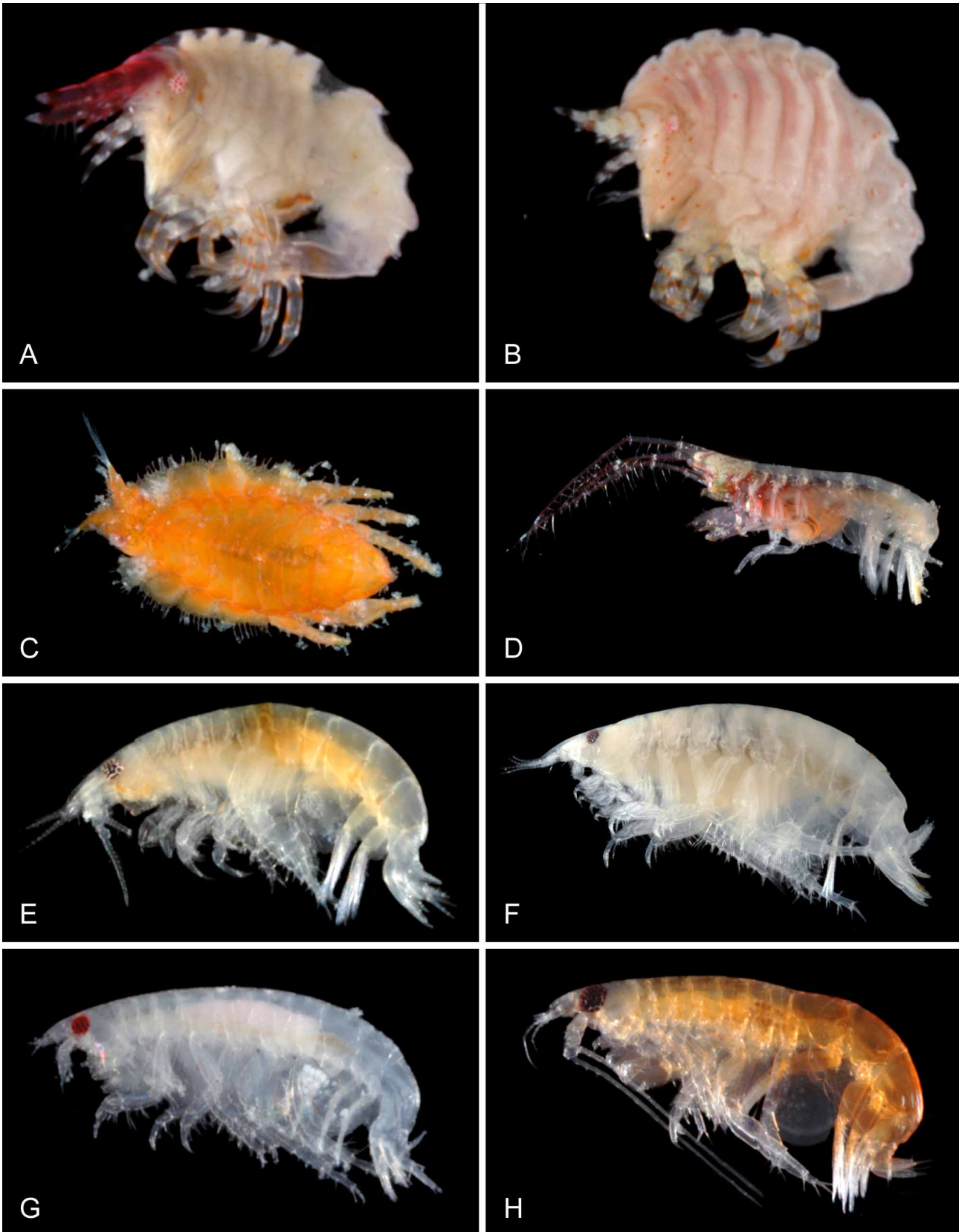


PLATE 5. Ochlesidae: A, *Ochlesis alii*, male; B, *Ochlesis alii*, female. **Phliantidae:** C, *Pereionotus thomsoni*. **Photidae:** D, *Latigammaropsis athenae*. **Phoxocephalidae:** E, *Birubius banksi*; F, *Birubius casuarina*; G, *Limnoporeia cooki*; H, *Metaphoxus varanus*, male.

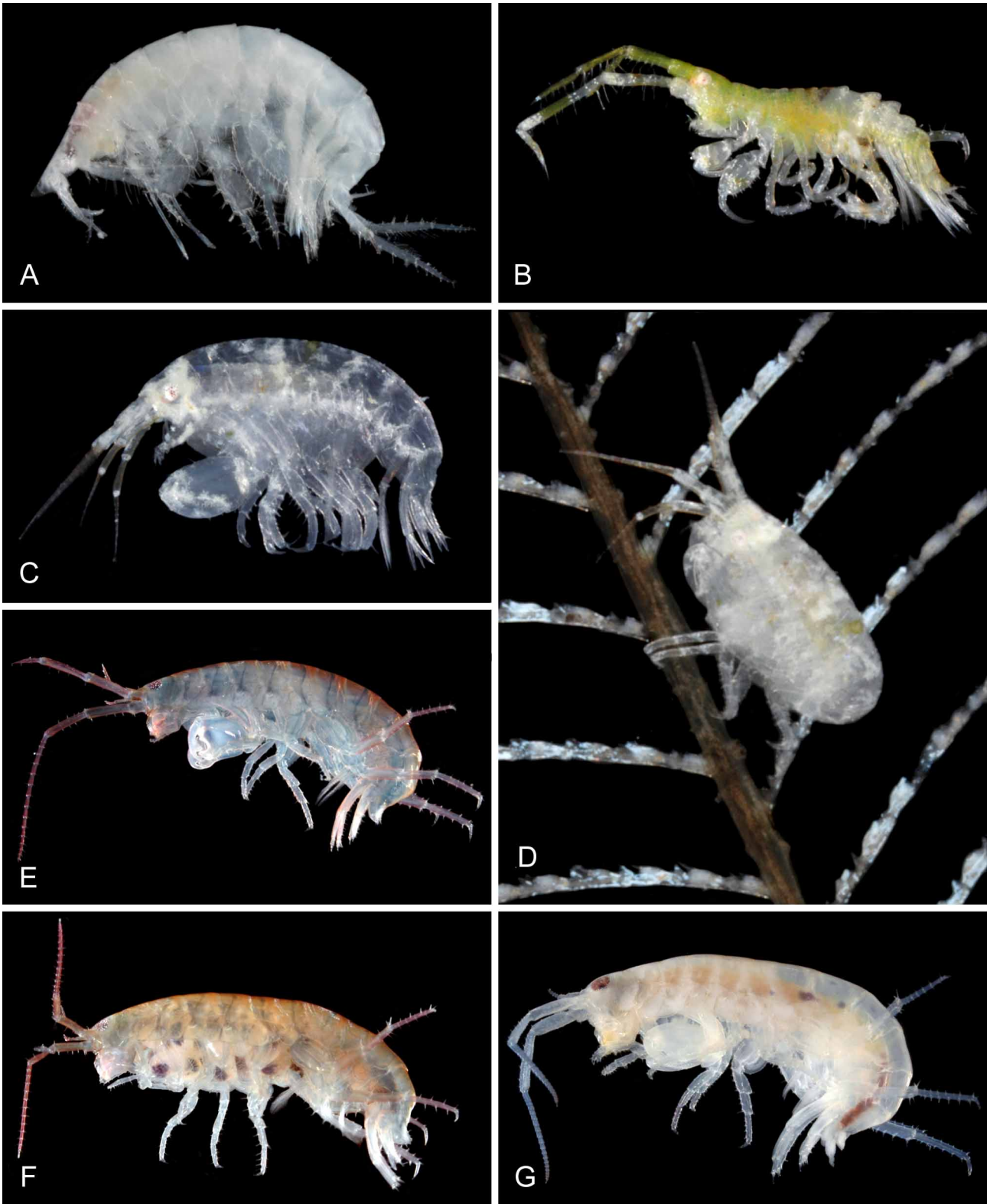


PLATE 6. Platyischnopidae: A, *Platyischnopus mam*, AM P70811. **Podoceridae:** B, *Podocerus casuarinensis*. **Stenothoidae:** C, *Wallametopa cabon*, male; D, *Wallametopa cabon*, female. **Talitridae:** E, *Chelorchestia limicola*, male; F, *Chelorchestia limicola*, female; G, *Talorchestia terraereginae*, male.

Checklist of the Amphipoda of Tropical Australia

- Amaryllididae Lowry & Stoddart, 2002a
Bamarooka Lowry & Stoddart, 2002a
Bamarooka dinjerra Lowry & Stoddart, 2002a
Bamarooka kimbla Lowry & Stoddart, 2002a
Bamarooka tropicalis Lowry & Stoddart, 2002a
- Ampeliscidae Krøyer, 1842
Ampelisca Krøyer, 1842
Ampelisca dimboola Lowry & Poore, 1985
Ampelisca dingaal King, 2009
Ampelisca jiiгурru King, 2009
- Amphilochidae Boeck, 1871
Amphilochus Bate, 1862
Amphilochus justii Azman, 2009a
Amphilochus lacertus Azman, 2009a
Cyclotelson Potts, 1915
Cyclotelson purpureum Potts, 1915
- Ampithoidae Stebbing, 1899
Ampithoe Leach, 1814
Ampithoe cookana Peart, 2007b
Ampithoe kava (Myers, 1985c)
Ampithoe meganae Peart 2007b
Ampithoe katae Peart 2007b
Ampithoe parakava Peart 2007b
Ampithoe roly Peart 2007b
Ampithoe rosema Peart 2007b
Ampithoe waialua J.L. Barnard, 1970
- Cymadusa* Savigny, 1816
Cymadusa alyxis Hughes & Lowry, 2009a
Cymadusa cavimana (Sivaprakasam, 1971)
Cymadusa chuawe Peart, 2007a
Cymadusa heronensis Peart 2007a
Cymadusa hoeyae Hughes & Lowry, 2009a
Cymadusa imbroglia Rabindranath, 1972
Cymadusa khbarnardi Hughes & Lowry, 2009
Cymadusa mariabyrneae Hughes & Lowry, 2009a
Cymadusa setosa (Haswell, 1879a)
Cymadusa smilodonta Hughes & Lowry, 2009a
Cymadusa tattersalli Peart, 2004
Cymadusa thagaay Peart 2007a
Cymadusa tishana Peart 2007a
Cymadusa wistari Peart 2007a
- Paragrubia* Chevreux, 1901
Paragrubia edgari Peart, 2009
- Plumithoe* Barnard & Karaman, 1991
Plumithoe quadrimana (Haswell, 1879b)
- Sunamphitoe* Bate, 1857
Sunamphitoe fantome Peart, 2009
- Aoridae Stebbing, 1899
Aoroides Walker, 1898
Aoroides palfreyensis Myers, 2009a
Aoroides parvus Myers, 2009a
- Autonoe* Bruzelius, 1859
Autonoe seurati (Chevreux, 1907)
- Archaeobemlos* Myers, 1988
Archaeobemlos philacanthus (Stebbing, 1888)
- Bemlos* Shoemaker, 1925
Bemlos aequimanus Schellenberg, 1938
Bemlos australis (Haswell, 1879a)
Bemlos bidens Myers, 1988
Bemlos clypeatus Krapp-Schickel & Myers, 2006
Bemlos ephippium Myers, 1988
Bemlos gladius Myers, 2009a
Bemlos mollis Myers, 1988
Bemlos quadrimanus (Sivaprakasam, 1970)
Bemlos triangulum Myers, 1988
Bemlos tridentatus Myers, 1988
Bemlos tui (Myers, 1985b)
Bemlos waipio (J.L. Barnard, 1970)
- Globosolembos* Myers, 1985a
Globosolembos excavatus (Myers, 1975)
Globosolembos longispinosus Ren, 2006
Globosolembos ovatus Myers, 1985a
Globosolembos springthorpei Myers, 2009a
Globosolembos varanus Myers, 2009a
- Grandidierella* Coutière, 1904
Grandidierella bonnieroides Stephensen, 1947
Grandidierella rhizophorae Myers, 2009a
- Bogidiellidae Hertzog, 1936
Bogidomma Bradbury & Williams, 1995
Bogidomma australis Stock, 1984
Xystrigidiella Stock, 1984
Xystrigidiella capricornea Stock, 1984
Xystrigidiella juliani Coleman, 2009a
- Bolttsiidae Barnard & Karaman, 1987
Bolttsia Griffiths, 1976
Bolttsia myersi Azman & Lowry, 2009
- Caprellidae Leach, 1814
Caprellinae Leach, 1814
Aciconula Mayer, 1903
Aciconula australiensis Guerra-García, 2004
Caprella Lamarck, 1801
Caprella penantis Leach, 1814
Hemiaegina Mayer, 1890
Hemiaegina minuta Mayer, 1890
Metaprotella Mayer, 1890
Metaprotella novaehollandiae (Haswell, 1880)
Metaprotella sandalensis Mayer, 1898
Noculacia Mayer, 1903
Noculacia australiensis Guerra-García, 2002
Orthoprotella Mayer, 1903
Orthoprotella australis (Haswell, 1880)
Orthoprotella pearcei Guerra-García, 2006
Orthoprotella sp.

- Paraprotella* Mayer, 1903
Paraprotella sp.
Protella Dana, 1852b
Protella similis Mayer, 1903
Pseudaeginella Mayer, 1890
Pseudaeginella cf. *biscayensis* (McCain, 1968)
Pseudaeginella vaderi Guerra-García, 2004
Pseudoprotella Mayer, 1890
Pseudoprotella soela Guerra-García, 2004
- Phtisicinae Vassilenko, 1968
Jigurru Guerra-García, 2006
Jigurru vailhoggetti Guerra-García, 2006
Metaproto Mayer, 1903
Metaproto novaehollandiae Mayer, 1903
Perotripus Doughty & Steinberg, 1953
Perotripus keablei Guerra-García, 2006
Pseudoprellicana Guerra-García, 2006
Pseudoprellicana johnsoni Guerra-García, 2006
Pseudoproto Mayer, 1903
Pseudoproto fallax Mayer, 1903
Quadrisegmentum Hirayama, 1988
Quadrisegmentum lowryi Guerra-García, 2006
Quadrisegmentum triangulum Hirayama, 1988
- Ceinidae J.L. Barnard, 1972
Ceina Della Valle, 1893
Ceina gerlachae Coleman, 2009b
- Cheirocratidae Ren, 2006
Prosocratus Barnard & Drummond, 1982c
Prosocratus carolinae Coleman & Lowry, 2009
- Cheluridae Allman, 1847
Tropichelura J.L. Barnard, 1959
Tropichelura insulae (Calman, 1910)
- Chevaliidae Myers & Lowry, 2003
Chevalia Walker, 1904
Chevalia tenuis Myers, 2009b
- Colomastigidae Stebbing, 1899
Colomastix Grube, 1861
Colomastix Grube, 1861
Colomastix dentipalma LeCroy, 2009
Colomastix japonica Bulycheva, 1955
Colomastix lunililo J.L. Barnard, 1970
Colomastix plumosa Ledoyer, 1979
Colomastix processa LeCroy, 2009
Colomastix thomasi LeCroy, 2009
- Corophiidae Leach, 1814
Corophiinae Leach, 1814
Paracorophium Stebbing, 1899
Paracorophium nana Myers, 2009c
- Protomedeiinae Myers & Lowry, 2003
Pumiliophotis Myers, 2009c
Pumiliophotis queenslandicus Myers, 2009c
- Cyproideidae J.L. Barnard, 1974
Cyproidea Haswell, 1879b
Cyproidea cobia Azman, 2009b
Gbroidea Lowry & Azman, 2008
Gbroidea dingaalana Lowry & Azman, 2008
Narapheonoides J.L. Barnard, 1972
Narapheonoides lowryi Azman, 2009b
- Dexaminidae Leach, 1814
Dexamininae Leach, 1814
Paradexamine Stebbing, 1899
Paradexamine aquiserrata Myers & LeCroy, 2009
Paradexamine exilis Myers & LeCroy, 2009
Paradexamine levitelson Myers & LeCroy, 2009
Paradexamine massa Myers & LeCroy, 2009
Paradexamine micronesica Ledoyer, 1979
Paradexamine quadratus Myers & LeCroy, 2009
Paradexamine saxeta Myers & LeCroy, 2009
- Dexaminoculinae Bousfield & Kendall, 1994
Dexaminoculus Lowry, 1981
Dexaminoculus grobbeni (Spandl, 1929)
- Polycheriinae Bousfield & Kendall, 1994
Polycheria Haswell, 1879b
Polycheria goanna Myers & LeCroy, 2009
- Prophiantinae Nicholls, 1939
Guernea Chevreux, 1887
Guernea ipilya Thomas & Barnard, 1991a
Guernea yamminye Thomas & Barnard, 1991a
- Eurytheneidae Stoddart & Lowry, 2004
Eurythenes S.I. Smith, 1882
Eurythenes gryllus (Lichtenstein, 1822)
Eurythenes thurstoni Stoddart & Lowry, 2004
- Eusiridae Stebbing, 1888
Rhachotropis Smith, 1883
Rhachotropis platycera K.H. Barnard, 1931
Tethygeneia J.L. Barnard, 1972
Tethygeneia cf. *pacifica* (Schellenberg, 1938)
- Exoedicerotidae Barnard & Drummond, 1982b
Parhalimedes Chevreux, 1906
Parhalimedes kyhirsti Hughes, 2009a
- Hadziidae S. Karaman, 1943
Dulzura J.L. Barnard, 1962
Dulzura taylorae Springthorpe & Lowry, 2009
- Liagoceradocus* J.L. Barnard, 1965
Liagoceradocus branchialis Bradbury & Williams, 1996
Liagoceradocus subthalassicus Bradbury & Williams, 1996
- Hyalidae Bulycheva, 1957
Hyacheliinae Bousfield & Hendrycks, 2002
Hyachelia J.L. Barnard, 1967
Hyachelia lowryi Serejo, 2009

- Hyalinae Bulycheva, 1957
Lelehua J.L. Barnard, 1970
Lelehua myersi Serejo, 2009
Parhyale Stebbing, 1897
Parhyale hawaiiensis (Dana, 1853)
- Hyperiididae Dana, 1852b
Hyperietta Bowman, 1973
Hyperietta stebbingi Bowman, 1973
Hyperietta stephensi Bowman, 1973
Hyperietta vosseleri (Stebbing, 1904)
Hyperioides Chevreux, 1900
Hyperioides sibagnis (Stebbing, 1888)
Lestrigonus Milne Edwards, 1830
Lestrigonus bengalensis Giles, 1887
Lestrigonus macrophthalmus (Vosseler, 1901)
Lestrigonus shoemakeri Bowman, 1973
Themisto Guérin Méneville, 1825
Themisto australis (Stebbing, 1888)
- Iciliidae Dana, 1852a
Icilius Dana, 1852a
Icilius caledoniana Watson, Lowry & Steinberg, 2004
- Iphimediidae Boeck, 1871
Iphimedia Rathke, 1843
Iphimedia schminkei Coleman, 2009c
- Ischyroceridae Stebbing, 1899
Ischyrocerinae Stebbing, 1899
Coxischyrocerus Just, 2009a
Coxischyrocerus rhombocoxus Just, 2009a
Tropischyrocerus Just, 2009a
Tropischyrocerus pugilis Just, 2009a
- Siphonoecetinae Just, 1983
Ambicholestes Just, 1998
Ambicholestes (Ambicholestes) magellani (Just, 1984)
Cerapus Say, 1817
Cerapus bundegi Lowry & Berents, 2005
Cerapus nudus Just, 2009a
Cerapus volucola Lowry & Berents, 2005
Erichthonius Milne Edwards, 1830
Erichthonius parabrasiliensis Just, 2009a
Erichthonius pugnax (Dana, 1852a)
Erichthonius tropicalis Just, 2009a
- Kamakidae Myers & Lowry, 2003
Gammaropsella Myers, 2009d
Gammaropsella saepta Myers, 2009d
Kamaka Derzhavin, 1923
Kamaka silvana Myers, 2009d
- Leucothoidae Dana, 1852b
Anamixis Stebbing, 1897
Anamixis bazimut Thomas, 1997
Leucothoe Krøyer, 1842
Leucothoe adelphe White & Thomas, 2009
Leucothoe bova White & Thomas, 2009
Leucothoe epidemos White & Thomas, 2009
Leucothoe eumilli White & Thomas, 2009
Leucothoe hipposideros White & Thomas, 2009
Leucothoe laevipalma White & Thomas, 2009
Leucothoe makrommatos White & Thomas, 2009
Leucothoe odontiskos White & Thomas, 2009
Leucothoe pollex White & Thomas, 2009
Leucothoe rudicula White & Thomas, 2009
Leucothoe serrata White & Thomas, 2009
Leucothoe sparsus White & Thomas, 2009
Leucothoe thula White & Thomas, 2009
Leucothoe undulatus White & Thomas, 2009
Leucothoella Schellenberg, 1928
Leucothoella gracilis Haswell, 1879a
Paranamixis Schellenberg, 1938
Paranamixis jüggurru White & Thomas, 2009
- Liljeborgiidae Stebbing, 1899
Liljeborgia Bate, 1862
Liljeborgia joergpeteri Coleman, 2009d
- Lycaeidae Claus, 1879
Brachyscelus Bate, 1861
Brachyscelus crusculum Bate, 1861
Lycaea Dana, 1852b
Lycaea bajensis Shoemaker, 1925
Lycaea vincentii Stebbing, 1888
Simorhynchotus Stebbing, 1888
Simorhynchotus antennarius (Claus, 1871)
Lycaeopsis Claus, 1879
Lycaeopsis themistoides (Claus, 1879)
Lycaeopsis zamboangae (Stebbing, 1888)
- Lysianassidae Dana, 1852a
Lysianassinae Dana, 1852a
Azotostoma J.L. Barnard, 1965
Azotostoma fusta J.L. Barnard, 1965
Pseudambasia Stephensen, 1927
Pseudambasia acuticaudata (Ledoyer, 1984)
Riwo Lowry & Stoddart, 1995
Riwo mizeui Lowry & Stoddart, 1995
Shoemakerella Pirlot, 1936
Shoemakerella barnardi Lowry & Stoddart, 2009
Waldeckia Chevreux, 1906
Waldeckia enoei Stephensen, 1931
- Tryphosinae Lowry & Stoddart, 1997
Lepidepecreum Bate & Westwood, 1868
Lepidepecreum dampieri Lowry & Stoddart, 2002b
Onesimoides Stebbing, 1888
Onesimoides carinatus Stebbing, 1888
Paralysianopsis Schellenberg, 1931
Paralysianopsis padoz Lowry & Stoddart, 1995
Tryphosella Bonnier, 1893
Tryphosella bet Lowry & Stoddart, 2009

- Tryphosella cameloides* Lowry & Stoddart, 2009
Tryphosella charlottae Lowry & Stoddart, 2009
Tryphosella flynnana Lowry & Stoddart, 2009
Tryphosella seasana Lowry & Stoddart, 2009
- Maeridae Krapp-Schickel, 2008
Austromaera Lowry & Springthorpe, 2005
Austromaera brevicaudata (Ledoyer, 1984)
Ceradocus Costa, 1853
Ceradocus crenatipalma Ledoyer, 1979
Ceradocus hawaiiensis J.L. Barnard, 1955
Ceradocus oxyodus Berents, 1983
Ceradocus cf. *rubromaculatus* Stimpson, 1856
Ceradocus woorea Berents, 1983
Ceradocus yandala Berents, 1983
Elasmopus Costa, 1853
Elasmopus alalo Myers, 1986
Elasmopus crenulatus Berents, 1983
Elasmopus hooheho J.L. Barnard, 1970
Elasmopus pecteniscrus (Bate, 1862)
Elasmopus slatyeri Lowry & Hughes, 2009
Elasmopus spinicarpus Berents, 1983
Elasmopus veranocephalensis Lowry & Hughes, 2009
Glossomaera Krapp-Schickel, 2009a
Glossomaera octodens (Sivaprakasam, 1968)
Jerbarnia Croker, 1971
Jerbarnia stocki Thomas & Barnard, 1990
Linguimaera Pirlot, 1936
Linguimaera pirloti Krapp-Schickel, 2003
Maeropsis Chevreaux, 1919
Maeropsis cobia Krapp-Schickel, 2009a
Maeropsis griffini (Berents, 1983)
Mallacoota J.L. Barnard, 1972
Mallacoota balara Berents, 1983
Mallacoota capricornia Lowry & Hughes, 2009
Mallacoota chandaniae Lowry & Springthorpe, 2005
Mallacoota nananui Myers, 1985c
Mallacoota schellenbergi Ledoyer, 1984
Mallacoota scopulosa Lowry & Hughes, 2009
Parelaelasmopus Stebbing, 1888
Parelaelasmopus cymatilis Lowry & Hughes, 2009
Parelaelasmopus suensis (Haswell, 1879a)
Quadrimeaera Krapp-Schickel & Ruffo, 2000
Quadrimeaera pacifica (Schellenberg, 1938)
Quadrimeaera quadrimana (Dana, 1853)
Quadrimeaera cf. *reishi* (J.L. Barnard, 1979)
Quadrimeaera serrata (Schellenberg, 1938)
Sauradocus Yerman & Krapp-Schickel, 2008
Sauradocus hobbit Yerman & Krapp-Schickel, 2008
Sauradocus minimarenius Yerman & Krapp-Schickel, 2008
- Maxillipiidae Ledoyer, 1973
Maxillipius Ledoyer, 1973
Maxillipius rectitelson Ledoyer, 1973
- Megaluropidae Thomas & Barnard, 1987
Gibberosus Thomas & Barnard, 1986
Gibberosus udarus Hughes, 2009b
- Melitidae Bousfield, 1973
Dulichella Stout, 1912
Dulichella pacifica Lowry & Springthorpe, 2005
Melita Leach, 1814
Melita myersi Karaman, 1987
Melita sampsonae Lowry & Springthorpe, 2009
Netamelita Barnard, 1962
Netamelita lacerta Yerman, 2009
Tegano Barnard & Karaman, 1982
Tegano atkinsae Lowry & Springthorpe, 2009
- Melphidippidae Stebbing, 1899
Melphisana J.L. Barnard, 1962
Melphisana madagascarensis Ledoyer, 1984
- Oedicerotidae Liljeborg, 1865
Aborolobatea Ledoyer, 1984
Aborolobatea insidiosa Hughes & Lowry, 2009b
Monoculodes Stimpson, 1853
Monoculodes tropicalis Hughes & Lowry, 2009b
Perioculodes Sars, 1895
Perioculodes talboti Hughes & Lowry, 2009b
- Ochlesidae Stebbing, 1910
Ochlesis Stebbing, 1910
Ochlesis alii J.L. Barnard, 1970
- Oxycephalidae Dana, 1852b
Glossocephalus Bovallius, 1887
Glossocephalus milneedwardsi Bovallius, 1887
Leptocotis Streets, 1887
Leptocotis tenuirostris (Claus, 1871)
Oxycephalus Mine Edwards, 1830
Oxycephalus clausi Bovallius, 1887
Rhabdosoma White, 1847
Rhabdosoma armatum (Mine Edwards, 1840)
Rhabdosoma whitei Bate, 1862
Streetsia Stebbing, 1888
Streetsia steenstrupi (Bovallius, 1887)
Tullbergella Bovallius, 1887
Tullbergella cuspidata Bovallius, 1887
- Paracalliopiidae Barnard & Karaman, 1982
Doowia Barnard & Drummond, 1987
Doowia dexterdae Barnard & Drummond, 1987
Yhi Barnard & Thomas, 1991
Yhi yindi Barnard & Thomas, 1991
- Paramelitidae Bousfield, 1977
Chillagoe Barnard & Williams, 1995
Chillagoe thea Barnard & Williams, 1995
Chydaekata Bradbury, 2000
Chydaekata acuminata Bradbury, 2000

- Chydaekata anophelma* Bradbury, 2000
Chydaekata brachybasis Bradbury, 2000
Chydaekata breviclava Bradbury, 2000
Chydaekata carscutica Bradbury, 2000
Chydaekata diagonalis Bradbury, 2000
Chydaekata dolichodactyla Bradbury, 2000
Chydaekata gyraspis Bradbury, 2000
Chydaekata ovatosetosa Bradbury, 2000
Chydaekata scopula Bradbury, 2000
Chydaekata scuticaria Bradbury, 2000
Chydaekata simulata Bradbury, 2000
Chydaekata tetraspis Bradbury, 2000
Chydaekata transversa Bradbury, 2000
Kruptus Finston, Johnson & Knott, 2008
Kruptus linnaei Finston, Johnson & Knott, 2008
Molina Bradbury, 2000
Molina pleobranchos Bradbury, 2000
Pilbarus Bradbury & Williams, 1997
Pilbarus millsii Bradbury & Williams, 1997
Toulrabia Barnard & Williams, 1995
Toulrabia willsi Barnard & Williams, 1995
Paraphronimidae Bovallius, 1887
Paraphronima Claus, 1879
Paraphronima crassipes Claus, 1879
Paraphronima gracilis Claus, 1879
Parascalidae Bovallius, 1887
Parascelus Claus, 1879
Parascelus edwardsi Claus, 1879
Thyropus Dana, 1852b
Thyropus similis (Stephensen, 1925)
Thyropus spheroma (Claus, 1879)
Phliantidae Stebbing, 1899
Pereionotus Bate & Westwood, 1863
Pereionotus thomsoni Stebbing, 1899
Photidae Boeck, 1871
Gammaropsis Liljeborg, 1855
Gammaropsis hephaestis Myers, 2009e
Graciliphotis Myers, 2009e
Graciliphotis ruthae Myers, 2009e
Latigammaropsis Myers, 2009e
Latigammaropsis athenae Myers, 2009e
Latigammaropsis dionysus Myers, 2009e
Latigammaropsis hermes Myers, 2009e
Latigammaropsis hestia Myers, 2009e
Photis Krøyer, 1842
Photis aina J.L. Barnard, 1970
Photis davei Myers, 2009e
Photis pirloti Myers, 1985c
Virgammaropsis Myers, 2009e
Virgammaropsis artemis Myers, 2009e
Phoxocephalidae
Birubius Barnard & Drummond, 1978
Birubius banksi Taylor, 2009
Birubius batei (Haswell, 1879a)
Birubius casuarina Taylor, 2009
Birubius kingae Taylor, 2009
Birubius oti Taylor, 2009
Birubius parvus Taylor, 2009
Limnoporeia Fearn-Wannan, 1968
Limnoporeia cooki Taylor, 2009
Limnoporeia woorake Barnard & Drummond, 1978
Metaphoxus Bonnier, 1896
Metaphoxus varanus Taylor, 2009
Phronimidae Dana, 1852b
Phronima Latreille, 1802
Phronima atlantica Guérin Méneville, 1836
Phronima bucephala Giles, 1887
Phronima pacifica Streets, 1887
Phronima stebbingi Vosseler, 1901
Phronimella Claus, 1871
Phronimella elongata (Claus, 1862)
Phrosinidae Dana, 1852b
Anchylomera Milne Edwards, 1830
Anchylomera blossevillii Milne Edwards, 1830
Phrosina Risso, 1822
Phrosina semilunata Risso, 1822
Primno Guérin Méneville, 1836
Primno latreillei Stebbing, 1888
Platyschnopidae Barnard & Drummond, 1979
Platyschnopus Stebbing, 1888
Platyschnopus mam Barnard & Drummond, 1979
Tomituka Barnard & Drummond, 1979
Tomituka eumilli Hughes, 2009c
Platyscelidae Bate, 1862
Amphithyrus Claus, 1879
Amphithyrus bispinosus Claus, 1879
Amphithyrus sculpturatus (Claus, 1879)
Paratyphis Claus, 1879
Paratyphis parvus Claus, 1887
Paratyphis promontorii Stebbing, 1888
Platyscelus Bate, 1861
Platyscelus serratulus Stebbing, 1888
Tetrathyrus Claus, 1879
Tetrathyrus forcipatus Claus, 1879
Pleustidae Buchholz, 1874
Tepidopleustes Karaman & Barnard, 1979
Tepidopleustes acromatius Just, 2009b
Podoceridae Leach, 1814
Podocerus Leach, 1814
Podocerus brasiliensis (Dana, 1853)

- Podocerus casuarinensis* Kilgallen, 2009a
Podocerus chelonophilus (Chevreux & de Guerne, 1888)
Podocerus laevis Haswell, 1885
Podocerus crenulatus Myers, 1985
Podocerus uncinatus Kilgallen, 2009a
Podocerus talegus talegus J.L. Barnard, 1965
- Pronoidae Dana, 1852b
Eupronoe Claus, 1879
Eupronoe armata Claus, 1879
Eupronoe laticarpa Stephensen, 1925
Eupronoe maculatus Claus, 1879
Eupronoe minuta Claus, 1879
Paralycaea Claus, 1879
Paralycaea hoylei Stebbing, 1888
Parapronoe Claus, 1879
Parapronoe elongata Semenova, 1981
Parapronoe parva Claus, 1879
- Scinidae Stebbing, 1888
Scina Prestandrea, 1833
Scina lepisma (Chun, 1889)
Scina pacifica (Bovallius, 1887)
Scina similis (Stebbing, 1885)
- Sebidae Walker, 1908
Seba Bate, 1862
Seba gruneri Yerman & Coleman, 2009
Seba mariolga Yerman & Coleman, 2009
Seba zeumindi Yerman & Coleman, 2009
- Stegocephalidae Dana, 1852b
Tetradeion Stebbing, 1899
Tetradeion dampieri (Berge & Vader, 2000)
- Stenothoidae Boeck, 1871
Stenothoe Dana, 1852a
Stenothoe miersi Haswell, 1879b
Wallametopa J.L. Barnard, 1974
Wallametopa cabon J.L. Barnard, 1974
- Synopiidae Dana, 1852b
Synopia Dana, 1852b
Synopia ultramarina Dana, 1853
- Syrrhoë* Goës, 1866
Syrrhoë petitaserrata Hughes, 2009d
Telsosynopia G. Karaman, 1986
Telsosynopia trifidilla Hughes & Lowry, 2006
- Talitridae Rafinesque, 1815
Chelorchestia Bousfield, 1984
Chelorchestia limicola (Haswell, 1880)
Chroestia Marsden & Fenwick, 1984
Chroestia lota Marsden & Fenwick, 1984
Talorchestia Dana, 1852a
Talorchestia spinipalma (Dana, 1852a)
Talorchestia terraereginae Haswell, 1880
- Uristidae Hurley, 1963
Ichnopus Costa 1853
Ichnopus capricornus Lowry & Stoddart, 1992
Ichnopus tenuicornis (Haswell, 1879a)
Ichnopus wardi Lowry & Stoddart, 1992
Nagada Lowry & Stoddart 1995
Nagada uwedoae Lowry & Stoddart, 1995
- Unciolidae Myers & Lowry, 2003
Wombalano Thomas & Barnard, 1991b
Wombalano yerang Thomas & Barnard, 1991b
- Urohaustoriidae Barnard & Karaman, 1982
Tottungus Barnard & Drummond, 1982a
Tottungus solivagus Kilgallen, 2009b
Urohaustorius Sheard, 1936
Urohaustorius drummondiae Kilgallen, 2009b
- Vibiliidae Dana, 1852b
Vibilia Milne Edwards, 1830
Vibilia armata Bovallius, 1887
Vibilia viatrix Bovallius, 1887
- Wandinidae Lowry & Stoddart, 1990
Wandin Lowry & Stoddart, 1990
Wandin griffini Lowry & Stoddart, 1990

Station List —Amphipods of the Great Barrier Reef, Queensland, Australia plus miscellaneous collections used in this study

Unless otherwise indicated all samples were taken by hand on SCUBA or snorkel.

