

## Mollusca of New Caledonia

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The first record of a land mollusc (*Placostylus fibratus* (Martyn, 1789)) from New Caledonia can unequivocally be traced to the voyage of Cook that discovered the island in 1774. By contrast, the marine molluscs of New Caledonia ironically remained out of reach to European natural history cabinets until well into the 19th century. New Caledonia remained untouched by the circum-navigating expeditions of the 1830-1840s onboard, e.g., the *Astrolabe*, the *Zélée* or the *Uranie*. Seashells may have been collected in New Caledonia by whalers and other merchants in search of sandalwood or bêche-de-mer, and then traded, but by the time they reached European conchologists, all indication of their geographical origin had faded away. It is impossible to tell whether Indo-West Pacific species originally described from localities such as «Mers du Sud» or «Southern Seas» were originally collected in, e.g., Fiji, Tahiti, Australia or New Caledonia. However, even if New Caledonian shells may have arrived on the European market or in cabinets, it must have been in very small amount, as such an emblematic species of the New Caledonia molluscan fauna as *Nautilus macromphalus* was not named until 1859. In fact, it was not until Xavier Montrouzier set foot in New Caledonia that the island was placed on the map of marine conchology. From there on, three major periods can be recognized in the history of New Caledonia marine malacology.

### The era of the missionaries: a hotspot of discoveries

Xavier Montrouzier was a catholic priest, the first of a remarkable group of missionaries that pioneered the exploration of the New Caledonia marine and non-marine biota. First settled in 1847 at Balade on the north-east coast of the main island, Montrouzier later moved to Art, in the Belep Islands, just north of New Caledonia, where he collected not only shells but also plants and insects. To break his isolation, he linked with Souverbie, the director of the Natural History Museum of Bordeaux. Between 1850 and 1879, their fruitful collaboration generated no less than 27 papers published in *Journal de Conchyliologie*, containing the descriptions of some 200 land and fresh-water molluscs, often illustrated with exquisite, hand-painted colour plates. Montrouzier's example was followed by more marist fathers, among others Pierre Lambert, Benjamin Goubin, Pierre Rougeyron and Lubin Gaide. Based on their collects, Jean Hervier, procurator at the Service des Missions d'Océanie, in France, published between 1896 and 1899, also in *Journal de Conchyliologie*, a dozen papers on selected gastropod families (Turridae, Mitridae, Columbelloidea and Triphoridae). After Hervier, the catholic connection continued through Goubin, missionary at Gaitcha (Lifou) between 1878 and 1913, with specimens ending up in the collection of Paris-based Philippe Dautzenberg. The catholic-protestant religious rivalry in Lifou was echoed by a malacology rivalry. James and Emma Hadfield, of the London Missionary Society, based at Chépénéhé (Lifou), started to send their collects to James Cosmo Melvill and Robert Standen in Great Britain, and were the source of their series of papers in *Journal of Conchology* (1895-1897, 1899).

In parallel with the achievements of the missionaries, it would be unfair not to highlight the work of another category of local collectors. When the city of Nouméa was founded and the convict settlement was established, more amateur naturalists emerged from among government officers, the military or traders, among whom Edouard-Auguste Marie. The center of their collecting activity was rather the southern part of the west coast of New Caledonia (Bay of St Vincent; Baie du Sud [now Baie de Prony]; Nou I.). Specimens reached Hippolyte Crosse in Paris and nearly every issue of the *Journal de Conchyliologie* between 1858 and 1898 contained a paper by him on New Caledonia molluscs.

Overall the results of this zealous collecting by missionaries and government administrators was a golden age for the malacology of New Caledonia. From a blank on the map in 1850 to the epoch-making papers by Crosse, Hervier and Melvill & Standen, so much was accomplished that Henri Fischer argued in 1901 that «Our colleagues abroad recognize that the mollusc fauna of New Caledonia and its dependencies is currently the best known region among the whole of Oceania». Goubin passed away in Nathalo (Lifou) in 1916, and this was the end of the fecund line of missionaries-malacologists.

### **Backwater again**

By contrast, comparatively little happened in the following decades, but the work of Jean Risbec definitely makes an exception and represents a shift in scientific practice. Until then, New Caledonia-based collectors were sending their material to European erudites who never set foot in New Caledonia. Jean Risbec was teaching maths at Lycée Lapeyrouse in Nouméa and studied nudibranchs during his spare time, for which he was awarded a doctorate at the Sorbonne (Risbec 1928). The change in scientific practice is also exemplified by a shift from conchology (the missionary era) to malacology and biology. Risbec stayed in Nouméa until the early 1950s and published some 30 papers dealing with the anatomy and biology of intertidal and shallow subtidal molluscs. Risbec also established contacts with French and Australian zoologists, notably Pruvot-Fol and Bassett-Hull, who appear to have been the first non-resident malacologists collecting their own material New Caledonia; Pruvot-Fol collected nudibranchs at Ile des Pins in the late 1920s (see Pruvot-Fol 1930) and Bassett-Hull appears to have collected at Lifou and on Grande-Terre in the 1930s material that was published by Iredale (Iredale 1940).

### **Modern times**

Modern times in the history of malacology in New Caledonia can be rather precisely dated to 1978, the year the *Association Conchyliologique de Nouvelle-Calédonie* was founded, or to 1984, the year Bertrand Richer de Forges started his explorations of the marine fauna of New Caledonia. The cradle of the foundation of the *Association* was the furor for the melanistic cowries of New Caledonia (Pierson & Pierson 1975, Chatenay 1977) The society launched the journal *Rossiniana*, which steered away from the description of new species, but published new records in the collectable families and promoted amateur expertise in such families as the cones (Estival 1981) or the miters (Arnaud *et al.* 2002).

Academic exploration first focussed on deep water, with a series of dredging and trawling expeditions, essentially using Nouméa-based research vessels (*Vauban*, *Coriolis*, and later *Alis*) and occasionally also larger research vessels on temporary assignment to the South Pacific (*Jean-Charcot*, *Suroit*, *Cyana*). The saga of what has been called the «MUSORSTOM expeditions» is told by Bertrand Richer de Forges elsewhere. These 20 years were another golden age for marine zoological exploration in general, and malacology in particular. Our MNHN team has been involved closely in the work at sea, in the processing and sorting of the material, in coordinating a network of professional and non-professional taxonomists, and in editing the resulting publications. The results, which read like a Who's Who in the world of marine molluscan taxonomy, have appeared in several volumes of the *Résultats des Campagnes MUSORSTOM*, later *Tropical Deep-Sea Benthos* specially dedicated to molluscs (Crosnier & Bouchet 1991, Bouchet 1995, Bouchet & Marshall 2001), as well as in numerous articles in malacological and other journals (e.g., Geiger, 2006; Hadorn & Fraussen, 2005; Kool, 2004; Snyder & Bouchet, 2006; Vilvens & Heros, 2006; Valdes 2002). The coral reefs and other coastal environments were the subject of intensive sampling specifically for molluscs at three sites: Koumac (west coast), Touho (east coast), and Lifou (Loyalty Islands), each representing some 500 day-persons in the field and the collecting and sorting of over 100,000 specimens. These

expeditions generated new knowledge on the composition and taxonomic identity of the marine molluscs of New Caledonia (e.g., Rudman, 1995; Boyer, 2003; Garcia, 2004; Taylor & Glover, 2005; Vilvens & Heros, 2005) and, perhaps more importantly, changed our perception of the magnitude of tropical molluscan species richness (Bouchet *et al.*, 2002).

### **Conclusion and Perspectives**

One hundred years after Henri Fischer's statement on the quality of the New Caledonia mollusc inventory, it can safely be affirmed that, as a result of the recent sampling programs, both in shallow and in deep-water, no other South Pacific island group has been so intensively surveyed as New Caledonia. However, the question «How many species?» still remains unanswered.

One lesson from the Koumac-Touho-Lifou study is that a 5-30,000 hectares coastal site in New Caledonia has in the order of 2,600-3,100 species of molluscs, and extrapolations from the cumulation curve indicate a range of 3,200-4,000 species potentially present at each site. Despite the intensity of the collecting effort, 28.5% of the species are represented only by empty shells, suggesting that the real richness of many soft-bodied marine taxa is probably underestimated in many surveys. Even more unexpectedly spatial heterogeneity is high, with only 21% of the total species shared by all three sites. This reflects the inaccuracy of any other survey of small benthic invertebrates. The second lesson is that most species are rare and small: at the Koumac site, 20% are represented by single specimens, and 48% are represented by five specimens or less. One-third has an adult size smaller than 4 mm, and macromolluscs larger than 40 mm account for only 8% of the total fauna. «Specialist» families are the most speciose, with the «Turridae» s.l. (ca. 280 species per site), Triphoridae (170), Eulimidae (140), Pyramidellidae (120) and Cerithiopsidae (100) together accounting for 37% of gastropod richness. The most speciose bivalve families are the Galeommatidae s.l. (ca. 60 species per site), Veneridae and Tellinidae (50 each). If we stretch our neck from these results (see discussion below, under the introduction to the checklist itself), it seems reasonable to speculate that the coral reefs (s.l.) of New Caledonia are probably home to 8-10,000 species of marine molluscs.

A still more intimidating picture emerges when the deep-sea component is brought into consideration. The shallow-water (i.e. from less than 100 meters) turrids from Koumac-Touho-Lifou represent a cumulated total of 504 species actually documented, and an estimated actual total of 690 species. However, examination of the complete dataset from 0 to 3,700 m has revealed a shocking 1,726 turrid species actually documented, with Jack2 estimator placing the actual number as high as 3,058 species (Bouchet, Sysoev & Lozouet, 2004).

