



*Marine Studies*

The University of the South Pacific

# Technical Report

**MOLLUSCAN DIVERSITY OF THE GREAT  
ASTROLABE REEFS FIJI A VOUCHER  
COLLECTION 1986 - 1996**

by

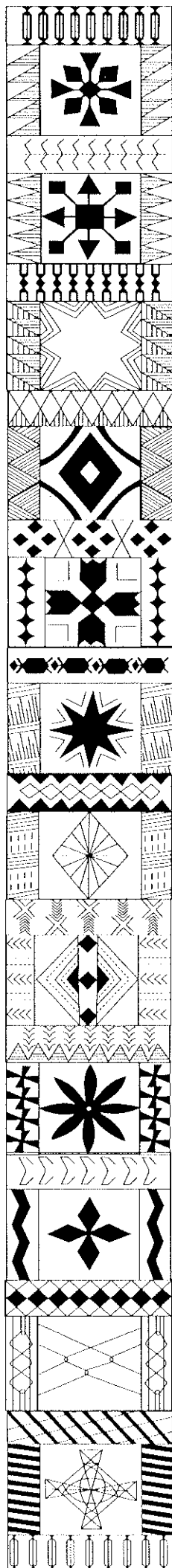
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## **Molluscan Diversity of The Great Astrolabe Reefs, Fiji A Voucher Collection 1986 - 1996**

The purpose of this collection of molluscs is to contribute to baseline information on The Astrolabe Reefs where the Marine Studies Programme of The University of the South Pacific maintains a Field Research Station. After being photographed and identified the specimens will be added to other collections of the Marine Studies Programme.

This list includes 751 species from 205 genera collected from the North and Great Astrolabe Reefs between 1986 and 1996. Collecting continues as does identification. Specimens in the National Museum of Natural History of the Smithsonian Institution have been the prime source for comparisons.

Specimens were collected while diving on over 200 sites on the outer reefs in the lagoon and from the beaches of Dravuni, Namara and Vanuakula Islands. Most of the dives were in daylight so there are not as many live molluscs as there would be if collecting took place at night. The live specimens were first preserved in 100% alcohol later replaced with a 50% solution. Location data since 1992 have been determined by GPS.

The Research Station is on Dravuni Island, approximately 35n.m. South of Suva and all sorties were made from there. Through the local *mataqali*, there is access to the North Astrolabe, the Great Astrolabe as far as South of Ono and to the mangrove rimmed lagoon near Natusara School on Ono. Separate permission must be obtained to collect from the domains of other villages on Ono and Kadavu.

The North Astrolabe is located from S18° 36.20 to S 18° 40.60 and between E 178° 30.00 and E 178° 33.55. The circumference of this atoll is approximately 12.5 N.M.

Separated from it by D'Urville Channel, the Great Astrolabe lies between E 18° 41.20 and S 19° 00.00, E 178° 26.40 and E 178° 35.80 with the large island of Kadavu at its base. The outer reef area available to MSP researchers is about 27 n.m., providing a total of nearly 40 n.m. and over 55 square miles of lagoon.

There is abroad variety of habitats: shallow to deep lagoon with sediment and / or sand and a number of pinnacles; fringing reefs; atoll and barrier reefs with numerous pinnacles.

The Great Astrolabe reef formation began 3 million years ago with the eruption of 3 volcanoes, the North Reef from yet another. Subsidence and sea level

changes have shaped the topography. Lying in open ocean, heavy wave action produced by cyclones also play a role.

Within the past 10,000 years sea level in the Southwest Pacific basin has risen 40-70 metres. It is suggested that benches on the outer reefs at fairly consistent depths represent long time periods when seas were at those levels.

The outer reef wall fall sharply from the crest to 30-40 metres where there is a bench which slopes another 10 metres. At the edge of this bench there is another steep drop of 60-70 meters to a second bench. Caves interrupt the walls at the bench levels.

Fissures in the reef crest to a depth of 30 metres have left pinnacles which stand apart from the reef, with rubble-filled canyons between them. Caves, overhangs and passage-ways provide protected habitats and are rich collecting areas. Many dead specimens are found there and in the sand aprons at the base of these pinnacles. Large Spondylidae and Chamydae are so firmly attached to cave walls that is impossible to remove them intact. Some of the Fasciolaridae, Muricidae, Cymatidae and smaller Bursidae can be collected on these walls.

Dead specimens of the once elusive Cyprae childreri, globulus, cicercula and bistrinotata are common in the sand and rubble floors of caves and passageways indicating that a sharp search image at night would uncover live specimens. The large Cypraea talpa, argus and mappa are scattered in the same area. Cyp. isabella and carneola are among the most common outside the lagoon as well as inside.

Several species of Lambis are so common in the North Reef lagoon that they have been harvested by the thousands. Trochus niloticus have been over-harvested on both reefs and few large specimens remain. The Tridacna are collected for consumption and distribution to relatives on Viti Levu.

The lagoon of the Great Astrolabe is up to 40 metres deep providing habitat in sand and sediment where most bivalves are found. Few collected prior to 1992 and many are not yet identified.

In summary, the Astrolabe Reefs provide a broad variety of habitats for a diverse molluscan population. As many gastropods are nocturnal collections would be enhanced by more night diving. The number of bivalve species would be increased by dredging in the lagoon.

## CLASS GASTROPODA

### SUB-CLASS Prosobranchia

#### ORDER Archaeogastropoda

##### *Pleurotomariodea*

###### *Haliotidae*

- Haliotis (Ovinotis) ovina* Gmelin, 1791
- Haliotis asinina* Linnaeus, 1758
- Haliotis conicopora* Peron, 1816
- Haliotis crebisculpta* Sowerby, 1914
- Haliotis melculus* Iredale, 1927
- Haliotis (Sanhaliotus) planata* Sowerby, 1833
- Haliotis semiplicata* Menke, 1843

##### *Fissurelloidea*

###### *Fissurellidae*

###### *Fissurellinae*

- Emarginula nigromaculata* Thiele, 1930
- Macroschisma bakiei* Adams in Sowerby, 1862

###### *Diodorinae*

- Diodora singaporensis* Reeve, 1850

##### *Patelloidea*

###### *Acmaeidae*

###### *Acmaeinae*

- Patella flexuosa flexuosa* Quoy and Gaimard, 1834
- Patelloida saccharinoides* Habe and Kosuge, 1966
- Patelloida saccharina* Linnaeus, 1758

##### *Trochoidea*

###### *Trochidae*

###### *Modontinae*

###### *Monodonta*

- Jujubinus gilberti* Montrouzier, 1878
- Cantharidus (Jujubinus) picturatus* A.Adams, 1851

###### *Thalotia*

- Thalotia attenuata* Jonas, 1844

###### *Gibbulinae*

- Gibbula (Eurytrochus) affinis cognatus* Pilsbry, 1903

###### *Trochinae*

- Trochus calcaratus* Sowerby, 1826
- Trochus concinnus* Philippi, 1846
- Trochus conus* Gmelin, 1791
- Trochus histrio* Reeve, 1848
- Trochus maculatus* Linnaeus, 1758