75 LIZ 11-2. Off Coconut Beach, Lizard Island, Queensland (14°40'S 145°28'E), reef rock with coralline algae, 3 m, P.B. Weate & P.A. Hutchings, 18 January 1975.

Mallacoota capricornia

75 LIZ D-1. Outer slope, Yonge Reef, Queensland (14°36'S 145°38'E), reef rock with *Halimeda* & *Lithothamnion*, 36 m, P.B. Weate & P.A. Hutchings, 9 January 1975.

Dulichella pacifica

75 LIZ T-1. Reef back, Yonge Reef, Queensland (14°37'S 145°38'E), dead *Acropora*, 2 m, P.B. Weate & P.A. Hutchings, 19 January 1975.

Elasmopus slatyeri

75 LIZ V-3. Reef back, Yonge Reef, Queensland (14°37'S 145°38'E), reef rock cemented with *Lithothamnion* and some *Halimeda* from bommie, 2 m, P.B. Weate & P.A. Hutchings, 20 January 1975.

Elasmopus slatyeri

76 LIZ 16 B. Off western side of Palfrey Island, Lizard Island, Queensland (14°40'S 145°28'E), reef rock, 6 m, P.B. Weate & P.A. Hutchings, 12 January 1976.

Elasmopus hooheho, *Elasmopus slatyeri*, *Pareiasmopus cymatilis*

76 LIZ A 03.12.2. Fringing reef, between Bird Islet and South Island, Lizard Island, Queensland (14°40'S 145°28'E), reef rock, 12 m, P.B. Weate & P.A. Hutchings, 11 January 1977.

Mallacoota capricornia, *Quadrimaera* cf. *reishi*

76 LIZ A 03.15.1. Fringing reef, between Bird Islet and South Island, Lizard Island, Queensland (14°40'S 145°28'E), reef rock, 12 m, P.B. Weate & P.M. Berents, 10 April 1977.

Mallacoota balara

76 LIZ A 03.15.2. Between Bird Islet and South Island, Lizard Island, Queensland (~14°42'S 145°28'E), reef rock, 12 m, P.B. Weate & P.M. Berents, 10 April 1977.

Mallacoota balara

76 LIZ A 9.12.1. Between Bird Islet and South Island, Lizard Island, Queensland (14°41'S 145°28'E), reef rock, 12 m, P.B. Weate & P.A. Hutchings, 11 January 1977.

Mallacoota balara

76 LIZ A 6.18.3. Fringing reef between Bird & South Islands, Lizard Island, Queensland (14°41'52"S 145°27'51"E), reef rock, 12 m, P.A. Hutchings, 1 August 1977.

Mallacoota balara

76 LIZ A 9.18.3. Fringing reef between Bird & South Islands, Lizard Island, Queensland (14°41'52"S 145°27'51"E), reef rock, 12 m, P.A. Hutchings, 1 August 1977.

Mallacoota balara

76 LIZ B 3. Off Chinamans Head, Lizard Island, Queensland (~14°40'S 145°27'E), reef rock, 7 m, P.A. Hutchings & P.B. Weate, 27 January 1976.

Mallacoota balara

- 76 LIZ B 00.03.1. Chinamans Head, Lizard Island, Queensland (~14°40'S 145°27'E), reef rock, 7 m, P.A. Hutchings, 27 May 1976.
Mallacoota balara
- 76 LIZ B 03.12.2. Off Chinamans Head, Lizard Island, Queensland (~14°40'S 145°27'E), reef rock, 7 m, P.B. Weate & P.A. Hutchings, 8 January 1977.
Mallacoota balara
- 76 LIZ B 03.12.3. Near Chinamans Head, Lizard Island, Queensland (14°36'S 145°38'E), reef rock, 7 m, P.B. Weate & P.A. Hutchings, 8 January 1977.
Mallacoota balara
- 76 LIZ B 4. Chinamans Head, Lizard Island, Queensland (~14°40'S 145°27'E), reef rock, 7 m, P.A. Hutchings & P.B. Weate, 17 January 1977.
Mallacoota balara
- 76 LIZ B 6.2. Off Chinamans Ridge, Lizard Island, Queensland (14°36'S 145°38'E), reef rock, 7 m, P.B. Weate, 25 August 1977.
Elasmopus crenulatus
- 76 LIZ B 6.18.3. Off Chinamans Head, Lizard Island, Queensland (14°36'S 145°38'E), reef rock, 7 m, P.B. Weate, 28 July 1977.
Elasmopus crenulatus, Mallacoota balara
- 76 LIZ B 09.15.2. Near Chinamans Head, Lizard Island, Queensland (14°36'S 145°38'E), reef rock, 7 m, P.B. Weate, 8 April 1977.
Mallacoota balara
- 76 LIZ B 09.15.3. Off Chinamans Head, Lizard Island, Queensland (14°41'S 145°27'E), reef rock, 7 m, P.B. Weate, 8 April 1977.
Mallacoota balara
- 76 LIZ B 9.18.3. Fringing reef between Bird and South Islands, Lizard Island, Queensland (14°41'52"S 145°27'51"E), reef rock, 7 m, P.A. Hutchings, 1 August 1977.
Mallacoota balara
- 76 LIZ B 9.21.1. Off Chinamans Head, Lizard Island, Queensland (~14°41'S 145°27'E), reef rock, reef rock, 7 m, P.A. Hutchings, 29 October 1977.
Mallacoota balara
- 76 LIZ B 09.21.2. Off Chinamans Head, Lizard Island, Queensland (~14°41'S 145°27'E), reef rock, 7 m, P.A. Hutchings, 28 July 1977.
Mallacoota balara
- 76 LIZ B 12.18.1. Off Chinamans Head, Lizard Island, Queensland (~14°41'S 145°27'E), reef rock, 7 m, P.A. Hutchings, 28 July 1977.
Mallacoota balara
- 76 LIZ B 12.21.2. Off Chinamans Head, Lizard Island, Queensland (~14°41'S 145°27'E), reef rock, 7 m, P.B. Weate & P.A. Hutchings, 29 October 1977.
Mallacoota balara, Parelasmopus suensis
- 76 LIZ B 12.24.2. Off Chinamans Head, Lizard Island, Queensland (~14°40'S 145°28'E), reef rock, 7 m, P.B. Weate & P.A. Hutchings, 19 January 1977.

Elasmopus crenulatus, *Mallacoota balara*, *Pareiasmopus suensis*, *Quadrimaera* cf. *reishi*

78 LIZ PBW-2. Fringing reef between Bird Islet and South Island, Lizard Island, Queensland (~14°42'S 145°28'E), airlifted sand, 12 m, P.B. Weate & P.M. Berents, 14 April 1978.

Monoculodes tropicalis

78 LIZ PBW-6. Osprey Islet, Lizard Island, Queensland (14°40'S 145°26'E), sand from reef rock with clumps of hard and soft coral and rubble, 6 m, P.B. Weate, 17 April 1978.

Monoculodes tropicalis

AJB H1/29/11. Harbour, Heron Island, Queensland (23°27'S 151°55'E), night light, A.J. Bruce, 12 June 1978.

Synopia ultramarina

AU 38. Seaward side of outermost reef between Lizard Island and Palfrey Island, Lizard Island, Queensland (14°42'S 145°27.5'E), patches of coarse coral sand and rubble between bommies, sparse low *Halodule*, hand dredge, 7–8 m, J. Just, 17 July 1984.

Ambicholestes magellani

BK 111. Between Bird Islet and South Island, Lizard Island, Queensland (14°42'S 145°27.5'E), rubble with sparse filamentous red algae and abundant encrusting red algae from depression in coral between scattered coral heads, 7.6–9.1 m, B. Kensley, 9 January 1982.

Shoemakerella barnardi

BK 113. Patch reefs off Palfrey Island, Lizard Island, Queensland (14°41'S 145°27'E), rubble in depressions between coral heads, 8 m, B. Kensley, 10 January 1982.

Quadrisegmentum lowryi

BK 114. North Point, Lizard Island, Queensland (14°41'S 145°27'E), fine filamentous algae, 2 m, B. Kensley, 11 January 1982.

Hemiaegina minuta, *Pseudaeginella* cf. *biscaynensis*

BK 119. Reef of North Point, Lizard Island, Queensland (14°41'S 145°27'E), coral rubble at base of cliff, fine filamentous reds, 20 m, B. Kensley, 13 January 1982.

Ambicholestes magellani

BK 122. Between South Island and Palfrey Island, Lizard Island, Queensland (14°41'S 145°27'E), rubble with low algal turf from shallow ridge between islands, numerous pink frilly-edged foraminiferans on surface of sediment, 1.5–3 m, B. Kensley, 14 January 1982.

Ambicholestes magellani

BK 126. Reef flat between Bird Islet and South Island, Lizard Island, Queensland (~14°42'S 145°28'E), algal-encrusted rubble from rocky horizontal platform with scattered coral clumps, abundant red filamentous algae, *Turbinaria* and *Halimeda*, 1.5–2.4 m, B. Kensley, 16 January 1982.

Tryphosella cameloides, *Pseudaeginella* cf. *biscaynensis*

BK 129. Foot of drop-off, off Coconut Beach, Lizard Island, Queensland (14°42'S 145°28'E), coarse rubble with *Lithothamnion* and low algal turf, 17 m, B. Kensley, 19 January 1982.

Shoemakerella barnardi

BK 130. Between Palfrey Island and South Island, Lizard Island, Queensland (~14°42'S 145°27'E), coarse sediment and small coral rubble from depressions between coral heads, 1.5–1.8 m, B. Kensley, 19 January 1982.

Ambicholestes magellani

- BK 131. Between Palfrey Island and South Island, Lizard Island, Queensland (~14°42'S 145°27'E), coarse sand and sediment shelf, scattered small coral heads, 0.5–1 m, B. Kensley, 19 January 1982.
Ambicholestes magellani, *Tryphosella cameloides*
- CA 12. Fantome Island, Queensland (18°40'S 146°31'E), low water mark, *Sargassum* sp., G. Edgar, 18 July 1996.
Paragrubia edgari, *Sunamphitoe fantome*
- DN 77–42. One Tree Island lagoon, Queensland (23°20'S 152°05'E), light trap, P.S. McWilliam, 2 December 1977.
Birubius oti
- EBS 200. Off Towra Beach, Botany Bay, New South Wales (34.0'S 151.10'E), sand, 2.7 m, 11 April 1973.
Birubius batei
- EM 1b. Middleton Reef, Tasman Sea (29°27.2'S 159°6.8'E), dead coral rubble, 10 m, R.T. Springthorpe & J.K. Lowry, 4 December 1987, RV *Flamingo Bay*, Australian Museum Elizabeth and Middleton Reefs Expedition.
Shoemakerella barnardi
- EM 7b. Middleton Reef, Tasman Sea (29°27.7'S 159°5.4'E), *Codium* and coarse sediment, ~9 m, J.K. Lowry on RV *Flamingo Bay*, 5 December 1987, Australian Museum Elizabeth and Middleton Reefs Expedition.
Shoemakerella barnardi
- EM 8.1a. Middleton Reef, Tasman Sea (29°27.4'S 159°03.7'E), reef shelf near wreck of the *Runic*, unknown habitat, probably rubble, 9–12 m, airlift, R.T. Springthorpe, 5 December 1987, Australian Museum Elizabeth and Middleton Reefs Expedition.
Shoemakerella barnardi
- EM 8.1c. Middleton Reef, Tasman Sea (29°27.4'S 159°03.7'E), reef shelf near wreck of the *Runic*, habitat not recorded, possibly coral rubble, algae and coarse sediment, 9–12 m, R.T. Springthorpe & J.K. Lowry on RV *Flamingo Bay*, 5 December 1987, Australian Museum Elizabeth and Middleton Reefs Expedition.
Azotostoma fusta, *Shoemakerella barnardi*
- EM 8.1d. Middleton Reef, Tasman Sea (29°27.4'S 159°03.7'E), reef shelf near wreck of the *Runic*, habitat not recorded, possibly coral rubble, algae and coarse sediment, 9–12 m, R.T. Springthorpe & J.K. Lowry on RV *Flamingo Bay*, 5 December 1987, Australian Museum Elizabeth and Middleton Reefs Expedition.
Shoemakerella barnardi
- EM 8e. Middleton Reef, Tasman Sea, 29°27.4'S 159°03.7'E, 15 m, reef shelf near wreck of the *Runic*, habitat not recorded, 5 December 1987, Australian Museum Elizabeth and Middleton Reefs Expedition.
Shoemakerella barnardi
- EM 8f. Middleton Reef, Tasman Sea (29°27.4'S 159°03.7'E), reef shelf near wreck of the *Runic*, brown algae, ~15 m, I. Loch on RV *Flamingo Bay*, 5 December 1987, Australian Museum Elizabeth and Middleton Reefs Expedition.
Shoemakerella barnardi
- EM 21i. Middleton Reef, Tasman Sea (29°29.5'S 159°06.2'E), outer reef slope near wreck of the the *Annasona*, air lift around rocks, rubble and algae in gutter, ~12 m, J.K. Lowry & R.T. Springthorpe on RV *Flamingo Bay*, 9 December 1987, Australian Museum Elizabeth and Middleton Reefs Expedition.
Shoemakerella barnardi
- EM 30. Elizabeth Reef, Tasman Sea (29°57.2'S 159°01.2'E), dead coral rubble, ~12 m, R.T. Springthorpe & J.K. Lowry on RV *Flamingo Bay*, 10 December 1987, Australian Museum Elizabeth and Middleton Reefs Expedition.
Shoemakerella barnardi

FNQ 79-26. West tip of Raine Island, Queensland (11°36'S 144°01'E), 20 m, trawl, Australian Museum Fish Department, RV *Lady Basten*, 11 February 1979.

Pseudambasia acuticaudata

FT 106. First Lagoon, One Tree Island, Queensland (~23°30.2'S 152°5.3'E), low tide, plankton tow, night, F.H. Talbot, 4 December 1966.

Periocolodes talboti, *Telsosynopia trifidilla*

FT 107. First Lagoon, One Tree Island, Queensland (~23°30'S 152°05'E), low tide, plankton tow, F.H. Talbot, 4 December 1966.

Aborolobatea insidiosa

HI-3. Bommie west of harbour entrance, Heron Island, Queensland (23°27'S 151°55'E), J.K. Lowry, 7 December 1978.

Monocolodes tropicalis

HI-B3-11. Reef flat, Heron Island, Queensland (23°27'S 151°55'E), algae, R. Boes & B. Hensley, 5 September 1980.

Mallacoota capricornia

J&S 1.2. 100 m off east end of Mangrove Beach, Blue Lagoon, Lizard Island, Queensland (14°40'S 145°28'E), medium sediment, 3 m, A. Jones & C. Short, 30 September 1978.

Periocolodes talboti

J&S 1.4. 500 m east of Palfrey Island, Blue Lagoon, Lizard Island, Queensland (14°40'S 145°28'E), fine sticky sediment, 12 m, A. Jones & C. Short, 9 October 1978.

Periocolodes talboti

J&S 1.5. 250 m east-south-east of Palfrey Island, Blue Lagoon, Queensland (14°40'S 145°28'E), very fine sticky sediment, 12 m, A. Jones & C. Short, 12 October 1978.

Periocolodes talboti

J&S 2.2 (replicate 2.2.1). Mid-channel between Bird Islet and Trawler Beach, Lizard Island, Queensland (14°40'S 145°28'E), fine sediment, 10.6 m, A. Jones & C. Short, 12 October 1978.

Periocolodes talboti

J&S 2.3 (replicates 2.3.1 – 2.3.4). 200 m south-west of Freshwater Beach, Lizard Island, Queensland (14°40'S 145°28'E), medium sediment, 3 m, A. Jones & C. Short, 10 October 1978.

Periocolodes talboti

J&S B 1.1. 100 m off east end of Mangrove Beach, Blue Lagoon, Lizard Island, Queensland (14°40'S 145°28'E), 3.6 m, A. Jones & C. Short, 11 October 1978.

Periocolodes talboti

J&S B 2.1. 100 m off east end of Mangrove Beach, Blue Lagoon, Lizard Island, Queensland (14°40'S 145°28'E), 3.6 m, A. Jones & C. Short, 11 October 1978.

Periocolodes talboti

J&S B 3.2. 100 m off east end of Mangrove Beach, Blue Lagoon, Lizard Island, Queensland (14°40'S 145°28'E), 3.6 m, A. Jones & C. Short, 11 October 1978.

Periocolodes talboti

J&S B 3.3. 100 m off east end of Mangrove Beach, Blue Lagoon, Lizard Island, Queensland (14°40'S 145°28'E), 3.6 m, A. Jones & C. Short, 11 October 1978.

Periocolodes talboti

- J&S B 3.4. 100 m off east end of Mangrove Beach, Blue Lagoon, Lizard Island, Queensland (14°40'S 145°28'E), 3.6 m, A. Jones & C. Short, 11 October 1978.
Perioculodes talboti
- J&S C 1.1.4. 100 m off east end of Mangrove Beach, Blue Lagoon, Lizard Island, Queensland (14°40'S 145°28'E), 3.6 m, A. Jones & C. Short, 11 October 1978.
Perioculodes talboti
- J&S C 1.1.5. 100 m off east end of Mangrove Beach, Blue Lagoon, Lizard Island, Queensland (14°40'S 145°28'E), 3.6 m, A. Jones & C. Short, 11 October 1978.
Perioculodes talboti
- J&S C 1.2.4. 100 m off east end of Mangrove Beach, Blue Lagoon, Lizard Island, Queensland (14°40'S 145°28'E), 3.6 m, A. Jones & C. Short, 11 October 1978.
Perioculodes talboti
- JDT/LIZ 2. Patch reef 200 m west of point (southern most tip) of Lizard Island, Queensland (14°41'S 145°27'E), tunicates, 1 m, J.D. Thomas, 22 January 1989.
Quadrimaera quadrimana
- JDT/LIZ 3. Patch reef off Lizard Head, Lizard Island, Queensland (14°41'S 145°27'E), rubble, 1 m, J.D. Thomas, 23 January 1989.
Chevalia tenuis, *Colomastix lunalilo*, *Colomastix plumulosa*, *Colomastix thomasi*, *Leucothoe laevipalma*, *Liljeborgia joergpeteri*, *Pareiasmopus cymatilis*, *Polycheria goanna*, *Quadrimaera quadrimana*, *Quadrimaera serrata*
- JDT/LIZ 4. Ferriers Creek, Lizard Island, Queensland (14°40'S 145°27'E), J.D. Thomas, 24 January 1989, sample taken at low tide, creek lined with mangroves.
Tegano atkinsae
- JDT/LIZ 5. Point separating Anchor Bay and Mrs Watsons Bay, Lizard Island, Queensland (14°40'S 145°27'E), rubble, 2 m, J.D. Thomas, 24 January 1989.
Colomastix plumulosa, *Leucothoe laevipalma*, *Liljeborgia joergpeteri*, *Mallacoota balara*, *Pareiasmopus cymatilis*
- JDT/LIZ 7. Patch reef near and along south-western border where reef meets sand plain, Mrs Watsons Bay, Lizard Island, Queensland (14°40'S 145°27'E), rubble, 1–2 m, J.D. Thomas, 25 January 1989.
Chevalia tenuis, *Colomastix japonica*, *Colomastix plumulosa*, *Seba gruneri*, *Wandin griffini*
- JDT/LIZ 8. Mermaid Beach, Lizard Island, Queensland (14°41'S 145°27'E), rubble, 1–2 m, J.D. Thomas, 26 January 1989.
Wandin griffini
- JDT/LIZ 9. Mermaid Beach, Lizard Island, Queensland (14°41'S 145°27'E), sediment, 1–2 m, J.D. Thomas, 26 January 1989.
Ampelisca jügurru, *Dexaminoculus grobbeni*
- JDT/LIZ 10. Fore-reef, North point, Lizard Island, Queensland (14°41'S 145°27'E), sediment plain of biogenic mud with *Halimeda* flakes overlain by fine, flocculent particle layer, 25 m, J.D. Thomas, 26 January 1989.
Ampelisca jügurru, *Dexaminoculus grobbeni*
- JDT/LIZ 12. Patch reef on north shore of Palfrey Island, Lizard Island, Queensland (14°41'S 145°27'E), rubble, 1.5 m, J.D. Thomas, 27 January 1989.
Colomastix plumulosa

JDT/LIZ 13. North Point, Lizard Island, Queensland (14°41'S 145°27'E), rubble sample from vertical cliffs and unconsolidated bottom rubble, 12.2 m, J.D. Thomas, 28 January 1989.

Colomastix dentipalma, *Colomastix plumulosa*, *Leucothoe laevipalma*, *Leucothoe odontiskos*, *Leucothoe rudicula*, *Mallacoota scopulosa*, *Wandin griffini*

JDT/LIZ 14. South of Lizard Head, Lizard Island, Queensland (14°41'S 145°27'E), rubble, 2 m, J.D. Thomas, 29 January 1989.

Bemlos aequimanus, *Colomastix lunalilo*, *Colomastix plumulosa*, *Colomastix thomasi*, *Cymadusa khbarnardi*, *Elasmopus veranocephalensis*, *Leucothoella gracilis*, *Mallacoota balara*, *Ochlesis alii*, *Parelasmpus cymatilis*, *Polycheria goanna*, *Tryphosella cameloides*

JDT/LIZ 15. Lizard Head, Lizard Island, Queensland (~14°41'S 145°27'E), coral rubble, J.D. Thomas & J. Clark, 31 January 1989.

Azotostoma fusta, *Colomastix lunalilo*, *Colomastix thomasi*, *Jerbarnia stocki*, *Leucothoe adelphe*, *Leucothoella gracilis*, *Paragrubia edgari*, *Pseudambasia acuticaudata*, *Tryphosella cameloides*

JDT/LIZ 16. Beach near boat mooring area, Lizard Island, Queensland (~14°41'S 145°27'E), sand, J.D. Thomas, 1 February 1989.

Jerbarnia stocki

JDT/LIZ 17. South-west of Lizard Head, Lizard Island, Queensland (~14°41'S 145°27'E), wash of algal covered unconsolidated rubble, 1.5 m, J.D. Thomas, 1 February 1989.

Colomastix thomasi, *Guernea ipilya*, *Jerbarnia stocki*, *Tryphosella cameloides*

JDT/LIZ 18. Lizard Head, Lizard Island, Queensland (14°41'S 145°27'E), sand from sand pockets in and around rubble area, J.D. Thomas, 2 February 1989.

Perioculodes talboti

JDT/LIZ 19. Off Lizard Head, Lizard Island, Queensland (14°41'S 145°27'E), small pieces of rubble lying on sand, J.D. Thomas, 2 February 1989.

Bemlos aequimanus, *Birubius batei*, *Colomastix thomasi*, *Seba gruneri*, *Tryphosella cameloides*

JDT/LIZ 20. South-east side of Palfrey Island, Lizard Island, Queensland (14°41'S 145°27'E), heavy algal turf, fine sediment, rubble on sandy substrate, 1 m, J.D. Thomas, 4 February 1989.

Aoroides palfreyensis, *Leucothoella gracilis*,

JDT/LIZ 21. South-west point Palfrey Island, near Lizard Island, Queensland (14°41'S 145°27'E), rubble, J.D. Thomas, 6 February 1989.

Tryphosella cameloides

JDT/OPH 1. Cove south of resort, Orpheus Island, Queensland (~18°37'S 146°30'E), site covered with fine silts with small amounts of rubble lying about, 1–2 m, J.D. Thomas, 12 February 1989.

Colomastix lunalilo, *Colomastix plumulosa*, *Liljeborgia joergpeteri*, *Tryphosella cameloides*

JDT/OPH 2. Cobble Beach, north of Picnic Bay, Orpheus Island, Queensland (~18°37'S 146°30'E), coral rubble in reef front, 2 m, J.D. Thomas, 12 February 1989.

Ceradocus crenatipalma, *Ceradocus* cf. *rubromaculatus*, *Ochlesis alii*, *Quadrimeaera quadrimana*, *Quadrimeaera serrata*

JDT/OPH 3. Mangrove Creek, North end of Pioneer Bay, Orpheus Island, Queensland (~18°37'S 146°30'E), mud and algal turf on granite cobbles, 1 m, J.D. Thomas, 12 February 1989.

Mallacoota schellenbergi

- JDT/OPH 4. Just beyond reef front at boat mooring area, Proven Bay, Orpheus Island, Queensland (~18°37'S 146°30'E), greyish carbonate sand with fine flocculent algal layer on surface, 4 m, J.D. Thomas, 12 February 1989.
Dexaminoculus grobbeni, *Guerneia ipilya*
- JDT/OPH 6. Reef front east of Iris point, Orpheus Island, Queensland (~18°37'S 146°30'E), medium biogenic sand, 4 m, J.D. Thomas, 13 February 1989.
Monoculodes tropicalis, *Platyischnopus mam*
- JDT/OPH 7. Reef front at Cattle Bay, Orpheus Island, Queensland (~18°37'S 146°30'E), grey carbonate sediment, 3–4 m, J.D. Thomas, 13 February 1989.
Platyischnopus mam
- JDT/OPH 8. Reef front near boat moorings, Pioneer Bay, Orpheus Island, Queensland (~18°37'S 146°30'E), sediment, J.D. Thomas, 13 February 1989.
Dexaminoculus grobbeni
- JDT/OPH 9. Reef front near north-east point, Orpheus Island, Queensland (~18°37'S 146°30'E), sand, J.D. Thomas, 13 February 1989.
Ampelisca jügurru, *Tottungus solivagus*
- JDT/OPH 11. Reef front, northern-most bay, Fantome Island, Queensland (~18°41'10"S 146°31'08"E), sand, 3 m, J.D. Thomas, 14 February 1989.
Aborolobatea insidiosa, *Ampelisca dimboola*, *Dexaminoculus grobbeni*, *Platyischnopus mam*, *Tomituka eumilli*
- JDT/OPH 13. Beyond reef flat at north-east point, Orpheus Island, Queensland (~18°37'S 146°30'E), sand, 8 m, J.D. Thomas, 15 February 1989.
Aborolobatea insidiosa, *Ampelisca jügurru*, *Platyischnopus mam*, *Tomituka eumilli*, *Tottungus solivagus*
- JDT/OPH 23. Fantome Island, Queensland (~18°41'10"S 146°31'08"E), pink ball sponge, 3 m, K.N. Klebba, 23 May 2004.
Leucothoe eumilli
- JDT/OPH 24. Pioneer Bay, Orpheus Island, Queensland (~18°36'S 146°29'E), *Haliclona* sp. sponge, 5 m, K.N. Klebba, 24 May 2004.
Leucothoe bova
- JDT/OPH 25. Pioneer Bay, Orpheus Island, Queensland (~18°36'S 146°29'E), red encrusting sponge on reef, 2 m, K.N. Klebba, 27 May 2004.
Leucothoe undulata
- JML 7-10-1. Off Osprey Islet, Lizard Island area, Queensland (14°40'S 145°26'E), plankton tow, J.M. Leis, 7 October 1979.
Monoculodes tropicalis, *Synopia ultramarina*, *Syrrhoe petitaserrata*
- JML 7-10-2. Off Osprey Islet, Lizard Island area, Queensland (14°40'S 145°26'E), plankton tow, J.M. Leis, 7 October 1979.
Monoculodes tropicalis, *Synopia ultramarina*, *Syrrhoe petitaserrata*, *Telsosynopia trifidilla*, *Waldeckia enoei*
- JML 7-10-3. off Osprey Islet, Lizard Island area, Queensland (14°40'S 145°26'E), plankton tow, 6 m over bottom depth 15 m, J.M. Leis, 7 October 1979.
Synopia ultramarina, *Telsosynopia trifidilla*, *Waldeckia enoei*
- JML 16-10-7. Blue Lagoon, Lizard Island, Queensland (~14°40'S 145°28'E), plankton tow, night, no moon, J.M. Leis, 16 October 1979.
Azotostoma fusta, *Monoculodes tropicalis*, *Synopia ultramarina*, *Telsosynopia trifidilla*

- JML 16-10-8. Blue Lagoon, Lizard Island, Queensland (~14°40'S 145°28'E), plankton tow, J.M. Leis, 16 October 1979.
Monoculodes tropicalis, *Periocolodes talboti*, *Synopia ultramarina*, *Tomituka eumilli*
- JML 16-10-9. Blue Lagoon, Lizard Island, Queensland (~14°40'S 145°28'E), night plankton tow, J.M. Leis, 16 October 1979.
Monoculodes tropicalis, *Periocolodes talboti*, *Platyischnopus mam*, *Synopia ultramarina*, *Telsosynopia trifidilla*
- JML 17-10-2. Blue Lagoon, Lizard Island, Queensland (14°41'S 145°27'E), plankton tow, 3 m, J.M. Leis, 17 October 1979.
Bamarooka tropicalis, *Synopia ultramarina*
- JML 20-10-1. Blue Lagoon, Lizard Island, Queensland (~14°40'S 145°28'E), plankton tow, night, no moon, 6 m, J.M. Leis, 20 October 1979.
Azotostoma fusta, *Monoculodes tropicalis*, *Synopia ultramarina*
- JML 20-10-2. Blue Lagoon, Lizard Island, Queensland (~14°40'S 145°28'E), plankton tow, night, no moon, 6 m, J.M. Leis, 20 October 1979.
Azotostoma fusta, *Monoculodes tropicalis*, *Periocolodes talboti*, *Platyischnopus mam*, *Pseudambasia acuticaudata*, *Synopia ultramarina*, *Telsosynopia trifidilla*
- JML 24-7-4. Blue Lagoon, Lizard Island, Queensland (~14°40'S 145°28'E), J.M. Leis, 24 July 1979.
Synopia ultramarina
- JML 81-26-11-4. Between Lizard Island and Carter Reef, Queensland (14°35'S 145°35'E), algae and sediment, epibenthic sled, 32–38 m, J.M. Leis, 26 November 1981.
Azotostoma fusta, *Bamarooka tropicalis*, *Cerapus volucola*, *Icilius caledoniana*, *Nagada uwedoae*, *Pseudambasia acuticaudata*, *Wandin griffini*
- JML 83-4-3-11. Carter Reef, Lizard Island, Queensland (14°35'S 145°35.5'E), plankton tow, 6–13 m over water depth of 25 m, 2130 hrs, J.M. Leis, 4 March 1983.
Azotostoma fusta
- JML 83/7-3-11. Lee of Carter Reef, Lizard Island area, Queensland (14°33'S 145°35' E), plankton tow over sand and scattered coral heads, 0–6 m over bottom depth 25–30 m, J.M. Leis, 7 March 1983.
Waldeckia enoei
- JML 84-4-11-4-N. Off Outer Barrier, 4.5 nautical miles east of Noname Reef, between Carter and Yonge Reefs, Queensland (14°37.1'S 148°43.6'E), neuston sample, floating pumice, J.M. Leis, RV *Sunbird*, 4 November 1984.
Ampithoe kava
- Kimbla 2. Off Moreton Bay, Queensland (27°27'22"S 153°39'E), 76.8 m, W.F. Ponder, 29 March 1969, HMAS *Kimbla*.
Tryphosella charlottae
- Kimbla Q 11. Off south end of Fraser Island, Queensland (25°48'S 153°46'E), 73 m, J.K. Lowry, W.F. Ponder & F. Rowe, HMAS *Kimbla*, 10 November 1976.
Tryphosella charlottae
- LTN 77–26. Reef C, lagoon, One Tree Island, Capricorn Group, Queensland, (23° 30' S, 152° 05' E) light trap, P.S. McWilliam, 30 December 1977.
Telsosynopia trifidilla
- MAGNT 1. Channel Rock, off East Point, Darwin Harbour, Northern Territory (12°33'00"S 130°52'01"E), 17 August 1983.
Pareiasmopus cymatilis