Admittedly, turrids are especially diversified in the deep sea and, based on our dataset, it would probably not be appropriate to extrapolate that the deep-sea mollusc fauna of New Caledonia is 2.5 times as rich as its shallow-water fauna. However, our sampling is barely adequate only for the 200-1,200 m range, and very inadequate below 1,500 meters. Even within the 200-1,200 m interval, and even in areas that have already been sampled, every new cruise returns with species not collected before. All in all, the magnitude of the richness of the marine mollusc fauna of New Caledonia is probably in the order of 30-40,000 species. Of these, maybe 60% have now been collected at least once, 7-8% have been recorded in the literature at least once (under a correct or incorrect name) and 50-80% are undecided.

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## CHECKLIST OF SPECIES

Although there is a considerably historical body of literature on the marine molluscs of New Caledonia, many of the historical records cannot be used uncritically and this for several reasons: (1) The original identification may have been correct or incorrect; (2) the name then used may now be known to represent a species complex; (3) The original locality («New Caledonia») may or may not have been correct; (4) New species originally described from New Caledonia have often not been re-examined critically for decades, and their current status (valid, synonym) is not known. For all these reasons, the list presented below contains only those records based on material issued from the recent sampling programs, with accurate locality data, and vouchered (mostly in MNHN).

Four categories of taxa can be recognized.

A. There are 1,366 species in families (e.g., Mitridae, Terebridae, Pectinidae, Scaphopoda) that are considered to have been accurately sampled in New Caledonia, with species identified by specialists, and thus based on the state-of-the-art of molluscan taxonomy

B. The endnotes attached to the list record 1,822 morphospecies in families (e.g., Eulimidae, «Turridae», Triphoridae) where the material from the Koumac, Touho and Lifou sites have been entirely processed to morphospecies. (Some of these may have been identified to species level, but the identified species represent only a fraction of the total morphospecies).

C. The endnotes attached to the list record 868 morphospecies in families (e.g., Rissoidae, Mytilidae) where only the material from Koumac has been processed to morphospecies. (Some of these may have been identified to species level, but the identified species represent only a fraction of the total morphospecies). Considering that Koumac has 55% of the species present in the 3 sites combined, this indicates that another 710 has been collected but have not been fully recognized yet.

D. Jack2 estimates of the complete turrid dataset from 0-100 meters suggest that the real species richness is 37% higher than actually measured. If applied to the total (A+B+C) above, this suggests that another 1,763 species is present in New Caledonia but has not been collected yet.

The total A + B + C + D suggests that at least 6,529 mollusc species live in New Caledonia in the 0-100 meters range. Considering that most of these results and extrapolations are based essentially on the Koumac, Touho, and Lifou sites and considering that the southernmost part of the New Caledonia reefs, from Nouméa to Ile des Pins, are known to have a significantly different fauna and flora (C. Payri and B. Richer de Forges, com. pers.), then it is not unreasonable to speculate that the coral reefs (s.l.) of New Caledonia are probably home to 8-10,000 species of marine molluscs.

## GASTROPODA

**PATELLIDAE** Rafinesque, 1815 No recent review or update. 3 morphospecies present in the Koumac site.

**NACELLIDAE** Thiele, 1891 No recent review or update. 4 morphospecies present in the Koumac site.

**LEPETIDAE** Gray, 1850 No recent review or update. 1 morphospecies present in the Koumac site.

**ATAPHRIDAE** Cossmann, 1915 No recent review or update. 5 morphospecies present in the Koumac, Touho and Lifou sites.

**FISSURELLIDAE** Fleming, 1822 No recent review or update. 51 morphospecies present in the Koumac, Touho and Lifou sites.

*Submarginula lamberti* Souverbie, 1875

**HALIOTIDAE** Rafinesque, 1815 D. Geiger com. pers.

*Haliotis asinina* Linnaeus, 1758

*Haliotis clathrata* Reeve, 1846

*Haliotis dissona* (Iredale, 1929)

*Haliotis cf dissona* (Iredale, 1929)

*Haliotis cf diversicolor* Reeve, 1846

*Haliotis dohrniana* Dunker, 1863

*Haliotis jacnensis* Reeve, 1846

*Haliotis ovina* Gmelin, 1791

*Haliotis varia* Linné, 1758

**SCISSURELLIDAE** Gray, 1847 14 morphospecies present in the Koumac, Touho and Lifou sites. List of species after D. Geiger com. pers.

*Anatoma muniери* (Fischer, 1862)

*Scissurella cebuana* (Bandel, 1998)

*Scissurella mirifica* A. Adams, 1862

*Scissurella evaensis* Bandel, 1998

*Scissurella lorenzi* Geiger, 2006

*Sinezona macleani* Geiger, 2006

*Scissurella quadrata* Geiger & Jansen, 2004

*Scissurella spinosa* Geiger & Jansen, 2004

*Sinezona ferriezi* (Crosse, 1867)

*Sinezona plicata* (Hedley, 1899)

*Sukashitrochus morleti* (Crosse, 1880)

*Trogloncha ohashii* Kase & Kano, 2002

**TROCHIDAE** Rafinesque, 1815 C. Vilvens com. pers.

*Alcyna acia* Cotton, 1948

*Alcyna lifuensis* Melvill & Standen, 1896

*Alcyna ocellata* (A. Adams, 1860)

*Alcyna subangulata* Pease, 1861

*Archiminolia oleacea* (Hedley & Petterd, 1907)  
*Astele* cf *allanae* (Iredale, 1930)  
*Broderipia rosea* (Broderip, 1834)  
*Calliotrochus marmoreus* (Pease, 1861)  
*Cantharidus artensis* (Fischer, 1878)  
*Cantharidus* cf *hilaris* (Lischke, 1871)  
*Cantharidus polychromus* (A.Adams, 1853)  
*Cantharidus urbanus* Gould, 1861  
*Chrysostoma paradoxum* (Born, 1778)  
*Clanculus clanguloides* (Wood, 1828)  
*Clanculus granti* Hedley, 1907  
*Clanculus margaritarius* (Philippi, 1846)  
*Clanculus richeri* Vilvens, 2000  
*Clanculus* cf *richeri* Vilvens, 2000  
*Clanculus stigmatarius* A. Adams, 1853  
*Clanculus thomasi* Crosse, 1862  
*Conotalopia henniana* (Melvill, 1891)  
*Conotalopia* cf *tropicalis* (Hedley, 1907)  
*Diloma constellatus* (Souverbie in Souverbie & Montrouzier, 1863)  
*Ethalia montrouzieri* (Souverbie, 1860)  
*Ethaliella rhodomphala* (Souverbie in Souverbie & Montrouzier, 1875)  
*Ethminolia impressa* (G. & H. Nevill, 1869)  
*Ethminolia* cf *vitiliginea* (Menke, 1843)  
*Euchelus brunneus* (Adams, 1853)  
*Euchelus* cf *cavernosus* Sowerby, 1905 [=?*Euchelus foveolatus* (A.Adams, 1851)]  
*Euchelus foveolatus* (A. Adams, 1851)  
*Eurytrochus danieli* (Crosse, 1862)  
*Gena caledonica* Crosse, 1871  
*Gena oliveri* Iredale, 1912  
*Herpetopoma eboreum* Vilvens & Héros, 2003  
*Herpetopoma fischeri* (Montrouzier in Souverbie & Montrouzier, 1866)  
*Herpetopoma gemmata* (Gould, 1845)  
*Herpetopoma instricta* (Gould, 1849)  
*Hybochelus cancellatus* (Krauss, 1848)  
*Microgaza navakaensis* Ladd, 1982  
*Microtis heckeliana* (Crosse, 1871)  
*Microtis rubra* (Deshayes, 1843)  
*Microtis tuberculata* (A. Adams, 1850)  
*Monilea incerta* Iredale, 1912  
*Monilea* cf *menkei* A.Adams, 1854  
*Monodonta canalifera* Lamarck, 1816  
*Parminolia apicina* (Gould, 1861)  
*Perrinia angulifera* (A. Adams, 1853)  
*Pseudostomatella decolorata* (Gould, 1848)  
*Pseudostomatella maculata* (Quoy & Gaimard, 1834)  
*Pseudostomatella sanguinea* (A. Adams, 1850)  
*Rossiteria nuclea* (Philippi, 1849)  
*Solariella plicatula* (Murdoch & Suter, 1906)  
*Solariella vera* Powell, 1937  
*Solariella* cf *zaccalles* Melvill, 1903  
*Stomatella auricula* Lamarck, 1816 [=?*Stomatella impertusa* (Burrows, 1815)]  
*Stomatella fulgurans* A.Adams, 1850  
*Stomatella impertusa* (Burrows, 1815)  
*Stomatella mariei* Crosse, 1871  
*Stomatella* cf *rosacea* (Pease, 1867)