*Trochus niloticus* Linnaeus, 1767  
*Trochus ochroleucus* Gmelin, 1791  
*Trochus stellatus* Gmelin, 1791  
*Clanculus atropurpureus* Gould, 1849  
*Clanculus clanguloides* Wood, 1828  
*Clanculus unedo* Adams, 1853  
*Tectus conus* Gmelin, 1791  
*Tectus fenestratus* Gmelin, 1791  
*Tectus pyramis* Born, 1778  
*Tectus radiatus* Gmelin, 1791  
*Tectus stellatus* Gmelin, 1791  
*Tectus triserialis* Lamarck, 1822

#### **Umboniinae**

*Ethminolia stearnsii* Pilsbry, 1895  
*Monilea philippiana* Dunker, 1811

#### **Stomatellidae**

##### **Stomatellinae**

*Pseudostomatella maculata* Quoy & Gaimard, 1834  
*Pseudostomatella decolorata* Gould, 1838  
*Pseudostomatella* sp.  
*Stomatella varia* A. Adams, 1850  
*Stomatia phymotis* Helbing, 1779

#### **Turbinidae**

##### **Turbininae**

*Lunella cinerea* Born, 1778  
*Turbo (Marmarostoma) argyrostomus* Linnaeus, 1758  
*Turbo (Marmarostoma) chrystostomus* Linnaeus, 1758  
*Turbo bruneus* Röding, 1798  
*Turbo crassus* Wood, 1828  
*Turbo haynesi* Preston, 1914  
*Turbo petholatus* Linnaeus, 1758  
*Turbo parvulus* Philippi, 1848  
*Turbo radiatus* Gmelin, 1791  
*Turbo reevei* Philippi, 1847

##### **Angariinae**

*Angaria distorta* Linnaeus, 1758  
*Angaria delphinus* Linnaeus, 1758

##### **Astraeinae**

*Astrae (Cookia or Bolma) aureola* Hedley, 1907  
*Astralium (Australeum) calcar* Linnaeus, 1758  
*Astralium rhodostoma* Lamarck, 1822  
*Bolma (Galeoastrea) erectospina* Habe & Okutani, 1980  
*Bolma (Galeoastrea) persica* Dall, 1907

#### **Neritoidea**

##### **Neritidae**

##### **Neritinae**

*Nerita albacilla* Anton, 1839  
*Nerita (Ritena) plicata* Linnaeus, 1758

*Nerita polita* Linnaeus, 1758  
and form *rumphii* Recluz, 1841  
*Nerita squamulata* Le Guillou, 1841

**Neritopsidae**

*Neritopsis radula* Linnaeus, 1758

**SUB-CLASS Prosobranchia**

**ORDER Mesogastropoda**

**SUB-ORDER Taenioglossa, Superfamily Cerithiacia**

**Veremetidae**

*Serpulorbis medusae* Pilsbry, 1891

**Melanellidae**

*Melanella dufresnei* Bowdich, 1832

**Littorinoidea**

**Littorinidae**

**Littorininae**

*Littorina scabra scabra* Linnaeus 1758

*Littorina* sp.

**Rissoidea**

**Rissoidae**

**Rissoininae**

*Rissonia spirata* Sowerby, 1824

*Zebina (Morchiella) gigantea* Deshayes, 1850

**Cerithioidea**

**Cerithiidae**

**Cerithiinae**

*Cerithium alveolus* Hombrun & Jaquinot, 1854

*Cerithium balteatum* Philippi, 1848

*Cerithium columna* Sowerby, 1834

*Cerithium echinatum* Lamarck, 1822

*Cerithium nesioticum* Pilsbry & Vanatta, 1906

*Cerithium nigrobalteatum* E.A. Smith, 1884

*Cerithium nodulosum* Bruguiere, 1792

*Cerithium novohollandae* A. Adams, 1855

*Cerithium planum* Anton, 1839

*Cerithium (Ischnocerithium) rostratum* Sowerby, 1855

*Cerithium salebrosum* Sowerby, 1855

*Cerithium zonatum* Wood, 1828

*Clypeomorus batillariaeformis* Habe & Kosuge, 1966

*Clypeomorus tuberculatus* Linnaeus, 1758

*Clypeomorus petrosus* Wood, 1828

*Pseudovertagus aluco* Linnaeus, 1758

*Rhinoclavis articulata* Adams & Reeve, 1850

*Rhinoclavis aspera* Linnaeus, 1758

*Rhinoclavis fasciata* Bruguiere, 1792

*Rhinoclavis sinensis* Gmelin, 1791  
*Rhinoclavis vertagus* Linnaeus, 1758

**Potamididae**

**Potamidinae**

*Cerithidea cingulata* Gmelin, 1791

**Modulidae**

*Modulus candidus* Petit, 1853

*Modulus tectum* Gmelin, 1791

**Siliquariidae**

*Siliquaria* sp.

**Vermetidae**

*Vermetus tokyoensis* Pilsbry, 1835

*Vermetus* sp.