- MAGNT 2. Dudley Point, near East Point, Darwin Harbour, Northern Territory (12°25'01"S 130°48'36"E), 23 May 1984.
Mallacoota chandaniae
- MAGNT 3. Channel Island, Middle Arm, Darwin Harbour, Northern Territory (12°33'00"S 130°52'01"E), *Halimeda* washings, seagrass bed, low tide, P.N. Alderslade, 31 October 1985.
Mallacoota chandaniae, *Pareiasmopus cymatilis*
- MAGNT 4. Channel Island, Middle Arm, Darwin Harbour, Northern Territory (12°33'00"S 130°52'01"E), 14 November 1985.
Pareiasmopus cymatilis
- MAGNT 5. Fort Hill Wharf, Darwin Harbour, Northern Territory (12°28'19"S 130°50'49" E), 23 August 1986.
Pareiasmopus cymatilis
- MAGNT 6. Elliot Point, Darwin, Northern Territory (12°28'S 130°49'E), Bryozoan, *Adeonella* (Busk, 1884), 22 m, K.E. Coombes & L. Vail, 3 April 1990.
Pareiasmopus cymatilis
- MAGNT 7. 6 nautical miles north-east of Cape Ford, Anson Bay, Beagle Gulf, Northern Territory (13°28'S 129°56'E), 1 October 1993.
Mallacoota chandaniae
- MAGNT 8. North-north-west of North Peron Island, Beagle Gulf, Northern Territory (13°10'S 130°2'E), 4 October 1993.
Pareiasmopus cymatilis
- MAGNT 9. 3 nautical miles west of Quail Island, Grose Island, Beagle Gulf, Northern Territory (21°31'S 130°26'E), 6 October 1993.
Pareiasmopus suensis
- MAGNT 10. North-east of Glyde Point, Vernon Islands, Beagle Gulf, Northern Territory (12°9'S 131°7'E), 10 October 1993.
Mallacoota chandaniae
- MAGNT 11. West of Gunn Point, Shoal Bay, Beagle Gulf, Northern Territory (12°11'S 131°0'E), 11 October 1993.
Pareiasmopus cymatilis
- MAGNT 12. South-south-east of Lyne Reef, Vernon Islands, Beagle Gulf, Northern Territory (12°7.08'S 130°39.04'E), 11 October 1993.
Mallacoota chandaniae
- MAGNT 13. Charles Point, Beagle Gulf, Northern Territory (12°23'S 130°37'E), 13 October 1993.
Mallacoota chandaniae
- MAGNT 14. Inner Fort Hill Wharf, Darwin Harbour, Northern Territory (12°28'19"S 130°50'49"E), 15 August 1998.
Pareiasmopus cymatilis
- MAGNT 15. Iron Ore Wharf, Darwin Harbour, Northern Territory (12°28'23"S 130°50'35"E), 16 August 1998.
Mallacoota chandaniae, *Pareiasmopus cymatilis*
- MAGNT 16. Near Stokes Hill Wharf, Darwin Harbour, Northern Territory (12°28'12"S 130°50'53"E), 18 August 1998.
Pareiasmopus cymatilis

- MAGNT 17. Fort Hill Wharf, Darwin, Northern Territory (12°28'19"S 130°50'49"E), 27 March 1999.
Mallacoota chandaniae, *Pareiasmopus cymatilis*, *Pareiasmopus suensis*
- MAGNT 18. Iron Ore Wharf, Darwin Harbour, Northern Territory (12°28'23"S 130°50'35"E), 28 March 1999.
Mallacoota chandaniae, *Pareiasmopus cymatilis*
- MAGNT 19. Site 2, ExporWharf, Gove Harbour, Northern Territory (12°12'18"S 136°40'12"E), 7 May 2001.
Mallacoota chandaniae
- MAGNT 20. Site 1, ExporWharf, Gove Harbour, Northern Territory (12°12'18"S 136°40'12"E), 7 June 2001.
Mallacoota chandaniae
- MAGNT 21. Opposite Rankin Point, Bynoe Harbour, Northern Territory (12°40'59"S 130°34'59"E), 21 March 2002.
Mallacoota chandaniae
- MAGNT 22. Iron Ore Wharf, Darwin Harbour, Northern Territory (12°28'19"S 130°50'35"E), 17 August 2002
Pareiasmopus cymatilis
- MAGNT 23. South Shell Island, East Arm, Darwin Harbour, Northern Territory (12°29'49"S 130°53'13"E), 19 August 2002.
Pareiasmopus cymatilis
- MAGNT 24. Dawson Rock, Bynoe Harbour, Northern Territory (12°42'18"S 130°35'35"E), 9 June 2003
Pareiasmopus cymatilis
- MAGNT 25. Field Island, Kakadu National Park, Northern Territory (12°03'25"S 132°24'32"E), 19 August 2004.
Pareiasmopus cymatilis
- MAGNT 26. Raffles Bay, Cobourg Peninsula, Northern Territory (11°16'01"S 132°24'E), 6 April 2006.
Elasmopus pecteniscrus
- MAGNT 27. Raffles Bay, Cobourg Peninsula, Northern Territory (11°16'01"S 132°24'E), 27 July 2006.
Elasmopus pecteniscrus
- MAGNT 28. Raffles Bay, Cobourg Peninsula, Northern Territory (11°16'01"S 132°24'E), 8 April 2007.
Elasmopus pecteniscrus
- MAGNT 29. Garden Point, Melville Island, Northern Territory (11°23'56"S 130°24'54"E), 20 May 2007.
Mallacoota chandaniae
- MAGNT 30. Groote Eylandt, Northern Territory (13°51'40"S 136°25'01"E), 14 March 2006.
Elasmopus pecteniscrus
- MAGNT 31. Port Essington, Northern Territory (11°19'59"S 132°10'00"E).
Elasmopus alalo
- MAGNT 32. 2 nautical miles north of Bass Reef, Grose Islands, Beagle Gulf, Northern Territory (12°31.02'S 130°20.04'E), gravel (sponge bed), 15 m, R.S. Williams, Beagle Gulf Marine Park Survey, FV "Kunmunyah", 5 October 1993.
Mallacoota chandaniae
- MAGNT 33. West of North Peron Island, Beagle Gulf, Northern Territory (13°10.26'S 129°55.62'E), coarse sand and shale, 15 m, R.S. Williams, Beagle Gulf Marine Park Survey, FV "Kunmunyah", 3 October 1993.
Pareiasmopus cymatilis

MAGNT 34. East of Bateman Shoal, Anson Bay, Beagle Gulf, Northern Territory (13° 12.96'S 129°59.1'E), rocky bottom, 13 m, R.S. Williams, Beagle Gulf Marine Park Survey, FV "Kunmunyah", 3 October 1993.

Pareiasmopus suensis

MAGNT 35. 2 nautical miles south of North Peron Island, Anson Bay, Beagle Gulf, Northern Territory (13°13.26'S 130°1.92'E), coarse sand and shale, 9 m, R.S. Williams, Beagle Gulf Marine Park Survey, FV "Kunmunyah", 3 October 1993.

Mallacoota chandaniae

MAGNT 36. North of North West Vernon Island, Beagle Gulf, Northern Territory (12° 1.02'S 131°1.86'E), shale and gravel, 38 m, K.E. Coombes, Beagle Gulf Marine Park Survey, FV "Kunmunyah", 11 October 1993.

Mallacoota chandaniae, *Pareiasmopus cymatilis*

MAGNT 37. Sandy Island No. 2, Cobourg Peninsula, Northern Territory (11°5.5'S 132°17'E), coral reef slope, 7 m, P.N. Alderslade & J.N.A. Hooper, FV "Alegrias", 20 October 1981.

Mallacoota chandaniae

MAGNT 38. Lee Point, Shoal Bay, Darwin, Northern Territory (12°19.5'S 130°52.5'E), *Halimeda* washings, 1 m, C. Watson-Russell, 3 September 1984.

Pareiasmopus cymatilis

MAGNT 39. Channel Island, Middle Arm, Darwin Harbour, Northern Territory (12°33'S 130°52'E), *Halimeda* washings, seagrass bed, SLT, C. Watson-Russell, 17 October 1985.

Pareiasmopus cymatilis

NCL 110. Midway between Îlot des Goelands and Grand Récif d'Abore, New Caledonia (22°24'06"S 166°20'54"E), fine red filamentous alga, 10 m, J.K. Lowry, 16 November 1995.

Pseudambasia acuticaudata

NCL 112. Midway between Îlot des Goelands and Grand Récif d'Abore, New Caledonia (22°24.10'S 166°20.90'E), fine sand with patches of algae (maybe bluegreen), 10 m, J.K. Lowry, 16 November 1995.

Azotostoma fusta

NCL 140. Poé Plage, New Caledonia (21°36'25"S 165°22'44"E), 20–50 m off the beach, *Cymodoce* meadow on white sand, J.K. Lowry, 21 November 1995.

Melita myersi

NCL 155. Grand Récif Mbere, New Caledonia (22°19.90'S 166°13.24'E), coarse rubble with *Didemnum*, 12 m, J.K. Lowry, 21 November 1995.

Azotostoma fusta

NCL 156. Grand Récif Mbere, New Caledonia (22°19.90'S 166°13.24'E), coarse sand and rubble from gully, 10–12 m, J.K. Lowry, 21 November 1995.

Pseudambasia acuticaudata, *Wandin griffini*

NL 1-77. Reef C, First Lagoon, One Tree Island, Capricorn Group (23°30'S 152°05'E), P.S. McWilliam, P.F. Sale, 21 May 1977.

Telsosynopia trifidilla

NT 1. Reef on north side of New Year Island, Northern Territory (10°54'S 133°02'E), red algae, 2 m, G.C.B. Poore, 13 October 1982.

Mallacoota chandaniae

- NT 3. Reef on north side of New Year Island, Northern Territory (10°54'S 133°02'E), coarse sand, 6 m, J.K. Lowry, 13 October 1982.
Pseudambasia acuticaudata
- NT 6. Reef, north side of New Year Island, Northern Territory (10°54'S 133°02'E), zoantharian: *Palythoa*, 6 m, J.K. Lowry, 13 October 1982.
Elasmopus alalo
- NT 16. Patch reef, north side of New Year Island, Northern Territory (10°54'S 133°02'E), corals: *Porites* & *Lobophyton*, 10 m, G.C.B. Poore, 14 October 1982.
Elasmopus alalo
- NT 17. Patch reef, north side of New Year Island, Northern Territory (10°54'S 133°02'E), hydroids on coral, 10 m, G.C.B. Poore, 14 October 1982.
Elasmopus alalo
- NT 19. Patch reef, north side of New Year Island, Northern Territory (10°54'S 133°02'E), sponges with amphipods, 10 m, P. Horner, 14 October 1982.
Elasmopus alalo
- NT 22. South side of New Year Island, Northern Territory (10°54'S 133°02'E), hydroids, small yellow tunicates, 14 m, G.C.B. Poore, 14 October 1982.
Elasmopus alalo
- NT 24. South side of New Year Island, Northern Territory (10°54'S 133°02'E), sand, 14 m, G.C.B. Poore, 14 October 1982.
Pseudambasia acuticaudata
- NT 25. South side of New Year Island, Northern Territory (10°54'S 133°02'E), alga *Padina*, 14 m, J.K. Lowry, 14 October 1982.
Pseudambasia acuticaudata
- NT 26. South side of New Year Island, Northern Territory (10°54'S 133°02'E), rubble, 14 m, J.K. Lowry, 14 October 1982.
Pseudambasia acuticaudata
- NT 36. Bommies at north-west end of McCluer Island, Northern Territory (11°02'S 132°58'E), *Stylophora* bases, 8 m, P. Horner, 16 October 1982.
Elasmopus alalo
- NT 55. South end of McCluer Island, Northern Territory (11°06'S 133°00'E), coral rubble, 8 m, G.C.B. Poore, 17 October 1982.
Pseudambasia acuticaudata
- NT 58. South end, McCluer Island, Northern Territory (11°06'S 133°00'E), red algae (?*Champsia*), 8 m, J.K. Lowry, 17 October 1982.
Elasmopus alalo
- NT 59. South end, McCluer Island, Northern Territory (11°06'S 133°00'E), *Acropora* base, 8 m, P. Horner, 17 October 1982.
Elasmopus alalo
- NT 60. South end, McCluer Island, Northern Territory (11°06'S 133°00'E), coral rubble with encrusting invertebrates, 8 m, J.K. Lowry, 17 October 1982.
Elasmopus alalo

- NT 63. Intertidal coral platform, New Year Island, Northern Territory (10°54'S 133°02'E), red algae in tide pool, J.K. Lowry, 18 October 1982.
Mallacoota capricornia
- NT 65. Intertidal coral platform, New Year Island, Northern Territory (10°54'S 133°02'E), red algae with sediment, J.K. Lowry, 18 October 1982.
Mallacoota capricornia
- NT 66. Intertidal coral platform, New Year Island, Northern Territory (10°54'S 133°02'E), *Halimeda*, J.K. Lowry, 18 October 1982.
Mallacoota capricornia, *Pseudambasia acuticaudata*
- NT 76. Reef at west end of Oxley Island, Northern Territory (11°00'S 132°49'E), coarse sand and silt, 5 m, J.K. Lowry, 20 October 1982.
Pseudambasia acuticaudata
- NT 78. Reef at west end of Oxley Island, Arafura Sea, Northern Territory (11°00'S 132°49'E), *Halimeda*, 5 m, J.K. Lowry, 20 October 1982.
Elasmopus alalo
- NT 79. Reef at west end of Oxley Island, Northern Territory (11°00'S 132°49'E), red sponge on dead *Acropora*, 5 m, J.K. Lowry, 20 October 1982.
Elasmopus alalo
- NT 80. Reef at west end of Oxley Island, Northern Territory (11°00'S 132°49'E), red sponge on dead *Acropora*, 5 m, J.K. Lowry, 20 October 1982.
Elasmopus alalo
- NT 89. West end of East Point, Fannie Bay, Darwin, Northern Territory (11°24'30"S 130°48'30"E), *Caulerpa* and sponges, 8–10 m, J.K. Lowry, 26 October 1982.
Mallacoota chandaniae
- NT 102. West end of East Point, north end of Fannie Bay, Darwin, Northern Territory (11°24.5'S 130°48.5'E), red alga, 8–10m, P. Alderslade & J. Hooper, 26 October 1982.
Pareiasmopus suensis
- NT 169. North of West Point, Darwin, Northern Territory (12°24'36"S 130°46'12"E), baited trap, unknown substrate, probably sediment, 28 m, S. Keable, Sixth International Marine Biological Workshop, 16–17 July 1993.
Tryphosella bet
- NT 236. Old Mans Rock, off Nightcliffe, Darwin, Northern Territory (12°28'30"S 130°54'12"E), coral rubble, P.A. Hutchings, 17 July 1993.
Mallacoota chandaniae
- NT 324. West Point, Darwin Harbour, Northern Territory (12°26.24'S 130°46.00 E), dead coral rubble and sponge and algal washings, 6–8 m, P.A. Hutchings, Sixth International Marine Biological Workshop, 17 July 1993.
Pareiasmopus cymatilis
- NT 326. Old Mans Rock, off Night Cliff, Darwin Harbour, Northern Territory (12°28.5'S 130°54.2'E), dead coral rubble, 5–7 m, P. A. Hutchings, Sixth International Marine Biological Workshop, 17 July 1993.
Mallacoota chandaniae
- NT 327. Lee Point, Darwin Harbour, Northern Territory (12°20.0'S 130°53.8'E), coral rubble washings, 3–4 m, P.A. Hutchings, Sixth International Marine Biological Workshop, 10 July 1993

Pareiasmopus cymatilis

NT 344. West Point, Darwin Harbour, Northern Territory (12°26.24'S 130°46.00'E), dead coral rubble, sponges and algal washings from sponge garden, 6–8 m, P. A. Hutchings, Sixth International Marine Biological Workshop, 17 July 1993

Pareiasmopus suensis

NT 345. Between North and South Shell Islands, Darwin, Northern Territory (12°29'48"S 130°53'12"E), coral rubble and algae, P.A. Hutchings, 11 July 1993.

Elasmopus alalo, Mallacoota chandaniae, Pareiasmopus cymatilis

PD 1. Inner John Brewer Reef, Queensland (18°37'S 147°04'E), dead coral, *Pocillopora*, 10 m, P. Doherty, 1982.

Pseudambasia acuticaudata

PD 2. Inner John Brewer Reef, Queensland (18°37'S 147°04'E), dead coral, *Pocillopora*, 10 m, P. Doherty, 1982

Pseudambasia acuticaudata

PD 3. Inner John Brewer Reef, Queensland (18°37'S 147°04'E), dead coral, *Pocillopora*, 10 m, P. Doherty, 1982.

Pseudambasia acuticaudata

PD 4. Inner Lodestone Reef, Queensland (18°37'S 147°04'E), dead coral, *Pocillopora*, 10 m, P. Doherty, 1982.

Pseudambasia acuticaudata

PD 5. Outer Lodestone Reef, Queensland (18°30'S 147°10'E), dead coral, *Pocillopora*, 10 m, P. Doherty, 1982.

Pseudambasia acuticaudata

PD 6. Inner Myrmidon Reef, Queensland (18°13'S 147°37'E), dead coral, *Pocillopora*, 10 m, P. Doherty, 1982.

Pseudambasia acuticaudata

PD 7. Inner Myrmidon Reef, Queensland (18°13'S 147°37'E), dead coral, *Pocillopora*, 10 m, P. Doherty, 1982.

Pseudambasia acuticaudata

PD 8. Inner Myrmidon Reef, Queensland (18°13'S 147°37'E), dead coral, *Pocillopora*, 10 m, P. Doherty, 1982.

Pseudambasia acuticaudata

PD 9. Outer Myrmidon Reef, Queensland (18°16'S 147°22'59"E), dead coral, *Pocillopora*, 10 m, P. Doherty, 1982.

Pseudambasia acuticaudata

PD 10. Outer Pandora Reef, Queensland (18°49'S 146°25'59"E), dead coral, *Pocillopora*, 10 m, P. Doherty, 1982.

Pseudambasia acuticaudata

PD 11. Inner Rib Reef, Queensland (18°28'59"S 147°52'59"E), dead coral, *Pocillopora*, 10 m, P. Doherty, 1982.

Pseudambasia acuticaudata

PNG 14. East of Manunouha Island, Papua New Guinea (9°32.0'S 147°16.5'E), coarse sand and shell patch at base of coral reef, in algae *Galaxaura*, J.K. Lowry & S. Arnam, 26 October 1980.

Shoemakerella barnardi

PNG 51. West of Loloata Island, Bootless Bay, Papua New Guinea (9°32'S 147°17'E), seagrass beds, 1.5 m, S.P. Arnam & J.K. Lowry, 4 November 1980.

Tryphosella flynnana

PS 1. In front of research station, Lizard Island, Queensland (14°41'S 145°27'E), medium-fine sand on very low-intertidal sand flat, P.N. Slattery & J. Oliver, September 1977.

Doowia dexteræ, Perioculodes talboti, Urohaustorius drummondæ

PS 2-5. In front of research station, Lizard Island, Queensland (14°41'S 145°27'E), medium-fine sand on vey low-intertidal sand flat, P.N. Slattery, 29 September 1977.

Doowia dexteræ

PS 22.5-1. In front of research station, Lizard Island, Queensland (14°41'S 145°27'E), medium-fine sand on vey low-intertidal sand flat, P.N. Slattery, 29 September 1977.

Doowia dexteræ, Urohaustorius drummondæ

QLD 1. Off Mangrove Beach, Lizard Island, Queensland (14°40'S 145°28'E), mixed algae from bommie, 2 m, J.K. Lowry, 28 September 1978.

Colomastix japonica, Colomastix thomasi, Quadrisegmentum triangulum

QLD 2. Mrs Watsons Bay, Lizard Island, Queensland (14°40'S 145°28'E), *Halophila, Caulerpa taxifolia, Udotea orientalis, Arrainvillea erecta* and drift algae, 7.6 m, J.K. Lowry & P.C. Terrill, 29 September 1978.

Birubius batei, Dulichiella pacifica

QLD 5. Blue Lagoon, Lizard Island, Queensland (14°41'S 145°28'E), 1.5 m, C. Short & P.C. Terrill, 30 September 1978.

Perotripus keablei

QLD 6. off Mangrove Beach, Lizard Island, Queensland (14°40'S 145°28'E), sand, 1.5 m, C. Short & A.R. Jones, 30 September 1978.

Metaprotella novaehollandiae, Perotripus keablei

QLD 7. Between Mangrove Beach & South Island, Lizard Island, Queensland (14°40'S 145°28'E), sand, 9 m, J. K. Lowry & P.C. Terrill, 30 September 1978.

Protella similis, Perotripus keablei

QLD 11. West end of Blue Lagoon, Lizard Island, Queensland (14°40'S 145°28'E), algae *Halimeda micronesica, Caulerpa racemosa*, 3 m, J.K. Lowry, C. Short & P.C. Terrill, 5 October 1978.

Colomastix lunililo, Colomastix plumulosa, Metaprotella sandalensis, Podocerus talegus talegus, Shoemakerella barnardi

QLD 12. Blue Lagoon, Lizard Island, Queensland (14°40'S 145°28'E), mixed algae from artificial reef cages, *Lynbya* sp., 4.5 m, P.C. Terrill, 5 October 1978.

Metaprotella sandalensis

QLD 14. Between Bird Islet and Trawler Beach, Lizard Island, Queensland (14°40'S 145°28'E), sand, 15 m, J.K. Lowry & P.C. Terrill, 5 October 1978.

Metaprotella novaehollandiae, Perotripus keablei

QLD 16. Between Bird Islet and South Island, Lizard Island, Queensland (14°40'S 145°28'E), filamentous algae, C. Short, 7 October 1978.

Syrrhoë petitaserrata

QLD 19. Between Bird Islet and South Island, Lizard Island, Queensland (14°40'S 145°28'E), coral rubble, 6 m, P.C. Terrill, 7 October 1978.

Metaprotella sandalensis

QLD 20. Between Bird Islet and South Island, Lizard Island, Queensland (14°40'S 145°28'E), coral rubble, 6 m, J.K. Lowry, 7 October 1978.

Birubius batei, Dulzura tayloræ, Metaprotella sandalensis

- QLD 21. Fringing reef between Bird Islet and South Island, Lizard Island, Queensland (14°40'S 145°28'E), *Halophila*, mixed algae and coral rubble, 24.4–27.4 m, J.K. Lowry, 7 October 1978.
Bamarooka tropicalis, *Birubius batei*, *Dulichella pacifica*, *Metaprotella sandalensis*, *Syrrhoe petitaserrata*
- QLD 25. Off southern point of Mermaid Cove, Lizard Island, Queensland (~14°39'S 145°27'E), filamentous algae with stone washings and scrapings from crevices, 3–6.1 m, C. Short & P.C. Terrill, 8 October 1978.
Pseudambasia acuticaudata, *Quadrisegmentum triangulum*
- QLD 26. Mermaid Cove, Lizard Island, Queensland (14°41'S 145°28'E), sand between corals, 6 m, C. Short & P. C. Terrill, 8 October 1978.
Perotripus keablei
- QLD 27/28. Fringing reef between Bird Islet and South Island, Lizard Island, Queensland (14°40'S 145°28'E), *Halophila*, mixed algae and sediment from seagrass beds on reef base, 27.6 m, J.K. Lowry & P.C. Terrill, 9 October 1978.
Bamarooka tropicalis, *Colomastix plumulosa*, *Dulichella pacifica*, *Metaprotella sandalensis*, *Pseudoprellicana johnsoni*, *Pareiasmopus cymatilis*, *Podocerus crenulatus*, *Syrrhoe petitaserrata*
- QLD 29. Between Bird Islet and South Island, Lizard Island, Queensland (14°41'S 145°28'E), sediment at reef base with mixed algae, 25 m, J. K. Lowry, 9 October 1978.
Metaprotella sandalensis, *Perotripus keablei*, *Pseudoprellicana johnsoni*, *Quadrisegmentum triangulum*, *Syrrhoe petitaserrata*
- QLD 30. Between Bird Islet and South Island, Lizard Island, Queensland (14°40'S 145°28'E), mixed algae, sediment from seagrass beds, 25 m, P.C. Terrill, 9 October 1978.
Metaprotella sandalensis, *Pareiasmopus cymatilis*, *Syrrhoe petitaserrata*
- QLD 33. Western end of Blue Lagoon, Lizard Island, Queensland (14°40'S 145°28'E), sand, 3 m, P.C. Terrill, 15 October 1978.
Birubius batei, *Monoculodes tropicalis*, *Quadrisegmentum triangulum*
- QLD 35. 100 m off Freshwater Beach, Lizard Island, Queensland (14°41'S 145°27'E), sediment sample from sand bottom, 1.5 m, C. Short, 10 October 1978.
Perioculodes talboti, *Pseudambasia acuticaudata*
- QLD 36. Eastern end, Mangrove Beach, Lizard Island, Queensland (14°41'S 145°27.5'E), sediment sample of sand and detritus from near mangroves, 1.5 m, C. Short, 10 October 1978.
Doowia dexterae, *Melita myersi*
- QLD 37. Eastern end, Mangrove Beach, Lizard Island, Queensland (14°41'S 145°27.5'E), core sample positioned over goby burrow in sand bottom, 1.5 m, A.R. Jones, 10 October 1978.
Ceradocus woorree
- QLD 39. Casuarina Beach, Lizard Island, Queensland (14°40.5'S 145°26.6'E), under stones at low tide mark; J.K. Lowry, A.R. Jones and P.C. Terrill, 11 October 1978.
Amphilochus lacertus, *Ceradocus woorree*, *Elasmopus spinicarpus*
- QLD 42. Eastern end, Mangrove Beach, Lizard Island, Queensland (14°41'S 145°27.5'E), sediment sample from high detritus area among mangrove roots, 1.2 m, J.K. Lowry, 11 October 1978.
Kamaka silvana, *Melita myersi*
- QLD 43. Between Bird Islet and Trawler Beach, Lizard Island, Queensland (14°40'S 145°28'E), sand, algae, 10 m, P. C. Terrill, 15 October 1978.
Orthoprotella australis

- QLD 44. Off Chinamans Ridge, Lizard Island, Queensland (14°40'S 145°28'E), sand, mixed algae, 21 m, J.K. Lowry, 13 October 1978.
Metaphoxus varanus, *Metaprotella sandalensis*
- QLD 45. Off Chinamans Ridge, Lizard Island, Queensland (14°40'S 145°28'E), sand, mixed algae, 21 m, P.C. Terrill, 13 October 1978.
Birubius batei, *Metaprotella sandalensis*, *Podocerus crenulatus*
- QLD 46. Off Chinamans Ridge, Lizard Island, Queensland (14°40'S 145°28'E), fine sand, 12 m, J.K. Lowry, 13 October 1978.
Aborolobatea insidiosa, *Monoculodes tropicalis*, *Orthoprotella australis*
- QLD 48. Mermaid Cove, Lizard Island, Queensland (~14°39'S 145°27'E), mixed algae (branching red, *Dictyota* and a filamentous green *Chlorodesmis*), coral rubble and silt, subtidal to 2 m, J.K. Lowry, 14 October 1978.
Pseudambasia acuticaudata, *Quadrisegmentum triangulum*
- QLD 49. Off North Point, Lizard Island, Queensland (14°40'S 145°28'E), algae, coral rubble, 5 m, J.K. Lowry, 14 October 1978.
Metaprotella sandalensis, *Quadrisegmentum triangulum*, *Shoemakerella barnardi*
- QLD 50. Off North Point, Lizard Island, Queensland (14°40'S 145°28'E), mixed algae, 5 m, J.K. Lowry, 14 October 1978.
Birubius casuarina, *Elasmopus alalo*, *Pareiasmopus cymatilis*, *Quadrisegmentum triangulum*, *Shoemakerella barnardi*
- QLD 52. Off North Point, Lizard Island, Queensland (14°40'S 145°28'E), algae, *Halimeda* sp., 6 m, J.K. Lowry, 14 October 1978.
Metaphoxus varanus, *Pareiasmopus cymatilis*, *Quadrisegmentum triangulum*, *Shoemakerella barnardi*
- QLD 54. Reef edge, 200 m north-west of Palfrey Island, Lizard Island, Queensland (14°40'S 145°28'E), coral sand and rubble from sand patches between bommies, 3 m; J.K. Lowry, 16 October 1978.
Ambicholestes magellani, *Birubius batei*, *Perioculodes talboti*
- QLD 55. 200 m north-west of Palfrey Island, Lizard Island, Queensland (14°40'S 145°28'E), sand beneath coral boulders, 3 m, P.C. Terrill, 16 October 1978.
Ambicholestes magellani, *Birubius batei*, *Metaprotella sandalensis*
- QLD 56. 200 m north-west of Palfrey Island, Lizard Island, Queensland (14°40'S 145°28'E), sand 12 m, J.K. Lowry, 16 October 1978.
Birubius batei
- QLD 57. Reef edge, 200 m north-west of Palfrey Island, Lizard Island, Queensland (14°40'S 145°28'E), encrusting algae and sponge from rubble and dead coral, 3–6 m; J.K. Lowry, 16 October 1978.
Dulichella pacifica
- QLD 59. 1.6 km south-west of Eagle Island, Lizard Island, Queensland (14°40'S 145°28'E), sediment from coral fans, coral rubble, 6 m, J.K. Lowry, 17 October 1978.
Metaprotella sandalensis, *Shoemakerella barnardi*
- QLD 61. 1.6 km south-west of Eagle Island, near Lizard Island, Queensland (14°40'S 145°28'E), sponges with some algae and coral rubble from on and below bommies, 4.6–9.1 m; J.K. Lowry, 17 October 1978.
Shoemakerella barnardi

- QLD 62. 1 mile south-west of Eagle Island, near Lizard Island, Queensland (~14°40'S 145°28'E), sediment sample of sand from reef base, 12.2 m; A.R. Jones, 17 October 1978.
Elasmopus alalo,
- QLD 63. 1.6 km south-west of Eagle Island, Lizard Island, Queensland (14°40'S 145°28'E), sand, 12 m, A.R. Jones, 17 October 1978.
Birubius batei, *Metaproto novaehollandiae*, *Monoculodes tropicalis*
- QLD 68. Bommie west of harbour entrance, Heron Island, Queensland (23°26'S 151°55'E), coarse sand, 21.3 m, J.K. Lowry, 7 December 1978.
Metaproto novaehollandiae
- QLD 85. Heron Island, Queensland (23°26'S 151°55'E), baited trap, intertidal, on boulder ridge on north side of island, N.L. Bruce, 25 June 1979.
Ichnopus capricornus
- QLD 86. Heron Island, Queensland (23°26'S 151°55'E), baited trap on beach rock, low tide level, A.J. Bruce, 12 June 1978.
Ichnopus capricornus
- QLD 87. No. 5 Sandbank Reef, Queensland (13°45'S 144°16'E), rubble washings from south-west end of reef, 8–10 m, I. Loch, 6 December 1982.
Pseudambasia acuticaudata
- QLD 88. South end of reef north of Ferguson Reef, Queensland (12°20'S 143°51'E), rubble washings on coral slope, 10–12 m, I. Loch, 8 December 1982.
Pseudambasia acuticaudata, *Wandin griffini*
- QLD 90. North side of No. 8 Sand Cay, Queensland (13°21'S 143°57'E), rubble washings from base of sandy slope, 15 m, I. Loch, 7 December 1982.
Pseudambasia acuticaudata
- QLD 91. Southern part of Escape Reef, Queensland (15°53'S 145°49'E), rubble washings on outer slope of shelf, 18 m, I. Loch, 20 December 1982.
Pseudambasia acuticaudata
- QLD 92. Off Mrs Watsons Beach, Lizard Island, Queensland (14°40'S 145°28'E), sponge on sand bottom, 18 m, D.F. Hoese & H. Larson, 24 November 1978.
Waldeckia enoei
- QLD 93. Centre of Wistari-Heron channel, Heron Island, Queensland (23°27'S 151°55'E), 33 m; Boer & Hensby, 2 October 1980.
Shoemakerella barnardi
- QLD 94. Reef on north side of Nimrod Passage, Wreck Bay, Queensland (12°05'S 143°49'E), rubble washings on very exposed outer face, 9 m, I. Loch, 9 December 1982.
Pseudambasia acuticaudata
- QLD 95. Off south end of beach, Dingo Beach, south-east of Bowen, Queensland (20°05'S 148°30'E), rock washings plus algae from top of fringing reef, 0–1 m, I. Loch, 30 May 1977.
Azotostoma fusta, *Pseudambasia acuticaudata*,
- QLD 98. Reef 'C', One Tree Island lagoon, Queensland (23°30'S 152°05'E), light trap over sand, 5.5 m, 2005 hours, P.S. McWilliam, 27 November 1977.

Tryphosella charlottae

QLD 99. Lagoon, One Tree Island, Queensland (23°30'S 152°05'E), light trap 2 meters away from reef, 2207 hours, P.S. McWilliam, 14 November 1976.

Tryphosella charlottae

QLD 100. Lagoon, One Tree Island, Queensland (23°30'S 152°05'E), light trap, P.S. McWilliam, November 1977.

Tryphosella charlottae

QLD 101. 100 metres north-east of sand spit, One Tree Island, Queensland (23°30'S 152°05'E), large corer in coarse sand, 1 m, C. Short & J. Young, 20 October 1979.

Tryphosella charlottae

QLD 102. Lizard Island, Queensland (14°40'S 145°28'E), neuston over reef flat, 2027 hours, P.D. Schmitt, 7 February 1980.

Tryphosella charlottae

QLD 103. South end of Dingo Beach, south-east of Bowen, Queensland (20°05'S 148°30'E), algal washings from muddy sand flats, I. Loch, 30 May 1977.

Pseudambasia acuticaudata

QLD 106. Patch reef between Lizard Island and Eagle Islet, Queensland (14°40'S 145°28'E), baited trap on sand between coral patches, 8 m, J.K. Lowry & R.T. Springthorpe, 4 February 1987.