*Stomatella stellata* (Souverbie & Montrouzier, 1863)  
*Stomatella varia* (A. Adams, 1850) [?=*Stomatella impertusa* (Burrows, 1815)]  
*Stomatia phymotis* Helbling, 1779  
*Synaptocochlea concinna* (Gould, 1845) [= *Synaptocochlea picta* (Montrouzier, 1862) = *Stomatella montrouzieri* Pilsbry, 1890]  
*Talopena? glaphyrella* (Melvill & Standen, 1895)  
*Talopena vernicosa* (Gould, 1861)  
*Tectus conus* (Gmelin, 1791)  
*Tectus fabrei* (Montrouzier in Fischer, 1878)  
*Tectus fenestratus* (Gmelin, 1791)  
*Tectus noduliferus* (Lamarck, 1822)  
*Tectus pyramis* (Born, 1778)  
*Tosatrochus attenuatus* (Jonas, 1845)  
*Trochus calcaratus* Souverbie, 1875  
*Trochus fastigiatus* A. Adams, 1853  
*Trochus histrio* Reeve, 1842  
*Trochus maculatus* Linné, 1758  
*Trochus niloticus* Linné, 1758  
*Trochus stellatus* Gmelin, 1791  
*Trochus tubiferus* Kiener, 1850  
*Turcica maculata* (Brazier, 1877)  
*Vaceuchelus ampullus* (Tate, 1893)  
*Vaceuchelus roseolus* (Nevill & Nevill, 1869) [*Trochus lamberti* Souverbie in Souverbie & Montrouzier, 1875]  
*Vaceuchelus scrobiculatus* (Souverbie, 1866)  
*Vanitrochus tragema* (Melvill & Standen, 1896)

**CALLIOSTOMATIDAE** Thiele, 1924 Based on Marshall (1995)

*Calliostoma houbricki* Marshall, 1995  
*Calliostoma periglyptum* Marshall, 1995  
*Calliostoma richeri* Marshall, 1995  
*Calliostoma xanthos* Marshall, 1995  
*Dactylastele poupineli* (Montrouzier in Souverbie & Montrouzier, 1875)  
*Laetifautor fundatus* Marshall, 1995

**TURBINIDAE** Rafinesque, 1815 List of species after C. Vilvens com. pers. and K. Kreipl com. pers.  
 In addition, 32 morphospecies of skeneimorphs present in the Koumac, Touho and Lifou sites.

*Angaria delphinus* (Linné, 1758)  
*Angaria formosa* (Reeve, 1842)  
*Angaria turpini* Monsecour & Monsecour, 2007  
*Astraliium rhodostomum* (Lamarck, 1822)  
*Astraliium stellare* (Gmelin, 1791)  
*Bothropoma bellulum* (H. Adams, 1873)  
*Bothropoma mundum* (H. Adams, 1873)  
*Collonista nanina* (Souverbie, 1864)  
*Leucorhynchia tricarinata* Melvill & Standen, 1896  
*Turbo argyrostomus* Linné, 1758  
*Turbo artensis* Montrouzier, 1860  
*Turbo chrysostomus* Linné, 1758  
*Turbo cinereus* Born, 1798  
*Turbo crassus* Wood, 1828  
*Turbo petholatus* Linné, 1758  
*Turbo setosus* Gmelin, 1791  
*Turbo sparverius* Gmelin, 1791  
*Turbo tuberculatus* Quoy & Gaimard, 1834  
*Turbo tursicus* Reeve, 1846

**PHASIANELLIDAE** Swainson, 1840

*Gabrielona pisinna* Robertson, 1973

*Gabrielona raunana goubini* Robertson, 1973

*Phasianella* cf *variegata* Lamarck, 1822

**NERITILIIDAE** Schepman, 1908

*Pisulina adamsiana* G. & H. Nevill, 1869

*Pisulina biplicata* Thiele, 1925

**NERITIDAE** Rafinesque, 1815 H. Dekker com. pers.

*Nerita albicilla* Linné, 1758

*Nerita filosa* Reeve, 1855

*Nerita histrio* Linné, 1758

*Nerita insculpta* Récluz, 1841

*Nerita literata* Gmelin, 1791

*Nerita maxima* Gmelin, 1791

*Nerita oleagina* Reeve, 1855

*Nerita planospira* Anton, 1838

*Nerita plicata* Linné, 1758

*Nerita polita* Linné, 1758

*Nerita signata* Lamarck, 1822

*Nerita undata* Linné, 1758

*Nerita vitiensis* Hombron & Jacquinot, 1854

*Pseudodostia bensoni* (Récluz, 1850):

*Smaragdia bryanae* Pilsbry, 1918

*Smaragdia rangiana* (Récluz, 1841)

*Smaragdia souverbiana* (Montrouzier, 1863)

*Smaragdia trigena* (Iredale, 1936)

**PHENACOLEPADIDAE** Pilsbry, 1895 No recent review or update. 6 morphospecies present in the Koumac, Touho and Lifou sites.

**NERITOPSIDAE** Gray, 1847

*Neritopsis radula* (Linné, 1758)

**CERITHIIDAE** Fleming, 1822 No recent review or update. List of species based on identification by J. Trondlé of material from the Koumac site, and further identifications by J. Houbrick of material dredged by B. Richer de Forges.

*Ataxocerithium cf fucatum* Pease, 1861

*Bittium cf alutaceum* Gould, 1861

*Bittium elegantissimum* (Hedley, 1899)

*Bittium glareosum* (Gould, 1861)

*Bittium impendens* (Hedley, 1899)

*Cerithium atromarginatum* Dautzenberg & Bouge, 1933

*Cerithium balteatum* Philippi, 1848

*Cerithium citrinum* Sowerby, 1855

*Cerithium columna* Sowerby, 1834

*Cerithium coralium* Kiener, 1841

*Cerithium dialeucum* Philippi, 1849

*Cerithium echinatum* Lamarck, 1822

*Cerithium egenum* Gould, 1849

*Cerithium interstriatum* Sowerby, 1855

*Cerithium lifuense* Melvill & Standen, 1895

*Cerithium lissum* Watson, 1880

*Cerithium munitum* Sowerby, 1855

*Cerithium nesioticum* Pilsbry & Vanatta, 1906

*Cerithium nodulosum* Bruguière, 1792

*Cerithium novaehollandiae* A. Adams, 1855

*Cerithium pacificum* Houbrick, 1992

*Cerithium punctatum* Bruguière, 1792

- Cerithium rostratum* Sowerby, 1855  
*Cerithium salebrosum* Sowerby, 1855  
*Cerithium scabridum* Philippi, 1848  
*Cerithium spiculum* Hedley, 1899  
*Cerithium tenellum* Sowerby, 1855  
*Cerithium zebrum* (Kiener, 1841)  
*Cerithium zonatum* (Wood, 1828)  
*Clypeomorus batillariaformis* Habe & Kosuge, 1966  
*Clypeomorus bifasciata* (Sowerby, 1855)  
*Clypeomorus irrorata* (Gould, 1819)  
*Clypeomorus pellucida* (Hombrohn & Jacquinet, 1852)  
*Clypeomorus petiosa* (Wood, 1828)  
*Clypeomorus purpurastoma* Houbriek, 1985  
*Clypeomorus subbrevicula* (Oostingh, 1925)  
*Colina macrostoma* (Hinds, 1844)  
*Gourmya gourmyi* (Crosse, 1861)  
*Pseudovertagus aluco* (Linné, 1791)  
*Pseudovertagus clava* (Gmelin, 1791)  
*Pseudovertagus nobilis* (Reeve, 1855)  
*Rhinoclavis articulata* (A. Adams & Reeve, 1850)  
*Rhinoclavis aspera* (Linné, 1758)  
*Rhinoclavis fasciata* (Bruguière, 1792)  
*Rhinoclavis kochi* (Philippi, 1848)  
*Rhinoclavis sinensis* (Gmelin, 1791)  
*Rhinoclavis sordidula* (Gould, 1849)  
*Royella sinon* (Bayle, 1880)  
*Varicopeza pauxilla* (A. Adams, 1854)
- DIALIDAE** Kay, 1979 No recent review or update. Species listed identified by J. Trondlé.  
*Diala albugo* (Watson, 1886) [= *Diala ludens* Melvill & Standen, 1895]  
*Diala semistriata* (Philippi, 1849)  
*Diala sulcifera* (A. Adams, 1862)
- LITIOPIIDAE** Gray, 1847 No recent review or update. 3 morphospecies present in the Koumac site. Two species described from Lifou are listed for the record, but nomenclature may not be accurate.  
*Alaba zadela* Melvill & Standen, 1896  
*Litiopa limnophysa* Melvill & Standen, 1896
- MODULIDAE** P. Fischer, 1884  
*Modulus candidus* Petit de la Saussaye, 1863
- PLANAXIDAE** Gray, 1850  
*Hinea fasciata* (Pease, 1868)  
*Planaxis sulcatus* (Born, 1780)
- POTAMIDIDAE** H. Adams & A. Adams, 1854 No recent review or update. One species in Koumac.  
*Terebralia palustris* (Linné, 1767)
- SCALIOLIDAE** Jousseume, 1912 No recent review or update. 7 morphospecies present in Koumac.
- SILIQARIIDAE** Anton, 1838 No recent review or update. 5 morphospecies present in Koumac.
- TURRITELLIDAE** Lovén, 1847 No recent review or update. 7 morphospecies present in Koumac.
- PLESIOTROCHIDAE** Houbriek, 1990 No recent review or update. 2 morphospecies present in Koumac.  
*Plesiotrochus souverbianus* Fischer, 1878
- CAPULIDAE** Fleming, 1822 No recent review or update. 5 morphospecies present in Koumac.  
*Capulus danieli* (Crosse, 1858)
- CINGULOPSIDAE** Fretter & Patil, 1958 No recent review or update. 1 morphospecies present in Koumac.
- CYPRAEIDAE** Rafinesque, 1815 F. Lorenz com. pers.  
*Annepona mariae* (Schilder, 1927)  
*Bistolida hirundo* (Linné, 1758)  
*Bistolida kieneri* Hidalgo, 1906  
*Bistolida stolidia* (Linné, 1758)