**Stromboidea**

**Strombidae**

*Lambis lambis* Linnaeus, 1758

*Lambis scorpius scorpius* Linnaeus, 1758

*Lambis truncata sebae* Kiener, 1843

*Lambis crocata crocata* Link, 1807

*Strombus (Canarium) dentatus* Linnaeus, 1758

*Strombus (Canarium) fragilis* Röding, 1798

*Strombus (Canarium) labiatus labiatus* Röding, 1798

*Strombus (Canarium) mutabilis* Swainson, 1821

*Strombus (Canarium) terebellatus* Sowerby II, 1842

*Strombus (Canarium) turben* Reeve, 1844

*Strombus (Conomurex) luhuanus* Linnaeus, 1758

*Strombus (Dolomena) minimus* Linnaeus, 1771

*Strombus (Euprotomus) bulla* Röding, 1798

*Strombus gibberulus gibbosus* Röding, 1798

*Strombus (Lentigo) lentiginosus* Linnaeus, 1758

*Strombus thersites* Swainson, 1832

*Strombus (Tricornis) sinuatus* Humphrey, 1786

*Terebellum terebellum* Linnaeus, 1758

**Crepiduloidea**

**Trichotropidae**

*Trichotropis dorbignyanum* Petit, 1851

**Hipponicoidea**

**Hipponicidae**

*Cheilea equestris* Linnaeus, 1758

*Chilea flinderski* Cotton, 1935

*Hipponix australis* Lamarck, 1819

*Sabia conica* Schumacher, 1817

## **Vanikoroidea**

### **Vanikoridae**

*Vanikoro cancellata* Lamarck, 1822

*Vanikoro ligata gueriniana* Recluz, 1844

## **Cypraeoidea**

### **Cypraeidae**

*Cypraea alisonae* Burgess, 1983

*Cypraea annulus* Linnaeus, 1758

*Cypraea arabica* Linnaeus, 1758

*Cypraea argus* Linnaeus, 1758

*Cypraea asellus* Linnaeus, 1758

*Cypraea beckii* Gaskoin, 1836

*Cypraea bistrinotata* Schilder & Schilder, 1937

*Cypraea bregeriana* Crosse, 1868

*Cypraea caputserpentis* Linnaeus, 1758

*Cypraea carneola* Linnaeus, 1758

*Cypraea caurica* Linnaeus, 1758

and form *elongata* Perry, 1811

*Cypraea childreni* Gray, 1825

*Cypraea cicercula* Linnaeus, 1758

*Cypraea cicercula* form *margarita* Dillwyn, 1817

*Cypraea cribraria* Linnaeus, 1758

*Cypraea eburnea* Barnes, 1824

*Cypraea eglantina* Duclos, 1833

*Cypraea erosa* Linnaeus, 1758

*Cypraea erosa* form *lactescens* Dautzenberg - Bauge, 1933

*Cypraea erronea* Linnaeus, 1758

*Cypraea felina* Gmelin, 1791

*Cypraea globulus* Linnaeus, 1758

*Cypraea helvola* Linnaeus, 1758

*Cypraea hirundo* Linnaeus, 1758

*Cypraea ? humphreysi* Gray, 1825

*Cypraea interrupta* Gray, 1824

*Cypraea isabella* Linnaeus, 1758

*Cypraea kieneri* Hidalgo, 1906

*Cypraea labrolineata* Gaskoin, 1849

*Cypraea limacina* Lamarck, 1810

*Cypraea lutea* Gmelin, 1791

*Cypraea lynx* Linnaeus, 1758

*Cypraea mappa* Linnaeus, 1758

*Cypraea mariae* Schilder, 1927

*Cypraea martini* Schepman, 1907

*Cypraea mauritiana* Linnaeus, 1758

*Cypraea minoridens* Melville, 1901

*Cypraea moneta* Linnaeus, 1758

*Cypraea nucleus* Linnaeus, 1758

*Cypraea pallidula* Gaskoin, 1849

*Cypraea poraria* Linnaeus, 1758

*Cypraea propinqua* Garrett, 1879

*Cypraea pulchella* Swainson, 1823

*Cypraea punctata* Linnaeus, 1771

*Cypraea scurra* Gmelin, 1791



*Cypraea staphylaea* Linnaeus, 1758  
*Cypraea stolidia* Linnaeus, 1758  
*Cypraea talpa* Linnaeus, 1758  
*Cypraea teres* Gmelin, 1791  
*Cypraea tigris* Linnaeus, 1758  
*Cypraea ursellus* Gmelin, 1791  
*Cypraea ventriculus* Lamarck, 1810  
*Cypraea vitellus* Linnaeus, 1758  
*Cypraea yaloka* Steadman & Cotton, 1943

**Triviidae**

*Trivirostra oryza oryza* Lamarck, 1810

**Ovulidae**

**Ovulinae**

*Ovula ovum* Linnaeus, 1758

**Lamellariidae**

*Calidoniella* sp. (Souverbie, 1869)

**Naticoidea**

**Naticidae**

**Naticinae**

*Natica (Naticarius) onca* Röding, 1798

*Natica aerolata* Recluz, 1844

*Natica sagittata* Menke, 1843

**Polinicinae**

*Polinices albumen* Linnaeus, 1758

*Polinices (Mammilla) melanostromus* Gmelin, 1791

*Polinices fibrosa* Souleyet, 1852

*Polinices flemingianus* Recluz, 1844

*Polinices maurus* Lamarck, 1816

*Polinices sebae* Recluz, 1844

*Polinices (Mammilla) simiae* Deshayes, in Deshayes and Edwards, 1838

*Polinices tumidus* Swainson, 1840

**Sininae**

*Eunaticina papilla* Gmelin, 1791

**Tonnoidea**

**Tonnidae**

*Tonna perdix* Linnaeus, 1758

*Tonna tessellata* Lamarck, 1816

*Malea pomum* Linnaeus, 1758

**Ficidae**

*Ficus filosa* Sowerby, 1892

*Ficus subintermedia* d'Orbigny, 1852

**Cassidae**

*Casmaria erinaceus* Linnaeus, 1758

*Casmaria ponderosa ponderosa*, form *nodulosa* Gmelin, 1791

### **Bursidae**

- Bursa condita* Gmelin, 1791
- Bursa (Bursa) cruentata* Sowerby, 1835
- Bursa (Bursa) lamarkii* Deshayes, 1853
- Bursa (Bursa) rhodostoma* G.B. Sowerby II, 1835
- Bursa (Bursa) rosa* Perry, 1811
- Bursa (Colubrellina) granularis* Röding, 1798
- Bursa (Tutufa) bubo* Linnaeus, 1758
- Bursa (Tutufa) bufo* Röding, 1798
- Bursa (Tutufella) rubeta* Röding, 1798

### **Ranellidae**

#### **Ranellinae**

- Gyrineum pusillum* Broderip, 1832
- Gyrineum gyrinum* Linnaeus, 1758
- Gyrineum (Gyrinum) natator* Röding, 1798

### **Cymatiidae**

#### **Cymatiinae**

- Charonia (Tritonis) tritonis* Linnaeus, 1758
- Cymatium hepaticum* Röding, 1798
- Cymatium lotorium* Linnaeus, 1758
- Cymatium mundum* Gould, 1849
- Cymatium muricinum* Röding, 1798
- Cymatium nicobaricum* Röding, 1798
- Cymatium pileare* Linnaeus, 1758
- Cymatium pileare* form *intermedium* Pease, 1869
- Cymatium pileare*, form *aquatile*, Reeve, 1844
- Cymatium (Ranularia) pyrum* Linnaeus, 1758
- Cymatium (Septa) gemmatum* Reeve, 1844
- Cymatium (Septa) rubeculum* Linnaeus, 1758
- Cymatium vespaceum* Lamarck, 1822
- Linatella (Gelagna) succincta* Linnaeus, 1771

#### **Distorsioninae**

- Distorsio anus* Linnaeus, 1758
- Distorsio (Distorsio) constricta habei* Lewis, 1972

## **SUB-ORDER Heteroglossa**

### **Triphoroidea**

#### **Triphoriidae**

##### **Triphorinae**

- Viriola interfiliata* Gould, 1861

### **Eulimoidea**

#### **Thycidae**

##### **Thycinae**

- Thyca crystallina* H. & A. Adams, 1854

## ORDER Neogastropoda

### **Muricoidea**

#### **Muricidae**

##### **Muricinae**

- Attilosa nodulifera* Sowerby, 1841
- Attilosa* sp.
- Chicoreus (Chicoreus) ramosus* Linnaeus, 1758
- Chicoreus brunneus* Link, 1807
- Chicoreus microphyllus* Lamarck, 1816
- Chicoreus rosarius* Perry, 1811
- Chicoreus saulii* Sowerby, 1841
- Chicoreus strigatus* Reeve, 1849
- Chicoreus torrefactus* Sowerby, 1841
- Homolocantha anomalie* Kosuge, 1759
- Homolocantha anatomica* Perry, 1811
- Homolocantha* sp.
- Marchia martinetana* Röding, 1798