Ichnopus capricornus

QLD 110. Blue Lagoon, channel between Trawlers Beach and Bird Islet, Lizard Island, Queensland (14°40'S 145°28'E), baited trap on sand at base of bommie, 13 m; J.K. Lowry & R.T. Springthorpe, 7 February 1987.

Ichnopus capricornus

QLD 116. Off reef face between Bird Islet and South Island, Lizard Island, Queensland (14°42'S 145°28'E), foraminiferan sand bottom with *Halimeda* and faviid corals *Caulastrea furcata* or *C. curvata*, baited trap, 24 m, J.K. Lowry & R.T. Springthorpe, 11 February 1987.

Tryphosella bet

QLD 117. Off reef face between Bird Islet and South Island, Lizard Island, Queensland (~14°42'S 145°28'E), foram sand bottom with *Halimeda*, faviid coral *Caulastrea furcata* or *C. curvata*, baited trap, 30 m, J.K. Lowry & R.T. Springthorpe, 12 February 1987.

Ichnopus tenuicornis

QLD 118. Off Chinamans Ridge, Mrs Watsons Bay, Lizard Island, Queensland (~14°42'S 145°28'E), sand bottom, baited trap, 7–13 m, J.K. Lowry & R.T. Springthorpe, 15 February 1987.

Ichnopus tenuicornis

QLD 119. Mrs Watsons Bay, Lizard Island, Queensland (~14°42'S 145°28'E), baited trap, 27 m, J.K. Lowry & R.T. Springthorpe, 15 February 1987.

Ichnopus tenuicornis

QLD 135. off Coconut Beach, Lizard Island, Queensland (~14°42'S 145°28'E), foram and sand bottom with abundant *Halimeda* and other algae, solitary corals, brittle stars, irregular echinoids and holothurians, baited trap (set 1700–1830, retrieved 1115–1300), 32 m, J.K. Lowry & S.J. Keable, 11–12 January 1989.

Ichnopus tenuicornis

QLD 171. off Chinamans Ridge, Mrs Watsons Bay, Lizard Island, Queensland (~14°42'S 145°28'E), muddy sand with sparse *Heteropsammia cochlea*, sparse *Caulerpa* cf. *brachypus*, *Udotea orientalis*, hermit crabs, baited trap (set: 1630–1700, retrieved:1030–1100), 13 m, J.K. Lowry & S.J. Keable, 17–18 January 1989.

Ichnopus tenuicornis

QLD 251. Reef at North Point, Lizard Island, Queensland (~14°42'S 145°28'E), about 100 m off edge of reef on muddy sand bottom with large forams, main cover the brown alga *Lobophora variegata*, interspersed with *Halimeda cylindracea*, brown finger sponge and a black and white striped crinoid, baited trap (set 1830–1900, retrieved 1200–1230), 26 m, J.K. Lowry & S.J. Keable, 26–27 January 1989.

Ichnopus tenuicornis

QLD 283. Jutting bommie on outer reef face near northern channel between Palfrey Island and South Island, Lizard Island, Queensland (~14°42'S 145°28'E), sloping bottom in patch of muddy sand surrounded by blue-green alga, *Caulerpa sertularioides* and some *C. racemosa* var. *clavifera*, baited trap (set 1800–1830, retrieved 1100–1140), 27 m, J.K. Lowry & S.J. Keable, 30–31 January 1989.

Ichnopus tenuicornis

QLD 290. Jutting bommie on outer reef face near northern channel between Palfrey Island and South Island, Lizard Island, Queensland (~14°42'S 145°28'E), baited trap on sloping muddy sand foram bottom covered in *Caulerpa sertularioides*, *C. racemosa* var. *clavifera*, some *Halimeda* sp., one *Thelenota argus*, one greenish-yellow holothurian and some brown finger sponge, baited trap (set 1800–1830, retrieved 1100–1140), 30 m, J.K. Lowry & S.J. Keable, 30–31 January 1989.

Ichnopus tenuicornis

QLD 291. Patch reef at northern entrance to Blue Lagoon, Lizard Island, Queensland (~14°40'S 145°28'E), on top of reef, sandy rubble patch near large bed of pink finger soft coral, some *Halimeda cylindracea*, common small bead-like clusters of a green alga, *Caulerpa* sp., *Holothuria atra* common, baited trap, 1.5 m, J.K. Lowry & S.J. Keable, 31 January–1 February 1989.

Tryphosella cameloides

QLD 303. Reef at North Point, Lizard Island, Queensland (14°40'S 145°28'E), very edge of base of silty reef slope, consolidated reef with large expanses of coarse sand and rubble within a 10 m radius, gorgonians and soft corals, holothurians *Thelenota ananas* and *T. anax*, baited trap, 20 m, S.J. Keable & D.J. Townsend, 9–10 June 1989.

Tryphosella bet

QLD 304. Off reef at North Point, Lizard Island, Queensland (14°40'S 145°28'E), flat soft bottom of disc foraminiferans (50–60%) and sand, some (10%) *Caulerpa sertularioides* and *Halophila*, baited trap, 22 m, S.J. Keable & D.J. Townsend, 9–10 June 1989.

Tryphosella bet

QLD 311. Patch reef at northern entrance to Blue Lagoon, Lizard Island, Queensland (14°40'S 145°28'E), reef flat, coarse sand patch behind semi-circle of hard and soft corals approximately 30 cm away, baited trap, 1 m, S.J. Keable & D.J. Townsend, 6–7 June 1989.

Ichnopus capricornus, *Tryphosella cameloides*

QLD 323. Reef at North Point, Lizard Island, Queensland (14°40'S 145°28'E), reef slope 8 m past edge of shear drop from reef flat, rubble with algal turf and thin sand patches showing, baited trap, 6 m, S.J. Keable & D.J. Townsend, 8–9 June 1989.

Tryphosella cameloides

QLD 325. Reef at North Point, Lizard Island, Queensland (14°40'S 145°28'E), reef slope, large loose pieces of rubble with some consolidated reef and sand patches, sponges, various soft corals and low branching hard corals, crinoids, *Didemnum* and *Polycarpa*, baited trap (set 1700–1730, retrieved 1000–1030), 8.5 m, S.J. Keable & D.J. Townsend, 8–9 June 1989.

Ichnopus capricornus, Tryphosella cameloides

QLD 331. Reef at North Point, Lizard Island, Queensland (~14°40'S 145°28'E), very edge of base of silty reef slope, consolidated reef with large expanses of coarse sand and rubble within a 10 m radius, gorgonians and soft corals, holothurians *Thelenota ananas* and *T. anax*, baited trap, 20 m, S.J. Keable & D.J. Townsend, 10–11 June 1989.

Tryphosella bet

QLD 337. Off reef at North Point, Lizard Island, Queensland (~14°40'S 145°28'E), flat soft bottom of large disc forams (80%) and sand, *Heteropsammia* common, some (10%) *Halophila*, baited trap (set 16.30–17.00, retrieved 10.00–10.30), 22 m, S.J. Keable & D.J. Townsend, 10–11 June 1989.

Ichnopus tenuicornis

QLD 342. Reef at base of Chinamans Ridge, Lizard Island, Queensland (14°40'S 145°28'E), small sand patches in diverse consolidated reef with a wide variety of soft and massive hard corals including *Sarcophyton*, nephtheid soft coral, *Sinularia*, various poritids and faviids, baited trap (set 16.00–16.30, retrieved 09.45–10.15), 3.5m, S.J. Keable & D.J. Townsend, 13–14 June 1989.

Ichnopus capricornus

QLD 346. Off reef at base of Chinamans Ridge, Lizard Island, Queensland (~14°40'S 145°28'E), coarse sand with a few small 5–15 cm high mounds present, clumps of ?dead red algae, massive coral outcrops about 5 m away, baited trap (set 16.00–16.30, retrieved 09.45–10.15), 6 m, S.J. Keable & D.J. Townsend, 13–14 June 1989.

Ichnopus tenuicornis

QLD 368. Off reef at base of Chinamans Ridge, Lizard Island, Queensland (~14°40'S 145°28'E), fine sand with a few mounds (5–10 cm high) present, *Caulerpa sertularioides* (15% coverage) and a thin cover (5%) of ?*Udotea* and *Didemnum*, baited trap (set 16.30–17.00, retrieved 09.30–10.30), 9 m, S.J. Keable & D.J. Townsend, 15–16 June 1989.

Ichnopus tenuicornis

QLD 372. Patch reef toward Eagle Island from Research Station, Lizard Island, Queensland (~14°40'S 145°28'E), small pieces of rubble (10% coverage) and coarse sand among reef crest, consolidated bommies with *Sarcophyton*, *Sinularia* and staghorn *Acropora*, 5 m apart and within 1 m of trap, baited trap, 4 m, S.J. Keable & D.J. Townsend, 17–18 June 1989.

Tryphosella cameloides

QLD 374. Patch reef toward Eagle Island from Research Station, Lizard Island, Queensland (14°40'S 145°28'E), reef slope, rubble pieces up to 10 cm (15% coverage) and coarse sand amongst consolidated massive coral outcrops 10 m apart, *Didemnum*, holothurian *Holothuria (Microthele) fuscopunctata?*, baited trap, 6 m, S.J. Keable & D.J. Townsend, 17–18 June 1989.

Ichnopus capricornus, Tryphosella cameloides

QLD 379. Patch reef toward Eagle Island from Research Station, Lizard Island, Queensland (14°40'S 145°28'E), reef slope, coarse sand and mostly large rubble pieces (25% coverage) ranging from 5 cm to 30 cm with epiphytic growth of algae and sponges, patches of soft coral *Dendronephthya*, baited trap, 13.5 m, S.J. Keable & D.J. Townsend, 17–18 June 1989.

Ichnopus capricornus, Tryphosella cameloides

QLD 396. Patch reef toward Eagle Island from Research Station, Lizard Island, Queensland (14°40'S 145°28'E), coarse sand (50% coverage) and loose rubble (50%) encrusted in algal turf and small soft corals, nearest bommie more than 15 m away, baited trap, 7 m, S.J. Keable & D.J. Townsend, 19–20 June 1989.

Ichnopus capricornus, Tryphosella cameloides

QLD 401. Blue Lagoon, inside Lizard Head, Lizard Island, Queensland (14°40'S 145°28'E), reef flat, coarse sand patch 1–2 m in diameter amongst wide variety of corals including faviids, *Astreopora*, *Stylophora*, *Fungia*, plate and staghorn

Acropora, *Sinularia* and *Sarcophyton*, also patches of rubble covered in algal turf, baited trap, 1 m, S.J. Keable & D.J. Townsend, 21–22 June 1989.

Ichnopus capricornus, *Tryphosella cameloides*

QLD 427. Blue Lagoon between South and Palfrey Islands, Lizard Island, Queensland (14°40'S 145°28'E), very exposed, bare consolidated reef flat with boulders 30–40 cm in diameter, very few branching hard corals, occasional patch of soft corals, mainly *Sarcophyton*, baited trap, 0.5 m, S.J. Keable & D.J. Townsend, 25–26 June 1989.

Ichnopus capricornus, *Tryphosella cameloides*

QLD 429. Blue Lagoon between South and Palfrey Islands, Lizard Island, Queensland (14°40'S 145°28'E), very exposed, bare consolidated reef flat with boulders 30–40 cm in diameter, very few branching hard corals, occasional patch of soft corals, mainly *Sarcophyton*, baited trap, 0.5 m, S.J. Keable & D.J. Townsend, 25–26 June 1989.

Ichnopus capricornus, *Tryphosella cameloides*

QLD 434. Off Chinamans Ridge, Lizard Island, Queensland (~14°40'S 145°28'E), on muddy sand with a lot of dead shell, solitary corals, *Caulerpa* cf. *sertularioides* and *Halimeda cylindracea*, *Udotea orientalis*, *Strombus* sp. and purple crinoid, baited trap (set 17.00, retrieved 11.30), 20 m, S.J. Keable & D.J. Townsend, 28–29 June 1989.

Ichnopus tenuicornis

QLD 454. Bommie Bay, Lizard Island, Queensland (14°40'S 145°28'E), reef flat amongst corals, baited trap, 2 m, S.J. Keable & R.T. Springthorpe, 29–30 January 1990.

Ichnopus tenuicornis

QLD 455. Bommie Bay, Lizard Island, Queensland (14°40'S 145°28'E), reef flat amongst corals, baited trap, 2 m, S.J. Keable & R.T. Springthorpe, 29–30 January 1990.

Ichnopus tenuicornis

QLD 459. Off small beach immediately north of Coconut Beach, Lizard Island, Queensland (14°40'S 145°28'E), baited trap, 25 m, S.J. Keable & R.T. Springthorpe, 29–30 January 1990.

Tryphosella bet

QLD 481. Middle of Crystal Beach, Lizard Island, Queensland (14°40'S 145°28'E), intertidal sand, baited trap, S.J. Keable & R.T. Springthorpe, 4–5 February 1990.

Ichnopus capricornus, *Tryphosella cameloides*

QLD 509. Coconut Beach, Lizard Island, Queensland (~14°40'S 145°28'E), coarse sand with mounds about 30 cm high, clay patches, shell and some forams, sparse ?*Halophila ovalis* and *Halimeda* sp., occasional fan-shaped algae, baited trap, 21 m, S.J. Keable & R.T. Springthorpe, 11–12 February 1990.

Ichnopus tenuicornis

QLD 547. North Point, Lizard Island, Queensland (14°40'S 145°28'E), base of reef slope adjacent to edge of soft substrates, approximately 100 m off reef flat edge, baited trap, 19 m, S.J. Keable & R.T. Springthorpe, 21 January 1990.

Ichnopus capricornus, *Tryphosella bet*

QLD 548. North Point, Lizard Island, Queensland (14°40'S 145°28'E), base of reef slope adjacent to edge of soft substrates, approximately 100 m off reef flat edge, baited trap (set 2355, retrieved 0605), 19 m, S.J. Keable & R.T. Springthorpe, 21 – 22 January 1990.

Ichnopus capricornus, *Tryphosella bet*

QLD 549. North Point, Lizard Island, Queensland (14°40'S 145°28'E), soft substrates, muddy sand with fan-shaped algae and forams, approximately 200 m off reef flat edge, baited trap (set 20.10, retrieved 00.15), 22.5 m, S.J. Keable & R.T. Springthorpe, 21–22 January 1990.

Ichnopus tenuicornis

- QLD 553. Patch reef at northern entrance to Blue Lagoon, Lizard Island (14°40'S 145°28'E), reef, baited trap (set 24.00, retrieved 02.00), 1 m, S.J. Keable & R.T. Springthorpe, 31 January – 1 February 1990
Ichnopus tenuicornis
- QLD 574. Chinamans Head, Lizard Island, Queensland (14°40'S 145°28'E), on reef top, baited trap (set 2000, retrieved 2200), 3 m, S.J. Keable & R.T. Springthorpe, 26 January 1990.
Ichnopus capricornus
- QLD 575. Chinamans Head, Lizard Island, Queensland (14°40'S 145°28'E), on reef top, baited trap (set 2200, retrieved 2400), 3 m, S.J. Keable & R.T. Springthorpe, 26 January 1990.
Ichnopus capricornus, *Tryphosella cameloides*
- QLD 577. Chinamans Head, Lizard Island, Queensland (14°40'S 145°28'E), on reef top, baited trap (set 0200, retrieved 0400), 3 m, S.J. Keable & R.T. Springthorpe, 27 January 1990.
Ichnopus capricornus
- QLD 597. Mrs Watsons Bay, Lizard Island, Queensland (14°40'S 145°28'E), muddy sand with some shell, *Halophila spinulosa*, fan-shaped algae, many solitary black crinoids, hermit crabs and black speckled holothurian, baited trap (set 22.00, retrieved 24.00), 12 m, S.J. Keable & R.T. Springthorpe, 26 January 1990.
Ichnopus tenuicornis
- QLD 630. Great Detached Reef, Queensland (11°42.60'S 144°4.00'E), sand on back reef flat, near patchy rubble, baited trap set overnight, 2 m, S. Keable, 11 January 1993.
Nagada uwedoae
- QLD 631. Great Detached Reef, Queensland (11°42.60'S 144°4.00'E), hard coral on back reef crest, baited trap set overnight, 1 m, S. Keable, 11 January 1993.
Nagada uwedoae, *Tryphosella bet*, *Tryphosella cameloides*
- QLD 635. Great Detached Reef, Queensland (11°42.60'S 144°4.00'E), sand and coral about 300 metres west of back reef slope, baited trap set overnight, 35 m, S. Keable, 11 January 1993.
Ichnopus capricornus
- QLD 639. Reef front crest, Great Detached Reef, Queensland (11°42.17'S 144°1.61'E), *Halimeda*, 9 m, S. Keable, 12 January 1993.
Metaprotella sandalensis
- QLD 646. Shadwell Reef, Queensland (11°27.66'S 143°46.63'E), water column, surface, H. Larson, J. Leis, M. McGrouther, 12 January 1993.
Metaprotella sandalensis
- QLD 650. GBRMPA Reef 11-102, Queensland (11°27.56'S 143°58.12'E), short low clumps of living multi-branched hard coral, 9 m, S. Keable, 13 January 1993.
Metaprotella sandalensis
- QLD 651. GBRMPA Reef 11-102, Queensland (11°27.56'S 143°58.12'E), coral rubble, 9 m, S. Keable, 13 January 1993.
Metaprotella sandalensis
- QLD 652. GBRMPA Reef 11-102, Queensland (11°27.56'S 143°58.12'E), sand between front and back reef flats, baited trap set overnight, 4 m, S. Keable, 13 January 1993.
Ichnopus capricornus

- QLD 653. GBRMPA Reef 11-102, Queensland (11°27.56'S 143°58.12'E), ?sand near reef, middle of end of lagoon, baited trap set overnight, 10 m, S. Keable, 13 January 1993.
Ichnopus capricornus
- QLD 654. GBRMPA Reef 11-102, Queensland (11°27.56'S 143°58.12'E), ?sand in middle of lagoon channel, baited trap set overnight, 12 m, S. Keable, 13 January 1993.
Ichnopus capricornus
- QLD 655. GBRMPA Reef 11-102, Queensland (11°27.56'S 143°58.12'E), ?sand near lagoon channel entrance, baited trap set overnight, 15 m, S. Keable, 13 January 1993.
Ichnopus capricornus
- QLD 656. GBRMPA Reef 11-102, Queensland (11°27.56'S 143°58.12'E), hard coral at western back reef flat, baited trap set overnight, 1 m, S. Keable, 13 January 1993.
Ichnopus capricornus
- QLD 658. Back reef slope, GBRMPA Reef 11-131, Queensland (11°26.96'S 144°4.06'E), *Halimeda*, 9 m, S. Keable, 14 January 1993.
Caprella penantis, *Metaprotella sandalensis*, *Paracaprella* sp.
- QLD 659. Back reef flat, GBRMPA Reef 11-131, Queensland (11°26.96'S 144°4.06E), *Halimeda*, 3 m, S. Keable, 14 January 1993.
Caprella penantis, *Metaprotella sandalensis*, *Paracaprella* sp.
- QLD 660. Back reef flat, GBRMPA Reef 11-131, Queensland (11°26.96'S 144°4.06E), rubble, 3 m, S. Keable, 14 January 1993.
Metaprotella sandalensis
- QLD 664. South-west end of reef in gully of back reef slope, GBRMPA Reef 11-418, Queensland (10°59.98'S 144°1.22'E), mixed sponges, 3 m, S. Keable, 15 January 1993.
Metaprotella sandalensis
- QLD 667. South-west end of reef in gully of back reef slope, GBRMPA Reef 11-418, Queensland (10°59.98'S 144°1.22'E), *Halimeda* and *Caulerpa*, 6 m, S. Keable, 15 January 1993.
Metaprotella sandalensis
- QLD 668. South-west end of reef in gully of back reef slope, GBRMPA Reef 11-418, Queensland (10°59.98'S 144°1.22'E), coral rubble, 6 m, S. Keable, 15 January 1993.
Metaprotella sandalensis
- QLD 670. Inside outer barrier reef (10°56.90'S 144°0.51'E), sand among patchy reef more than 500 m from any obvious large reefs, baited trap set overnight, 20 m, S. Keable, 15 January 1993.
Tryphosella bet
- QLD 671. Inside outer Barrier Reef, Queensland (10°56.90'S 144°0.51'E), sand among patchy reef, more than 500 m from any obvious large reefs, baited trap set overnight, 20 m, S. Keable, 15 January 1993.
Nagada uwedoae
- QLD 673. Inside outer Barrier Reef, Queensland (10°56.90'S 144°0.51'E), sand among patchy reef, more than 500 metres from any obvious large reef, baited trap, 20 m, S. Keable, 15 January 1993.
Nagada uwedoae, *Tryphosella bet*, *Tryphosella cameloides*
- QLD 674. Inside outer Barrier Reef, Queensland (10°56.90'S 144°0.51'E), coral rubble, 20 m, S. Keable, 16 January 1993.

Quadrisegmentum lowryi

QLD 675. Small bommie north-west of GBRMPA Reef 10-403, Queensland (10°48.61'S 143°59.36'E), rubble, 16 m. C. Kirby, 16 January 1993.

Metaprotella sandalensis

QLD 680. Inside outer Barrier Reef, Queensland (10°34.48'S 143°55.28'E), purple sponge, 15 m, S. Keable, 16 January 1993.

Pseudaeginella cf. *biscaynensis*

QLD 682. Inside outer Barrier Reef, Queensland (10°34.48'S 143°55.28'E), rubble, 15 m, S. Keable, 16 January 1993.

Metaprotella sandalensis

QLD 683. Inside outer Barrier Reef, Queensland (10°34.48'S 143°55.28'E), sediment and loose rubble, 15 m, S. Keable, 16 January 1993.

Metaprotella novaehollandiae, *Riwo mizeui*

QLD 686. Ashmore Reef, Queensland (10°26.66'S 144°26.82'E), fine sediment, 15 m, S. Keable, 17 January 1993.

Metaprotella novaehollandiae

QLD 687. Ashmore Reef, Queensland (10°26.66'S 144°26.82'E), hard corals on inner edge of back reef flat, baited trap set overnight, 2 m, S. Keable, 17 January 1993.

Paralysianopsis padoz

QLD 690. Ashmore Reef, Queensland (10°26.66'S 144°26.82'E), sand among patchy reef, approximately 300 metres inside inner back reef flat, baited trap set overnight, 15 m, S. Keable, 17 January 1993.

Paralysianopsis padoz

QLD 696. Outer reef slope, sheer drop off, Ashmore Reef, Queensland (10°26.27'S 144°25.78'E), *Halimeda*, 10 m, S. Keable, 18 January 1993.

Metaprotella sandalensis

QLD 697. Outer reef face, sheer drop off, Ashmore Reef, Queensland (10°26.27'S 144°25.78'E), invertebrates, 30 m, S. Keable, 18 January 1993.

Metaprotella sandalensis

QLD 698. Ashmore Reef, Queensland (10°26.27'S 144°25.78'E), inside lagoon, more than 300 metres from reef flat, baited trap set overnight, 25 m, S. Keable, 18 January 1993.

Paralysianopsis padoz

QLD 699. Ashmore Reef, Queensland (10°26.27'S 144°25.78'E), more than 300 metres from reef flat, inside lagoon, baited trap set overnight, 25 m, S. Keable, 18 January 1993.

Paralysianopsis padoz

QLD 700. Ashmore Reef, Queensland (10°26.27'S 144°25.78'E), more than 300 metres from reef flat, inside lagoon, baited trap set overnight, 30 m, S. Keable, 18 January 1993.

Paralysianopsis padoz

QLD 703. Outer reef slope, sheer drop off, Ashmore Reef, Queensland (10°26.27'S 144°25.78'E), rubble, 30 m, S. Keable, 19 January 1993.

Metaprotella sandalensis

QLD 704. Outer reef slope, sheer drop off, Ashmore Reef, Queensland (10°26.27'S 144°25.78'E), red calcareous cylindrical algae, 25 m, S. Keable, 19 January 1993.

Quadrisegmentum triangulum

QLD 705. Outer reef slope, sheer drop off, Ashmore Reef, Queensland (10°26.27'S 144°25.78'E), sediment, algae and rubble, 12 m, S. Keable, 19 January 1993.

Quadrisegmentum triangulum

QLD 721. Outer reef slope, sheer walls and caves, Ashmore Reef, Queensland (10°13.16'S 144°24.89'E), tunicates, 31 m, S. Keable, 22 January 1993.

Metaprotella sandalensis

QLD 722. Outer reef slope, Ashmore Reef, Queensland (10°13.16'S 144°24.89'E), sponges, 25 m, S. Keable, 22 January 1993.

Quadrisegmentum triangulum

QLD 723. Outer reef slope, sheer walls and caves, Ashmore Reef, Queensland (10°13.16'S 144°24.89'E), rubble, 12 m, S. Keable, 22 January 1993.

Metaprotella sandalensis

QLD 724. Outer reef slope, Ashmore Reef, Queensland (10°13.16'S 144°24.89'E), consolidated reef with algal turf, 3 m, S. Keable, 22 January 1993.

Metaprotella sandalensis

QLD 727. Ashmore Reef, Queensland (10°12.32'S 144°25.58'E), 5 m, hard corals, outer reef flat, near pass, baited trap set overnight, S. Keable, 22 January 1993.

Riwo mizeui

QLD 733. Outer slope, eastern edge Ashmore Reef, Queensland (10°9.16'S 144°34.72'E), rubble, 30 m, S. Keable, 24 January 1993.

Metaprotella sandalensis

QLD 734. Outer slope of eastern edge, Ashmore Reef, Queensland (10°9.16'S 144°34.72'E), calcareous red tubular algae, 30 m, S. Keable, 24 January 1993.

Metaprotella sandalensis, *Pseudaeginella* cf. *biscaynensis*, *Quadrisegmentum triangulum*

QLD 735. Outer reef slope, eastern edge Ashmore Reef, Queensland (10°9.16'S 144°34.72'E), living coral, 20 m, S. Keable, 24 January 1993.

Metaprotella sandalensis

QLD 739. Outer reef slope, eastern edge Ashmore Reef, Queensland (10°9.52'S 144°35.44'E), rubble, 20 m, S. Keable, 25 January 1993.

Quadrisegmentum triangulum

QLD 746. Ashmore Reef, Queensland (10°9.22'S 144°34.68'E), eastern edge of inner reef flat, consolidated reef and sand, baited trap set overnight, 1 m, S. Keable, 25 January 1993.

Tryphosella cameloides

QLD 747. Ashmore Reef, Queensland (10°9.22'S 144°34.68'E), sand and coral at eastern edge of back reef slope, baited trap set overnight, 20 m, S. Keable, 25 January 1993.

Paralysianopsis padoz

QLD 748. Ashmore Reef, Queensland (10°9.22'S 144°34.68'E), unknown substrate, inner lagoon about 100 metres off back reef flat on eastern edge, baited trap set overnight, 30 m, S. Keable, 25 January 1993.

Nagada uwedoae, *Paralysianopsis padoz*

- QLD 759. Gutter in reef flat, Boot Reef, Coral Sea (10°2.72'S 144°41.93'E), *Halimeda*, 4 m, S. Keable, 27 January 1993.
Pseudaeginella cf. *biscaynensis*
- QLD 760. Reef flat, Boot Reef, Coral Sea (10°2.72'S 144°41.93'E), rubble, 4 m, S. Keable, 27 January 1993.
Metaprotella sandalensis, *Pseudaeginella* cf. *biscaynensis*
- QLD 763. Boot Reef, Coral Sea, (9°57.21'S 144°43.69'E), reef flat, baited trap set overnight, 2 m, S. Keable, 27 January 1993.
Tryphosella cameloides
- QLD 764. Boot Reef, Coral Sea, (9°57.21'S 144°43.69'E), reef flat, baited trap set overnight, 2 m, S. Keable, 27 January 1993.
Tryphosella cameloides
- QLD 766. Boot Reef, Coral Sea (9°57.21'S 144°43.69'E), reef slope, baited trap set overnight, 30 m, S. Keable, 27 January 1993.
Nagada uwedoae
- QLD 767. Boot Reef, Coral Sea (9°58.34'S 144°43.24'E), baited trap set overnight, 40 m, S. Keable, 27 January 1993.
Nagada uwedoae, *Tryphosella cameloides*
- QLD 775. Portlock Reef, Coral Sea (9°42.10'S 144°50.17'E), unknown substrate, baited trap set overnight, 65 m, S. Keable, 28 January 1993.
Nagada uwedoae
- QLD 777. Reef slope, Portlock Reef, Coral Sea (9°38.58'S 144°49.67'E), 30 m, S. Keable, 29 January 1993.
Metaprotella sandalensis
- QLD 778. Reef slope, Portlock Reef, Coral Sea (9°38.58'S 144°49.67'E), *Halimeda*, 30 m, S. Keable, 29 January 1993.
Metaprotella sandalensis
- QLD 784. Bet Reef, Torres Strait, Queensland (10°10.54'S 142°56.01'E), grey clay mud with shell grit, two baited traps set overnight, 20 m, S. Keable, 30–31 January 1993.
Tryphosella bet
- QLD 805. Western Edge of Lazarat Gutter, near mouth, Peel Island, Moreton Bay, Queensland (27°28.40'S 153°21.10'E), rubble collected by airlift, 2 m, 20.4°C, R.T. Springthorpe & K.B. Attwood, 2 June 1993.
Metaphoxus varanus
- QLD 839. Beach with no name, South of Port Douglas, Queensland (16°36.61'S 145°31.76'E), low energy broad flat light sand beach with small pieces of *Sargassum* deposited above the high tide mark. Two streams running from the rainforest into the sea, but no talitrids near them, C. Serejo & J.K. Lowry (Australian National Talitrid Survey), 26 March 2004.
Talorchestia spinipalma
- QLD 907. West of Myora, North Stradbroke Island, Queensland (27°28.42'S 153°24.49'E), shell gravel, 2 m, 19.1°C, K.B. Attwood & E.L.A. Ho, 5 June 1993.
Metaphoxus varanus
- QLD 915. East of Flynn Reef, Queensland (16°41.61'S 146°17.94'E), transect 1, baited trap 1, 50 m, J.K. Lowry, P. Freewater & W. Vader on RV *Sunbird*, 6–7 June 1993.
Ichnopus tenuicornis, *Tryphosella bet*

- QLD 916. East of Flynn Reef, Queensland (16°41.61'S 146°17.94'E), transect 1, baited trap 2, 50 m, J.K. Lowry, P. Freewater & W. Vader on RV *Sunbird*, 6–7 June 1993.
Ichnopus tenuicornis, *Tryphosella bet*
- QLD 918. East of Flynn Reef, Queensland (16°41.32'S 146°18.26'E), transect 1, baited trap 1, 100 m, J.K. Lowry, P. Freewater & W. Vader on RV *Sunbird*, 6–7 June 1993.
Tryphosella flynnana
- QLD 919. East of Flynn Reef, Queensland (16°41.32'S 146°18.26'E), transect 1, baited trap 2, 100 m, J.K. Lowry, P. Freewater & W. Vader on RV *Sunbird*, 6–7 June 1993.
Ichnopus tenuicornis, *Tryphosella bet*
- QLD 921. East of Flynn Reef, Queensland (16°40.82'S 146°18.81'E), transect 1, baited trap 1, 200 m, J.K. Lowry, P. Freewater & W. Vader on RV *Sunbird*, 6–7 June 1993.
Paracaprella sp.
- QLD 922. East of Flynn Reef, Queensland (16°40.82'S 146°18.81'E), transect 1, baited trap 2, 200 m, J.K. Lowry, P. Freewater & W. Vader on RV *Sunbird*, 6–7 June 1993.
Ichnopus tenuicornis.
- QLD 923. East of Flynn Reef, Queensland (16°40.82'S 146°18.81'E), transect 1, baited trap 3, 200 m, J.K. Lowry, P. Freewater & W. Vader on RV *Sunbird*, 6–7 June 1993.
Ichnopus tenuicornis.
- QLD 933. East of Flynn Reef, Queensland (16°41.61'S 146°17.94'E), transect 2, baited trap 1, 50 m, J.K. Lowry, P. Freewater & W. Vader on RV *Sunbird*, 7–8 June 1993.
Ichnopus tenuicornis, *Tryphosella flynnana*
- QLD 935. East of Flynn Reef, Queensland (16°41.61'S 146°17.94'E), transect 2, baited trap 3, 50 m, J.K. Lowry, P. Freewater & W. Vader on RV *Sunbird*, 7–8 June 1993.
Ichnopus tenuicornis, *Tryphosella flynnana*
- QLD 937. East of Flynn Reef, Queensland (16°41.32'S 146°18.26'E), transect 2, baited trap 2, 100 m, J.K. Lowry, P. Freewater & W. Vader on RV *Sunbird*, 7–8 June 1993.
Ichnopus tenuicornis, *Tryphosella flynnana*
- QLD 938. East of Flynn Reef, Queensland (16°41.32'S 146°18.26'E), transect 2, baited trap 3, 100 m, J.K. Lowry, P. Freewater & W. Vader on RV *Sunbird*, 7–8 June 1993.
Ichnopus tenuicornis, *Tryphosella flynnana*
- QLD 939. East of Flynn Reef, Queensland (16°40.82'S 146°18.81'E), transect 2, baited trap 1, 200 m, J.K. Lowry, P. Freewater & W. Vader on RV *Sunbird*, 7–8 June 1993.
Ichnopus tenuicornis.
- QLD 940. West side of Entrance Island, Port Clinton, Queensland (22°28.86'S 150°46.32'E), coral rubble from silty bottom, 9 m, K.B. Attwood, 18 September 1993.
Metaphoxus varanus
- QLD 941. East of Flynn Reef, Queensland (16°40.82'S 146°18.81'E), transect 2, baited trap 3, 200 m, J.K. Lowry, P. Freewater & W. Vader on RV *Sunbird*, 7–8 June 1993.
Ichnopus tenuicornis.
- QLD 951. East of Fitzroy Reef, Queensland (23°34'92"S 152°11.76'E), transect 1, baited trap 1, 58 m, 22.1°C, J.K. Lowry, P. Freewater & R.T. Springthorpe on MV *Reefknot*, 16–17 June 1993.