*Bistolida ursellus* (Gmelin, 1791)  
*Blasicrura pallidula* (Gaskoin, 1849)  
*Blasicrura pellucens* (Melvill, 1888)  
*Blasicrura rashleighana* (Melvill, 1888)  
*Blasicrura teres* (Gmelin, 1791)  
*Chelycypraea testudinaria* (Linné, 1758)  
*Cribrarula catholicorum* (Schilder & Schilder, 1938)  
*Cribrarula cribraria* (Linné, 1758)  
*Cypraea tigris* Linné, 1758  
*Erosaria annulus* (Linné, 1758)  
*Erosaria beckii* (Gaskoin, 1836)  
*Erosaria caputserpentis* (Linné, 1758)  
*Erosaria cernica* (Sowerby III, 1870)  
*Erosaria eburnea* (Barnes, 1824)  
*Erosaria erosa* (Linné, 1758)  
*Erosaria guttata* (Gmelin, 1791)  
*Erosaria helvola* (Linné, 1758)  
*Erosaria labrolineata* (Gaskoin, 1849)  
*Erosaria moneta* (Linné, 1758)  
*Erosaria poraria* (Linné, 1758)  
*Erronea bregeriana* (Crosse, 1868)  
*Erronea caurica* (Linné, 1758)  
*Erronea cylindrica* (Born, 1778)  
*Erronea erronea* (Linné, 1758)  
*Erronea listeri* (Gray, 1824)  
*Erronea ovum* (Gmelin, 1791)  
*Erronea pyriformis* (Gray, 1824)  
*Erronea subviridis* (Reeve, 1835)  
*Ipsa childreni* (Gray, 1825)  
*Ipsa chinensis* (Gray, 1825)  
*Leporicypraea mappa* (Linné, 1758)  
*Luria gilvella gilvella* Lorenz, 2002  
*Luria isabella* (Linné, 1758)  
*Lyncina argus* (Linné, 1758)  
*Lyncina aurantium* (Gmelin, 1791)  
*Lyncina carneola* (Linné, 1758)  
*Lyncina leviathan* (Schilder & Schilder, 1937)  
*Lyncina lynx* (Linné, 1758)  
*Lyncina vitellus* (Linné, 1758)  
*Mauritia arabica* (Linné, 1758)  
*Mauritia depressa* (Gray, 1824)  
*Mauritia eglantina* (Duclos, 1833)  
*Mauritia scurra* (Gmelin, 1791)  
*Nesiocypraea lisetae* Kilburn, 1975  
*Notadusta katsuae* (Kuroda, 1960)  
*Notadusta martini* (Schepman, 1907)  
*Notadusta punctata* (Linné, 1758)  
*Palmadusta asellus* (Linné, 1758)  
*Palmadusta clandestina* (Linné, 1767)  
*Palmadusta contaminata* (Sowerby I, 1832)  
*Palmadusta humphreysii* (Gray, 1825)  
*Palmadusta saulae* (Gaskoin, 1843)  
*Palmadusta ziczac* (Linné, 1758)  
*Purpuradusta fimbriata* (Gmelin, 1791)  
*Purpuradusta gracilis* (Gaskoin, 1849)

*Purpuradusta microdon* (Gray, 1828)  
*Purpuradusta minoridens* (Melvill, 1901)  
*Pustularia margarita* (Dillwyn, 1817)  
*Pustularia bistrinotata* Schilder & Schilder, 1937  
*Pustularia cicercula* (Linné, 1758)  
*Pustularia globulus* (Linné, 1758)  
*Staphylaea nucleus* (Linné, 1758)  
*Staphylea linacina* (Lamarck, 1810)  
*Staphylea staphylaea* (Linné, 1758)  
*Talparia talpa* (Linné, 1758)

**OVULIDAE** Fleming, 1822 Based on identifications by L. Dolin and G. Rosenberg

*Calpurnus verrucosus* (Linné, 1758)  
*Crenavolva rosewateri* (Cate, 1973)  
*Crenavolva striatula* (Sowerby, 1828)  
*Crenavolva tigris* (Yamamoto, 1971)  
*Crenavolva virgo* (Azuma & Cate, 1971)  
*Dentiovula colobica* (Azuma & Cate, 1971)  
*Dentiovula dorsuosa* (Hinds, 1844)  
*Dentiovula masaoi* Cate, 1973  
*Globovula margarita* (Sowerby, 1828)  
*Hiatavolva coarctata* A. Adams & Reeve, 1848  
*Kuroshiovulva shingoi* Azuma & Cate, 1971  
*Ovula costellata* Lamarck, 1810  
*Ovula ishibashii* (Kuroda, 1928)  
*Ovula ovum* (Linné, 1758)  
*Phenacovolva brunneiterma* Cate, 1969  
*Phenacovolva gracillima* (E. A. Smith, 1901)  
*Phenacovolva rosea* (A. Adams, 1854)  
*Phenacovolva subreflexa* (A. Adams & Reeve, 1848)  
*Prionovolva brevis* (Sowerby, 1828)  
*Prionovolva hervieri* (Hedley, 1899)  
*Prionovolva pulchella* (H. Adams, 1873)  
*Prosimnia cf semperi* (Weinkauff, 1881)  
*Prosimnia semperi* (Weinkauff, 1881)  
*Pseudosimnia cf alabaster* (Reeve, 1865)  
*Pseudosimnia cf coroniola* Cate, 1978  
*Pseudosimnia cubnen* Cate, 1973  
*Volva volva* (Linné, 1758)

**FICIDAE** Meek, 1864

*Ficus ficus* (Linné, 1758)

**LITTORINIDAE** Children, 1834 Based on identifications by D. Reid and J. Trondlé.

*Echinolittorina biangulata* (von Martens, 1897)  
*Echinolittorina cinerea* (Pease, 1869)  
*Echinolittorina feejeensis* (Reeve 1857)  
*Littoraria coccinea* (Gmelin, 1791)  
*Littoraria intermedia* (Philippi, 1846)  
*Littoraria pallescens* (Philippi, 1846)  
*Littoraria scabra* (Linné, 1758)  
*Littoraria undulata* (Gray, 1839)  
*Peasiella conoidalis* (Pease, 1868)  
*Tectarius cuningii* (Philippi, 1846)

**PICKWORTHIIDAE** Iredale, 1917 No recent review or update. Present list not representative of the fauna actually present in New Caledonia.

*Clatrosansonia troendlei* Le Renard & Bouchet, 2003  
*Sansonia costata* Kase, 1998



**NATICIDAE** Guilding, 1834 No recent review or update. 29 morphospecies present in Koumac. Species listed identified by J. Trondlé

- Eunaticina linneana* (Récluz, 1843)
- Eunaticina papilla* (Gmelin, 1791)
- Natica arachnoidea* (Gmelin, 1791)
- Natica areolata* Récluz, 1844
- Natica bougei* Sowerby, 1908
- Natica cernica* Jousseau, 1874
- Natica euzona* Récluz, 1844
- Natica fasciata* (Röding, 1798)
- Natica gualteriana* Récluz, 1844
- Natica limpida* Smith, 1884
- Natica lineozona* Jousseau, 1874
- Natica onca* (Röding, 1798)
- Natica orientalis* (Gmelin, 1791)
- Natica pseutes* Watson, 1881
- Natica robillardi* Sowerby, 1893
- Natica violacea* Sowerby, 1825
- Natica vitellus* (Linné, 1758)
- Natica zonalis* Récluz, 1850
- Polinices aurantius* (Röding, 1798)
- Polinices flemingiana* (Récluz, 1844)
- Polinices maurus* (Lamarck, 1816)
- Polinices melanostomus* (Gmelin, 1791)
- Polinices simiae* (Deshayes, 1838)
- Polinices tumidus* (Swainson, 1840)

**RISSOIDAE** Gray, 1847 No recent review or update. 97 morphospecies present in the Koumac, Touho and Lifou sites. Species described or recorded from Lifou in the literature are listed for the record, but nomenclature and identifications may not be accurate.

- Alvania pisinna* Melvill & Standen, 1896
- Rissoia joviana* Melvill & Standen, 1896
- Rissoia pyrrhacme* Melvill & Standen, 1896
- Rissoina ambigua* (Gould, 1849)
- Rissoina baculumpastoris* Melvill & Standen, 1896
- Rissoina catholica* Melvill & Standen, 1896
- Rissoina cerithiiformis* Tryon, 1887
- Rissoina enteles* Melvill & Standen, 1896
- Rissoina funiculata* Souverbie, 1866
- Rissoina nesiotas* Melvill & Standen, 1896
- Rissoina quasilus* Melvill & Standen, 1896
- Rissoina scolopax* Souverbie, 1877
- Rissoina sincera* Melvill & Standen, 1896
- Rissoina spiralis* Souverbie, 1866
- Rissoina zonula* Melvill & Standen, 1896

**ANABATHRIDAE** Keen, 1971 No recent review or update. 1 morphospecies present in Koumac.

**ASSIMINEIDAE** H. Adams & A. Adams, 1856 No recent review or update. 1 morphospecies present in Koumac.

**BARLEEIDAE** Gray, 1857 No recent review or update. 4 morphospecies present in the Koumac, Touho and Lifou sites. Species described or recorded from Lifou in the literature are listed for the record, but nomenclature and identifications may not be accurate.