##### **Naquetinae**

- Naquetia trigonulus* Lamarck, 1816
- Naquetia triquetra* Born, 1778
- Pterynotus elongatus* Lightfoot, 1786
- Pterynotus tripterus* Born, 1778

##### **Muricopsinae**

- Favartia dorotheae* Emerson & D'Attilio, 1979
- Favartia salmonia* Melvill & Standen, 1899

##### **Thaidinae**

- Thais (Mancinella) mancinella* Linnaeus, 1758
- Thais (Thais) armigera* Link, 1807
- Thais (Thais) javanica* Philippi, 1848
- Thais alouina* Röding, 1798
- Thais echinata* Blainville, 1832
- Thais echinulata* Lamarck, 1816
- Thais hippocostatium* Linnaeus, 1758
- Thais kieneri* Deshayes, 1844
- Thais tuberosa* Röding, 1798
- Stramonita muricina* Blainville, 1832
- Drupa clathrata* Lamarck, 1816
- Drupa grossularia* Röding, 1798
- Drupa morum morum* Röding, 1798
- Drupa (Drupa) ricinus ricinus* Linnaeus, 1758  
and form *arachnoides* Lamarck, 1816
- Drupa rubusidaeus* Röding, 1798
- Drupella cornus* Röding, 1798
- Drupella ochrostoma* Blainville, 1832
- Drupella rugosa* Born, 1778
- Maculotriton serriale* Deshayes, in Labord & Linant, 1834
- Morula (Cronia) margaritcola* Broderip, 1832
- Morula (Cronia) spinosa* H. & A.. Adams, 1853
- Morula biconica* Blainville, 1832

*Morula chaidea* Duclos, 1832  
*Morula ? euracantha* Adams, 1853  
*Morula funiculus* Wood, 1828  
*Morula granulata* Duclos, 1832  
*Morula nodicostata* Pease, 1868  
*Morula nodulifera* Mencke, 1829  
*Morula uva* Röding, 1798  
*Nassa sarta* Bruguiere, 1789  
*Vitularia miliaris* Gmelin, 1791

#### **Ergalataxinae**

*Maculotriton serriale* Deshayes in Laborde and Linant, 1834  
*Muricodrupa stellaris* Hombron & Jacquinot, 1853

#### **Trophoninae**

*Boreotrophon* sp.

#### **Coralliophilidae**

*Coralliophila costularis* Lamarck, 1816  
*Coralliophila neritoidea* Lamarck, 1816  
*Coralliophila pyriformis* Kira, 1959  
*Rapa rapa* Linnaeus, 1758  
*Quoyula madreporarum* Sowerby, 1832

#### **Buccinidae**

##### **Photinae**

*Phos senticosus* Linnaeus, 1758

##### **Pisaniinae**

*Cantharus pulcher* Reeve, 1846  
*Cantharus wagneri* Anton, 1839  
*Cantharus (Pollia) fumosus* Dillwyn, 1817  
*Cantharus (Pollia) undosus* Linnaeus, 1758  
*Cantharus (Prodotia) isotomus* Gray, in Griffith & Pidgeon, 1834  
*Engina alveolata* Kiener, 1836  
*Engina incarnata* Deshayes, in Laborde & Linant, 1834  
*Engina lineata* Reeve, 1848  
*Engina mendicaria* Linnaeus, 1758  
*Engina zatricium* Melvill, 1893  
*Engina zonalis* Lamarck, 1822  
*Appisania crenilabrum* A. Adams, 1853  
*Appisania fasciculata* Reeve, 1848  
*Pisania gracilis* Sowerby, 1859  
*Pisania (Ecmanis) ignea* Gmelin, 1791  
*Pollia mollis* Gould, 1860

#### **Columbellidae**

##### **Columbellinae**

*Nitidella* sp.

##### **Pyreninae**

*Pyrene bidentata* Menke, 1843  
*Pyrene deshayesii* Crosse, 1859  
*Pyrene flava* Bruguiere, 1789  
*Pyrene punctata* Bruguiere, 1789

*Pyrene scripta* Lamarck, 1822  
*Pyrene testudinaria* Link, 1807  
*Pyrene (Columbella) turturina* Lamarck, 1822  
*Aesopus spiculum* Duclos, in Chenu, 1846  
*Dentimitrella vincta* Tate, 1893  
*Mitrella albina* Kierner, 1841  
*Mitrella (Mitrella) eximia* Reeve, 1846  
*Mitrella (Mitrella) marquesa* Gaskoin, 1852  
*Mitrella bicinata* Gould, 1849  
*Mitrella (Graphicomassa) ligula* Duclos, 1840  
*Mitrella* spp.

### **Nasariidae**

#### **Nassariinae**

*Nassarius acuticosta* Montrouzier, 1864  
*Nassarius albescens albescens* Dunker, 1846  
*Nassarius arcularius arcularius* Linnaeus, 1758  
*Nassarius concinnus* Powys, 1835  
*Nassarius dorsatus* Röding, 1798  
*Nassarius distortus* A. Adams, 1852  
*Nassarius echinatus* A. Adams, 1852  
*Nassarius gaudiosus* Hinds, 1844  
*Nassarius (Alectrion) glans glans* Linnaeus, 1758  
*Nassarius graniferus* Kiener, 1834  
*Nassarius horridus* Dunker, 1847  
*Nassarius limnaeiformis* Dunker, 1847  
*Nassarius* cf. *nodiferus* Powys, 1835  
*Nassarius papillosus* Linnaeus, 1758  
*Nassarius pauperatus* Lamarck, 1822  
*Nassarius semiscalcatus* Rousseau, 1854  
*Nassarius (Telasco) shackelfordi* Melvill & Standen 1896  
*Nassarius (Zeuxis) multicosatus* A. Adams, 1852

### **Fascioliariidae**

#### **Fascioliariinae**

*Fasciolaria (Pleuroploca) filamentosa* Röding, 1798

#### **Peristerniinae**

*Peristernia australiensis* Reeve, 1847  
*Peristernia columbarium* Gmelin, 1791  
*Peristernia funiculata* Tapparine -Canefri, 1882  
*Peristernia incarnata* Kiener, 1840  
*Peristernia nassatula* Lamarck, 1822  
*Peristernia ustulata* Reeve, 1847  
*Dolicholaturus lancea* Gmelin, 1791  
*Latirolagena smaragdula* Linnaeus, 1758  
*Latirus amplustris* Dillwyn, 1817  
*Latirus belcheri* Reeve, 1847  
*Latirus craticulatus* Linnaeus, 1758  
*Latirus gibbulus* Gmelin, 1791  
*Latirus irus* Lightfoot, 1786  
*Latirus nodatus* Gmelin, 1791  
*Latirus (Latirulus) noumeensis* Cross, 1870  
*Latirus pictus* Reeve, 1847

*Latirus polygonus* (Gmelin, 1791)  
form *barclayi* Reeve, 1847  
*Latirus turritus* Gmelin, 1791

### **Colubrariinae**

*Colubraria castanea* Kuroda & Habe, 1952  
*Colubraria cumingii* Dohrn, 1861  
*Colubraria mulveyana* Iredale, 1925  
*Colubraria muricata* Lightfoot, 1786  
*Colubraria nitidula* Sowerby, 1833  
*Colubraria ? obscura* Reeve, 1844  
*Colubraria tortuosa* Reeve, 1847  
*Colubraria* sp.