Tryphosella seasana

QLD 952. East of Fitzroy Reef, Queensland (23°34.92'S 152°11.76'E), transect 1, baited trap 2, 58 m, 22.1°C, J.K. Lowry, P. Freewater & R.T. Springthorpe on MV *Reefknot*, 16–17 June 1993.

Nagada uwedoae, *Tryphosella seasana*

QLD 953. East of Fitzroy Reef, Queensland (23°34.92'S 152°11.76'E), transect 1, baited trap 3, 58 m, 22.1°C, J.K. Lowry, P. Freewater & R.T. Springthorpe on MV *Reefknot*, 16–17 June 1993.

Ichnopus tenuicornis, *Nagada uwedoae*, *Tryphosella seasana*

QLD 954. East of Fitzroy Reef, Queensland (23°32.53'S 152°16.45'E), transect 1, baited trap 1, 105 m, 20.8°C, J.K. Lowry, P. Freewater & R.T. Springthorpe on MV *Reefknot*, 16–17 June 1993.

Nagada uwedoae, *Tryphosella seasana*

QLD 955/SEAS. East of Fitzroy Reef, Queensland (23°32.53'S 152°16.45'E), transect 1, baited trap 2, 105 m, 20.8°C, J.K. Lowry, P. Freewater & R.T. Springthorpe on MV *Reefknot*, 16–17 June 1993.

Metaprotella sandalensis, *Nagada uwedoae*, *Tryphosella seasana*

QLD 955/Shoalwater Bay. South-west end of Dome Island, Hervey Islands, Queensland (22°24.78'S 150°44.65'E), scrapings from rock, algal turf, *Halimeda*, *Dictyota*, *Lobophora* and corallines, 6 m, 22.6°C, A. Murray, 19 September 1993.

Hemiaegina minuta, *Metaprotella sandalensis*

QLD 957. South-east Quoin Island, Port Clinton, Queensland (22°34.02'S 150°47.89'E), *Caulerpa*, *Codium* and sponges on rocky ridge, 10 m, 22.4°C, A. Murray, 20 September 1993.

Hemiaegina minuta

QLD 969. Island off southern end of Freshwater Bay, Queensland (22°38.84'S 150°47.52'E), mixed benthic habitat, 2 m, 23.0°C., A. Murray, 21 September 1993.

Hemiaegina minuta

QLD 972. Island off southern end of Freshwater Bay, Queensland (22°38.84'S 150°47.52'E), ?*Dictyota*, 2 m, 23.0°C, G.D.F. Wilson, 21 September 1993.

Hemiaegina minuta

QLD 979. Island off southern end of Freshwater Bay, Queensland (22°38.84'S 150°47.52'E), from underside of boulders, 3 m, 22.4°C, K.B. Attwood, 22 September 1993.

Hemiaegina minuta, *Metaprotella sandalensis*

QLD 980. Island off southern end of Freshwater Bay, Queensland (22°38.84'S 150°47.52'E), sponge and ascidian from underneath rock, 3 m, 22.4°C, G.D.F. Wilson, 22 September 1993.

Hemiaegina minuta

QLD 983. Island off southern end of Freshwater Bay, Queensland (22°38.84'S 150°47.52'E), large ?eunicid tubes and ascidians under rock ledge, 3 m. 22.4°C, A. Murray, 22 September 1993.

Metaprotella sandalensis

QLD 985. Island off southern end of Freshwater Bay, Queensland (22°38.84'S 150°47.52'E), piece of wood, 3 m, 22.4°C, G.D.F. Wilson, 22 September 1993.

Metaprotella sandalensis

QLD 986. Island off southern end of Freshwater Bay, Queensland (22°38.84'S 150°47.52'E), worm tubes from underside of ledge, 4 m, 22.4°C, A. Murray, 22 September 1993.

Metaprotella sandalensis

QLD 990. Island off southern end of Freshwater Bay, Queensland (22°38.84'S 150°47.52'E), onuphid tubes and rubble from bottom, 3 m, 22.4°C, C. A. Murray, 22 September 1993.

Metaprotella sandalensis

QLD 1032. East of Flynn Reef, Queensland (16°41.61'S 146°17.94'E), transect 1, baited trap 2, 50 m, 25.9°C, J.K. Lowry & K. Dempsey on RV *Sunbird*, 18–19 May 1994.

Tryphosella flynnana

QLD 1033. East of Flynn Reef, Queensland (16°41.61'S 146°17.94'E), transect 1, baited trap 3, 50 m, 25.9°C, J.K. Lowry & K. Dempsey on RV *Sunbird*, 18–19 May 1994.

Ichnopus tenuicornis

QLD 1034. East of Flynn Reef, Queensland (16°41.32'S 146°18.26'E), transect 1, baited trap 1 and sediment, 100 m, 25.8°C, J.K. Lowry & K. Dempsey on RV *Sunbird*, 18–19 May 1994.

Tryphosella flynnana

QLD 1037. East of Flynn Reef, Queensland (16°40.82'S 146°18.81'E), transect 1, baited trap 1 and sediment, 18.3°C, 200 m, J.K. Lowry & K. Dempsey on RV *Sunbird*, 18–19 May, 1994.

Ichnopus tenuicornis

QLD 1039. East of Flynn Reef, Queensland (16°40.82'S 146°18.81'E), transect 1, baited trap 1, 18.3°C, 200 m, J.K. Lowry & K. Dempsey on RV *Sunbird*, 18–19 May, 1994.

Ichnopus tenuicornis

QLD 1052. East of Flynn Reef, Queensland (16°41.61'S 146°17.94'E), transect 2, baited trap 1 and sediment, 50 m, J.K. Lowry & K. Dempsey on RV *Sunbird*, 19–20 May 1994.

Ichnopus tenuicornis, *Tryphosella flynnana*

QLD 1054. East of Flynn Reef, Queensland (16°41.61'S 146°17.94'E), transect 2, baited trap 3, 50 m, J.K. Lowry & K. Dempsey on RV *Sunbird*, 19–20 May 1994.

Ichnopus tenuicornis, *Tryphosella flynnana*

QLD 1055. East of Flynn Reef, Queensland (16°41.32'S 146°18.26'E), transect 2, baited trap 1 and sediment, 100 m, J.K. Lowry & K. Dempsey on RV *Sunbird*, 19–20 May 1994.

Ichnopus tenuicornis, *Nagada uwedoae*, *Tryphosella flynnana*

QLD 1057. East of Flynn Reef, Queensland (16°41.32'S 146°18.26'E), transect 2, baited trap 3, 100 m, J.K. Lowry & K. Dempsey on RV *Sunbird*, 19–20 May 1994.

Tryphosella flynnana

QLD 1059. East of Flynn Reef, Queensland (16°40.82'S 146°18.81'E), transect 2, baited trap 2, 200 m, J.K. Lowry & K. Dempsey on RV *Sunbird*, 19–20 May 1994.

Ichnopus tenuicornis

QLD 1060. East of Flynn Reef, Queensland (16°40.82'S 146°18.81'E), transect 2, baited trap 3, 200 m, J.K. Lowry & K. Dempsey on RV *Sunbird*, 19–20 May 1994.

Ichnopus tenuicornis

QLD 1073. East of Fitzroy Reef, Queensland (23°32.46'S 152°16.45'E), baited trap, 58 m, J.K. Lowry & K. Dempsey on MV *Reefknot*, 2–3 June 1994.

Nagada uwedoae, *Tryphosella bet*

- QLD 1075. East of Fitzroy Reef, Queensland (23°32'53"S 152°16'44"E), baited trap 3, 58 m, J.K. Lowry & K. Dempsey, MV *Reefknot*, 2–3 June 1994.
Nagada uwedoae, *Tryphosella bet*
- QLD 1076. East of Fitzroy Reef, Queensland (23°32'53"S 152°16'44"E), baited trap 1, 100 m, J.K. Lowry & K. Dempsey, MV *Reefknot*, 2–3 June 1994.
Nagada uwedoae, *Tryphosella seasana*
- QLD 1078. East of Fitzroy Reef, Queensland (23°32'53"S 152°16'44"E), baited trap 3, 100 m, J.K. Lowry & K. Dempsey, MV *Reefknot*, 2–3 June 1994.
Nagada uwedoae, *Tryphosella seasana*
- QLD 1091. East of Fitzroy Reef, Queensland (23°34'92"S 152°11'76"E), baited trap 1, 58 m, J.K. Lowry & K. Dempsey on MV *Reefknot*, 3–4 June 1994.
Tryphosella bet
- QLD 1093. East of Fitzroy Reef, Queensland (23°34'92"S 152°11'76"E), baited trap 3, 58 m, J.K. Lowry & K. Dempsey on MV *Reefknot*, 3–4 June 1994.
Nagada uwedoae, *Tryphosella bet*
- QLD 1096. East of Fitzroy Reef, Queensland (23°32'53"S 152°16'44"E), baited trap 3, 100 m, J.K. Lowry & K. Dempsey on MV *Reefknot*, 3–4 June 1994.
Nagada uwedoae, *Tryphosella seasana*
- QLD 1195. Due east of Mooloolaba, Queensland (26°39.13'S 153°18.88'E), baited trap 1, 20°C, 50 m, J.K. Lowry & K. Dempsey on MV *Capricorn I*, 2–3 July 1995.
Ichnopus tenuicornis
- QLD 1197. Due east of Mooloolaba, Queensland (26°39.13'S 153°18.88'E), baited trap 3, 20°C, 50 m, J.K. Lowry & K. Dempsey on MV *Capricorn I*, 2–3 July 1995.
Ichnopus tenuicornis
- QLD 1198. Due east of Mooloolaba, Queensland (26°36.21'S 153°34.90'E), baited trap 1, 100 m, 17.2°C, J.K. Lowry & K. Dempsey on MV *Capricorn I*, 2–3 July 1995.
Tryphosella seasana
- QLD 1199. Due east of Mooloolaba, Queensland (26°36.21'S 153°34.90'E), baited trap 2, 100 m, 17.2°C, J.K. Lowry & K. Dempsey on MV *Capricorn I*, 2–3 July 1995.
Tryphosella seasana
- QLD 1213. Due east of Mooloolaba, Queensland (26°39.13'S 153°18.88'E), baited trap 1, 20°C, 50 m, J.K. Lowry & K. Dempsey on MV *Capricorn I*, 3–4 July 1995.
Ichnopus tenuicornis
- QLD 1215. Due east of Mooloolaba, Queensland (26°39.13'S 153°18.88'E), baited trap 3, 20°C, 50 m, J.K. Lowry & K. Dempsey on MV *Capricorn I*, 3–4 July 1995.
Ichnopus tenuicornis
- QLD 1318. Southern reef flat, near research station, Heron Reef, Heron Island, Queensland (23°27'S 151°55'E), mixed *Padina* spp. and *Halimeda* spp., 0.5 m, R. Evans & S. Richards, 11 February 1999.
Cymadusa heronensis
- QLD 1319. Southern reef flat, near research station, Heron Reef, Heron Island, Queensland (23°27'S 151°55'E), *Dictyota* spp. mixed with turf and *Halimeda* spp, 0.5 m, R. Evans & S. Richards, 11 February 1999.

Mallacoota capricornia, *Mallacoota nananui*

QLD 1321. Southern reef flat, near research station, Heron Reef, Heron Island, Queensland (23°27'S 151°55'E), *Padina australis* (replicates 1/2), 0.5 m, R. Evans & S. Richards, 11 February 1999.

Cymadusa heronensis

QLD 1323/1329. Southern reef flat, near research station, Heron Reef, Heron Island, Queensland (23°27'S 151°55'E), *Dictyota* spp., *Padina australis*, *Halimeda* spp, *Sargassum* spp., 0.5 m, R. Evans & S. Richards, 11 February 1999.

Cymadusa heronensis

QLD 1324. Southern reef flat, near research station, Heron Reef, Heron Island, Queensland (23°27'S 151°55'E), *Padina australis*, 0.5 m, R. Evans & S. Richards, 11 February 1999.

Cymadusa heronensis

QLD 1325. Southern reef flat, near research station, Heron Reef, Heron Island, Queensland (23°27'S 151°55'E), *Dictyota* spp. and *Padina* spp. mix, 0.5 m, R. Evans & S. Richards, 11 February 1999.

Cymadusa heronensis

QLD 1326. Southern reef flat, near research station, Heron Reef, Heron Island, Queensland (23°27'S 151°55'E), *Padina australis*, 0.5 m, R. Evans & S. Richards, 11 February 1999.

Cymadusa heronensis

QLD 1327. Southern reef flat, near research station, Heron Reef, Heron Island, Queensland (23°27'S 151°55'E), mixed *Padina* spp. and *Halimeda* spp., 0.5 m, R. Evans & S. Richards, 11 February 1999.

Cymadusa heronensis

QLD 1328. Southern reef flat, near research station, Heron Reef, Heron Island, Queensland (23°27'S 151°55'E), mixed *Sargassum* spp., 0.5 m, R. Evans & S. Richards, 11 February 1999.

Cymadusa heronensis

QLD 1329. Southern reef flat, near research station, Heron Reef, Heron Island, Queensland (23°27'S 151°55'E), mixed turf of *Dictyota* spp., *Padina* spp. and *Halimeda* spp., collected by hand on snorkel, 0.5 m, R. Evans & S. Richards, 11 February 1999.

Cymadusa heronensis

QLD 1333. Shallow lagoon, Heron Island, Queensland (23°27'S 151°55'E), *Dictyota*, R. Evans & S. Richards, 13 February 1999.

Ampithoe waialua

QLD 1334. Shallow lagoon, Heron Reef, Heron Island, Queensland (23°27'S 151°55'E), *Dictyota*, 1.4 m, R. Evans & S. Richards, 13 February 1999.

Ampithoe meganae, *Ampithoe waialua*

QLD 1335. Edge of Wistari Channel, Wistari Reef, Queensland (23°29'S 151°54' E), mixed red turf, *Caulerpa nummularia* (coin caulerpa) and *Halimeda*, R. Evans & S. Richards, 13 February 1999.

Plumithoe quadrimana

QLD 1336. Northern reef flat, Heron Reef, Heron Island, Queensland (23°27'S 151°55'E), *Dictyota* sp., *Padina* sp. and *Sargassum* sp., 0.5 m, R. Evans & S. Richards, 14 February 1999.

Cymadusa wistari, *Mallacoota capricornia*

QLD 1337. Northern reef flat, Heron Reef, Heron Island, Queensland (23°27'S 151°55'E), *Padina australis*, 0.5 m, R. Evans & S. Richards, 14 February 1999.

Cymadusa cavimana, *Cymadusa wistari*

- QLD 1338. Northern reef flat, Heron Reef, Heron Island, Queensland (23°27'S 151°55'E), *Padina australis*, 0.5 m, R. Evans & S. Richards, 14 February 1999.
Cymadusa wistari
- QLD 1339. Northern reef flat, Heron Reef, Heron Island, Queensland (23°27'S 151°55'E), *Padina australis*, 0.5 m, R. Evans & S. Richards, 14 February 1999.
Cymadusa wistari
- QLD 1341. Northern reef flat, Heron Reef, Heron Island, Queensland (23°27'S 151°55'E), *Padina australis*, 0.5 m, R. Evans & S. Richards, 14 February 1999.
Cymadusa wistari
- QLD 1342. Northern reef flat, Heron Reef, Heron Island, Queensland (23°27'S 151°55'E), *Padina australis*, 0.5 m, R. Evans & S. Richards, 14 February 1999.
Cymadusa tattersalli
- QLD 1343. Northern reef flat, Heron Reef, Heron Island, Queensland (23°27'S 151°55'E), mixed *Sargassum* spp., 0.5 m, R. Evans & S. Richards, 14 February 1999.
Cymadusa heronensis
- QLD 1344. Northern reef flat, Heron Reef, Heron Island, Queensland (23°27'S 151°55'E), *Caulerpa* spp., 0.5 m, S. Smith, 14 February 1999.
Cymadusa heronensis
- QLD 1347. Clam Gardens, Mrs Watsons Bay, Lizard Island, Queensland (14°39'52.8"S 145°27'00"E), encrusted calcareous algae on coral, 5.1 m, R. Peart, K. Dempsey & M. Huggett, 15 November 1999.
Shoemakerella barnardi
- QLD 1362. Mermaid Cove, Lizard Island, Queensland (14°38'57.6"S 145°27'08.4"E), *Sargassum* sp., 5m, R. Peart, K. Dempsey & M. Huggett, 16 November 1999.
Cymadusa thagaay
- QLD 1364. Coconut Beach, Lizard Island, Queensland (14°40'48.6"S 145°28'24.6"E), 1.5 m, R. Peart, K. Dempsey & M. Huggett, 17 November 1999.
Tryphosella cameloides
- QLD 1365. Coconut Beach, Lizard Island, Queensland (14°40'48.6"S 145°28'24.6"E), seagrass and sediment, 1.5 m, R. Peart, K. Dempsey & M. Huggett, 17 November 1999.
Ampithoe katae, *Cymadusa thagaay*
- QLD 1370. Mangrove Beach, Lizard Island, Queensland (14°40'59.4"S 145°27'37.8"E), *Turbinaria* sp. on reef, 3 m, R. Peart, K. Dempsey & M. Huggett, 19 November 1999.
Ampithoe meganae, *Cymadusa thagaay*
- QLD 1371. Mangrove Beach, Lizard Island, Queensland (14°40'59.4"S 145°27'37.8"E), green crusty algae on sand, 3 m, R. Peart, K. Dempsey & M. Huggett, 19 November 1999.
Cymadusa thagaay, *Cymadusa wistari*
- QLD 1372. Mangrove Beach, Lizard Island, Queensland (14°40'59.4"S 145°27'37.8"E), *Turbinaria* sp. on reef, 3 m, R. Peart, K. Dempsey & M. Huggett, 19 November 1999.
Ampithoe katae
- QLD 1374. Mangrove Beach, Lizard Island, Queensland (14°40'59.4"S 145°27'37.8"E), *Turbinaria* sp. on reef, 3 m, R. Peart, K. Dempsey & M. Huggett, 19 November 1999.

Cymadusa cavimana

QLD 1376. North side of Mrs Watsons Bay, Lizard Island, Queensland (14°39'38.4"S 145°27'03"E), crusty red algae on reef, 5 m, R. Peart, K. Dempsey & M. Huggett, 20 November 1999.

Cymadusa cavimana

QLD 1378. South side of Mrs Watsons Bay, Lizard Island, Queensland (14°39'57.6"S 145°26'58.2"E), crusty red algae on reef, 5 m, R. Peart, K. Dempsey & M. Huggett, 20 November 1999.

Cymadusa thagaay

QLD 1382. Off Picnic Beach, south east side of Palfrey Island, Queensland (14°41'30"S 145°27'03"E), *Turbinaria* sp. on reef, 5 m, R. Peart, K. Dempsey & M. Huggett, 21 November 1999.

Cymadusa cavimana

QLD 1391. Off Casuarina Beach, Lizard Island, Queensland (14°40'37.8"S 145°26'42.6"E), *Padina* sp. on sand, 1 m, R. Peart, K. Dempsey & M. Huggett, 21 November 1999.

Cymadusa cavimana

QLD 1396. Off Casuarina Beach, Lizard Island, Queensland (14°40'37.8"S 145°26'42.6"E), crusty green algae on sand, 1 m, R. Peart, K. Dempsey & M. Huggett, 21 November 1999.

Cymadusa cavimana

QLD 1397. Off Casuarina Beach, Lizard Island, Queensland (14°40'37.8"S 145°26'42.6"E), crusty green algae on sand, 1 m, R. Peart, K. Dempsey & M. Huggett, 21 November 1999.

Ampithoe meganae, *Cymadusa cavimana*

QLD 1464. West side of Blue Lagoon between Palfrey Island and Lizard Island, Queensland (14°41'S 145°27'E), broken *Acropora* heavily encrusted with brown/green filamentous algae, 2–3 m, J.M. Guerra-García & S.J. Keable, 7 October 2001.

Metaprotella sandalensis

QLD 1465. West side of Blue Lagoon between Palfrey Island and Lizard Island, Queensland (14°41'S 145°27'E), *Turbinaria ornata*, 2–3 m, J.M. Guerra-García & S.J. Keable, 7 October 2001.

Metaprotella sandalensis

QLD 1468. West side of Blue Lagoon between Palfrey Island and Lizard Island, Queensland (14°41'S 145°27'E), colony of small brown tunicate cf. *Aplidium* sp., 2–3 m, J.M. Guerra-García & S.J. Keable, 7 October 2001.

Metaprotella sandalensis, *Quadrisegmentum triangulum*

QLD 1469. West side of Blue Lagoon between Palfrey Island and Lizard Island, Queensland (14°41'S 145°27'E), coral rubble, 2–3 m, J.M. Guerra-García & S.J. Keable, 7 October 2001.

Metaprotella sandalensis, *Quadrisegmentum triangulum*

QLD 1470. Blue Lagoon, Lizard Island, Queensland (14°41'S 145°27'E), hydroid *Gymnangium* sp. on hard coral, 9 m, Soren Sehubert, October 2001.

Metaprotella sandalensis

QLD 1472. Coconut Beach, Lizard Island, Queensland (14°41'S 145°27'E), hydroid *Aglaophenia cupressina*, 3–4 m, J.M. Guerra-García & S.J. Keable, 8 October 2001.

Metaprotella sandalensis

QLD 1473. Coconut Beach, Lizard Island, Queensland (14°41'S 145°27'E), dead *Junceella* (sea whip) heavily encrusted with various epiphytes, 12 m, J.M. Guerra-García & S.J. Keable, 8 October 2001.

Metaprotella sandalensis

- QLD 1474. Coconut Beach, Lizard Island, Queensland (14°41'S 145°27'E), hydroid *Macrorhynchia philippina*, 4 m, J.M. Guerra-García & S.J. Keable, 8 October 2001.
Metaprotella sandalensis
- QLD 1475. Coconut Beach, Lizard Island, Queensland (14°41'S 145°27'E), dead thick branching hard coral encrusted with calcareous red algae and filamentous algal turf, 8 m, J.M. Guerra-García & S.J. Keable, 8 October 2001.
Aciconula australiensis, *Jigurru vailhoggett*, *Pseudoproto fallax*
- QLD 1476. Coconut Beach, Lizard Island, Queensland (14°41'S 145°27'E), fine live hard coral encrusted with calcareous red algae and filamentous red/green/brown algal turf, 6 m, J.M. Guerra-García & S.J. Keable, 8 October 2001.
Metaprotella sandalensis, *Pseudaeginella* cf. *biscaynensis*, *Quadrisegmentum triangulum*
- QLD 1477. Coconut Beach, Lizard Island, Queensland (14°41'S 145°27'E), coral rubble, branching pieces and flat piece with small holes, 10–13 m, J.M. Guerra-García & S.J. Keable, 8 October 2001.
Metaprotella sandalensis
- QLD 1478. Coconut Beach, Lizard Island, Queensland (14°41'S 145°27'E), coarse shelly sediment, 12 m, J.M. Guerra-García & S.J. Keable, 8 October 2001.
Metaprotella sandalensis
- QLD 1483. Crystal Beach, Lizard Island, Queensland (14°41'S 145°27'E), thick branching coral rubble encrusted with red algal turf and black sponge half buried in sediment, 5 m, J.M. Guerra-García & S.J. Keable, 9 October 2001.
Quadrisegmentum triangulum
- QLD 1484. Crystal Beach, Lizard Island, Queensland (14°41'S 145°27'E), hydroid *Macrorhynchia philippina*, 3 m, J.M. Guerra-García & S.J. Keable, 9 October 2001.
Metaprotella sandalensis
- QLD 1485. Crystal Beach, Lizard Island, Queensland (14°41'S 145°27'E), thin branching living coral heavily encrusted with brown/green algal turf and red calcareous algae, 4 m, J.M. Guerra-García & S.J. Keable, 9 October 2001.
Quadrisegmentum triangulum
- QLD 1486. Crystal Beach, Lizard Island, Queensland (14°41'S 145°27'E), coarse sediment composed largely of spiny foraminifera with some shell, 9–9.4 m, J.M. Guerra-García & S.J. Keable, 9 October 2001.
Metaprotella sandalensis, *Metaproto novaehollandiae*
- QLD 1487. Crystal Beach, Lizard Island, Queensland (14°41'S 145°27'E), coarse sediment composed largely of spiny foraminifera with some shell and small pieces of coral rubble, 4–5 m, J.M. Guerra-García & S.J. Keable, 9 October 2001.
Metaprotella sandalensis
- QLD 1503. Just north of Turtle Beach, Lizard Island, Queensland (14°41'S 145°27'E), clump of silty algae (cf. *Halymenia*), 14 m, J.M. Guerra-García & S.J. Keable, 10 October 2001.
Metaprotella sandalensis
- QLD 1505. Just north of Turtle Beach, Lizard Island, Queensland (14°41'S 145°27'E), hydroid *Macrorhynchia philippina*, 14 m, J.M. Guerra-García & S.J. Keable, 10 October 2001.
Protella similis
- QLD 1507. Just north of Turtle Beach, Lizard Island, Queensland (14°41'S 145°27'E), erect brown sponge cf. *Pericharax heteroraphis*, 14 m, J.M. Guerra-García & S.J. Keable, 10 October 2001.
Protella similis
- QLD 1509. Just north of Turtle Beach, Lizard Island, Queensland (14°41'S 145°27'E), hydroid *Gymnangium* sp. 14 m, J.M. Guerra-García & S.J. Keable, 10 October 2001.

Metaprotella sandalensis

QLD 1511. Just north of Turtle Beach, Lizard Island, Queensland (14°41'S 145°27'E), sediment (about 40% < 0.5mm remaining 60% shelly and coarse sand), 2–3m, J.M. Guerra-García & S.J. Keable, 10 October 2001.

Protella similis

QLD 1514. Mrs Watsons Bay, Lizard Island, Queensland (14°40'S 145°27'E), sediment (~65% < 0.5 mm, remaining ~35% coarse (5 mm) shell, *Halimeda* flakes and forams cf. *Marginopora vertebralis*), 18 m, J.M. Guerra-García & S.J. Keable, 11 October 2001.

Metaprotella sandalensis

QLD 1515. Mrs Watsons Bay, Lizard Island, Queensland (14°40'S 145°27'E), petrified branching stick covered in fine filamentous red algae, calcareous red algae and small brown alga cf. *Zonaria*, 18 m, J.M. Guerra-García & S.J. Keable, 11 October 2001.

Metaprotella sandalensis

QLD 1516. Mrs Watsons Bay, Lizard Island, Queensland (14°40'S 145°27'E), *Halimeda cylindracea*, 18 m, J.M. Guerra-García & S.J. Keable, 11 October 2001.

Metaprotella sandalensis

QLD 1517. Mrs Watsons Bay, Lizard Island, Queensland (14°40'S 145°27'E), orange convoluted sponge cf. *Clathria* with some small algae *Udotea*, 18 m, J.M. Guerra-García & S.J. Keable, 11 October 2001.

Metaprotella sandalensis

QLD 1519. Mrs Watsons Bay, Lizard Island, Queensland (14°40'S 145°27'E), mixed sample of *Caulerpa taxifolia* some *Halimeda* cf. *macroloba* some *Udotea* and some flocculent material, 18 m, J.M. Guerra-García & S.J. Keable, 11 October 2001.

Metaprotella sandalensis

QLD 1520. Mrs Watsons Bay, Lizard Island, Queensland (14°40'S 145°27'E), *Caulerpa taxifolia*, 18 m, J.M. Guerra-García & S.J. Keable, 11 October 2001.

Metaprotella sandalensis

QLD 1522. Mrs Watsons Bay, Lizard Island, Queensland (14°40'S 145°27'E), alga cf. *Gracilaria* on dead *Halimeda cylindracea* with sediment (fine sand and shell), 18 m, J.M. Guerra-García & S.J. Keable, 11 October 2001.

Metaprotella sandalensis

QLD 1523. Just north of Chinaman's Ridge, Lizard Island, Queensland (14°40'S 145°27'E), sediment (fine sand and shell) next to reef, 4 m, J.M. Guerra-García & S.J. Keable, 11 October 2001.

Metaprotella novaehollandiae

QLD 1524. Chinamans Ridge, Lizard Island, Queensland (14°40'S 145°27'E), *Padina* cf. *gymnospora* from reef, 2 m, J.M. Guerra-García & S.J. Keable, 11 October 2001.

Quadrisegmentum triangulum

QLD 1525. North-west edge of Palfrey Island, Lizard Island, Queensland (14°41'S 145°27'E), hydroid cf. *Macrorhynchia philippina*, 6 m, J.M. Guerra-García & S.J. Keable, 12 October 2001.

Protella similis

QLD 1526. North-west edge of Palfrey Island, Lizard Island, Queensland (14°41'S 145°27'E), *Halimeda micronesia* and *H. macroloba*, 3 m, J.M. Guerra-García & S.J. Keable, 12 October 2001.

Quadrisegmentum triangulum

- QLD 1527 North-west edge of Palfrey Island, Lizard Island, Queensland (14°41'S 145°27'E), hydroid *Gymnangium* sp., 6 m, J.M. Guerra-García & S.J. Keable, 12 October 2001.
Protella similis
- QLD 1528. North-west edge of Palfrey Island, Lizard Island, Queensland (14°41'S 145°27'E), dead *Junceella* heavily encrusted with red algal turf and calcareous red algae, 12 m, J.M. Guerra-García & S.J. Keable, 12 October 2001.
Metaprotella sandalensis, *Quadrisegmentum triangulum*
- QLD 1529. North-west edge of Palfrey Island, Lizard Island, Queensland (14°41'S 145°27'E), *Padina* sp., 3–12 m, J.M. Guerra-García & S.J. Keable, 12 October 2001.
Metaprotella sandalensis
- QLD 1531. North-west edge of Palfrey Island, Lizard Island, Queensland (14°41'S 145°27'E), dead gorgonian with epiphytes, 12 m, J.M. Guerra-García & S.J. Keable, 12 October 2001.
Metaprotella sandalensis
- QLD 1532. North-west edge of Palfrey Island, Lizard Island, Queensland (14°41'S 145°27'E), sediment (coarse-medium sand with ~35% medium shell), 12 m, J.M. Guerra-García & S.J. Keable, 12 October 2001.
Metaprotella sandalensis
- QLD 1533. North end of Mermaid Beach, Lizard Island, Queensland (14°41'S 145°27'E), *Padina* sp., 4 m, J.M. Guerra-García & S.J. Keable, 12 October 2001.
Quadrisegmentum triangulum
- QLD 1535 Blue Lagoon between Bird Islet and South Island, Lizard Island, Queensland (14°41'S 145°27'E), algae *Tydemania expeditionis*, 2–3 m, J.M. Guerra-García & S.J. Keable, 13 October 2001. Preserved in 95% ethanol.
Metaprotella novaehollandiae
- QLD 1536. Blue Lagoon between Bird Islet and South Island, Lizard Island, Queensland (14°41'S 145°27'E), mixed encrusted coral rubble, 2 m, J.M. Guerra-García & S.J. Keable, 13 October 2001.
Quadrisegmentum triangulum
- QLD 1538. Blue Lagoon between Bird Islet and South Island, Lizard Island, Queensland (14°41'S 145°27'E), sediment (medium grained sand), 6 m, J.M. Guerra-García & S.J. Keable, 13 October 2001.
Metaprotella novaehollandiae, *Perotripus keablei*
- QLD 1541. Reef slope on south side of South Island, Lizard Island, Queensland (14°41'S 145°27'E), gorgonian cf. *Paracis* sp., 20 m, J.M. Guerra-García & S.J. Keable, 14 October 2001.
Quadrisegmentum triangulum
- QLD 1543. Reef slope on south side of South Island, Lizard Island, Queensland (14°41'S 145°27'E), unidentified fine delicate hydroid, 25 m, J.M. Guerra-García & S.J. Keable, 14 October 2001.
Metaprotella sandalensis
- QLD 1545. Reef slope on south side of South Island, Lizard Island, Queensland (14°41'S 145°27'E), gorgonian cf. *Mopsella* sp., 20 m, J.M. Guerra-García & S.J. Keable, 14 October 2001.
Quadrisegmentum triangulum
- QLD 1546. Reef slope on south side of South Island, Lizard Island, Queensland (14°41'S 145°27'E), hydroid *Aglaophenia delicatula*, 20 m, J.M. Guerra-García & S.J. Keable, 14 October 2001.
Protella similis
- QLD 1547. Reef slope on south side of South Island, Lizard Island, Queensland (14°41'S 145°27'E), hydroid *Macrorhynchia philippina*, 10–20 m, J.M. Guerra-García & S.J. Keable, 14 October 2001.

Protella similis

QLD 1549. Reef slope on south side of South Island, Lizard Island, Queensland (14°41'S 145°27'E), coarse coral sediment with some small gravel and rubble, 20 m, J.M. Guerra-García & S.J. Keable, 14 October 2001.

Metaprotella sandalensis

QLD 1550. Reef slope on south side of South Island, Lizard Island, Queensland (14°41'S 145°27'E), purple tube sponge cf. *Kallypidion* sp., 20 m, J.M. Guerra-García & S.J. Keable, 14 October 2001.

Quadrisegmentum lowryi

QLD 1553. North Point, Lizard Island, Queensland (14°41'S 145°27'E), hydroid cf. *Aglaophenia* sp. (not *A. cupressina*), 7 m, J.M. Guerra-García & S.J. Keable, 14 October 2001.