- Pisina chasteri* (Melvill & Standen, 1895)
- Barleeia chrysomela* Melvill & Standen, 1896

**CAECIDAE** Gray, 1850 Based on MS (to be published) by M. Pizzini & I. Nofroni

- Caecum amamiense* (Habe, 1978)
- Caecum* cf. *bimarginatum* (Carpenter, 1858 [1859])
- Caecum clarum* Lamy (MS de Folin), 1909

*Caecum cf defolini* Kisch, 1959  
*Caecum cf glabellum* (Carpenter in Adams, 1868)  
*Caecum cf gulosum* Hedley, 1899  
*Caecum inflatum* de Folin, 1869  
*Caecum japonicum* (Habe, 1978)  
*Caecum mauritianum* de Folin, 1868  
*Caecum modestum* de Folin, 1868  
*Caecum neocaledonicum* de Folin, 1868  
*Caecum sepimentum* de Folin, 1868  
*Caecum succineum* de Folin, 1879  
*Caecum vertebrale* Hedley, 1899  
*Meioceras kajiyamai* Habe, 1963  
*Parastrophia cornucopiae* (de Folin, 1869)  
*Parastrophia japonica* Hinoide & Habe, 1978  
*Strebloceras cf hinemoa* Finlay, 1931

**ELACHISINIDAE** Ponder, 1985 No recent review or update. 1 morphospecies in Koumac.

**IRAVADIIDAE** Thiele, 1928 No recent review or update. 2 morphospecies present in the Koumac, Touho and Lifou sites.

**TORNIDAE** Sacco, 1896 No recent review or update. 43 morphospecies present in the Koumac, Touho and Lifou sites.

**TRUNCATELLIDAE** Gray, 1840 No recent review or update. 1 species in Koumac.

**STROMBIDAE** Rafinesque, 1815 G. Kronenberg com. pers.

*Canarium erythrinum* (Dillwyn, 1817)  
*Canarium haemastoma* (Sowerby II, 1842)  
*Canarium labiatum* (Röding, 1798)  
*Canarium microurceus* Kira, 1959  
*Canarium mutabile* (Swainson, 1821)  
*Canarium wilsonorum* (Abbott, 1967)  
*Conomurex luhuanus* (Linné, 1758)  
*Dolomen septima* (Duclos, 1844)  
*Dolomena dilatata* (Swainson, 1821)  
*Dolomena minina* (Linné, 1771)  
*Dolomena pulchella* (Sowerby II, 1842)  
*Dolomena variabilis* (Swainson, 1820)  
*Euprotomus bulla* (Röding, 1798)  
*Euprotomus vomer* (Röding, 1798)  
*Gibberulus gibbosus* (Röding, 1798)  
*Harpago chiragra* (Linné, 1758)  
*Labiostrombus epidromis* (Linné, 1758)  
*Laevistrombus canarium* (Linné, 1758)  
*Lambis lambis* (Linné, 1758)  
*Lambis scorpius* (Linné, 1758)  
*Lambis truncata* (Lightfoot, 1786)  
*Lentigo lentiginosus* (Linné, 1758)  
*Terestrombus fragilis* (Röding, 1798)  
*Tricornis latissimus* (Linné, 1758)  
*Tricornis sinuatus* (Lightfoot, 1786)  
*Tricornis thersites* (Swainson, 1823)  
*Tridentarius dentatus* (Linné, 1758)

**SERAPHSIDAE** Gray 1853

*Terebellum terebellum* (Linné, 1758)

**BURSIDAE** Thiele, 1925 Based on Beu (1998).

*Bursa condita* (Gmelin, 1791)  
*Bursa cruentata* (G.B. Sowerby II, 1835)  
*Bursa granularis* (Röding, 1798)

*Bursa lamarckii* (Deshayes, 1853)  
*Bursa lucaensis* Parth, 1991  
*Bursa rhodostoma* (Beck in G.B. Sowerby II, 1835)  
*Bursa rosa* (Perry, 1811)  
*Bufonaria perelegans* Beu, 1987  
*Bufonaria thersites* (Redfield, 1846)  
*Tutufa bubo* (Linné, 1758)  
*Tutufa bufo* (Röding, 1798)  
*Tutufa oyamai* Habe, 1973  
*Tutufa rubeta* (Linné, 1758)

**PERSONIDAE** Gray, 1854 Based on Beu (1998).

*Distorsio anus* (Linné, 1758)  
*Distorsio decipiens* (Reeve, 1844)  
*Distorsio kurzi* Petuch & Harasewych, 1980  
*Distorsio parvimpedita* Beu, 1998  
*Distorsio reticularis* (Linné, 1758)  
*Distorsomina pusilla* (Pease, 1861)

**RANELLIDAE** Gray, 1854 Based on Beu (1998).

*Charonia tritonis* (Linné, 1758)  
*Cymatium aquatile* (Reeve, 1844)  
*Cymatium armatum* (G.B. Sowerby III, 1897)  
*Cymatium caudatum* (Gmelin, 1791)  
*Cymatium cingulatum* (Lamarck, 1822)  
*Cymatium comptum* (A. Adams, 1855)  
*Cymatium dunkeri* (Lischke, 1868)  
*Cymatium exaratum* (Reeve, 1844)  
*Cymatium exile* (Reeve, 1844)  
*Cymatium fitzkau* Parth, 1991  
*Cymatium gemmatum* (Reeve, 1844)  
*Cymatium gutturnium* (Röding, 1798)  
*Cymatium hepaticum* (Röding, 1798)  
*Cymatium labiosum* (Wood, 1828)  
*Cymatium lotorium* (Linné, 1758)  
*Cymatium mundum* (Gould, 1849)  
*Cymatium muricinum* (Röding, 1798)  
*Cymatium nicobaricum* (Röding, 1798)  
*Cymatium occidentale* (Mörch, 1877)  
*Cymatium parthenopeum* (Salis Marschlins, 1793)  
*Cymatium pfeifferianum* (Reeve, 1844)  
*Cymatium pileare* (Linné, 1758)  
*Cymatium pyrum* (Linné, 1758)  
*Cymatium rubeculum* (Linné, 1758)  
*Cymatium sarcostoma* (Reeve, 1844)  
*Cymatium springsteeni* Beu, 1987  
*Cymatium succintum* (Linné, 1771)  
*Cymatium testudinarium* (A. Adams & Reeve, 1850)  
*Cymatium vespacium* (Lamarck, 1822)  
*Gyrineum gyrinum gyrinum* (Linné, 1758)  
*Gyrineum lacunatum* (Mighels, 1845)  
*Gyrineum longicaudatum* Beu, 1998  
*Gyrineum roseum* (Reeve, 1844)

**VANIKORIDAE** Gray, 1840 No recent review or update. 10 morphospecies present in Koumac. 2 species described from New Caledonia are listed for reference, but nomenclature may not be accurate.

*Caledoniella montrouzeri* Soubervie, 1869  
*Vanikoro montrouzieri* (Soubervie, 1879)

**HIPPONICIDAE** Troschel, 1861 No recent review or update. 8 morphospecies present in Koumac. Species listed identified by M. Poulicek.

*Antisabia conica* (Schumacher, 1817)

*Antisabia foliacea* (Quoy & Gaimard, 1835)

*Antisabia juliae* (Poulicek, Bussers & Vandewalle, 1995)

*Hipponyx* cf *pilosus* (Deshayes, 1832)

**LAMELLARIIDAE** d'Orbigny, 1841 No recent review or update. 2 morphospecies present in Koumac.

*Coriocella nigra* (Blainville, 1824)

**TRIVIIDAE** Troschel, 1863 No recent review or update. Species listed identified by L. Dolin com. pers.

*Dolichupis producta* (Gaskoin, 1836)

*Proterato angistoma* (Sowerby, 1832)

*Proterato corrugata* (Hinds, 1844)

*Proterato* cf *gallinacea* (Hinds, 1844)

*Proterato gemma* (Bavay, 1917)

*Proterato* cf *smithi* Schilder, 1933

*Proterato sulcifera* (Sowerby, 1832)

*Trivirostra edgari* (Shaw, 1909)

*Trivirostra exigua* (Gray, 1831)

*Trivirostra globosa* (Sowerby, 1832)

*Trivirostra hordacea* (Kiener, 1843)

*Trivirostra hyalina* Schilder, 1923

*Trivirostra oryza* (Larmack, 1810)

*Trivirostra pellucida* (Gaskoin, 1846)

*Trivirostra scabriuscula* (Gray, 1827)

**TONNIDAE** Suter, 1913 Tonninae based on C. Vos, com. pers. No recent review or update of Cassinae; present list not representative of the fauna actually present in New Caledonia.

*Casmaria erinacea* (Linné, 1758)

*Casmaria ponderosa* Gmelin, 1791

*Cassis cornuta* (Linné, 1758)

*Malea pomum* (Linné, 1758)

*Phalium aerola* (Linné, 1758)

*Tonna allium* (Dillwyn, 1817)

*Tonna canaliculata* (Linné, 1758)

*Tonna* cf *alanbeui* Vos, 2005

*Tonna deshayesi* Reeve, 1849

*Tonna* cf *oentoengi* Vos, 2005

*Tonna chinensis* (Dillwyn, 1817)

*Tonna perdux* (Linné, 1758)

**VERMETIDAE** Rafinesque, 1815 No recent review or update. 4 species present in Koumac, and ca. 20 in Lifou (S. Schiaparelli com. pers.).

**XENOPHORIDAE** Troschel, 1852 Based on identifications by K. Kreipl

*Xenophora cerea* (Reeve, 1845)

*Xenophora corrugata* Watson, 1886

*Xenophora lamberti* Souverbie, 1871

*Xenophora mekranensis* (Newton, 1905)

*Xenophora pallidula* (Reeve, 1842)

*Xenophora solarioides* (Reeve, 1845)

**EPITONIIDAE** Berry, 1910 E. Garcia com. pers. However, no global recent review or update. Species described or recorded from Lifou are included, but present list not representative of the fauna actually present in New Caledonia.