### **Harpidae**

#### **Harpinae**

*Harpa amouretta* Röding, 1798  
*Harpa gracilis* Broderip & Sowerby, 1829

### **Vasidae**

#### **Vasinae**

*Vasum armatum* Broderip, 1833  
*Vasum ceramicum* Linnaeus, 1758  
*Vasum turbinellus* form *cornigerum* Lamarck, 1822

### **Olividae**

#### **Olivinae**

*Oliva andamanensis* Bridgman, 1909  
*Oliva annulata* Gmelin, 1791  
*Oliva carneola* Gmelin, 1791 form *bizonalis* Dautzenberg, 1927  
*Oliva carneola* Gmelin, 1791 form *unizonalis* Dautzenberg, 1927  
*Oliva (Carmione) concavospira* Sowerby, 1914  
*Oliva episcopalis* Lamarck, 1811  
*Oliva miniacea* Röding, 1798 and form *amethystina*  
*Oliva mustellina* Lamarck, 1811  
*Oliva tricolor philantha* Duclos, 1835  
*Oliva (Carmione) reticulata*, Röding 1798  
*Oliva vidua* Röding, 1798

#### **Ancillinae**

*Alcospira edithae* Pritchard & Gabriel, 1898

### **Mitridae**

#### **Mitrinae**

*Mitra ambigua* Swainson, 1829  
*Mitra assimilis* Pease, 1868  
*Mitra aurora floridula* Sowerby, 1874  
*Mitra chrysalis* Reeve, 1844  
*Mitra chrysostoma* Broderip, 1836  
*Mitra cookii* Sowerby, 1874  
*Mitra coronata* Lamarck, 1811  
*Mitra deshayesii* Reeve, 1844  
*Mitra ? eremitarum* Röding, 1798  
*Mitra fulvescens* Broderip, 1836

*Mitra luctuosa* A. Adams, 1853  
*Mitra mitra* Linnaeus, 1758  
*Mitra (Dibaphus) multiplicata* Pease, 1865  
*Mitra nubila nubila* Gmelin, 1791  
*Mitra (Mitra) erimitarum* Röding, 1798  
*Mitra (Mitra) imperialis* Röding, 1798  
*Mitra (Mitra) ustulata* Reeve, 1811  
*Mitra stictica* Link, 1807  
*Mitra tabanula* Lamarck, 1811  
*Mitra (Nebularia) aurantia aurantia* Gmelin, 1791  
*Mitra (Nebularia) contracta* Swainson, 1820  
*Mitra (Nebularia) coronata* Lamarck, 1811  
*Mitra (Nebularia) cucumerina* Lamarck, 1811  
*Mitra (Nebularia) doliolum* Kuster, 1839  
*Mitra (Nebularia) ferruginea* Lamarck, 1811  
*Mitra (Nebularia) fraga* Quoy & Gaimard, 1833  
*Mitra (Nebularia) lugubris* Swainson, 1821  
*Mitra (Nebularia) rubritincta* Reeve, 1844  
*Mitra (Nebularia) sowerbeyi kingae* Cernohorsky, 1972  
*Mitra (Strigatella) assimilis* Pease, 1868  
*Mitra (Strigatella) fastigium* Reeve, 1845  
*Mitra (Strigatella) litterata* Lamarck, 1811  
*Mitra (Strigatella) paupercula* Linnaeus, 1758  
*Mitra (Strigatella) pellisserpentis* Reeve, 1844  
*Mitra (Strigatella) pica* Dillwyn, 1817  
*Mitra (Strigatella) retusa* Lamarck, 1811  
*Mitra (Strigatella) scutulata* Gmelin, 1791  
*Mitra (Strigatella) telescopium* Reeve, 1844  
*Mitra (Strigatella) ticaonica* Reeve, 1844

#### **Cylindromitrinae**

*Pterygia crenulata* Gmelin, 1791  
*Pterygia dactylus* Linnaeus, 1767  
*Pterygia nucea* Gmelin, 1791  
*Pterygia scabricula* Linnaeus, 1758

#### **Imbricariinae**

*Imbricaria conularis* Lamarck, 1811  
*Imbricaria olivaeformis* Swainson, 1821  
*Imbricaria punctata* Swainson, 1821  
*Scabricola (Swainsonia) fusca* Swainson, 1824  
*Cancilla (Domiporta) citharoidea* Dohrn, 1862  
*Cancilla (Domiporta) filaris* Linnaeus, 1771  
*Neocancilla papilio* Link, 1807

#### **Costellariidae**

*Vexillum affinis* Reeve, 1844  
*Vexillum anthracina* Reeve, 1844  
*Vexillum cophinum* Gould, 1850  
*Vexillum crocatum* Lamarck, 1811  
*Vexillum cruentatum* Gmelin, 1791  
*Vexillum formosense* Sowerby, 1890  
*Vexillum funereum* Reeve, 1844  
*Vexillum plicarium* Linnaeus, 1758

*Vexillum porphyreticum* Reeve, 1844  
*Vexillum unifasciatum* Wood, 1828  
*Vexillum vulpecula* Linnaeus, 1758  
*Vexillum (Costellaria) accuminatum* Gmelin, 1791  
*Vexillum (Costellaria) cadaverosum* Reeve, 1844  
*Vexillum (Costellaria) coronatum* Helbing, 1779  
*Vexillum (Costellaria) daedalum* Reeve, 1845  
*Vexillum (Costellaria) discoloratum* Reeve, 1845  
*Vexillum (Costellaria) exaratum* A. Adams, 1855  
*Vexillum (Costellaria) exasperatum* Gmelin, 1791  
*Vexillum (Costellaria) fuscoapictatum* E.A. Smith, 1855  
*Vexillum (Costellaria) granosum* Gmelin, 1791  
*Vexillum (Costellaria) ligatum* H. & A. Adams, 1953  
*Vexillum (Costellaria) lucidum* Reeve, 1845  
*Vexillum (Costellaria) pacificum* Reeve, 1845  
*Vexillum (Costellaria) radix* Sowerby, 1874  
*Vexillum (Costellaria) semifasciatum* Lamarck, 1811  
*Vexillum (Costellaria) zelotypum* Reeve, 1845  
*Vexillum (Pusia) cancellarioides* Anton, 1838  
*Vexillum (Pusia) cavea* Reeve, 1844  
*Vexillum (Pusia) consanguinea* Reeve, 1845  
*Vexillum (Pusia) leucodesmum* Reeve, 1845  
*Vexillum (Pusia) luculentum* Reeve, 1845  
*Vexillum (Pusia) microzonias* Lamarck, 1811  
*Vexillum (Pusia) millecostatum* Broderip, 1836  
*Vexillum (Pusia) rubrum* Broderip, 1836  
*Vexillum (Pusia) sauvis* Sowerby, 1875  
*Vexillum (Pusia) semicostatum* Anton, 1838  
*Vexillum (Pusia) speciosum* Reeve, 1844  
*Vexillum (Pusia) turben* Reeve, 1844  
*Vexillum (Pusia) unifascialis* Lamarck, 1811