Metaprotella sandalensis

QLD 1554. North Point, Lizard Island, Queensland (14°41'S 145°27'E), mixed hydroids (*Aglaophenia*, *Gymnangium* and *Macrorhynchia*) from walls and caves of canyon with strong current, 5–6 m, J.M. Guerra-García & S.J. Keable, 14 October 2001.

Metaprotella sandalensis

QLD 1557. Outer reef slope midway between Bird Islet and South Island, Lizard Island, Queensland (14°41'S 145°27'E), caprellids from small orange gorgonian, 6 m, J.M. Guerra-García & S.J. Keable, 15 October 2001.

Metaprotella sandalensis

QLD 1559. Outer reef slope midway between Bird Islet and South Island, Lizard Island, Queensland (14°41'S 145°27'E), tunicates cf. *Polycarpa pigmentata* encrusted with algal turf and hydroids from sediment slope, 20 m, J.M. Guerra-García & S.J. Keable, 15 October 2001.

Orthoprotella australis

QLD 1560. Outer reef slope midway between Bird Islet and South Island, Lizard Island, Queensland (14°41'S 145°27'E), hydroid *Salacia* n.sp. from sediment slope, 25 m, J.M. Guerra-García & S.J. Keable, 15 October 2001.

Orthoprotella australis

QLD 1561. Outer reef slope midway between Bird Islet and South Island, Lizard Island, Queensland (14°41'S 145°27'E), hydroid *Macrorhynchia phoenicia* from sediment slope, 10–15 m, J.M. Guerra-García & S.J. Keable, 15 October 2001.

Metaprotella sandalensis

QLD 1562. Outer reef slope midway between Bird Islet and South Island, Lizard Island, Queensland (14°41'S 145°27'E), hydroid *Macrorhynchia philippina* from sediment slope, ~10 m, J.M. Guerra-García & S.J. Keable, 15 October 2001.

Orthoprotella australis

QLD 1563. Outer reef slope midway between Bird Islet and South Island, Lizard Island, Queensland (14°41'S 145°27'E), coarse shelly sediment from slope with some foraminiferans (cf. *Marginopora*) and *Halophila ovalis*, 15–20 m, J.M. Guerra-García & S.J. Keable, 15 October 2001.

Metaprotella novaehollandiae

QLD 1564. Reef slope south of "Washing Machine", north-east side of Lizard Island, Queensland (14°41'S 145°27'E), mixed hydroids (90% brown unidentified species, remainder *Macrorhynchia philippina*), 5 m, J.M. Guerra-García & S.J. Keable, 16 October 2001.

Hemiaegina minuta, *Metaprotella sandalensis*

QLD 1565. Reef slope south of "Washing Machine", north-east side of Lizard Island, Queensland (14°41'S 145°27'E), caprellids from brown sponge cf. *Clathria reinwardti*, 18 m, J.M. Guerra-García & S.J. Keable, 16 October 2001.

Quadrisegmentum triangulum

QLD 1567. Reef slope south of "Washing Machine", north-east side of Lizard Island, Queensland (14°41'S 145°27'E), hydroid cf. *Solanderia* sp. from cave, 6 m, J.M. Guerra-García & S.J. Keable, 16 October 2001.

Aciconula australiensis,

QLD 1568. Reef slope south of "Washing Machine", north-east side of Lizard Island, Queensland (14°41'S 145°27'E), *Halimeda macroloba*, 6 m, J.M. Guerra-García & S.J. Keable, 16 October 2001.

Metaprotella sandalensis, *Quadrisegmentum triangulum*

QLD 1569. Reef slope south of "Washing Machine", north-east side of Lizard Island, Queensland (14°41'S 145°27'E), sediment with *Halimeda cylindracea*, some *Udotea* and *Caulerpa* sp., 5 m, J.M. Guerra-García & S.J. Keable, 16 October 2001.

Quadrisegmentum triangulum

QLD 1570. Reef slope south of "Washing Machine", north-east side of Lizard Island, Queensland (14°41'S 145°27'E), mixed hydroids (*Aglaeophenia* sp., *Gymnangium gracilicaule*, *Macrorhynchia philippina* and large unidentified species), 3 m, J.M. Guerra-García & S.J. Keable, 16 October 2001.

Metaprotella sandalensis, *Orthoprotella* sp.

QLD 1571. Reef slope south of "Washing Machine", north-east side of Lizard Island, Queensland (14°41'S 145°27'E), large brown sponge (cf. *Jaspis*) sp., 15–20 m, J.M. Guerra-García & S.J. Keable, 16 October 2001.

Metaprototo novaehollandiae

QLD 1572. Reef slope south of "Washing Machine", north-east side of Lizard Island, Queensland (14°41'S 145°27'E), fine sand with small amount of fine shell, 20–25 m, J.M. Guerra-García & S.J. Keable, 16 October 2001.

Metaprotella sandalensis, *Metaprototo novaehollandiae*

QLD 1573. Reef slope south of "Washing Machine", north-east side of Lizard Island, Queensland (14°41'S 145°27'E), mixed silty filamentous red algae and a little *Caulerpa taxifolia*, 6 m, J.M. Guerra-García & S.J. Keable, 16 October 2001.

Quadrisegmentum triangulum

QLD 1574. Off front of patch reefs at north end of Casuarina Beach, Lizard Island, Queensland (14°41'S 145°27'E), medium-grained sand, 4 m, J.M. Guerra-García & S.J. Keable, 16 October 2001.

Metaprototo novaehollandiae

QLD 1575. No Name Reef, Dynamite Passage, east of Lizard Island, Queensland (~14°41'S 145°27'E), medium-fine grained sand with some silt, 10 m, J.M. Guerra-García & S.J. Keable, 17 October 2001.

Metaprototo novaehollandiae

QLD 1579. Pidgin Point, Lizard Island, Queensland (14°41'S 145°27'E), hydroid *Macrorhynchia philippina* near sediment, 20–25 m, J.M. Guerra-García & S.J. Keable, 18 October 2001.

Protella similis

QLD 1580. Pidgin Point, Lizard Island, Queensland (14°41'S 145°27'E), hydroid *Halopteris buskii*, 5–10 m, J.M. Guerra-García & S.J. Keable, 18 October 2001.

Orthoprotella pearce

QLD 1581. Pidgin Point, Lizard Island, Queensland (14°41'S 145°27'E), sponge cf. *Clathria reinwardti*, 20 m, J.M. Guerra-García & S.J. Keable, 18 October 2001.

Orthoprotella australis, *Quadrisegmentum triangulum*

- QLD 1585. Reef just south-west of Osprey Islet, Lizard Island, large amount of hydroid *Macrorhynchia philippina*, 5–10 m, J.M. Guerra-García & S.J. Keable, 18 October 2001.
Metaprotella sandalensis
- QLD 1588. Reef just south-west of Osprey Islet, Lizard Island, fine-medium sand with some shell, 10–12 m, J.M. Guerra-García & S.J. Keable, 18 October 2001.
Quadrisegmentum triangulum
- QLD 1618. 200 m off Research Beach, Lizard Island, Queensland (14°40.834'S 145°26.749'E), algae on aquarium pipe, sandy bottom, coral reef, 2 m, J. Just, 22 February 2005.
Azotostoma fusta, *Bemlos clypeatus*, *Elasmopus crenulatus*, *Lelehua myersi*, *Mallacoota capricornia*
- QLD 1619. Reef crest off Coconut Beach, Lizard Island, Queensland (14°41.037'S 145°28.282'E), coarse sand, sand patches between reef, 2.6 m, M. Yerman, 23 February 2005.
Gibberosus udarus, *Limnoporeia woorake*, *Periculodes talboti*
- QLD 1620. Reef crest off Coconut Beach, Lizard Island, Queensland (14°41.037'S 145°28.282'E), coarse sand, sand patches between reef, core, 2.6 m, M. Yerman, 23 February 2005.
Metaphoxus varanus, *Netamelita lacerta*, *Saurodocus minimarenius*
- QLD 1621. 300 m off south-east corner of Palfrey Island, Lizard Island, Queensland (14°41.71'S 145°27.06'E), coral rubble from rubble patches between coral bommies, airlift, 3.7 m, R.T. Springthorpe, J.K. Lowry & O. Coleman, 23 February 2005.
Bemlos clypeatus, *Birubius banksi*, *Chevalia tenuis*, *Elasmopus crenulatus*, *Glossomaera octodens*, *Guerneia ipilya*, *Latigammaropsis hermes*, *Leucothoe epidemos*, *Leucothoe pollexa*, *Limnoporeia cooki*, *Maeropsis cobia*, *Maeropsis griffini*, *Metaphoxus varanus*, *Paradexamine levitelson*, *Paradexamine micronesicus*, *Pareiasmopus suensis*, *Parhyale hawaiiensis*, *Periculodes talboti*, ?*Quadrimaera quadrimana*, *Seba mariolgae*
- QLD 1622. 300 m off south-east corner of Palfrey Island, Lizard Island, Queensland (14°41.71'S 145°27.06'E), coral rubble, rubble patches between coral bommies, washings, 3.7 m, R.T. Springthorpe, J.K. Lowry, O. Coleman, 23 February 2005.
Ampithoe katae, *Bemlos australis*, *Birubius banksi*, *Ceradocus yandala*, *Colomastix plumulosa*, *Elasmopus crenulatus*, *Globosolembos longispinosus*, *Globosolembos ovatus*, *Leucothoe epidemos*, *Liljeborgia joergpeteri*, *Maeropsis griffini*, *Paradexamine levitelson*, *Pareiasmopus suensis*, *Quadrimaera quadrimana*, *Quadrimaera serrata*
- QLD 1623. Mangrove Beach, Lizard Island, Queensland (14°40.78'S 145°27.76'E), dead *Rhizophora stylosa* (mangrove) roots, 1 m, S.E. LeCroy, 23 February 2005.
Parhyale hawaiiensis
- QLD 1624. Mangrove Beach, Lizard Island, Queensland (14°40.78'S 145°27.76'E), mangrove detritus, *Rhizophora stylosa* in lagoon, 0.5 m, T. Krapp-Schickel, 23 February 2005.
Grandidierella rhizophorae, *Periculodes talboti*
- QLD 1625. 200 m off Research Beach, Lizard Island, Queensland (14°40.83'S 145°26.75'E), fine biogenic sand, patches of reef and sand, 2.5 m, J. Just, 23 February 2005.
Amphilochus justi, *Podocerus casuarinensis*
- QLD 1626. 200 m off Research Beach, Lizard Island, Queensland (14°40.83'S 145°26.75'E), coarse biogenic sand with seagrass, patches of reef and sand, 2.5 m, J. Just, 23 February 2005.
Paradexamine saxeta
- QLD 1627. 200 m off Research Beach, Lizard Island, Queensland (14°40.83'S 145°26.75'E), coarse biogenic sand, patches of reef and sand, 2.5 m, J. Just, 23 February 2005.
Podocerus casuarinensis

- QLD 1629. Mangrove Beach, Lizard Island, Queensland (14°40.78'S 145°27.76'E), along edge of mangroves, *Rhizophora stylosa*, in lagoon, kick net (1 mm mesh), 1 m, C. Rakocinski & S. LeCroy, 23 February 2005.
Grandidierella rhizophorae
- QLD 1631. Mangrove Beach, Lizard Island, Queensland (14°40.78'S 145°27.76'E), detritus and leaf litter outside mangroves, *Rhizophora stylosa*, in lagoon, kick net (1 mm mesh), 1 m, C. Rakocinski, R. King & T. Krapp-Schickel, 23 February 2005.
Kamaka silvana
- QLD 1632. Research Beach, Lizard Island, Queensland (14°40.76'S 145°26.86'E), algal scrapings from buoy, sand and coral patches, surface, R. King & S. LeCroy, 24 February 2005.
Ampithoe katae, *Cymadusa alyxis*
- QLD 1634. Research Beach, Lizard Island, Queensland (14°40.76'S 145°26.86'E), rubble and algae, sand and coral patches, 3 m, R. King & S. LeCroy, 24 February 2005.
Bemlos waipio, *Leucothoe epidemos*, *Paradexamine saxeta*, *Parelasmpus suensis*
- QLD 1635. Research Beach, Lizard Island, Queensland (14°40.76'S 145°26.86'E), sparse seagrass, sand and coral patches, kick net (1 mm mesh), 2.5 m, S. LeCroy, 24 February 2005.
Podocerus casuarinensis
- QLD 1636. Mrs Watsons Bay, Lizard Island, Queensland (14°39.689'S 145°26.872'E), scrapings from mooring block, sandy bottom with mounds and *Udotea*, 8.3 m, P.B. Berents & L.E. Hughes, 24 February 2005.
Aoroides parvus, *Erichthonius parabrasiliensis*, *Pseudambasia acuticaudata*, *Wombalano yerang*
- QLD 1637. Research Beach, Lizard Island, Queensland (14°40.76'S 145°26.86'E), algae from coral rubble, sand, coral and rubble patches, 3 m, R. King, S. LeCroy & A. Myers, 24 February 2005.
Ampithoe meganae, *Bemlos clypeatus*, *Cymadusa cavimana*, *Mallacoota balara*, *Paradexamine saxeta*
- QLD 1638. Mrs Watsons Bay, Lizard Island, Queensland (14°39.40'S 145°27.14'E), tunicate '*Styela*' sp, patch reef, 5 m, J.K. Lowry, 24 February 2005.
Leucothoe epidemos
- QLD 1639. Mrs Watsons Bay, Lizard Island, Queensland (14°39.689'S 145°26.872'E), *Caulerpa taxifolia* green alga, sandy bottom with mounds and *Udotea*, 8.5 m, L.E. Hughes, 24 February 2005.
Erichthonius pugnax
- QLD 1640. Mrs Watsons Bay, Lizard Island, Queensland (14°39.689'S 145°26.872'E), *Udotea* (green alga) and sand, sandy bottom with mounds and *Udotea*, 8.5 m, P.B. Berents & C. Rakocinski, 24 February 2005.
Autonoe seurati, *Cymadusa imbroglio*, *Erichthonius pugnax*, *Gammaropsis hephaestus*, *Platyischnopus mam*, *Podocerus uncinatus*
- QLD 1641. Loomis Beach moorings, Lizard Island, Queensland (14°41.027'S 145°26.877'E), rock at base of mooring, sandy bottom, 3 m, J. Just, 24 February 2005.
Bemlos waipio, *Mallacoota balara*, *Pseudambasia acuticaudata*, *Shoemakerella barnardi*
- QLD 1643. Mrs Watsons Bay, Lizard Island, Queensland (14°39.41'S 145°27.14'E), sponge, patch reef, 5 m, C. Serejo, 24 February 2005.
Ampithoe katae, *Ceradocus crenatipalma*, *Colomastix plumulosa*, *Leucothoe epidemos*, *Leucothoe makrommatos*, *Leucothoe serrata*
- QLD 1644. Mrs Watsons Bay, Lizard Island, Queensland (14°39.689'S 145°26.872'E), scrapings from mooring line, sandy bottom with mounds and *Udotea*, 5 m, P.B. Berents & L.E. Hughes, 24 February 2005.
Erichthonius parabrasiliensis

- QLD 1645. Mrs Watsons Bay, Lizard Island, Queensland (14°39.41'S 145°27.14'E), coarse sand, sand with patchy seagrass and blue-green algae, hand dredge, 5 m, J.K. Lowry, C. Serejo & O. Coleman, 24 February 2005.
Ampelisca jügurru, *Autonoe seurati*, *Bemlos australis*, *Ceradocus oxyodus*, *Erichthonius pugnax*, *Globosolembos ovatus*, *Leucothoe epidemos*, *Maeropsis griffini*
- QLD 1646. Mrs Watsons Bay, Lizard Island, Queensland (14°39.689'S 145°26.872'E), *Udotea* (green alga) and sand, sandy bottom with mounds and *Udotea*, hand dredge, 9.2 m, R.T. Springthorpe, 24 February 2005.
Ampelisca jügurru, *Autonoe seurati*, *Paradexamine levitelson*, *Wombalano yerang*
- QLD 1647. Mrs Watsons Bay, Lizard Island, Queensland (14°39.689'S 145°26.872'E), *Udotea* (green alga) and sand, sandy bottom with mounds and *Udotea*, hand dredge, 9.2 m, R.T. Springthorpe, 24 February 2005.
Autonoe seurati, *Paradexamine micronesicus*
- QLD 1648. Mrs Watsons Bay, Lizard Island, Queensland (14°39.41'S 145°27.14'E), alga with intertwining branches, sand near patch reef, 5 m, J.K. Lowry & O. Coleman, 24 February 2005.
Bemlos mollis, *Cymadusa imbroglia*, *Erichthonius pugnax*
- QLD 1649. Loomis Beach moorings, Lizard Island, Queensland (14°41.027'S 145°26.877'E), rock at base of mooring, sandy bottom, 3 m, J. Just, 25 February 2005.
Ampithoe katae, *Anamixis bazimut*, *Colomastix lunalilo*, *Elasmopus crenulatus*, *Paradexamine micronesicus*, *Shoemakerella barnardi*
- QLD 1650. Loomis Beach moorings, Lizard Island, Queensland (14°41.027'S 145°26.877'E), sand and silt, sandy bottom, 3 m, J. Just, 25 February 2005.
Ampelisca jügurru, *Cyproidea cobia*
- QLD 1652. Cobia Hole, Lizard Island, Queensland (14°39.154'S 145°26.851'E), clump of mussels and rock encrusting old cement mooring, patches of reef and sand, 17 m, J.K. Lowry, 25 February 2005.
Leucothoe epidemos
- QLD 1653. Mrs Watsons Bay, Lizard Island, Queensland (14°39.95'S 145°27.05'E), sand and rubble, patches of reef and sand, 2 m, S. LeCroy, R. King, K. Klebba & T. Krapp-Schickel, 25 February 2005.
Ampelisca jügurru, *Cymadusa cavimana*, *Globosolembos ovatus*, *Guernea yamminye*, *Maeropsis griffini*, *Mallacoota balara*, *Pumiliophotis queenslandicus*, *Tryphosella cameloides*
- QLD 1654. Cobia Hole, Lizard Island, Queensland (14°39.154'S 145°26.851'E), top layer of sand, patches of reef and sand, hand dredge, 17 m, O. Coleman, 25 February 2005.
Ampelisca jügurru, *Cerapus nudus*, *Dexaminoculus grobbeni*, *Monoculodes tropicalis*, *Narapheonoides lowryi*, *Perioculodes talboti*, *Platyischnopus mam*, *Wombalano yerang*
- QLD 1655. Ferriers Creek, Lizard Island, Queensland (14°39.95'S 145°27.05'E), algae from rocks at edge of mangroves (*Rhizophora stylosa*) in creek, by hand, 0.5 m, S. LeCroy, R. King, K. Klebba & T. Krapp-Schickel, 25 February 2005.
Grandidierella bonnieroides, *Paracorophium nana*, *Tegano atkinsae*
- QLD 1656. Ferriers Creek, Lizard Island, Queensland (14°39.95'S 145°27.05'E), rocks at edge of mangroves (*Rhizophora stylosa*) in mouth of creek, 0.5 m, S. LeCroy, R. King, K. Klebba & T. Krapp-Schickel, 25 February 2005.
Grandidierella bonnieroides
- QLD 1659. Cobia Hole, Mrs Watsons Bay, Lizard Island, Queensland (14°39.154'S 145°26.851'E), ascidians *Styela* and *Polycarpa aurata*, patches of reef and sand, 17 m, L.E. Hughes, 25 February 2005.
Leucothoe epidemos
- QLD 1660. Cobia Hole, Mrs Watsons Bay, Lizard Island, Queensland (14°39.154'S 145°26.851'E), coarse sediment, patches of reef and sand, 17 m, C. Rakocinski, 25 February 2005.

Ampelisca jügurru

QLD 1661. Cobia Hole, Mrs Watsons Bay, Lizard Island, Queensland (14°39.154'S 145°26.851'E), pieces of dead coral, patches of reef and sand, 17 m, C. Rakocinski, 25 February 2005.

Dulichella pacifica, *Photis pirloti*

QLD 1662. Cobia Hole, Mrs Watsons Bay, Lizard Island, Queensland (14°39.154'S 145°26.851'E), coarse sediment with shell and coral, patches of reef and sand, 17 m, M. Yerman, 25 February 2005.

Gibberosus udarus

QLD 1663. Cobia Hole, Mrs Watsons Bay, Lizard Island, Queensland (14°39.154'S 145°26.851'E), coarse sediment with shell and coral, patches of reef and sand, cores, 17 m, M. Yerman, 25 February 2005.

Maeropsis griffini, *Netamelita lacerta*, *Seba zeumindi*

QLD 1664. Cobia Hole, Mrs Watsons Bay, Lizard Island, Queensland (14°39.154'S 145°26.851'E), reef rock, patches of reef and sand, 17 m, P.B. Berents, 25 February 2005.

Podocerus uncinatus

QLD 1666. Cobia Hole, Mrs Watsons Bay, Lizard Island, Queensland (14°39.154'S 145°26.851'E), coarse sediment, patches of reef and sand, 17 m, J.K. Lowry, 25 February 2005.

Ampelisca dingaal, *Ampelisca jügurru*, *Bemlos australis*, *Birubius banksi*, *Cerapus nudus*, *Cyproidea cobia*, *Dexaminoculus grobbeni*, *Erichthonius pugnax*, *Monoculodes tropicalis*, *Narapheonoides lowryi*, *Paradexamine levitelson*, *Platyischnopus mam*, *Wombalano yerang*

QLD 1667. Cobia Hole, Mrs Watsons Bay, Lizard Island, Queensland (14°39.154'S 145°26.851'E), coral rubble, patches of reef and sand, 16.6 m, R.T. Springthorpe, 25 February 2005.

Maeropsis cobia

QLD 1668. Mrs Watsons Bay, Lizard Island, Queensland (14°39.95'S 145°27.05'E), rubble from patches in reef, patches of reef and sand, 3 m, S. LeCroy, R. King, K. Klebba & T. Krapp-Schickel, 25 February 2005.

Globosolembos ovatus, *Latigammaropsis dionysus*, ?*Quadrimaera quadrimana*

QLD 1669. Cobia Hole, Lizard Island, Queensland (14°39.154'S 145°26.851'E), coral rubble, patches of reef and sand, 17.2 m, P.B. Berents, 25 February 2005.

Podocerus uncinatus

QLD 1670. Mrs Watsons Bay, Lizard Island, Queensland (14°39.95'S 145°27.05'E), algae (including *Halimeda* and *Padina*) growing on rubble and rock, patches of reef and sand, 3 m, S. LeCroy, R. King, K. Klebba & T. Krapp-Schickel, 25 February 2005.

Ampithoe waialua, *Cymadusa cavimana*, *Elasmopus crenulatus*, *Mallacoota balara*, *Pareiasmopus suensis*

QLD 1672. Cobia Hole, Lizard Island, Queensland (14°39.154'S 145°26.851'E), sediment, patches of reef and sand, 17 m, 25 February 2005.

Bemlos australis, *Birubius banksi*, *Cerapus nudus*, *Cyproidea cobia*, *Dexaminoculus grobbeni*, *Monoculodes tropicalis*, *Platyischnopus mam*

QLD 1673. Cobia Hole, Lizard Island, Queensland (14°39.154'S 145°26.851'E), film of blue-green algae on sand, patches of reef and sand, 17.4 m, P.B. Berents, 25 February 2005.

Ampelisca jügurru

QLD 1675. Ferriers Creek, Lizard Island, Queensland, 14°40.05'S 145°27.13'E, detritus and dead wood at outer edge of mangroves (*Rhizophora stylosa*), mangrove creek, by hand, 0 m, C. Serejo & A. Myers, 25 February 2005.

Chroestia lota

- QLD 1676. Ferriers Creek, Lizard Island, Queensland (14°39.95'S 145°27.05'E), near entrance to mangrove creek (*Rhizophora stylosa*), kicknet (1 mm mesh), surface, C. Rakocinski & S. LeCroy, 25 February 2005.
Grandidierella bonnieroides
- QLD 1677. Ferriers Creek, Lizard Island, Queensland (14°39.95'S 145°27.05'E), wood pieces from mangrove creek (*Rhizophora stylosa*), S. LeCroy, 25 February 2005.
Chroestia lota, *Grandidierella bonnieroides*, *Paracorophium nana*, *Tegano atkinsae*
- QLD 1678. Ferriers Creek, Lizard Island, Queensland (14°39.95'S 145°27.05'E), 50 m up mangrove creek (*Rhizophora stylosa*), kicknet (1 mm mesh), 0.5 m, C. Rakocinski & S. LeCroy, 25 February 2005.
Grandidierella bonnieroides, *Kamaka silvana*
- QLD 1679. Ferriers Creek, Lizard Island, Queensland (14°39.95'S 145°27.05'E), silty algae from side of creek under boardwalk, mangrove creek (*Rhizophora stylosa*), surface, A. Myers, 25 February 2005.
Grandidierella bonnieroides
- QLD 1680. Ferriers Creek, Lizard Island, Queensland (14°39.95'S 145°27.05'E), algae from among roots at edge of red mangroves (*Rhizophora stylosa*), surface, A.A. Myers, 25 February 2005.
Bolittsia myersi, *Grandidierella bonnieroides*, *Tegano atkinsae*
- QLD 1681. 200 m north of Bird Islet, Lizard Island, Queensland (14°41.47'S 145°27.90'E), ascidian (*Atriolum robustum*), shallow reef flat, amphipod sucking unit, 2.5 m, K. Klebba, 26 February 2005.
Leucothoe epidemos
- QLD 1682. Blue Lagoon bommie, Lizard Island, Queensland (14°41.326'S 145°27.887'E), artificial substrate unit, astroturf A, sand patch at edge of bommie, 9 m, P.B. Berents & L.E. Hughes, 26 February 2005.
Dulichella pacifica
- QLD 1683. Blue Lagoon bommie, Lizard Island, Queensland (14°41.326'S 145°27.887'E), artificial substrate unit, astroturf B, sand patch at edge of bommie, 9 m, P.B. Berents & L.E. Hughes, 26 February 2005.
Leucothoe epidemos
- QLD 1684. 200 m north of Bird Islet, Lizard Island, Queensland (14°41.47'S 145°27.90'E), algal scrapings and sponges, shallow reef flat, 2.5 m, C. Serejo, 26 February 2005.
Anamixis bazimut, *Bemlos ephippium*, *Guernea ipilya*
- QLD 1685. 200 m north of Bird Islet, Lizard Island, Queensland (14°41.47'S 145°27.90'E), dead soft coral with algae & epiphytes, shallow reef flat, 2.6 m, R.T. Springthorpe, 26 February 2005.
Ampithoe katae
- QLD 1686. Blue Lagoon bommie, Lizard Island, Queensland (14°41.326'S 145°27.887'E), artificial substrate unit, astroturf C, sand patch at edge of bommie, 9 m, P.B. Berents & L.E. Hughes, 26 February 2005.
Dulichella pacifica
- QLD 1687. 200 m north of Bird Islet, Lizard Island, Queensland (14°41.47'S 145°27.9'E), mixed coralline algae & epiphytes, shallow reef flat, 2.6 m, R.T. Springthorpe, 26 February 2005.
Bemlos ephippium, *Colomastix lunalilo*, *Erichthonius pugnax*, *Erichthonius tropicalis*, *Latigammaropsis dionysus*, *Leucothoe epidemos*, *Mallacoota balara*, *Ochlesis alii*, *Quadrimaera quadrimana*
- QLD 1688. 200 m north of Bird Islet, Lizard Island, Queensland (14°41.326'S 145°27.887'E), sediment with algal cover, shallow reef flat, 2.3 m, K. Klebba, 26 February 2005.
Bemlos australis, *Paradexamine saxeta*

QLD 1689. Blue Lagoon bommie, Lizard Island, Queensland (14°41.326'S 145°27.887'E), coral rubble, sand patch at edge of bommie, 9 m, P.B. Berents, 26 February 2005.

Elasmopus crenulatus, *Liljeborgia joergpeteri*, *Mallacoota balara*, *Paradexamine levitelson*, *Quadrimaera serrata*

QLD 1691. Blue Lagoon bommie, Lizard Island, Queensland (14°41.326'S 145°27.887'E), artificial substrate unit, scourer 2, sand patch at edge of bommie, 9 m, P.B. Berents & L.E. Hughes, 26 February 2005.

Dulichella pacifica

QLD 1692. 200 m north of Bird Islet, Lizard Island, Queensland (14°41.47'S 145°27.9'E), ascidian (*Polycarpa aurata*), shallow reef flat, 2 m, K. Klebba, 26 February 2005.

Leucothoe epidemos

QLD 1693. 200 m north of Bird Islet, Lizard Island, Queensland (14°41.47'S 145°27.9'E), coral rubble, shallow reef flat, 2.3 m, K. Klebba, 26 February 2005.

Ceradocus oxyodus, *Elasmopus crenulatus*, *Latigammaropsis dionysus*, *Leucothoella gracilis*, *Mallacoota balara*, *Paradexamine levitelson*

QLD 1695. Blue Lagoon bommie, Lizard Island, Queensland (14°41.326'S 145°27.887'E), artificial substrate unit, onion bag 2, sand patch at edge of bommie, 9 m, P.B. Berents & L.E. Hughes, 26 February 2005.

Ampithoe katae

QLD 1696. Blue Lagoon bommie, Lizard Island, Queensland (14°41.326'S 145°27.887'E), artificial substrate unit, onion bag 3, sand patch at edge of bommie, 9 m, P.B. Berents & L.E. Hughes, 26 February 2005.

Ampithoe katae, *Dulichella pacifica*

QLD 1697. 200 m north of Bird Islet, Lizard Island, Queensland (14°41.47'S 145°27.9'E), seagrass and sand, shallow reef flat, 2 m, C. Serejo, 26 February 2005.

Ampelisca jigurru, *Erichthonius pugnax*, *Leucothoe pollexa*, *Linguimaera pirloti*, *Maeropsis cobia*

QLD 1698. 200 m north of Bird Islet, Lizard Island, Queensland (14°41.47'S 145°27.9'E), rubble from sand patches, shallow reef flat, 2.3 m, R.T. Springthorpe, 26 February 2005.

Elasmopus crenulatus, *Mallacoota capricornia*, *Pareiasmopus suensis*

QLD 1699. Blue Lagoon bommie, Lizard Island, Queensland (14°41.326'S 145°27.887'E), artificial substrate unit, poofie 2, sand patch at edge of bommie, 9 m, P.B. Berents & L.E. Hughes, 26 February 2005.

Ampithoe katae

QLD 1700. 200 m north of Bird Islet, Lizard Island, Queensland (14°41.47'S 145°27.9'E), rubble, shallow reef flat, 2.3 m, R.T. Springthorpe, 26 February 2005.

Ampithoe katae, *Dulzura taylorae*, *Metaphoxus varanus*

QLD 1703. Blue Lagoon bommie, Lizard Island, Queensland (14°41.326'S 145°27.887'E), artificial substrate unit, rope fiber 3, sand patch at edge of bommie, 9 m, P.B. Berents & L.E. Hughes, 26 February 2005.

Ampithoe katae

QLD 1704. Picnic Beach, Palfrey Island, Lizard Island, Queensland (14°41.69'S 145°26.89'E), red alga *Galaxaura subfruticulosa*, reef flat, 1 m, R. King, 27 February 2005.

Ampithoe katae, *Cymadusa alyxis*, *Cymadusa hoeyae*, *Lelehua myersi*, *Mallacoota capricornia*,

QLD 1705. Picnic Beach, Palfrey Island, Lizard Island, Queensland (14°41.69'S 145°26.89'E), brown alga *Padina* sp, reef flat, 2 m, T. Krapp-Schickel, 27 February 2005.

Cymadusa alyxis, *Elasmopus crenulatus*

QLD 1706. 500 m north-east of North Point, Lizard Island, Queensland (14°38.700'S 145°27.213'E), silty coarse sediment with forams from soft bottom, core, 23 m, M. Yerman, 27 February 2005.

Ceradocus oxyodus, *Guerneia ipilya*

QLD 1707. 500 m north-east of North Point, Lizard Island, Queensland (14°38.700'S 145°27.213'E), *Halimeda* sp. (green alga) with epiphytes from, soft bottom, 23.9 m, R.T. Springthorpe, 27 February 2005.

Bamarooka tropicalis, *Bemlos clypeatus*, *Colomastix lunalilo*, *Dulichchiella pacifica*, *Globosolembos springthorpei*, *Limnoporeia cooki*, *Maxillipius rectitelson*, *Metaphoxus varanus*, *Paradexamine levitelson*, *Parelasmpopus suensis*

QLD 1708. Picnic Beach, Palfrey Island, Lizard Island, Queensland (14°41.69'S 145°26.89'E), algal mat and fine sediment from rubble bottom, reef flat, 3 m, S. LeCroy, 27 February 2005.

Cymadusa hoeyae, *Lelehua myersi*, *Leucothoe serrata*, *Leucothoe sparsa*, *Leucothoella gracilis*, *Mallacoota capricornia*

QLD 1709. Mermaid Cove, Lizard Island, Queensland (14°38.84'S 145°27.24'E), rubble, bommies and sand patches, 4 m, K. Klebba, L.E. Hughes & C. Rakocinski, 27 February 2005.

Ceradocus yandala, *Elasmopus crenulatus*, *Leucothoe thula*, *Shoemakerella barnardi*

QLD 1710. 500 m north-east of North Point, Lizard Island, Queensland (14°38.700'S 145°27.213'E), sponges, asteroid, solitary corals, hydroids, *Halimeda* sp. from soft bottom, 23 m, C. Serejo, 27 February 2005.

Bamarooka tropicalis, *Dulichchiella pacifica*, *Leucothoe thula*, *Paradexamine massa*, *Parelasmpopus suensis*

QLD 1711. Mermaid Cove, Lizard Island, Queensland (14°38.84'S 145°27.24'E), dead coral and algal tufts, bommies and sand patches, 4 m, K. Klebba, L.E. Hughes & C. Rakocinski, 27 February 2005.