*Amaea apexroseus* Garcia, 2003

*Amaea sericogaza* (Masahito, 1971)

*Amaea splendida* (de Boury, 1913)

*Cycloscala crenulata* (Pease, 1867)

*Cycloscala hyalina* (G.B. Sowerby, 1844)

*Cycloscala montrouzieri* Garcia, 2004  
*Cycloscala revoluta* (Hedley, 1899)  
*Cycloscala sardellae* Garcia, 2004  
*Epitonium eranna* Melvill & Standen, 1896  
*Epitonium exomila* Melvill & Standen, 1896  
*Epitonium gracile* (Sowerby, 1844)  
*Epitonium gradile* (Jousseau, 1912)  
*Epitonium marmoratum* (Sowerby, 1844)  
*Epitonium stigmaticum* (Pilsbry, 1911)  
*Gyroscala xenicima* (Melvill & Standen, 1903)  
*Opalia bicarinata* (Sowerby, 1844)  
*Opalia crassilabrum* (Sowerby, 1844)  
*Opalia felderi* Garcia, 2004  
*Opalia longissima* Garcia, 2004  
*Opalia pupipunctata* Garcia, 2004  
*Opalia turnerae* Garcia, 2004

**EULIMIDAE** Philippi, 1853 No recent review or update. 312 morphospecies present in the Koumac, Touho and Lifou sites. Listed of identified species provided by A. Warén. com. pers.

*Amamibalcis kawamurai* Kuroda & Habe, 1950  
*Annulobalcis shimazui* Habe, 1965  
*Apicalia angulata* (Warén, 1981)  
*Apicalia echinasteri* (Warén, 1981)  
*Arcuella mirifica* Nevill, 1874  
*Crystella kajiyamai* Habe, 1961  
*Echineulima mittrei* (Petit, 1851)  
*Fuscipex kawamurai* (Kuroda & Habe, 1950)  
*Hemiliostraca distorta* (Pease, 1861)  
*Hemiliostraca metcalfei* (Adams & Adams, 1853)  
*Hemiliostraca cf metcalfei* (Adams & Adams, 1853)  
*Hemiliostraca samoensis* (Crosse, 1867)  
*Hypermastus cf coxi* Pilsbry, 1899  
*Hypermastus obliquistomum* Warén *et al.*, 1994  
*Hypermastus orstomi* Warén *et al.*, 1994  
*Hypermastus cf serratus* Warén, 1991  
*Hypermastus serratus* Warén, 1991  
*Megadenus cantharelloides* Humphreys & Lützen, 1972  
*Melanella acicula* (Gould, 1849)  
*Melanella aciculata* (Pease, 1861).  
*Melanella attenuata* (Sowerby, 1866)  
*Melanella cumingii* (Adams, 1854)  
*Melanella dufresnei* Bowdich, 1832  
*Melanella exilis* (Pease, 1863)  
*Melanella gigas* (Kuroda & Habe, 1950)  
*Melanella indica* (Preston, 1905)  
*Melanella inflexa* (Pease, 1868)  
*Melanella kaholawensis* Pilsbry, 1917  
*Melanella kanaka* (Pilsbry, 1917)  
*Melanella labiosa* (Sowerby II, 1834)  
*Melanella lactea* (A. Adams, 1854)  
*Melanella martinii* (A. Adams, 1854)  
*Melanella muelleriae* (Sturany, 1903)  
*Melanella cf ogasawarana* (Pilsbry, 1905)  
*Melanella oblonga* (Boettger, 1893)  
*Melanella ogasawarana* (Pilsbry, 1905)  
*Melanella oxtata* (Watson, 1883)

*Melanella retrorsa* (Sowerby, 1867)  
*Melanella venusta* (Pease, 1868)  
*Palisadia subulata* Laseron, 1956  
*Parvioris fulvescens* Sowerby, 1866  
*Parvioris noumeae* Warén, 1981  
*Peasistilifer edulis* Hoskin & Warén, 1983  
*Peasistilifer gracilis* (Pease, 1860)  
*Peasistilifer nitidula* (Pease, 1860)  
*Pictobalcis articulata* (Sowerby, 1834)  
*Prostilifer subpellucida* (Pease, 1865)  
*Pulicicochlia calamaris* (Ponder & Gooding, 1978)  
*Pulicicochlia fusca* (Ponder & Gooding, 1978)  
*Pyramidelloides gracilis* (Garrett, 1873)  
*Pyramidelloides miranda* (A. Adams, 1861)  
*Scalenostoma carinata* Deshayes, 1863  
*Scalenostoma subulata* (Broderip, 1832)  
*Stilapex montrouzieri* (Souverbie, 1869)  
*Stilifer utinounii* Habe, 1951  
*Teretinax mariei* (Fischer, 1886)  
*Thyca ectoconcha* Sarasin, 1887  
*Trochostilifer mortenseni* Warén, 1980  
*Vitreobalcis holdsworthi* (Adams, 1874)

**ACLIDIDAE** G.O. Sars, 1878 No recent review or update. 6 morphospecies present in Koumac.

**TRIPHORIDAE** Gray, 1847 No recent review or update. 321 morphospecies present in the Koumac, Touho and Lifou sites. Species described or recorded from Lifou in the literature are listed for the record, but nomenclature and identifications may not be accurate.

*Triforis amoena* Hervier, 1898  
*Triforis aurea* Hervier, 1898  
*Triforis connata* Montrouzier, 1862  
*Triforis connata* Montrouzier, 1862  
*Triforis cornuta* Hervier, 1898  
*Triforis episcopalis* Hervier, 1898  
*Triforis formosula* Hervier, 1898  
*Triforis fulvescens* Hervier, 1898  
*Triforis goubini* Hervier, 1898  
*Triforis intergranosa* Hervier, 1898  
*Triforis jousseaumei* Hervier, 1898  
*Triforis lamberti* Hervier, 1898  
*Triforis leucomys* Hervier, 1898  
*Triforis loyaltyensis* Hervier, 1898  
*Triforis lucidula* Hervier, 1898  
*Triforis melantera* Hervier, 1898  
*Triforis mirificus* Deshayes, 1863  
*Triforis monacha* Hervier, 1898  
*Triforis montrouzieri* Hervier, 1898  
*Triforis papillata* Hervier, 1898  
*Triforis poecila* Hervier, 1898  
*Triforis quadrimaculata* Hervier, 1898  
*Triforis rutilans* Hervier, 1898  
*Triforis taeniolata* Hervier, 1898  
*Triforis trilirata* Deshayes, 1863  
*Triforis troglodytes* Hervier, 1898  
*Triforis turricula* Hervier, 1898  
*Triforis ustulata* Hervier, 1898

**CERITHIOPSIDAE** H. & A. Adams, 1853 No recent review or update. 217 morphospecies present in the Koumac, Touho and Lifou sites. Species described or recorded from Lifou in the literature are listed for the record, but nomenclature and identifications may not be accurate.

- Ataxocerithium cf fucatum* (Pease, 1961)
- Cerithiopsis adelpha* Melvill & Standen, 1896
- Cerithiopsis aurantiaca* Melvill & Standen, 1896
- Cerithiopsis catenaria* Melvill & Standen, 1896
- Cerithiopsis eutrapela* Melvill & Standen, 1896
- Cerithiopsis fosterae* Melvill & Standen, 1896
- Cerithiopsis hedista* Melvill & Standen, 1896
- Joculator albocinctum* (Melvill & Standen, 1896)

**BUCCINIDAE** Rafinesque, 1815 No recent review or update. 29 morphospecies present in Koumac. Species listed identified by K. Fraussen com. pers.

- Antillophos roseatus* (Hinds, 1844)
- Antillophos sculptilis* (Watson, 1886)
- Caducifer cf decapitatus* (Reeve, 1844)
- Clivipollia pulchra* (Reeve, 1846)
- Engina alveolata* (Kiener, 1836)
- Engina cf incarnata* (Deshayes in Laborde & Linant, 1834)
- Engina lineata* (Reeve, 1846)
- Engina menkeana* (Dunker, 1860)
- Engina zatricum* Melvill, 1894
- Engina zonalis* (Lamarck, 1822)
- Nassaria acuminata* (Reeve, 1844)
- Phos senticosus* (Linné, 1758)
- Phos textilis* Adams, 1851
- Phos textum* (Gmelin, 1791)
- Pisania fasciculata* (Reeve, 1846)
- Pisania cf ignea* (Gmelin, 1791)
- Pollia funosa* (Dillwyn, 1817)
- Pollia undosa* (Linné, 1758)
- Prodotia iostoma* (Gray in Griffith & Pidgeon, 1834)
- Prodotia lannumi* (Schwengel, 1950)

**COLUBRARIIDAE** Dall, 1904 No recent review or update. 3 morphospecies present in Koumac.

- Colubraria nitidula* (Sowerby, 1833)

**COLUMBELLIDAE** Swainson, 1840 K. Monsecour com. pers.

- Aesopus clausiformis* (Kiener, 1834)
- Ascalista polita* (G. & H. Nevill, 1875)
- Euplica borealis* (Pilsbry, 1904)
- Euplica ionida* (Duclos, 1840)
- Euplica scripta* (Lamarck, 1822)
- Euplica turturina* (Lamarck, 1822)
- Euplica varians* (Sowerby, 1832)
- Metanachis jaspidea* (Sowerby, 1844)
- Metanachis marquesa* (Gaskoin, 1852)
- Mitrella albina* (Kiener, 1841)
- Mitrella cf baculus* (Reeve, 1859)
- Mitrella brevis* (Schepman, 1911)
- Mitrella conspersa* (Gaskoin, 1851)
- Mitrella desmia* (Hervier, 1899)
- Mitrella ligula* (Duclos, 1840)
- Mitrella loyaltiensis* (Hervier, 1899)
- Mitrella margarita* (Reeve, 1859)
- Mitrella mindorensis* (Gaskoin, 1851)
- Mitrella moleculina* (Duclos, 1840)