### **Cancellarioidea**

#### **Cancellariinae**

*Trigonostoma bicolor* Hinds, 1843  
*Trigonostoma scalarina* Lamarck, 1822

### **Conoidea**

#### **Conidae**

*Conus ammiralis* Linnaeus, 1758  
*Conus arenatus* Hwass, 1792  
*Conus artroptus* Sowerby, 1833  
*Conus aulicus* Linnaeus, 1758  
*Conus aureus* Hwass, 1792  
*Conus auricomus* Hwass in Bruguiere, 1792  
*Conus balteatus* Sowerby, 1833  
*Conus boeticus* Reeve, 1844  
*Conus bullatus* Linnaeus, 1758  
*Conus capitaneus* Linnaeus, 1758  
*Conus catus* Hwass, 1792  
*Conus coelinae* Crosse, 1858  
*Conus coffeae* Gmelin, 1791  
*Conus connectens* A. Adams, 1855  
*Conus circumcissus* Born, 1778



*Conus coccineus* Gmelin, 1791  
*Conus chaldaeus* Röding, 1798  
*Conus coronatus* Gmelin, 1791  
*Conus cylandraceus* Broderip & Sowerby I, 1830  
*Conus distans* Hwass, 1792  
*Conus ebraeus* Linnaeus, 1758  
*Conus eburneus* Hwass, 1792  
*Conus emaciatus* Reeve, 1849  
*Conus flavidus* Lamarck, 1810  
*Conus frigidus* Reeve, 1848  
*Conus generalis* Linnaeus, 1767  
*Conus geographus* Linnaeus, 1758  
*Conus glans* Hwass, 1792  
*Conus granum* Röckel & Fischoder, 1985  
*Conus imperialis* Linnaeus, 1758  
*Conus legatus* Lamarck, 1810  
*Conus leopardus* Röding, 1798  
*Conus litoglyphus* Hwass, 1792  
*Conus litteratus* Linnaeus, 1758  
*Conus lividus* Hwass, 1792  
*Conus luteus* Sowerby, 1833  
*Conus magus* Linnaeus, 1758  
*Conus marmoreus* Linnaeus, 1758  
*Conus marmoreus*, form *vidua* Reeve, 1845  
     and form *psuedomcrosse*  
*Conus miles* Linnaeus, 1758  
*Conus miliaris* Hwass, 1792  
*Conus mitratus* Hwass, 1792  
*Conus moreleti* Cross, 1858  
*Conus muriculatus* Sowerby, 1833  
*Conus musicus* Hwass, 1792  
*Conus mustelinus* Hwass, 1792  
*Conus nussatella* Linnaeus, 1758  
*Conus obscuris* Sowerby I, 1833  
*Conus omaria* Hwass, 1792  
*Conus parvulus* Link, 1807  
*Conus pertusus* Hwass, 1792  
*Conus planorbis* Born, 1778  
*Conus proximus* Sowerby II, 1859  
*Conus pulicarius* Hwass, 1792  
*Conus quercinus* Lightfoot, 1786  
*Conus ranunculus* Hwass, 1792  
*Conus rattus* Hwass, 1792  
*Conus sanguinolentus* Quoy & Gaimard, 1832  
*Conus sponsalis* Hwass, 1792 (syn.: *Conus nanus* Sowerby, 1822)  
*Conus striatellus*, Link, 1807  
*Conus striatus* Linnaeus, 1758  
*Conus sugillatus* I Reeve, 1844  
*Conus tenuistriatus* G.B Sowerby II, 1857-58  
*Conus terebra* Born, 1778  
*Conus textile* Linnaeus, 1758  
*Conus tulipa* Linnaeus, 1758  
*Conus varius* Linnaeus, 1758  
*Conus vexillum* Gmelin, 1791

*Conus virgo* Linnaeus, 1758  
*Conus vitulinus* Hwass, 1792

### **Turridae**

#### **Drillinae**

*Austrodrillia (Regidrillia) secunda* Powell, 1965  
*Clavus unizonalis* Lamarck, 1822  
*Clavus vidus* Reeve, 1843

#### **Turrinae**

*Turris crispa crispa* Lamarck, 1822  
*Turris cryptorrhaphe* Sowerby, 1825  
*Turris garsonii* Reeve, 1843  
*Turris spectabilis* Reeve, 1843  
*Turridrupa bijubata* Reeve, 1843  
*Lophiotoma albina* Lamarck, 1822  
*Lophiotoma acuta* Perry, 1811  
*Xenuroturris cingulifera cingulifera* Lamarck, 1822  
*Xenuroturris kingae* Powell, 1964

#### **Daphnellinae**

*Daphnella botanica* Hedly, 1918

### **Terebridae**

*Terebra areolata* Linnaeus, 1767  
*Terebra affinis* Gray, 1834  
*Terebra areolata* Link, 1807  
*Terebra argus* Hinds, 1844  
*Terebra babylonia* Lamarck, 1822  
*Terebra chlorata* Lamarck, 1822  
*Terebra cingulifera* Lamarck, 1822  
*Terebra dimidiata* Linnaeus, 1758  
*Terebra felina* Dillwyn, 1817  
*Terebra guttata* Röding, 1798  
*Terebra laevigata* Gray, 1834  
*Terebra maculata* Linnaeus, 1758  
*Terebra punctatostriata* Gray, 1834  
*Terebra subulata* Linnaeus, 1767  
*Terebra succinea* Hinds, 1844  
*Duplicaria baileyi* Bratcher & Cernohorsky, 1982  
*Hastula albula* Menke, 1843

## **SUB-CLASS Heterobranchia**

### **SUB-ORDER Allogastropoda**

#### **Architectonicoidea**

##### **Architectonicidae**

##### **Architectonicinae**

*Philippia radiata* Röding, 1798  
*Philippia (Psilaxis) oxytrope* A. Adams, 1854  
*Heliacus dorsuosus* Hinds, 1844  
*Heliacus variegatus* Gmelin, 1791

**Pyramidelloidea**

**Pyramidellidae**

**Pyramidillinae**

*Pyramidella acus* Gmelin, 1791

*Pyramidella sulcata* A. Adams, 1854

*Pyramidella teres* A. Adams, 1855

*Pyramidella* spp.