Elasmopus crenulatus, *Quadrimaera quadrimana*

QLD 1713. 500 m north-east of North Point, Lizard Island, Queensland (14°38.700'S 145°27.213'E), tunicate, soft bottom with foraminiferans, crinoids, *Halimeda macroloba*, *Halimeda cylindracea*, *Caulerpa taxifolia*, *Gracilaria* sp., *Lobophora* sp. and sediment, 23 m, K. Klebba, L.E. Hughes & C. Rakocinski, 27 February 2005.

Leucothoe epidemos

QLD 1714. Picnic Beach, Palfrey Island, Lizard Island, Queensland (14°41.69'S 145°26.89'E), sand and detritus, reef flat, 2 m, J. Just, 27 February 2005.

Guerneia ipilya, *Perioculodes talboti*

QLD 1715. Mermaid Cove, Lizard Island, Queensland (14°38.84'S 145°27.24'E), dead coral head, bommies and sand patches, airlift, 2.8 m, K. Klebba, L.E. Hughes & C. Rakocinski, 27 February 2005.

Elasmopus crenulatus, *Quadrimaera quadrimana*

QLD 1716. Picnic Beach, Palfrey Island, Lizard Island, Queensland (14°41.69'S 145°26.89'E), green alga *Codium* sp., reef flat, 2 m, T. Krapp-Schickel, 27 February 2005.

Cymadusa alyxis, *Elasmopus crenulatus*, *Erichthonius pugnax*, *Guerneia ipilya*, *Lelehua myersi*, *Leucothoella gracilis*, *Mallacoota capricornia*

QLD 1717. 500 m north-east of North Point, Lizard Island, Queensland (14°38.700'S 145°27.213'E), coarse sediment with forams and *Heteropsammia* from soft bottom, 23.9 m, P.B. Berents, 27 February 2005.

Ampelisca jigurru, *Parelasmpopus suensis*

QLD 1718. 500 m north-east of North Point, Lizard Island, Queensland (14°38.700'S 145°27.213'E), mixed algae (*Halimeda macroloba*, *Halimeda cylindracea*, *Caulerpa taxifolia*, *Gracilaria* sp., *Lobophora* sp.) and sediment from soft bottom, 22 m, A. Hoggett & L. Vail, 27 February 2005.

Dulichchiella pacifica, *Maeropsis griffini*, *Metaphoxus varanus*, *Paradexamine massa*, *Parelasmpopus suensis*, *Waldeckia enoei*

- QLD 1720. Granite Bluff, Lizard Island, Queensland (14°38.79'S 145°27.74'E), algae on rock surface, reef in shallow gutters, 5.4 m, L.E. Hughes, 28 February 2005.
Cymadusa cavimana
- QLD 1722. Picnic Beach, Palfrey Island, Lizard Island, Queensland (14°41.69'S 145°26.89'E), under wrack on tide line, sandy beach, pooter, intertidal, L. Atkins, R. King, S. LeCroy, T. Krapp-Schickel & A. Myers, 27 February 2005.
Talorchestia terraereginae
- QLD 1723. Research Point, Lizard Island, Queensland (14°41.034'S 145°26.83'E), sand & shallow reef, 2 m, J. Just, 28 February 2005.
Leucothoe epidemos
- QLD 1724. Bommie 300 m off Picnic Beach, Palfrey Island, Lizard Island, Queensland (14°41.907'S 145°26.872'E), silty coarse sediment with rubble, patches of sand and reef at bottom of bommie, 4 m, M. Yerman, 28 February 2005.
Maeropsis griffini
- QLD 1725. Bommie 300 m off Picnic Beach, Palfrey Island, Lizard Island, Queensland (14°41.907'S 145°26.872'E), silty coarse sediment with rubble from patches of sand and reef at bottom of bommie, core sample, 4 m, M. Yerman, 28 February 2005.
Maeropsis griffin, *Metaphoxus varanus*
- QLD 1727. Granite Bluff, Lizard Island, Queensland (14°38.79'S 145°27.74'E), coral rubble from shallow gutters in reef, 15 m, K. Klebba, 28 February 2005.
Maeropsis griffini
- QLD 1728. North Point, Lizard Island, Queensland (14°38.76'S 145°27.31'E), coral rubble from granite rock face with some corals and turf algae, 16 m, C. Rakocinski, 28 February 2005.
Latigammaropsis athenae, *Linguimaera pirloti*
- QLD 1729. North Point, Lizard Island, Queensland (14°38.76'S 145°27.31'E), fine sand from granite rock face with some corals and turf algae, 16.2 m, O. Coleman, 28 February 2005.
Ampelisca jüigurru
- QLD 1730. Mermaid Cove, Lizard Island, Queensland (14°38.91'S 145°27.26'E), encrusting algae and rubble from sand with rubble bottom, 2 m, T. Krapp-Schickel, 28 February 2005.
Ampithoe katae, *Cymadusa cavimana*, *Cymadusa hoeyae*, *Cymadusa khbarnardi*, *Elasmopus crenulatus*, *Globosolembos ovatus*, *Globosolembos varanus*, *Latigammaropsis athenae*, *Lelehua myersi*, *Leucothoe epidemos*, *Maeropsis cobia*, *Pseudambasia acuticaudata*, *Tethygeneia* aff. *pacifica*
- QLD 1731. Bommie 300 m off Picnic Beach, Palfrey Island, Lizard Island, Queensland (14°41.907'S 145°26.872'E), coralline red algae from patches of sand and reef at bottom of bommie, 3 m, I. Takeuchi, 28 February 2005.
Bemlos clypeatus
- QLD 1732. Mermaid Cove, Lizard Island, Queensland (14°38.91'S 145°27.26'E), mixed brown algae from sand with rubble bottom, 3.5 m, T. Krapp-Schickel, 28 February 2005.
Ampithoe katae, *Ceradocus oxyodus*, *Cymadusa khbarnardi*, *Guernea ipilya*, *Mallacoota capricornia*, *Paradexamine aequiserrata*, *Paradexamine levitelson*, *Paradexamine saxeta*, *Pseudambasia acuticaudata*
- QLD 1733. Mermaid Cove, Lizard Island, Queensland (14°38.91'S 145°27.26'E), algae (*Galaxaura subfruticulosa* & *Enteromorpha* sp) on coral rubble from sand with rubble bottom, 2 m, R. King, 28 February 2005.
Leucothoe epidemos, *Mallacoota balara*, *Paradexamine saxeta*, *Pseudambasia acuticaudata*
- QLD 1735. Granite Bluff, Lizard Island, Queensland (14°38.79'S 145°27.74'E), rubble, reef in shallow gutters, 10.3 m, L.E. Hughes, 28 February 2005.

Maeropsis griffini

QLD 1736. Bommie 300 m off Picnic Beach, Palfrey Island, Lizard Island, Queensland (14°41.907'S 145°26.872'E), coralline algae from patches of sand and reef at bottom of bommie, 4 m, I. Takeuchi, 28 February 2005.

Ampithoe katae, *Mallacoota balara*, *Paradexamine levitelson*, *Quadrimaera serrata*

QLD 1737. Granite Bluff, Lizard Island, Queensland (14°38.79'S 145°27.74'E), sediment & rubble, reef in shallow gutters, 10 m, C. Serejo, 28 February 2005.

Ampelisca jügurru, *Maeropsis griffini*

QLD 1742. North Point, Lizard Island, Queensland (14°38.76'S 145°27.31'E), sand, granite rock face with some corals and turf algae, 11.5 m, O. Coleman, 28 February 2005.

Dexaminoculus grobbeni, *Guernea ipilya*, *Perioculodes talboti*

QLD 1743. North Point, Lizard Island, Queensland (14°38.76'S 145°27.31'E), rubble and sediment from depressions on rock face, granite rock face with some corals and turf algae, 7.6 m, R.T. Springthorpe, 28 February 2005.

Leucothoella gracilis

QLD 1744. Bommie 300 m off Picnic Beach, Palfrey Island, Lizard Island, Queensland (14°41.907'S 145°26.872'E), rubble with turf of tufted red algae, patches of sand and reef at bottom of bommie, 5.7 m, P.B. Berents, 28 February 2005.

Metaphoxus varanus

QLD 1747. Bommie 300 m off Picnic Beach, Palfrey Island, Lizard Island, Queensland (14°41.907'S 145°26.872'E), *Acropora* coral rubble, patches of sand and reef at bottom of bommie, 4 m, I. Takeuchi, 28 February 2005.

Globosolembos excavatus

QLD 1748. North Point, Lizard Island, Queensland (14°38.76'S 145°27.31'E), rubble, granite rock face with some corals and turf algae, 9.5 m, O. Coleman, 28 February 2005.

Globosolembos ovatus, *Maeropsis griffini*

QLD 1749. North Point, Lizard Island, Queensland (14°38.76'S 145°27.31'E), sediment, granite rock face with some corals and turf algae, 15.7 m, R.T. Springthorpe, 28 February 2005.

Ampelisca jügurru

QLD 1750. North Point, Lizard Island, Queensland (14°38.76'S 145°27.31'E), coral rubble, granite rock face with some corals and turf algae, 9.9 m, R.T. Springthorpe, 28 February 2005.

Dulichella pacifica

QLD 1751. North side of Mrs Watsons Bay, Lizard Island, Queensland (14°39.747'S 145°27.154'E), mixed red and brown algae, reef flat, 2 m, J. Just, 1 March 2005.

Cymadusa cavimana, *Globosolembos ovatus*, *Guernea ipilya*, *Leucothoe epidemos*, *Pseudambasia acuticaudata*

QLD 1755. Horseshoe Reef, Lizard Island, Queensland (14°41.21'S 145°26.49'E), sponge (*Spirastrella vagabunda*), large coral bommies surrounded by sand and rubble, 8 m, K. Klebba & L.E. Hughes, 2 March 2005.

Leucothoe makrommatos, *Leucothoe serrata*

QLD 1756. Second Beach, Lizard Island, Queensland (14°40.19'S 145°26.57'E), sand, patches of reef and sand, 2 m, J. Just, 2 March 2005.

Ampelisca jügurru, *Guernea yamminye*

QLD 1757. Casuarina Beach, Lizard Island, Queensland (14°40.38'S 145°26.69'E), green alga, sandy bottom with rubble, algae and sparse seagrass, 2 m, R. King, 2 March 2005.

Ampithoe katae, *Cymadusa alyxis*, *Cymadusa cavimana*, *Cymadusa hoeyae*, *Leucothoe epidemos*

QLD 1758. Horseshoe Reef, Lizard Island, Queensland (14°41.21'S 145°26.49'E), rubble pieces on sand, large coral bommies surrounded by sand and rubble, 10.2 m, O. Coleman, 2 March 2005.

Guernea yamminye

QLD 1760. Horseshoe Reef, Lizard Island, Queensland (14°41.21'S 145°26.49'E), sponge, large coral bommies surrounded by sand and rubble, 9 m, C. Serejo, 2 March 2005.

Colomastix plumulosa, *Dulichella pacifica*, *Leucothoe epidemos*, *Leucothoe laevipalma*, *Leucothoe makrommatos*, *Seba gruneri*

QLD 1761. Horseshoe Reef, Lizard Island, Queensland (14°41.21'S 145°26.49'E), sediment between clumps of rubble, large coral bommies surrounded by sand and rubble, 11 m, R.T. Springthorpe, 2 March 2005.

Ampelisca jüigurrü, *Guernea ipilya*, *Guernea yamminye*, *Metaphoxus varanus*, *Paradexamine levitelson*

QLD 1762. Ghost Beach, South Island, Lizard Island, Queensland (14°42.080'S 145°27.066'E), broken pieces of *Acropora* fouled with sediment and algae, sandy bottom in mounds with patches of *Acropora*, 4 m, C. Rakocinski, 2 March 2005.

Ampithoe katae

QLD 1763. Casuarina Beach, Lizard Island, Queensland (14°40.38'S 145°26.69'E), brown alga *Padina* sp., sandy bottom with rubble, algae and sparse seagrass, 1 m, T. Krapp-Schickel, 2 March 2005.

Erichthonius pugnax, *Globosolembos ovatus*, *Maeropsis cobia*, *Monoculodes tropicalis*, *Pseudambasia acuticaudata*

QLD 1765. Horseshoe Reef, Lizard Island, Queensland (14°41.21'S 145°26.49'E), coral rubble with sponge attached, large coral bommies surrounded by sand and rubble, 10 m, K. Klebba, 2 March 2005.

Ceradocus yandala, *Maeropsis cobia*

QLD 1766. Horseshoe Reef, Lizard Island, Queensland (14°41.21'S 145°26.49'E), rubble, large coral bommies surrounded by sand and rubble, 7.5 m, O. Coleman, 2 March 2005.

Paradexamine levitelson

QLD 1767. Horseshoe Reef, Lizard Island, Queensland (14°41.21'S 145°26.49'E), clump of fibrous brown algae, large coral bommies surrounded by sand and rubble, 6 m, L.E. Hughes, 2 March 2005.

Quadrimaera quadrimana, *Leucothoe adelphe*

QLD 1768. Horseshoe Reef, Lizard Island, Queensland (14°41.21'S 145°26.49'E), coral rubble, large coral bommies surrounded by sand and rubble, 11 m, C. Serejo, 2 March 2005.

Iphimedia schminkei, *Latigammaropsis athenae*, *Leucothoe hipposideros*, *Maeropsis griffini*, *Paradexamine levitelson*

QLD 1769. Casuarina Beach, Lizard Island, Queensland (14°40.38'S 145°26.69'E), mixed *Halophila* and *Syringodium* (seagrass), sandy bottom with rubble, algae and sparse seagrass, kicknet (1 mm mesh), 1 m, S. LeCroy, 2 March 2005.

Cymadusa alyxis

QLD 1770. Casuarina Beach, Lizard Island, Queensland (14°40.38'S 145°26.69'E), 11 tunicates from rock & rubble, sandy bottom with rubble, algae and sparse seagrass, 2 m, S. LeCroy, 2 March 2005.

Ampithoe waialua, *Cymadusa hoeyae*, *Elasmopus crenulatus*, *Leucothoe epidemos*, *Quadrimaera quadrimana*, *Shoemakerella barnardi*

QLD 1771. Casuarina Beach, Lizard Island, Queensland (14°40.38'S 145°26.69'E), fine sediment in grass beds, sandy bottom with rubble, algae and sparse seagrass, 1 m, S. LeCroy, 2 March 2005.

Ampelisca jüigurrü, *Birubius casuarina*, *Erichthonius pugnax*, *Guernea yamminye*, *Paradexamine saxeta*, *Podocerus casuarinensis*

- QLD 1772. Horseshoe Reef, Lizard Island, Queensland (14°41.21'S 145°26.49'E), sediment at base of small bommie, large coral bommies surrounded by sand and rubble, 10.8 m, R.T. Springthorpe, 2 March 2005.
Ampelisca jügurru, *Guernea yamminye*
- QLD 1773. Ghost Beach, South Island, Lizard Island, Queensland (14°42.080'S 145°27.066'E), *Halimeda* sp. (green alga) clumps in silty sediment from sandy bottom in mounds with patches of *Acropora*, 5.9 m, P.B. Berents, 2 March 2005.
Bemlos clypeatus, *Mallacoota balara*, *Parhyale hawaiiensis*
- QLD 1774. Horseshoe Reef, Lizard Island, Queensland (14°41.21'S 145°26.49'E), sand, large coral bommies surrounded by sand and rubble, 10.7 m, O. Coleman, 2 March 2005.
Ampelisca jügurru
- QLD 1775. Horseshoe Reef, Lizard Island, Queensland (14°41.21'S 145°26.49'E), sponge on dead coral, large coral bommies surrounded by sand and rubble, 6.5 m, O. Coleman, 2 March 2005.
Leucothoe serrata, *Leucothoella gracilis*
- QLD 1776. Ghost Beach, South Island, Lizard Island, Queensland (14°42.080'S 145°27.066'E), fine to coarse sediment with shell, coral and foraminiferans, sandy bottom in mounds with patches of *Acropora*, 3 m, M. Yerman, 2 March 2005.
Birubius banksi
- QLD 1777. Ghost Beach, South Island, Lizard Island, Queensland (14°42.080'S 145°27.066'E), fine to coarse sediment with shell, coral and foraminiferans, sandy bottom in mounds with patches of *Acropora*, core sample, 3 m, M. Yerman, 2 March 2005.
Maeropsis cobia, *Maeropsis griffini*
- QLD 1778. Second Beach, Lizard Island, Queensland (14°40.190'S 145°26.57'E), sand, patches of reef and sand, 2 m, J. Just, 3 March 2005.
Ampelisca jügurru, *Bemlos australis*, *Birubius banksi*, *Paradexamine saxeta*
- QLD 1779. North Point, Lizard Island, Queensland (14°38.760'S 145°27.31'E), coral rubble and sediment, granite rock face with some corals and turf algae, airlift, 8.9 m, R.T. Springthorpe, 3 March 2005.
Guernea yamminye, *Paradexamine levitelson*
- QLD 1780. North Point, Lizard Island, Queensland (14°38.760'S 145°27.31'E), hydroids, granite rock face with some corals and turf algae, 6 m, I. Takeuchi, 3 March 2005.
Wallametopa cabon
- QLD 1781. North Point, Lizard Island, Queensland (14°38.760'S 145°27.31'E), sponge, granite rock face with some corals and turf algae, 7.7 m, O. Coleman, 3 March 2005.
Latigammaropsis hermes, *Mallacoota balara*
- QLD 1782. North Point, Lizard Island, Queensland (14°38.760'S 145°27.31'E), hydroids, granite rock face with some corals and turf algae, 11 m, I. Takeuchi, 3 March 2005.
Wallametopa cabon
- QLD 1783. North Point, Lizard Island, Queensland (14°38.760'S 145°27.31'E), rubble, granite rock face with some corals and turf algae, 7.5 m, O. Coleman, 3 March 2005.
Latigammaropsis dionysus,
- QLD 1784. Mermaid Cove, Lizard Island, Queensland (14°38.91'S 145°27.26'E), leaf litter, crab holes at back of beach, C. Serejo, 3 March 2005.
Chelorchestia limicola

- QLD 1785. Mermaid Cove, Lizard Island, Queensland (14°38.91'S 145°27.26'E), mangrove roots, mangroves behind beach, intertidal, C. Serejo, 3 March 2005.
Chelorchestia limicola
- QLD 1786. North Point, Lizard Island, Queensland (14°38.760'S 145°27.31'E), sponge, granite rock face with some corals and turf algae, 6 m, O. Coleman, 3 March 2005.
Colomastix plumulosa
- QLD 1787. Mermaid Cove, Lizard Island, Queensland (14°38.91'S 145°27.26'E), algae, 1 m, T. Krapp-Schickel, 3 March 2005.
Ampithoe katae, *Cymadusa khbarnardi*, *Mallacoota balara*
- QLD 1788. Three Sisters Bommie, Yonge Reef, Queensland (14°36.104'S 145°37.126'E), sponge (*Spirastrella vagabunda*), back reef bommie, 12 m, K. Klebba, 3 March 2005.
Leucothoe epidemos
- QLD 1789. Three Sisters Bommie, Yonge Reef, Queensland (14°36.104'S 145°37.126'E), tunicates, back reef bommie, 12 m, K. Klebba, 3 March 2005.
Elasmopus hooheno, *Globosolembos ovatus*, *Leucothoe epidemos*, *Leucothoe makrommatos*
- QLD 1791. South end of Yonge Reef, Queensland (14°36.954'S 145°37.184'E), mixed algae (*Halimeda*, red & green epiphytic), back reef, 4 m, K. Klebba, 3 March 2005.
Ericthonius tropicalis, *Guernea ipilya*, *Leucothoe epidemos*, *Maeropsis cobia*
- QLD 1792. Three Sisters Bommie, Yonge Reef, Queensland (14°36.104'S 145°37.126'E), coral rubble, back reef bommie, 17 m, C. Rakocinski, 3 March 2005.
Colomastix plumulosa, *Globosolembos ovatus*, *Leucothoe adelphe*, *Pseudambasia acuticaudata*, *Quadrimaera quadrimana*
- QLD 1793. South end of Yonge Reef, Queensland (14°36.954'S 145°37.184'E), sediment with red algae, back reef, 10 m, K. Klebba, 3 March 2005.
Dulzura taylorae
- QLD 1794. Three Sisters Bommie, Yonge Reef, Queensland (14°36.104'S 145°37.126'E), *Halimeda* clumps, back reef bommie, 10 m, L.E. Hughes, 3 March 2005.
Bemlos mollis
- QLD 1795. South end of Yonge Reef, Queensland (14°36.954'S 145°37.184'E), sediment (sand with sparse green algal film), back reef, 12 m, C. Rakocinski, 3 March 2005.
Birubius banksi
- QLD 1797. South end of Yonge Reef, (14°36.954'S 145°37.184'E), coralline algae, back reef, 4.1 m, L.E. Hughes, 3 March 2005.
Mallacoota balara
- QLD 1798. South end of Yonge Reef, Queensland (14°36.954'S 145°37.184'E), filamentous red algae on dead coral, back reef, 10 m, C. Rakocinski, 3 March 2005.
Leucothoe epidemos
- QLD 1799. South end of Yonge Reef, Queensland (14°36.954'S 145°37.184'E), filamentous red algae, back reef, 7 m, L.E. Hughes, 3 March 2005.
Ampithoe katae, *Cymadusa khbarnardi*, *Cymadusa smilodonta*

QLD 1800. South end of Yonge Reef, Queensland (14°36.954'S 145°37.184'E), rubble, back reef, 3 m, K. Klebba, 3 March 2005.

Dulichella pacifica, *Pseudambasia acuticaudata*

QLD 1801. Three Sisters Bommie, Yonge Reef, Queensland (14°36.104'S 145°37.126'E), green filamentous algae on dead coral pieces, back reef bommie, 6 m, C. Rakocinski, 3 March 2005.

Ampithoe katae, *Guerneia ipilya*, *Mallacoota capricornia*

QLD 1803. Three Sisters Bommie, Yonge Reef, Queensland (14°36.104'S 145°37.126'E), rubble, back reef bommie, 15 m, L.E. Hughes, 3 March 2005.

Dulichella pacifica, *Globosolembos ovatus*, *Leucothoe epidemos*, *Pseudambasia acuticaudata*

QLD 1804. Blue Lagoon bommie, Lizard Island, Queensland (14°41.24'S 145°27.93'E), sponge, 8 m, K. Klebba, 4 March 2005.

Colomastix dentipalma, *Latigammaropsis hermes*

QLD 1805. Third Beach, Lizard Island, Queensland (14°40.20'S 145°26.548'E), water column, small bay in lee of wind, night lights and hand nets, 2 m, J. Lowry, A. Myers and L.E. Hughes, 4 March 2005.

Birubius banksi, *Dexaminoculus grobbeni*, *Guerneia ipilya*, *Guerneia yamminye*, *Metaphoxus varanus*, *Paradexamine aequiserrata*, *Paradexamine exilis*

QLD 1806. Back Reef, Yonge Reef, Queensland (14°36.761'S 145°37.362'E), coralline algae, bommie on back reef surrounded by sand, 2 m, R.T. Springthorpe, 4 March 2005.

Gammaropsella saepta, *Pseudambasia acuticaudata*, *Stenothoe miersi*

QLD 1808. Half Mile Opening, Yonge Reef, Queensland (14°34.556'S 145°36.726'E), *Halimeda* sp. (green coralline algae), channel between outer barrier reefs, 16 m, P.B. Berents, 4 March 2005.

Chevalia tenuis, *Iphimedia schminkei*, *Leucothoe epidemos*, *Maeropsis cobia*, *Photis aina*, *Tropischyrocerus pugilus*

QLD 1809. Back Reef, Yonge Reef, Queensland (14°36.761'S 145°37.362'E), rubble and sediment, bommie on back reef surrounded by sand, airlift, 14.9 m, R.T. Springthorpe, 4 March 2005.

Maeropsis griffin, *Metaphoxus varanus*

QLD 1810. Half Mile Opening, Yonge Reef, Queensland (14°34.556'S 145°36.726'E) (green algae) *Caulerpa* sp, channel between outer barrier reefs, 9 m, C. Serejo, 4 March 2005.

Tropischyrocerus pugilus

QLD 1814. Half Mile Opening, Yonge Reef, Queensland (14°34.556'S 145°36.726'E), Foraminifera and biogenic sediment, channel between outer barrier reefs, 15.5 m, P.B. Berents, 4 March 2005.

Guerneia yamminye

QLD 1815. Half Mile Opening, Yonge Reef, Queensland (14°34.556'S 145°36.726'E), rubble, channel between outer barrier reefs, 6 m, C. Serejo, 4 March 2005.

Leucothoella gracilis, *Pseudambasia acuticaudata*

QLD 1816. Half Mile Opening, Yonge Reef, Queensland (14°34.556'S 145°36.726'E), *Spirastrella vagabunda* (sponge), channel between outer barrier reefs, 8 m, C. Serejo, 4 March 2005.

Leucothoe epidemos

QLD 1819. Half Mile Opening, Yonge Reef, Queensland (14°34.556'S 145°36.726'E), *Halimeda* and other algae, channel between outer barrier reefs, 10 m, C. Serejo, 4 March 2005.

Coxischyrocerus rhombocoxus, *Leucothoe epidemos*, *Stenothoe miersi*, *Tepidopleustes acromatius*, *Virgammaropsis artemis*, *Wandin griffini*

- QLD 1820. Half Mile Opening, Yonge Reef, Queensland (14°34.556'S 145°36.726'E), sponges, channel between outer barrier reefs, 10 m, C. Serejo, 4 March 2005.
Leucothoe epidemos, *Leucothoe makrommatos*, *Leucothoe serrata*, *Pereionotus thomsoni*, *Stenothoe miersi*, *Wandin griffini*
- QLD 1821. Back Reef, Yonge Reef, Queensland (14°36.761'S 145°37.362'E), rubble pieces and fine sand, bommie on back reef surrounded by sand, airlift, 13.5 m, R.T. Springthorpe, 4 March 2005.
Guerneia ipilya
- QLD 1822. Half Mile Opening, Yonge Reef, Queensland (14°34.333'S 145°36.866'E), *Spirastrella vagabunda* (sponge), channel between outer barrier reefs, amphipod sucking unit, 13 m, K. Klebba, 5 March 2005.
Leucothoe serrata
- QLD 1823. Half Mile Opening, Yonge Reef, Queensland (14°34.333'S 145°36.866'E), *Halimeda opuntia* (green coralline algae), channel between outer barrier reefs, 10 m, I. Takeuchi, R.T. Springthorpe & O. Coleman, 5 March 2005.
Anamixis bazimut, *Chevalia tenuis*, *Dulichella pacifica*, *Erichthonius pugnax*, *Erichthonius* sp., *Erichthonius tropicalis*, *Gammaropsella saepta*, *Iphimedia schminkei*, *Latigammaropsis dionysus*, *Latigammaropsis hermes*, *Leucothoe epidemos*, *Ochlesis alii*, *Pareiasmopus suensis*, *Stenothoe miersi*, *Tepidopleustes acromatius*, *Wandin griffini*
- QLD 1824. Coconut Beach, Lizard Island, Queensland (14°41.048'S 145°28.288'E), artificial substrate unit, onion bag 1, patches of reef and sand, 9 m, L.E. Hughes, 5 March 2005.
Ampithoe katae
- QLD 1825. Back Reef, Yonge Reef, Queensland (14°36.761'S 145°37.362'E), black sponge (like *Gelliodes* sp.), bommie on back reef surrounded by sand, 8.5 m, R.T. Springthorpe, 4 March 2005.
Leucothoella gracilis
- QLD 1827. Half Mile Opening, Yonge Reef, Queensland (14°34.333'S 145°36.866'E), *Halimeda opuntia* (green coralline algae) & red algae, channel between outer barrier reefs, 13 m, K. Klebba, 5 March 2005.
Bemlos gladius, *Erichthonius tropicalis*, *Pareiasmopus suensis*
- QLD 1828. Coconut Beach, Lizard Island, Queensland (14°41.048'S 145°28.288'E), artificial substrate unit, onion bag 2, patches of reef and sand, 9 m, L.E. Hughes, 5 March 2005.
Pareiasmopus suensis
- QLD 1829. Half Mile Opening, Yonge Reef, Queensland (14°34.333'S 145°36.866'E), *Halimeda opuntia* (green coralline algae), channel between outer barrier reefs, 9 m, O. Coleman, 5 March 2005.
Bemlos gladius, *Erichthonius tropicalis*, *Gammaropsella saepta*, *Graciliphotis ruthae*, *Latigammaropsis dionysus*, *Leucothoe epidemos*, *Pareiasmopus suensis*, *Photis aina*, *Tropischyrocerus pugilus*
- QLD 1830. Coconut Beach, Lizard Island, Queensland (14°41.048'S 145°28.288'E), artificial substrate unit, onion bag 3, patches of reef and sand, 9 m, L.E. Hughes, 5 March 2005.
Ampithoe katae
- QLD 1831. Coconut Beach, Lizard Island, Queensland (14°41.048'S 145°28.288'E), artificial substrate unit, poofie 1, patches of reef and sand, 9 m, L.E. Hughes, 5 March 2005.
Ampithoe katae
- QLD 1833. Coconut Beach, Lizard Island, Queensland (14°41.048'S 145°28.288'E), artificial substrate unit, poofie 3, patches of reef and sand, 9 m, L.E. Hughes, 5 March 2005.
Ampithoe katae, *Erichthonius tropicalis*, *Pareiasmopus cymatilis*, *Pareiasmopus suensis*
- QLD 1834. Coconut Beach, Lizard Island, Queensland (14°41.048'S 145°28.288'E), artificial substrate unit, rope fibre 1, patches of reef and sand, 9 m, L.E. Hughes, 5 March 2005.

Ampithoe katae

QLD 1835. Coconut Beach, Lizard Island, Queensland (14°41.048'S 145°28.288'E), artificial substrate unit, rope fibre 1, patches of reef and sand, 9 m, L.E. Hughes, 5 March 2005.

Ampithoe katae

QLD 1836. Half Mile Opening, Yonge Reef, Queensland (14°34.333'S 145°36.866'E), sand in cave, channel between outer barrier reefs, O. Coleman, 5 March 2005.

Limnoporeia cooki

QLD 1837. Coconut Beach, Lizard Island, Queensland (14°41.048'S 145°28.288'E), artificial substrate unit, rope fibre 3, patches of reef and sand, 9 m, L.E. Hughes, 5 March 2005.

Ampithoe katae

QLD 1838. Three Sisters Bommie, Yonge Reef, Queensland (14°36.104'S 145°37.126'E), medium to coarse sediment with coral and shell, back reef bommie, 16 m, M. Yerman, 3 March 2005.

Dulichella pacifica, *Leucothoella gracilis*

QLD 1839. Three Sisters Bommie, Yonge Reef, Queensland (14°36.104'S 145°37.126'E), medium to coarse sediment with coral and shell, back reef bommie, core sample, 16 m, M. Yerman, 3 March 2005.

Maeropsis griffini

QLD 1842. Coconut Beach, Lizard Island, Queensland (14°41.048'S 145°28.288'E), artificial substrate unit, scourer 3, patches of reef and sand, 9 m, L.E. Hughes, 5 March 2005.

Anamixis bazimut

QLD 1843. Research Beach, Lizard Island, Queensland (14°40.856'S 145°26.788'E), 20 cm below surface of sand, sandy beach, surface, J. Just, 6 March 2005.

Xystriogidiella juliani

QLD 1846. Number one reef, Katai Nab, North of Horn Island, Torres Strait, Queensland (10°32.502'S 142°10.259'E), submerged rope fibre caught on reef, encrusted with red epiphytic algae on tips, 6 m, J.K. Lowry, 28 September 2006.

Elasmopus alalo, *Mallacoota capricornia*, *Mallacoota chandaniae*

QLD 1849. Number one reef, Katai Nab, North of Horn Island, Torres Strait, Queensland (10°32.502'S 142°10.259'E), coarse coral rubble, 5.6 m, L.E. Hughes, 28 September 2006.

Elasmopus alalo

QLD 1850. Number one reef, Katai Nab, North of Horn Island, Torres Strait, Queensland (10°32.502'S 142°10.259'E), coarse coral rubble, 5.6 m, L.E. Hughes, 28 September 2006.

Elasmopus alalo

QLD 1851. Number one reef, Katai Nab, North of Horn Island, Torres Strait, Queensland (10°32.502'S 142°10.259'E), large brick covered in fine sediment, epiphytes *Padina* sp., low turfing algae, 8 m, J.K. Lowry & L.E. Hughes, 28 September 2006.

Ampithoe meganae, *Elasmopus alalo*, *Mallacoota capricornia*

QLD 1852. Reef between Hammond Island and Goodes Island,, Torres Strait, Queensland (10°33.722'S 142°10.462'E), coarse coral rubble, 7.9 m, M. Capa, 28 September 2006.

Bamarooka tropicalis

QLD 1854. Number one reef, Katai Nab, North of Horn Island, Torres Strait, Queensland (10°32.502'S 142°10.259'E), coral, small sponges very fine sediment, 6 m, J.K. Lowry, 28 September 2006.