*Mitrella nympha* (Kiener, 1841)  
*Mitrella philia* (Duclos, 1840)  
*Mitrella puella* (Sowerby, 1844)  
*Mitrella rosacea* (Reeve, 1859)  
*Pardalina marmorata* (Gray, 1839)  
*Pardalina testudinaria* (Link, 1807)  
*Pictocolumbella ocellata* (Link, 1807)  
*Pseudamycla rorida* (Reeve, 1859)  
*Pyrene flava* (Bruguière, 1789)  
*Pyrene obtusa* (Sowerby, 1832)  
*Pyreneola cf mascarenensis* Drivas & Jay, 1990  
*Pyreneola melvillei* (Hedley, 1835)  
*Pyreneola semiplicata* (Sowerby, 1894)  
*Seminella peasei* (von Martens & Langkavel, 1871)  
*Seminella virginea* (Gould, 1860)  
*Zafra brevissima* (Hervier, 1899)  
*Zafra comistea* (Melvill, 1906)  
*Zafra hedleyi* (Thiele, 1930)  
*Zafra hervieri* (Pace, 1902)  
*Zafra obesula* (Hervier, 1899)  
*Zafra ocellatula* (Hervier, 1899)  
*Zafra pumila* (Dunker, 1858)  
*Zafra cf pumila* (Dunker, 1858)  
*Zafra roseotincta* (Hervier, 1899)  
*Zafra semiclatrata* Sleurs, 1987  
*Zafra succinea* (Hervier, 1899)  
*Zafra troglodytes* (Souverbie, 1866)  
*Zafra vercoi* (Thiele, 1930)  
*Zafrona isomella* (Duclos, 1840)  
*Zafrona striatula* (Dunker, 1871)  
*Zafrona subfelina* (Hervier, 1899)

**FASCIOLARIIDAE** Gray, 1853 D. Mallard, com. pers.

*Dolicholatirus cf spiceri* Tenison-Woods, 1876  
*Fusinus colus* (Linné, 1758)  
*Fusinus longissimus* (Gmelin, 1791)  
*Fusinus nicobaricus* (Röding, 1798)  
*Fusinus salisburyi* Fulton, 1930  
*Fusinus undatus* (Gmelin, 1791)  
*Latrolagena smaragdula* (Linné, 1758)  
*Latirus belcheri* (Reeve, 1847)  
*Latirus craticulatus* Linné, 1758  
*Latirus cf lanceolatus* (Reeve, 1847)  
*Latirus cf uodatus* (Gmelin, 1791)  
*Latirus polygonus* (Gmelin, 1791).  
*Latirus cf turritus* (Gmelin, 1791)  
*Peristernia caledonica* (Petit de la Saussaye, 1851)  
*Peristernia nassatula* (Lamarck, 1822)  
*Peristernia reincarnata* Snyder, 2000  
*Peristernia rollandi* (Bernardi & Crosse, 1861)  
*Pleuroploca filamentosa* (Röding, 1798)  
*Pleuroploca trapezium* (Linné, 1758)  
*Teralatirus noumeensis* (Crosse, 1870)



**NASSARIIDAE** Iredale, 1916 H. Kool, com. pers.

- Cyllene concinna* A. Adams, 1851  
*Cyllene fuscata* A. Adams, 1851  
*Hebra corticata* (A. Adams, 1852)  
*Hebra horrida* (Dunker, 1847)  
*Naasarius bellulus* (A. Adams, 1852)  
*Nassarius abyssicolus* (A. Adams, 1852)  
*Nassarius acuminatus* (Marrat, 1880)  
*Nassarius acuticostus* (Montrouzier in Souverbie & Montrouzier, 1864)  
*Nassarius agapetus* Watson, 1882  
*Nassarius albescens* (Dunker, 1846)  
*Nassarius arcularia arcularia* (Linné, 1758)  
*Nassarius barsdelli* Ladd, 1976  
*Nassarius bifarius* (Baird in Brenchley, 1873)  
*Nassarius callospira* (A. Adams, 1852)  
*Nassarius canaliculatus* (Lamarck, 1822)  
*Nassarius castus* (Gould, 1850)  
*Nassarius cinctellus* (Gould, 1850)  
*Nassarius concinnus* (Powys, 1835)  
*Nassarius conoidalis* (Deshayes in Bélanger, 1832)  
*Nassarius coronatus* (Bruguière, 1789)  
*Nassarius crematus* (Hinds, 1844)  
*Nassarius crenoliratus* (A. Adams, 1852)  
*Nassarius delicatus* (A. Adams, 1852)  
*Nassarius distortus* (A. Adams, 1852)  
*Nassarius ecstilbus* (Melvill & Standen, 1896)  
*Nassarius elegans* (Kiener, 1834)  
*Nassarius elegantissimus* (A. Adams, 1852)  
*Nassarius eximius* (H. Adams, 1872)  
*Nassarius fraudulentus* (Marrat, 1877)  
*Nassarius fretorum* (Melvill & Standen, 1899)  
*Nassarius gaudiosus* (Hinds, 1844)  
*Nassarius glans glans* (Linné, 1758)  
*Nassarius globosus* (Quoy & Gaimard, 1833)  
*Nassarius granifer* (Kiener, 1834)  
*Nassarius haldemanni* (Dunker, 1847)  
*Nassarius hansenae* Kool, 1996  
*Nassarius idyllius* (Melvill & Standen, 1901)  
*Nassarius limnaeiformis* (Dunker, 1847)  
*Nassarius luridus* (Gould, 1850)  
*Nassarius multipunctatus* (Schepman, 1911)  
*Nassarius nodicostatus* (A. Adams, 1852)  
*Nassarius novaezelandiae* (Reeve, 1854)  
*Nassarius olivaceus* (Bruguière, 1789)  
*Nassarius oneratus* (Deshayes, 1863)  
*Nassarius optimus* (Sowerby, 1903)  
*Nassarius papillosum* (Linné, 1758)  
*Nassarius tringus* (Souverbie in Souverbie & Montrouzier, 1864)  
*Nassarius pullus* (Linné, 1758)  
*Nassarius quadrasi* (Hidalgo, 1904)  
*Nassarius reeveanus* (Dunker, 1847)  
*Nassarius rotundus* (Melvill & Standen, 1896)  
*Nassarius scalaris* (Hinds, 1844)  
*Nassarius semisulcatus* (Rousseau, 1854)  
*Nassarius shacklefordi* (Melvill & Standen, 1896)

*Nassarius silvardi* Dekker & Koo, 2006  
*Nassarius sinusigerus* (A. Adams, 1852)  
*Nassarius splendidulus* (Dunker, 1846)  
*Nassarius stigmarius* (A. Adams, 1852)  
*Nassarius tringus* (Souverbie in Souverbie & Montrouzier, 1864)  
*Nassarius troendleorum* Cernohorsky, 1980

**MURICIDAE** Rafinesque, 1815 R. Houart, com. pers. (subfamilies other than Coralliophinae), and M. Oliverio, com. pers. (Coralliophilinae)

*Aspella media* Houart, 1987  
*Aspella ponderi* Radwin & D'Attilio, 1976  
*Aspella producta* (Pease, 1861)  
*Attiliosa caledonica* (Jousseau, 1881)  
*Babelomurex cariniferoides* (Shikama, 1966)  
*Chicomurex laciniatus* (Sowerby, 1841)  
*Chicomurex superbus* (Sowerby, 1889)  
*Chicomurex turschi* (Houart, 1981)  
*Chicomurex venustulus* (Rehder & Wilson, 1975)  
*Chicoreus aculeatus* (Lamarck, 1822)  
*Chicoreus banksii* (Sowerby, 1841)  
*Chicoreus brunneus* (Link, 1807)  
*Chicoreus maurus* (Broderip, 1833)  
*Chicoreus microphyllus* (Lamarck, 1822)  
*Chicoreus nobilis* Shikama, 1977  
*Chicoreus orchidiflorus* (Shikama, 1973)  
*Chicoreus palmarosae* (Lamarck, 1822)  
*Chicoreus ramosus* (Linné, 1758)  
*Chicoreus rossiteri* (Crosse, 1872)  
*Chicoreus territus* (Reeve, 1845)  
*Chicoreus torrefactus* (Sowerby, 1841)  
*Coralliophila abnormis* (Smith, 1879)  
*Coralliophila amirantium* E.A. Smith, 1884  
*Coralliophila bulbiformis* (Conrad, 1837)  
*Coralliophila carnosa* Kosuge, 1986  
*Coralliophila clathrata* (A. Adams, 1854)  
*Coralliophila costularis* (Lamarck, 1816)  
*Coralliophila curta* Sowerby G.B. III, 1894  
*Coralliophila erosa* (Röding, 1798)  
*Coralliophila fearnleyi* (Emerson & D'Attilio, 1965)  
*Coralliophila fimbriata* (A. Adams, 1854)  
*Coralliophila monodonta* (Blainville, 1832)  
*Coralliophila persica* Melvill, 1897  
*Coralliophila pulchella* (A. Adams, 1854)  
*Coralliophila radula* (A. Adams, 1855)  
*Coralliophila robillardi* (Liénard, 1870)  
*Coralliophila squamosissima* (Smith, 1876)  
*Coralliophila squamulosa* (Reeve, 1846)  
*Coralliophila violacea* (Kiener, 1836)  
*Cytharomorula ambonensis* Houart, 1996  
*Cytharomorula lefevreiana* (Tapparone Canefri, 1880)  
*Cytharomorula paucinaculata* (Sowerby, 1903)  
*\*Dermomurex tricolor* Houart, 2001  
*Drupa grossularia* Röding, 1798  
*Drupa mortun* Röding, 1798  
*Drupa ricinus* (Linné, 1758)  
*Drupa rubusidaeus* Röding, 1798