*Otopleura mitralis* A. Adams, 1855

**SUB-CLASS Opisthbranchia**

**ORDER Cephalaspidea**

**Philinoidea**

**Actaeonidae**

*Acteon virigatus* Reeve, 1842

*Pupa nitidula* Lamarck, 1816

*Pupa sulcata* Gmelin, 1791

**Bullidae**

*Bulla ampulla* Linnaeus, 1758

*Bulla vernicosa* Gould, 1859

**Hamineidae**

**Hamineinae**

*Atys (Aliculastrum) cylindricus* Helbling, 1779

**Hydatinidae**

*Hydatina (Aplustrum) apulstre* Linnaeus, 1758

*Hydatina physis* Linnaeus, 1758

**SUB-CLASS Pulmonata**

**ORDER Archaeopulmonata**

**Ellobioidea**

**Ellobiidae**

**Melampinae**

*Melampus fasciatus* Deshayes, 1830

*Melampus flavus* Gmelin, 1791

*Melampus luteus* Quoy & Gaimard, 1832

*Melampus* sp.

**Siphonarioidea**

**Siphonariidae**

*Siphonaria atra* Quoy & Gaimard, 1833

*Siphonaria denticulata* Quoy & Gaimard, 1833

*Siphonaria javanica* Lamarck, 1819

*Siphonaria subatra* Pilsbry, 1894

*Siphonaria laciniosa* Linnaeus, 1758  
*Trimusculus reticulatus* Sowerby, 1835

## CLASS CEPHALOPODA

### **Nautiloidea**

#### **Nautilidae**

*Nautilus pompilius* Linnaeus, 1758

#### **Spirulidae**

*Spirula spirula* Linnaeus, 1758

## CLASS BIVALVIA

### SUB-CLASS Pteriomorphia

#### ORDER Arcoidea

##### **Arcoidea**

##### **Arcidae**

##### **Arcinae**

*Arca avella* Lamarck, 1819

*Arca plicatum* Dillwyn,

*Arca ventricosa* Lamarck, 1819

*Barbatia barbata* Linnaeus, 1758

*Barbatia (Acar)? congenita* E.A. Smith, 1855

*Barbatia (Acar)* sp.

*Barbatia amygdalumtostum* Röding, 1798

*Barbatia foliata* Forsskal, 1775

*Barbatia lacerata* Linnaeus, 1758

*Barbatia velata* Sowerby, 1843

*Barbatia* spp.

##### **Anadarinae**

*Anadara antiquata* Linnaeus, 1758

*Andara scapha* Linnaeus, 1758

#### ORDER Limopsoidea

##### **Glycymerididae**

*Glycymeris (Glycymeris) reevei* Mayer, 1868

*Tucetona pectunculus* Linnaeus, 1758

#### ORDER Mytiloidea

##### **Mytiloidea**

##### **Mytilidae**

##### **Mytilinae**

*Septifer bilocularis* Linnaeus, 1758

*Septifer excisus* Wiegmann, 1837

**Modiolinae**

*Modiolus auriculatus* Krauss, 1848

*Modiolus philippinarum* Hanley, 1843

**Lithophaginae**

*Lithophaga nigra* Orbigny, 1842

*Lithophaga teres* Philippi, 1846

*Lithophaga* sp.

**ORDER Pterioidea**

**SUB-ORDER Pteriina**

**Pterioidea**

**Pteriidae**

*Pinctada fucata martensii* Dunker

*Pinctada margaritifera* Linnaeus, 1758

*Pteria avicula* Holten, 1802

*Pteria crocea* Lamarck, 1819

*Pteria penguin* Röding, 1798

*Pinctada* spp.

**Malleidae (Vulsellidae)**

*Vulsella vulsella* Linnaeus, 1758

*Vulsella vulsella* form *linguata* Lamarck, 1801

**Isognomonidae**

*Isognomon isognomum* Linnaeus, 1758

*Isognomon perna* Linnaeus, 1767

**SUB-ORDER Pinnina**

**Pinnoidea**

**Pinnidae**

*Pinna muricata* Linnaeus, 1758

*Atrina pectinata pectinata* Linnaeus, 1767

*Atrina (Atrina)? tasmanica* Tenison-Woods, 1876

*Streptopinna saccata* Linnaeus, 1758

**ORDER Limoida**

**Limoidea**

**Limidae**

*Lima basilanica* Adams & Reeve, 1850

*Lima lima vulgaris* Link, 1807

*Lima scabra* form *glacialis* Gmelin, 1791

*Lima (Ctenoides) ales* Finlay, 1927

*Lima (Ctenoides) annulata* Lamarck, 1819

*Limaria fragilis* Gmelin, 1791

*Lima (Ctenoides)* sp. aff. *C. concentrica* Sowerby, 1888

**ORDER Ostreoida**

**SUB-ORDER Ostreina**

**Ostreoidea**

**Ostreidae**

**Ostreinae**

*Lopha cristagalli*, form *folium* Linnaeus, 1758

*Lopha hyotis* Linnaeus, 1758

*Alectryonella crenulifera* Sowerby, 1871

**Lophinae**

*Hytissa* sp.

**Plicatuloidea**

**Plicatulidae**

**Plicatulinae**

*Plicatula plicata* Linnaeus, 1758

*Plicatula* sp.

**SUB-ORDER Pectinina**

**Pectinoidea**

**Pectinidae**

**Chlamydinae**

*Chlamys perfecta* Melville, 1909

*Laevichlamys coruscans coruscans* Hinds, 1845

*Laevichlamys squamosa* Gmelin, 1791

*Laevichlamys wilhelminae* Bavay, 1904

*Mirapecten rastellum* Lamarck, 1819

*Mirapecten mirificus* Reeve, 1853

**Pectininae**

*Decatopecten nodifera* Sowerby, 1842

*Comptopallium radula* Linnaeus, 1758

*Gloriapallium speciosum* Reeve, 1853

*Gloriapallium pallium* Linnaeus, 1758

*Semipallium coruscans* Hinds, 1845

*Semipallium diana* Crandall, 1979

*Semipallium kengaluorum* Dijkstra, 1986

*Semipallium tigris* Lamarck, 1819

*Exellichlamys spectabilis* Reeve, 1853

spp.

**Spondylidae**

**Spondylinae**

*Spondylus aurantius versicolor* Lamarck, 1819

*Spondylus barbatus cruentus* Lischke, 1868

*Spondylus candidus* Lamarck, 1819

*Spondylus cuneus* Reeve, 1856

*Spondylus flabellum* Reeve, 1856

*Spondylus isotoma* Conrad, 1837

*Spondylus lingefelis* Sowerby, 1847  
and form *aspermus* Sowerby, 1847  
*Spondylus nicobaricus* Schreibers, 1793  
*Spondylus pacifica* Broderip, 1834  
*Spondylus regius* Linnaeus, 1758  
*Spondylus sanguineus* Dunker, 1852  
*Spondylus sinensis* Schreibers, 1793  
*Spondylus squamosus* Schreibers, 1793  
*Spondylus versicolor* Schreibers, 1793  
*Spondylus varius* Sowerby, 1829  
*Spondylus* spp.