Elasmopus alalo

- QLD 1856. Reef between Hammond Island and Goodes Island, Torres Strait, Queensland (10°33.722'S 142°10.462'E), branching red algae, *Dictyota* sp., 9 m, M. Capa & L.E. Hughes, 28 September 2006.
Cymadusa cavimana
- QLD 1860. Sunken reef, north of Goodes Island, Torres Strait, Queensland (10°31.489'S 142°3.316'E), short complex red algae, 12 m, M. Capa & J.K. Lowry, 29 September 2006.
Ampithoe meganae
- QLD 1863. Sunken reef, north of Goodes Island, Torres Strait, Queensland (10°31.489'S 142°3.316'E), Large sticks of coral rubble, 12 m, M. Capa, J.K. Lowry, 29 September 2006.
Autonoe seurati, *Pseudambasia acuticaudata*
- QLD 1866. Sunken reef, north of Goodes Island, Torres Strait, Queensland (10°31.489'S 142°3.316'E), rocks with 15 cm tall *Sargassum* sp., 12 m, M. Capa & J.K. Lowry, 29 September 2006.
Elasmopus alalo
- QLD 1869. Sunken reef, north of Goodes Island, Torres Strait, Queensland (10°31.489'S 142°3.316'E), coral rubble with hydroids, 10 m, M. Capa & J.K. Lowry, 29 September 2006.
Bamarooka tropicalis, *Pareiasmopus cymatilis*
- QLD 1873. Northwest corner of Goodes Island, Torres Strait, Queensland (10°33.579'S 142°9.143'E), sticks of coral rubble, 7 m, M. Capa & L.E. Hughes, 29 September 2006.
Pseudambasia acuticaudata
- QLD 1875. Northwest corner of Goodes Island, Torres Strait, Queensland (10°33.579'S 142°9.143'E), *Dictyota* sp., 9.4 m, M. Capa & L.E. Hughes, 29 September 2006.
Leucothoella gracilis
- QLD 1877. Northwest corner of Goodes Island, Torres Strait, Queensland (10°33.579'S 142°9.143'E), live rock, 5 m, M. Capa & L.E. Hughes, 29 September 2006.
Elasmopus hooheno
- QLD 1878. Northwest corner of Goodes Island, Torres Strait, Queensland (10°33.579'S 142°9.143'E), Submerged log, 7 m, M. Capa, L.E. Hughes, 29 September 2006.
Autonoe seurati
- QLD 1885. Drop off at the north-western corner of Hammond Island, Torres Strait, Queensland (10°32.407'S 142°11.331'E), red bubble algae, 15.3 m, J.K. Lowry & L.E. Hughes, 30 September 2006.
Ampithoe katae
- QLD 1886. Drop off at the north-western corner of Hammond Island, Torres Strait, Queensland (10°32.407'S 142°11.331'E), red bubble algae, *Dictyota* sp. and other algae, 15.3 m, J.K. Lowry & L.E. Hughes, 30 September 2006.
Pareiasmopus cymatilis
- QLD 1888. Reef between Hammond Island and Goodes Island, Torres Strait, Queensland (10°33.722'S 142°10.462'E), sponge, *Acropora* sp., 9 m, M. Capa & L.E. Hughes, 28 September 2006.
Ampithoe katae, *Cymadusa cavimana*, *Pareiasmopus cymatilis*
- QLD 1889. Reef between Hammond Island and Goodes Island, Torres Strait, Queensland (10°33.722'S 142°10.462'E), coarse coral rubble, 9 m, M. Capa & L.E. Hughes, 28 September 2006.
Pseudambasia acuticaudata
- QLD 1891. Reef between Hammond Island and Goodes Island, Torres Strait, Queensland (10°33.722'S 142°10.462'E), coarse coral rubble, 9 m, M. Capa & L.E. Hughes, 28 September 2006.

Pareiasmopus cymatilis

QLD 1893. Western drop off, north side of Hammond Island, Torres Strait, Queensland (10°32.402'S 142°11.331'E), sponge and epiphytic algae, 15 m, J.K. Lowry & L.E. Hughes, 30 September 2006.

Bamarooka tropicalis, *Pareiasmopus cymatilis*

QLD 1894. 200 m off the beach on the southern side of Thursday Island, Torres Strait, Queensland (10°35.296'S 142°12.971'E), low turfing brown algae on mooring rope, 2 m, J.K. Lowry & M. Capa, 30 September 2006.

Ampithoe meganae

QLD 1895. 200 m off the beach on the southern side of Thursday Island, Torres Strait, Queensland (10°35.296'S 142°12.971'E), low turfing brown algae on hull of MS *Pangea*, 2 m, J.K. Lowry & M. Capa, 30 September 2006.

Ampithoe katae, *Autonoe seurati*, *Podocerus brasiliensis*

QLD 1897. Between Friday Island and Prince of Wales Island, Torres Strait, Queensland (10°36.486'S 142°10.387'E), seagrass, 5 m, L.E. Hughes & M. Capa, 30 September 2006.

Bemlos aequimanus, *Pareiasmopus cymatilis*

QLD 1900. Near shore, western side of Hawkesbury Island, Torres Strait, Queensland (10°21.74'S 142°7.07'E), soft sediment, 8 m, J.K. Lowry & M. Capa, 1 October 2006.

Bemlos australis, *Monoculodes tropicalis*, *Perioculodes talboti*

QLD 1901. Near shore, western side of Hawkesbury Island, Torres Strait, Queensland (10°21.74'S 142°7.07'E), large pieces of coral rubble, 6 m, J.K. Lowry & M. Capa, 1 October 2006.

Mallacoota capricornia

QLD 1902. Near shore, western side of Hawkesbury Island, Torres Strait, Queensland (10°21.74'S 142°7.07'E), soft bottom sediment and pieces of coral rubble, 6 m, J.K. Lowry & M. Capa 1 October 2006.

Autonoe seurati, *Pareiasmopus cymatilis*, *Perioculodes talboti*

QLD 1903. Near shore, western side of Hawkesbury, Torres Strait, Queensland (10°21.74'S 142°7.07'E), coral branches with ascidians (*Didemnum* sp.), 5.6 m, J.K. Lowry & M. Capa, 1 October 2006.

Autonoe seurati, *Pareiasmopus cymatilis*

QLD 1904. Near shore, western side of Hawkesbury, Torres Strait, Queensland (10°21.74'S 142°7.07'E), coral rubble with sponges, 8 m, J.K. Lowry & M. Capa, 1 October 2006.

Pareiasmopus cymatilis

QLD 1905. Near shore, western side of Hawkesbury Island, Torres Strait, Queensland (10°21.74'S 142°7.07'E), coral rubble with sponges, 8 m, J.K. Lowry & M. Capa, 1 October 2006.

Autonoe seurati, *Pareiasmopus cymatilis*

QLD 1907. Near shore, western side of Hawkesbury Island, Torres Strait, Queensland (10°21.74'S 142°7.07'E), dead coral branches with blue ascidians, 5.8 m, J.K. Lowry & M. Capa, 1 October 2006.

Syrrhoeo petitaserrata

QLD 1909. Near shore, western side of Hawkesbury Island, Torres Strait, Queensland (10°21.74'S 142°7.07'E), coral rubble, 4.8 m, J.K. Lowry & M. Capa, 1 October 2006.

Mallacoota nananui, *Pareiasmopus cymatilis*

QLD 1914. Northwest Islet, Torres Strait, Queensland (10°18.909'S 142°5.435'E), *Halemida* sp., 4.7 m, L.E. Hughes & M. Capa, 1 October 2006.

Bemlos aequimanus, *Cymadusa cavimana*, *Pareiasmopus cymatilis*

- QLD 1915. Northwest Islet, Torres Strait, Queensland (10°18.909'S 142°5.435'E), coral rubble, 4.9 m, L.E. Hughes & M. Capa, 1 October 2006.
Pareiasmopus cymatilis
- QLD 1916. Northwest Islet, Torres Strait, Queensland (10°18.909'S 142°5.435'E), brown algae, 5.1 m, L.E. Hughes & M. Capa, 1 October 2006.
Cymadusa smilodonta, *Mallacoota nananui*, *Pareiasmopus cymatilis*
- QLD 1917. Northwest Islet, Torres Strait, Queensland (10°18.909'S 142°5.435'E), *Padina* sp., 5.3 m, L.E. Hughes & M. Capa, 1 October 2006.
Cymadusa cavimana, *Mallacoota nananui*, *Pareiasmopus cymatilis*, *Podocerus brasiliensis*
- QLD 1918. Northwest Islet, Torres Strait, Queensland (10°18.909'S 142°5.435'E), Plastic fabric attached to dead coral covered in epiphytes, 3.8 m, M. Capa & L.E. Hughes, 1 October 2006.
Bamarooka tropicalis, *Pareiasmopus cymatilis*
- QLD 1920. Northwest Islet, Torres Strait, Queensland (10°18.909'S 142°5.435'E), dead coral branches, 4.8 m, M. Capa & L.E. Hughes, 1 October 2006.
Bamarooka tropicalis, *Pareiasmopus cymatilis*
- QLD 1922. Western side of Goodes Island, Torres Strait, Queensland (10°34.157'S 142°8.866'E), sandy mud sediment, 7 m, J.K. Lowry & L.E. Hughes, 2 October 2006.
Bemlos australis, *Monoculodes tropicalis*, *Perioculodes talboti*
- QLD 1927. Bommies northwest of Bamfield Point, Prince of Wales Island, Torres Strait, Queensland (10°41.128'S 142°6.032'E), live rock, 3 m, L.E. Hughes & M. Capa, 3 October 2006.
Autonoe seurati
- QLD 1935. Largest bommie in lagoon at the 'Entrance', One Tree Island, Queensland (23°29.283'S 152°4.773'E), medium fine grain sediment, 4.2 m, L.E. Hughes & I. Takeuchi, 24 October 2006.
Aborolobatea insidiosa, *Prosocratus carolinae*
- QLD 1936. Largest bommie in lagoon at the 'Entrance', One Tree Island, Queensland (23°29.283'S 152°4.773'E), very fine silty sediment, 4.2 m, L.E. Hughes & I. Takeuchi, 24 October 2006.
Aborolobatea insidiosa
- QLD 1938. Largest bommie in lagoon at the 'Entrance', One Tree Island, Queensland (23°29.283'S 152°4.773'E), red algae, 1 m, L.E. Hughes & I. Takeuchi, 24 October 2006.
Ampithoe meganae, *Cymadusa heronensis*, *Mallacoota schellenbergi*
- QLD 1939. Largest bommie in lagoon at the 'Entrance', One Tree Island, Queensland (23°29.283'S 152°4.773'E), small brown turfing algae and silt, 3.3 m, L.E. Hughes & I. Takeuchi, 24 October 2006.
Maxillipius rectitelson
- QLD 1940. Largest bommie in lagoon at the 'Entrance', One Tree Island, Queensland (23°29.283'S 152°4.773'E), calcareous red algae, 4.2 m, L.E. Hughes & I. Takeuchi, 24 October 2006.
Dulichella pacifica, *Mallacoota capricornia*
- QLD 1941. Largest bommie in lagoon at the 'Entrance', One Tree Island, Queensland (23°29.283'S 152°4.773'E), red algae, 4 m, L.E. Hughes & I. Takeuchi, 24 October 2006.
Ampithoe meganae, *Cymadusa heronensis*, *Mallacoota capricornia*
- QLD 1942. Largest bommie in lagoon at the 'Entrance', One Tree Island, Queensland (23°29.283'S 152°4.773'E), green algae from mooring rope, 0 m, L.E. Hughes & I. Takeuchi, 24 October 2006.

Mallacoota schellenbergi

QLD 1943. 200 m from shore, off research station beach, One Tree Island, Queensland (23°30.201'S 152°5.321'E), medium grain sediment, 2 m, L.E. Hughes & I. Takeuchi, 25 October 2006.

Periocolodes talboti, *Telsosynopia trifidilla*

QLD 1944. 200 m from shore, off research station beach, One Tree Island, Queensland (23°30.201'S 152°5.321'E), red algae, 2 m, L.E. Hughes & I. Takeuchi, 25 October 2006.

Ampithoe meganae

QLD 1945. 200 m from shore, off research station beach, One Tree Island, Queensland (23°30.201'S 152°5.321'E), hydroids, 2 m, L.E. Hughes & I. Takeuchi, 25 October 2006.

Ampithoe waialua

QLD 1947. Largest bommie in lagoon at the 'Entrance', One Tree Island, Queensland (23°29.283'S 152°4.773'E), coral rubble and sponges, 4.1 m, J.K. Lowry & L.E. Hughes, 25 October 2006.

Elasmopus hooheno

QLD 1948. Largest bommie in lagoon at the 'Entrance', One Tree Island, Queensland (23°29.283'S 152°4.773'E), soft sediment, 4.5 m, J.K. Lowry & L.E. Hughes, 25 October 2006.

Aborolobatea insidiosa, *Ampithoe waialua*, *Cymadusa smilodonta*, *Periocolodes talboti*, *Telsosynopia trifidilla*

QLD 1949. Largest bommie in lagoon at the 'Entrance', One Tree Island, Queensland (23°29.283'S 152°4.773'E), large sticks of coral rubble, 4.5 m, J.K. Lowry & L.E. Hughes, 25 October 2006.

Elasmopus spinicarpus

QLD 1950. Largest bommie in lagoon at the 'Entrance', One Tree Island, Queensland (23°29.283'S 152°4.773'E), coral rubble with coarse sand, 4 m, J.K. Lowry & L.E. Hughes, 25 October 2006.

Pareiasmopus cymatilis

QLD 1951. Largest bommie in lagoon at the 'Entrance', One Tree Island, Queensland (23°29.283'S 152°4.773'E), red coralline algae, 4.2 m, J.K. Lowry & L.E. Hughes, 25 October 2006.

Mallacoota capricornia

QLD 1952. North of No Tree Island, One Tree Island, Queensland (23°29.796'S 152°3.433'E), red algae, 0.5 m, I. Takeuchi & L.E. Hughes, 25 October 2006.

Ampithoe meganae, *Plumithoe quadrimana*

QLD 1955. North of No Tree Island, One Tree Island, Queensland (23°29.796'S 152°3.433'E), soft sediment, 2.1 m, I. Takeuchi, L.E. Hughes, 25 October 2006.

Aborolobatea insidiosa, *Periocolodes talboti*, *Wombalano yerang*

QLD 1959. Outside barrier reef near the 'Entrance', One Tree Island, Queensland (23°29.044'S 152°5.377'E), sediment from reef gutter, 10.6 m, I. Takeuchi & L.E. Hughes, 26 October 2006.

Cymadusa noacki, *Elasmopus spinicarpus*, *Podocerus talegus talegus*

QLD 1960. Outside barrier reef near the 'Entrance', One Tree Island, Queensland (23°29.044'S 152°5.377'E), mixed red algae, 10 m, I. Takeuchi & L.E. Hughes, 26 October 2006.

Cymadusa noacki, *Gibberosus udarus*, *Periocolodes talboti*

QLD 1961. Outside barrier reef near the 'Entrance', One Tree Island, Queensland (23°29.044'S 152°5.377'E), mixed red algae, 10 m, I. Takeuchi & L.E. Hughes, 26 October 2006.

Podocerus talegus talegus

- QLD 1962. Outside barrier reef near the 'Entrance', One Tree Island, Queensland (23°29.044'S 152°5.377'E), large brown hydroid, 10 m, I. Takeuchi & L.E. Hughes, 26 October 2006.
Podocerus talegus talegus
- QLD 1963. Third lagoon, One Tree Island, Queensland (23°30.79'S 152°5.181'E), mixed algae from mooring rope, 4 m, I. Takeuchi & J.K. Lowry, 26 October 2006.
Elasmopus crenulatus
- QLD 1964. Third lagoon, One Tree Island, Queensland (23°30.79'S 152°5.181'E), soft sediment, 5 m, I. Takeuchi & J.K. Lowry, 26 October 2006.
Aborolobatea insidiosa, Perioculodes talboti, Telsosynopia trifidilla
- QLD 1966. Third lagoon, One Tree Island, Queensland (23°30.79'S 152°5.181'E), red algae from reef crest, 0.5 m, I. Takeuchi & J.K. Lowry, 26 October 2006.
Ampithoe meganae, Ampithoe waialua
- QLD 1967. Third lagoon, One Tree Island, Queensland (23°30.79'S 152°5.181'E), mixed algae from mooring rope, 0.5 m, I. Takeuchi & J.K. Lowry, 26 October 2006.
Elasmopus crenulatus, Mallacoota capricornia, Mallacoota schellenbergi
- QLD 1969. Third lagoon, One Tree Island, Queensland (23°30.79'S 152°5.181'E), red algae from reef crest, 1 m, I. Takeuchi & J.K. Lowry, 26 October 2006.
Ampithoe meganae, Ampithoe waialua
- QLD 1970. Third lagoon, One Tree Island, Queensland (23°30.79'S 152°5.181'E), green filamentous sponge, I. Takeuchi & J.K. Lowry, 26 October 2006.
Dulichella pacifica
- QLD 1971. Steves bommie, near Two Trees Islet, outer reef, One Tree Island, Queensland (23°29.059'S 152°5.452'E), sand and rubble, 15 m, L.E. Hughes & J.K. Lowry, 27 October 2006.
Ceina gerlachae
- QLD 1972. Steves bommie, near Two Trees Islet, outer reef, One Tree Island, Queensland (23°29.059'S 152°5.452'E), coral rubble, 13.6 m, L.E. Hughes & J.K. Lowry, 27 October 2006.
Elasmopus hooheno, Mallacoota scopulosa
- QLD 1973. Steves bommie, near Two Trees Islet, outer reef, One Tree Island, Queensland (23°29.059'S 152°5.452'E), large solitary ascidians, 13.8 m, L.E. Hughes & J.K. Lowry, 27 October 2006.
Mallacoota scopulosa
- QLD 1974. Steves bommie, near Two Trees Islet, outer reef, One Tree Island, Queensland (23°29.059'S 152°5.452'E), coral rubble with algae, 13.2 m, L.E. Hughes & J.K. Lowry, 27 October 2006.
Ampithoe cookana, Ampithoe katae, Mallacoota scopulosa
- QLD 1975. Steves bommie, near Two Trees Islet, outer reef, One Tree Island, Queensland (23°29.059'S 152°5.452'E), low turfing algae and fine sediment, 13.8 m, L.E. Hughes & J.K. Lowry, 27 October 2006.
Ampithoe cookana, Podocerus talegus talegus, Quadrimaera pacificus
- QLD 1976. Steves bommie, near Two Trees Islet, outer reef, One Tree Island, Queensland (23°29.059'S 152°5.452'E), large sticks of coral rubble with epiphytes, 13.5 m, L.E. Hughes & J.K. Lowry, 27 October 2006.
Ampithoe katae, Mallacoota scopulosa, Podocerus talegus talegus
- QLD 1977. Steves bommie, near Two Trees Islet, outer reef, One Tree Island, Queensland (23°29.059'S 152°5.452'E), red coralline algae with epiphytes *Dictyota* sp. and *Halimeda* sp., 13 m, L.E. Hughes & J.K. Lowry, 27 October 2006.

Mallacoota scopulosa, *Podocerus talegus talegus*

QLD 1978. Steves bommie, near Two Trees Islet, outer reef, One Tree Island, Queensland (23°29.059'S 152°5.452'E), coral rubble with epiphytes and solitary ascidians, 13 m, L.E. Hughes & J.K. Lowry, 27 October 2006.

Ampithoe cookana, *Ampithoe katae*, *Elasmopus hooheno*, *Mallacoota capricornia*, *Podocerus talegus talegus*

QLD 1979. North of Third Lagoon, outer reef, One Tree Island, Queensland (23°29.083'S 152°4.12'E), fine sediment, 18 m, I. Takeuchi & J.K. Lowry, 27 October 2006.

Aborolobatea insidiosa, *Bemlos aequimanus*, *Perioculodes talboti*, *Platyischnopus mam*, *Pseudambasia acuticaudata*, *Wombalano yerang*

QLD 1980. North of Third Lagoon, outer reef, One Tree Island, Queensland (23°29.083'S 152°4.12'E), tufts of red algae, 18 m, I. Takeuchi & J.K. Lowry, 27 October 2006.

Ampithoe meganae, *Maxillipius rectitelson*, *Podocerus brasiliensis*

QLD 1981. North of Third Lagoon, outer reef, One Tree Island, Queensland (23°29.083'S 152°4.12'E), *Caulerpa* sp. and coral rubble, 18 m, I. Takeuchi & J.K. Lowry, 27 October 2006.

Pareiasmopus cymatilis, *Synopia ultramarina*, *Syrrhoë petitaserrata*

QLD 1982. North of Third Lagoon, outer reef, One Tree Island, Queensland (23°29.083'S 152°4.12'E), coral rubble, 18 m, I. Takeuchi & J.K. Lowry, 27 October 2006.

Ampithoe meganae, *Pareiasmopus cymatilis*

QLD 1983. North of Third Lagoon, outer reef, One Tree Island, Queensland (23°29.083'S 152°4.12'E), *Halimeda* sp., 18 m, I. Takeuchi & J.K. Lowry, 27 October 2006.

Ampithoe meganae, *Mallacoota nananui*, *Mallacoota scopulosa*, *Podocerus brasiliensis*, *Pseudambasia acuticaudata*, *Syrrhoë petitaserrata*

QLD 1984. North of Third Lagoon, outer reef, One Tree Island, Queensland (23°29.083'S 152°4.12'E), white hydroids, 12 m, I. Takeuchi & J.K. Lowry, 27 October 2006.

Ampithoe waialua

QLD 1985. North of Third Lagoon, outer reef, One Tree Island, Queensland (23°29.083'S 152°4.12'E), large brown hydroids, 15 m, I. Takeuchi & J.K. Lowry, 27 October 2006.

Mallacoota nananui

QLD 1986. North of Third Lagoon, outer reef, One Tree Island, Queensland (23°29.083'S 152°4.12'E), red algae, 14 m, I. Takeuchi & J.K. Lowry, 27 October 2006.

Mallacoota nananui

QLD 1988. The channel on the western side of One Tree Island, Queensland (23°30.201'S 152°5.321'E), coral rubble, 2 m, I. Takeuchi & L.E. Hughes, 28 October 2006.

Austromaera brevicaudata, *Elasmopus spinicarpus*, *Mallacoota schellenbergi*, *Pseudambasia acuticaudata*

QLD 1992. Outer reef slope, south of One Tree Island, Queensland (23°30.79'S 152°5.181'E), red algal tufts, 16 m, I. Takeuchi, L.E. Hughes, 28 October 2006.

Podocerus talegus talegus

QLD 1994. Outer reef slope, south of One Tree Island, Queensland (23°30.79'S 152°5.181'E), large sticks of coral rubble, 13.8 m, I. Takeuchi & L.E. Hughes, 28 October 2006.

Cymadusa noacki, *Pareiasmopus cymatilis*, *Podocerus talegus talegus*

QLD 1995. Outer reef slope, south of One Tree Island, Queensland (23°30.79'S 152°5.181'E), Red algae, 12.4 m, I. Takeuchi & L.E. Hughes, 28 October 2006.

Podocerus talegus talegus

QLD 1996. Outer reef slope, south of One Tree Island, Queensland (23°30.79'S 152°5.181'E), coral rubble with epiphytic algae, 9.6 m, I. Takeuchi & L.E. Hughes, 28 October 2006.

Podocerus talegus talegus

QLD 1999. North of Third Lagoon, outer reef, One Tree Island, Queensland (23°29.485'S 152°2.871'E), fine sediment, 10 m, I. Takeuchi & J.K. Lowry, 29 October 2006.

Ampithoe cookana, Gibberosus udarus, Periocolodes talboti, Platyischnopus mam

QLD 2000. North of Third Lagoon, outer reef, One Tree Island, Queensland (23°29.485'S 152°2.871'E), dead *Acropora* sp. coral with epiphytes, 10 m, I. Takeuchi & J.K. Lowry, 29 October 2006.

Ampithoe cookana, Mallacoota capricornia, Mallacoota nananui, Periocolodes talboti, Podocerus talegus talegus

QLD 2001. North of Third Lagoon, outer reef, One Tree Island, Queensland (23°29.485'S 152°2.871'E), red algae, 12 m, I. Takeuchi & J.K. Lowry, 29 October 2006.

Elasmopus alalo, Mallacoota scopulosa

QLD 2003. North of Third Lagoon, outer reef, One Tree Island, Queensland (23°29.485'S 152°2.871'E), dead coral, *Halimeda* sp. & red algal tufts, 10 m, I. Takeuchi & J.K. Lowry, 29 October 2006.

Ampithoe meganae, Mallacoota scopulosa

QLD 2004. North of Third Lagoon, outer reef, One Tree Island, Queensland (23°29.485'S 152°2.871'E), *Chlorodesmis* sp., 10 m, I. Takeuchi & J.K. Lowry, 29 October 2006.

Mallacoota nananui

QLD 2005. Centre Bommie, First Lagoon, One Tree Island, Queensland (23°30.201'S 152°5.321'E), fine chalky sediment, 1.7 m, L.E. Hughes & J.K. Lowry, 29 October 2006.

Telsosynopia trifidilla

QLD 2006. Centre Bommie, First Lagoon, One Tree Island, Queensland (23°30.201'S 152°5.321'E), dead coral with epiphytes, 1.7 m, L.E. Hughes & J.K. Lowry, 29 October 2006.

Ampithoe meganae, Ampithoe waialua, Cymadusa heronensis, Elasmopus crenulatus, Elasmopus hooheno, Elasmopus spinicarpus, Mallacoota capricornia, Plumithoe quadrimana, Podocerus talegus talegus, Wandin griffini

QLD 2009. Reef flat near research station, Heron Island, Queensland (23°26'S 151°55'E), *Holothuria atra* at low water, A. Waren, 4 September 1978.

Globosolembos excavatus

QLD 2010. Off Mrs Watsons Beach, Lizard Island, Queensland (14°40'S 145°27'E), (14°40'S 145°28'E), living on the crinoid, *Zygotetra microdiscus*, 21 m, R.T. Springthorpe, 10 February 1987.

Gbroidea dingaalana

QLD 2011. Off Mrs Watsons Beach, Lizard Island, Queensland (14°40'S 145°27'E), (14°40'S 145°28'E), living on the crinoids, *Comanthus briareus*, *Comatula rotalaria* and *Zygotetra microdiscus*, 21 m, R.T. Springthorpe, 10 February 1987.

Gbroidea dingaalana

QLD 2014. Channel bommie near Bird Islet Lagoon, Lizard Island, Queensland (14°40'S 145°28'E), light trap 1 m below surface in 12–15 m water depth, M. Milicich & J.K. Lowry, 7 February 1987.

Birubius parvus, Metaphoxus varanus, Synopia ultramarina

QLD 2015. Lizard Island, Queensland (14°40'S 145°28'E), light trap at night over reef flat, 3 m, D. Smith & J. Marshall, September 1976.

Birubius kingae

QLD 2017. North side of Heron Island Reef, Heron Island, Queensland (23°27'S 151°55'E), A.J. Bruce, 9 May 1978.
Colomastix dentipalma

QLD 2018. Lizard Island, Queensland (14°40'S 145°28'E), CSIRO.
Birubius batei

SBS 76320. East of Mona Vale, New South Wales (33°41'S 151°19'E), Australian Museum Shelf Benthic Survey, 11 May 1972.
Colomastix processa

SBS 1013005. East of North Head, Sydney, New South Wales (33°49'S 151°20'E), sponge, *Polymastia craticia*, Australian Museum Shelf Benthic Survey, 19 February 1973.
Colomastix processa

SBS 0913006. East of North Head, Sydney, New South Wales (33°49'S 151°20'E), sponge, *Polymastia craticia*, Australian Museum Shelf Benthic Survey, 20 February 1973.
Colomastix processa

SEL/LZI-1-1. Mermaid Cove, Lizard Island, Queensland (14°38.90'S 145°27.26'E), swash/subtidal, protected beach with patch reefs offshore, coarse coral sand with pieces of coral, 0.5–1.0 m, S.E. LeCroy, 2 July 2001.
Dulzura taylorae, *Leucothoe pollexa*, *Melita cecaelia*, *Melita myersi*, *Paradexamine micronesicus*, *Pumiliophotis queenslandicus*, *Saurodocus hobbit*, *Tethygeneia* aff. *pacifica*

SEL/LZI-1-2. Mermaid Cove, Lizard Island, Queensland (14°38.90'S 145°27.26'E), intertidal/subtidal, protected shoreline, rock/rubble (granite), intertidal to 0.5 m, S.E. LeCroy, 2 July 2001.
Tryphosella cameloides

SEL/LZI-1-3. Mermaid Cove, Lizard Island, Queensland (14°38.90'S 145°27.26'E), subtidal, coral rubble/patch reef, old coral rubble, 1–3 m, S.E. LeCroy, 2 July 2001.
Azotostoma fusta, *Guernea ipilya*, *Liljeborgia joergpeteri*, *Maeropsis cobia*, *Wandin griffini*

SEL/LZI-2-1. Picnic Beach, Palfrey Island, Lizard Island, Queensland (14°41.70'S 145°26.92'E), subtidal, patch reef, rubble patch with sand bottom, 2 m, S.E. LeCroy, 3 July 2001.
Anamixis bazimut, *Leucothoe epidemos*, *Leucothoe hipposideros*, *Melphisana madagascarensis*, *Paradexamine quadratus*, *Paranamixis jiiurru*, *Tryphosella cameloides*

SEL/LZI-2-2. Picnic Beach, Palfrey Island, Lizard Island, Queensland (14°41.70'S 145°26.92'E), subtidal, protected beach, poorly sorted coral sand with pieces of old coral, 0.3 m, S.E. LeCroy, 3 July 2001.
Bemlos tui, *Leucothoe pollexa*, *Maeropsis cobia*, *Tethygeneia* aff. *pacifica*

SEL/LZI-2-3. Picnic Beach, Palfrey Island, Lizard Island, Queensland (14°41.70'S 145°26.92'E), intertidal/subtidal, protected beach, coral rubble/sand/algae, 0–0.3 m, S.E. LeCroy, 3 July 2001.
Anamixis bazimut, *Guernea ipilya*, *Leucothoe epidemos*, *Leucothoe hipposideros*, *Leucothoe laevipalma*, *Melphisana madagascarensis*, *Paradexamine saxeta*, *Pereionotus thomsoni*, *Paradexamine levitelson*, *Quadrimeaera pacifica*, *Tethygeneia* aff. *pacifica*

SEL/LZI-2-4. Picnic Beach, Palfrey Island, Lizard Island, Queensland (14°41.70'S 145°26.92'E), subtidal, protected beach, coral rubble/sand patches, 0.3 m, S.E. LeCroy, 3 July 2001.
Leucothoella gracilis, *Paradexamine saxeta*, *Quadrimeaera pacifica*

SEL/LZI-2-5. Picnic Beach, Palfrey Island, Lizard Island, Queensland (14°41.70'S 145°26.92'E), subtidal, protected beach, coral rubble/sand patches, 0.3 m, S.E. LeCroy, 4 July 2001.

Paradexamine saxeta

SEL/LZI-2-6. Picnic Beach, Palfrey Island, Lizard Island, Queensland (14°41.70'S 145°26.92'E), subtidal, protected beach, coral rock/rubble/sand patches, wood pieces, 0.3 m, S.E. LeCroy, 4 July 2001.

Liljeborgia joergpeteri, *Paradexamine massa*, *Quadrimaera pacifica*, *Tethygeneia* aff. *pacifica*, *Tropichelura insulae*

SEL/LZI-2-7. Picnic Beach, Palfrey Island, Lizard Island, Queensland (14°41.70'S 145°26.92'E), subtidal, protected beach, rock rubble and scattered clumps of green algae, 0.3 m, S.E. LeCroy, 4 July 2001.

Anamixis bazimut, *Latigammaropsis hestia*, *Leucothoe epidemos*, *Melphisana madagascarensis*, *Quadrimaera quadrimana*, *Tethygeneia* aff. *pacifica*, *Tryphosella cameloides*

SEL/LZI-2-8. Picnic Beach, Palfrey Island, Lizard Island, Queensland (14°41.70'S 145°26.92'E), intertidal, protected beach, coral rock, 0.2 m, S.E. LeCroy, 4 July 2001.

Gibberosus udarus

SEL/LZI-3-2. Yonge Reef, Lizard Island, Queensland (14°36.911'S 145°37.711'E), subtidal, back reef, coral rubble, 3 m, P.B. Berents, 6 July 2001.

Leucothoe epidemos, *Paradexamine levitelson*, *Tethygeneia* aff. *pacifica*, *Wandin griffini*

SEL/LZI-4-1. Blue Lagoon bommie, Lizard Island, Queensland (14°41.20'S 145°27.90'E), subtidal, patch reef, coral with small tunicate, 1 m, S.E. LeCroy, 5 July 2001.

Leucothoe epidemos, *Liljeborgia joergpeteri*, *Metaprotella sandalensis*, *Quadrimaera serrata*

SEL/LZI-4-2. Blue Lagoon bommie, Lizard Island, Queensland (14°41.20'S 145°27.90'E), subtidal, patch reef, coral/*Halimeda*, 1 m, S.E. LeCroy, 5 July 2001.

Chevalia tenuis, *Paragrubia edgari*

SEL/LZI-5-1. Casuarina Beach, Lizard Island, Queensland (14°40.77'S 145°26.85'E), subtidal, protected beach, fine, slightly muddy sand, 0.5 m, S.E. LeCroy, 5 July 2001.

Doowia dexterae, *Guernea ipilya*, *Leucothoe pollexa*, *Photis davei*, *Tethygeneia* aff. *pacifica*

SEL/LZI-5-2. Casuarina Beach, Lizard Island, Queensland (14°40.77'S 145°26.85'E), subtidal, protected beach, fine, slightly muddy sand from fouling growth on mooring rope, 1 m, S.E. LeCroy, 5 July 2001.

Ampithoe meganae, *Cymadusa alyxis*, *Cymadusa imbroglio*, *Paradexamine saxeta*

SEL/LZI-6-2. Ferriers Creek, Mrs Watsons Beach, Lizard Island, Queensland (14°39.97'S 145°27.07'E), subtidal, mangrove creek, fine muddy sand from mangrove prop root, 0.3 m, S.E. LeCroy, 7 July 2001.

Paracorophium nana