**Anomiidae**

*Placuna sella* Gmelin, 1791

**SUB-CLASS Heterodonta**

**ORDER Veneroida**

**Lucinoidea**

**Lucinidae**

**Lucininae**

*Codakia punctata* Linnaeus, 1758

*Codakia tigerina* Linnaeus, 1758

*Ctena bella* Conrad, 1834

*Ctena delicatula* Pilsbry,

*Ctena divergens* Philippi, 1850

**Milthinae**

*Anodontia edentula* Linnaeus, 1758

**Fimbriidae**

*Fimbria fimbriata* Linnaeus, 1758

**Chamoidea**

**Chamidae**

**Chaminae**

*Chama brassica* Reeve, 1846

*Chama imbricata* Broderip, 1835

*Chama isotoma* Conrad, 1837

*Chama limbula* Lamarck, 1819

*Chama lazarus* Linnaeus, 1758

*Chama pacifica* Broderip, 1835

**Carditoidea**

**Carditidae**

**Carditinae**

*Cardita variegata* Bruguiere, 1792

*Cardita crassica* Lamarck, 1879

## **Cardioidea**

### **Cardiidae**

#### **Fraginae**

*Fragum fragum* Linnaeus, 1758

*Fragum unedo* Linnaeus, 1758

*Fragum (Fragum) scruposum* Deshayes, 1855

*Fragum* spp.

*Ctenocardia (Ctenocardia) fornicata* Sowerby, 1840

*Ctenocardia* sp.

#### **Protocardiinae**

*Nemocardium (Lyrocardium) lyratum* Sowerby, 1840

#### **Trachycardiinae**

*Trachycardium angulatum* Lamarck, 1819

*Trachycardium elongatum* Bruguiere, 1789

*Trachycardium flavum* Linnaeus, 1758

*Trachycardium orbitum* Sowerby, 1833

*Trachycardium oxygenum* Sowerby, 1840

*Trachycardium pectunculus* Linnaeus, 1748

*Trachycardium transcendens* Melvill & Standen, 1899

*Vasticardium burchardi* Dunker, 1877

*Fuliva australis* Sowerby, 1841

*Acrosterigma wilsoni* Voskuil & Onverwagt, 1990

## **Tridacnoidea**

### **Tridacnidae**

*Tridacna crocea* Lamarck, 1819

*Tridacna derasa* Röding, 1798

*Tridacana squamosa* Lamarck, 1819

*Hippopus hippopus* Linnaeus, 1758

## **Mactroidea**

### **Mactridae**

spp.

### **Mesodesmatidae**

*Atactodea striata* Gmelin, 1791

## **Tellinoidea**

### **Tellinidae**

#### **Tellininae**

*Tellina (Scutarcopagia) scobinata* Linnaeus, 1758

*Tellina bougei* Sowerby, 1909

*Tellina gargadia* Linnaeus, 1758

*Tellina linguafelis* Linnaeus, 1758

*Tellina (Macomona) margaritina* Lamarck, 1818

*Tellina (Tellinella) crucigera* Lamarck, 1818

*Tellina (Tellinella) virgata* Linnaeus, 1758

*Tellina (Tellinella) staurella* Lamarck, 1818

*Tellina (Tellinella) verrucosa* Hanley, 1844

*Tellina (Pharaonella) perna* Spengler, 1798



*Tellina (Pharaonella) pharaonis* Henly, 1844  
*Tellina (Pharaonella) rostrata* Linnaeus, 1758  
*Tellina (Pharaonella) tongana* Quoy & Gaimard, 1835  
*Tellina (Quidnipagus) palatam* Iredale, 1929  
*Tellina (Hemimetus) angulata* Gmelin, 1791  
*Tellina (Arcopagia) remies* Linnaeus, 1758  
*Tellina (Cyclotellina) carnicolor* Hanley, 1844  
*Tellina exculta* Gould, 1850

### **Psammobiidae**

#### **Psammobiinae**

*Asaphis violascens* Forsskal, 1775  
*Gari (Grammatomya) squamosa* Lamarck, 1818  
*Gari (Gari) amethystus* Wood, 1815  
*Gari (Gari) maculosa* Lamarck, 1818

### **Donacidae**

#### **Donacinae**

*Donax cuneatus* Linnaeus, 1758  
*Donax faba* Gmelin, 1791

### **Arcticoidea**

#### **Trapezidae**

*Trapezium bicarinatum* Schumacher, 1817  
*Trapezium (Glossocardia) obesa* Reeve, 1843  
*Trapezium sowerbyi* Hidalgo, 1903

### **Veneroidea**

#### **Veneridae**

##### **Venerinae**

*Antigona (Periglypta) clathrata* Deshayes, 1853  
*Antigona (Periglypta) puerpera* Linnaeus, 1771  
*Antigona (Periglypta) resticulata* Sowerby, 1853  
*Antigona (Periglypta) reticulata* Linnaeus, 1758  
*Globivenus toreuma* Gould, 1850  
*Globivenus capricornea* Hedley, 1908

##### **Circinae**

*Circe* sp.  
*Gafrarium divaricatum* Gmelin, 1791  
*Gafrarium equivocum* Holten, 1802  
*Gafrarium menke* Jonas, 1846  
*Gafrarium tumidum* Röding, 1798

##### **Chioninae**

*Tawera lagopus* Lamarck, 1818  
*Tawera subnodulosum* Hanley, 1844  
*Timoclea (Glycydonta) marica* Linnaeus, 1758

##### **Pitarinae**

*Pitar (Pitarina) nancyae* Lamprell & Whitehead, 1990

*Pitar (Pitarina) pellucidus* Lamarck, 1818  
*Pitar (Pitarina) spoori* Lamprell & Whitehead, 1990  
*Pitar* spp.  
*Lioconcha annettae* Lamprell & Whitehead, 1990  
*Lioconcha castrensis* Linnaeus, 1758  
*Lioconcha hieroglyphica* Conrad, 1837  
*Lioconcha lorenziana* Dillwyn, 1817  
*Lioconcha ornata* Dillwyn, 1817  
*Lioconcha fastigiata* Sowerby, 1851

**Samaranginae**

*Samarangia quadrangularis* Adams & Reeve, 1850

**Tapetinae**

*Tapes litteratus* Linnaeus, 1758  
*Marcia opima* Gmelin, 1791  
*Irus (Irus) irus* Linnaeus, 1758

**Dosiniinae**

*Dosinia histrio* Gmelin, 1791  
*Dosinia* sp.

**Pholadoidea**

**Pholadinae**

*Barnea manilensis* Phillippi

**NOTE:** The classifications were taken from A Classification of The Living Mollusca, Kay Cunningham Vaught, edited by R. Tucker Abbott and Kenneth J. Boss, published by American Malacologists, Inc. 1989. All of the specimens were collected on The Great Astrolabe Reef and identified by Joan F. Koven with the assistance of Peg Carpenter, Raye German, Alan J. Kohn, Gustav Paulay, P. Pinkerton, Nicole Poulton, Harald Rehder, Thomas Waller and Breckinridge Willcox.