*Drupella cornus* (Röding, 1798)  
*Drupella eburnea* (Küster, 1862)  
*Drupella fragum* (Blainville, 1832)  
*Drupella rugosa* (Born, 1778)  
*Ergalatax contracta* (Reeve, 1846)  
*Ergalatax margariticola* (Broderip, 1833)  
*Favartia brevicula* (Sowerby, 1834)  
*Favartia conleyi* Houart, 1999  
*Favartia crouchi* (Sowerby, 1894)  
*Favartia funafutiensis* (Hedley, 1899)  
*Favartia leonae* (D'Attilio, 1985)  
*Favartia maculata* (Reeve, 1845)  
*Favartia menoui* Houart, 1990  
*Favartia minatauros* Radwin & D'Attilio, 1976  
*Favartia rosamiae* (D'Attilio & Myers, 1985)  
*Favartia voordwindei* (Hinds, 1844)  
*Haustellum haustellum* (Linné, 1758)  
*Homalocantha anomaliae* Kosuge, 1979  
*Homalocantha lamberti* (Poirier, 1883)  
*Homalocantha pele* (Pilsbry, 1918)  
*Ingensia ingens* (Houart, 1987)  
*Lataxiena desserti* Houart, 1995  
*Leptoconchus lamarckii* Deshayes, 1863  
*Leptoconchus peronii* (Lamarck, 1818)  
*Lindapterys murex* (Hedley, 1922)  
*Litozamia tropis* Houart, 1995  
*Maculotrion serriale* (Deshayes, 1834)  
*Magilus antiquus* (Montfort, 1810)  
*Monstrotyphis carolinae* (Houart, 1987)  
*Monstrotyphis imperialis* (Keen & Campbell, 1969)  
*Monstrotyphis singularis* Houart, 2002  
*Monstrotyphis yatesi* (Crosse & Fischer, 1865)  
*Morula albanigra* Houart, 2002  
*Morula ambrosia* (Houart, 1995)  
*Morulaanaxares* (Kiener, 1835)  
*Morula angulata* (Sowerby, 1893)  
*Morula aspera* (Lamarck, 1822)  
*Morula bicatenata* (Reeve, 1845)  
*Morula biconica* (Blainville, 1832)  
*Morula dichrous* (Tapparone Canefri, 1880)  
*Morula echinata* (Reeve, 1846)  
*Morula euryspira* Houart, 1995  
*Morula granulata* (Duclos, 1832)  
*Morula lepida* Houart, 1995  
*Morula nodulifera* (Menke, 1829)  
*Morula purpureocincta* (Preston, 1909)  
*Morula spinosa* (A. Adams, 1853)  
*Morula striata* (Pease, 1868)  
*Morula uva* (Röding, 1798)  
*Morula zebrina* Houart, 2004  
*Murex tenuirostrum* Lamarck, 1822  
*Murex tribulus* Linné, 1758  
*Murexsul cuspidatus* (Sowerby, 1879)  
*\*Murexsul micra* Houart, 2001  
*Muricodrupa fenestrata* (Blainville, 1832)

*Muricodrupa fiscella* (Gmelin, 1791)  
*Muricopsis spiculus* Houart, 1987  
*Naquetia barclayi* (Reeve, 1845)  
*Naquetia cumingii* (A. Adams, 1853)  
*Naquetia triqueter* (Born, 1778)  
*Nassa sarta* (Bruguière, 1789)  
*Orania adiaastolos* Houart, 1995  
*Orania archaea* Houart, 1995  
*Orania badia* (Reeve, 1845)  
*Orania fischeriana* (Tapparone Canefri, 1882)  
*Orania pacifica* (Nakayama, 1988)  
*Pascula darrosensis* (E.A. Smith, 1884)  
*Pascula muricata* (Reeve, 1846)  
*Pascula ochrostoma* (Blainville, 1832)  
*Phrygiomurex sculptilis* (Reeve, 1844)  
*Ptyllocoma convoluta* (Broderip, 1833)  
*Pteryinarchia barclayana* (H. Adams, 1873)  
*Pteryinarchia bouteti* Houart, 1990  
*Pteryinarchia martinetana* (Röding, 1798)  
*Pteryinarchia triptera* (Born, 1778)  
*Pteryinotus elongatus* (Lightfoot, 1786)  
*Pteryinotus pellucidus* (Reeve, 1845)  
*Pteryinotus pinnatus* (Swainson, 1822)  
*Purpura persica* (Linné, 1758)  
*Rapa incurva* (Dunker, 1852)  
*Rapa rapa* (Linné, 1758)  
*Rapana rapiformis* (Born, 1778)  
*Rhizochilus cf antipathum* Steenstrup, 1850  
*Semiricinula marginatra* (Blainville, 1832)  
*Semiricinula muricoides* (Blainville, 1832)  
*Semiricinula nodosa* (Hombron & Jacquinot, 1841)  
*Semiricinula squamosa* (Pease, 1868)  
*Semiricinula turbinoides* (Blainville, 1832)  
*Spinidruga euracantha* (A. Adams, 1853)  
*Stramonita armigera* (Link, 1807)  
*Thais aculeatus* (Link, 1807)  
*Thais alouina* (Röding, 1798)  
*Thais echinata* (Blainville, 1832)  
*Thais echinulata* (Lamarck, 1822)  
*Thais intermedia* (Kiener, 1835)  
*Thais tuberosa* (Röding, 1798)  
*Thais virgatus* (Dillwyn, 1817)  
*Typhisala neocaledonicus* (Houart, 1987)  
*Vitularia crenifer* (Montrouzier, 1861)  
*Vitularia miliaris* (Gmelin, 1791)  
*Vokesimurex kiiensis* (Kira, 1959)

**COSTELLARIIDAE** Mac Donald, 1860 A. Robin, pers. com.

*Thala exilis* (Reeve, 1845)  
*Thala jaculanda* (Gould, 1860)  
*Thala mirifica* (Reeve, 1845)  
*Vexillum acupitum* (Reeve, 1844)  
*Vexillum albotaeiatum* (Hervier, 1897)  
*Vexillum amabile* (Hervier, 1897)  
*Vexillum amanda* (Reeve, 1845)  
*Vexillum cf amanda* (Reeve, 1845)

*Vexillum bizonale* (Dautzenberg & Bouge, 1923)  
*Vexillum cadaverosum* (Reeve, 1844)  
*Vexillum cancellarioides* (Anton, 1838)  
*Vexillum consanguinea* (Reeve, 1845)  
*Vexillum coronatum* (Helbling, 1779)  
*Vexillum costatum* (Gmelin, 1791)  
*Vexillum crocatum* (Lamarck, 1811)  
*Vexillum cumingi* (Reeve, 1844)  
*Vexillum deshayesi* (Reeve, 1844)  
*Vexillum diamesa* (Hervier, 1897)  
*Vexillum discolorium* (Reeve, 1845)  
*Vexillum diutenerum* (Hervier, 1897)  
*Vexillum exasperatum* (Gmelin, 1791)  
*Vexillum exquisitum* (Garrett, 1873)  
*Vexillum festum* (Reeve, 1845)  
*Vexillum fortiplicatum* (Pease, 1868)  
*Vexillum fuscoapicatum* (E.A. Smith, 1879)  
*Vexillum cf fuscoapicatum* (E.A. Smith, 1879)  
*Vexillum goubini* (Hervier, 1897)  
*Vexillum granosum* (Gmelin, 1791)  
*Vexillum gruneri* (Reeve, 1844)  
*Vexillum hervieri* (Dautzenberg & Bouge, 1923)  
*Vexillum humilis* (Hervier, 1897)  
*Vexillum infaustum* (Reeve, 1845)  
*Vexillum interruptum* (Anton, 1838)  
*Vexillum interstriatum* (Sowerby, 1870)  
*Vexillum intertaeniatum* (Sowerby, 1874)  
*Vexillum kuiperi* Turner, 2006  
*Vexillum lanceolatum* (Hervier, 1897)  
*Vexillum leucodesmum* (Reeve, 1845)  
*Vexillum leucozonias* (Deshayes, 1834)  
*Vexillum ligatum* (Adams, 1853)  
*Vexillum loyaltiensis* (Hervier, 1897)  
*Vexillum lucidum* (Reeve, 1845)  
*Vexillum luculentum* (Reeve, 1845)  
*Vexillum lyratum* (Lamarck, 1822)  
*Vexillum melongena* Lamarck, 1811  
*Vexillum michau* (Crosse & Fischer, 1864)  
*Vexillum microzonias* (Lamarck, 1811)  
*Vexillum millicostatum* (Broderip, 1836)  
*Vexillum mirabile* (A. Adams, 1853)  
*Vexillum modestum* (Reeve, 1845)  
*Vexillum mutabile* (Reeve, 1845)  
*Vexillum nitidissimum* (Melvill & Standen, 1895)  
*Vexillum cf nitidissimum* (Melvill & Standen, 1895)  
*Vexillum obeliscus* (Reeve, 1844)  
*Vexillum obtusispinosum* (Sowerby, 1874)  
*Vexillum ochracea* (Hervier, 1897)  
*Vexillum pacificum* (Reeve, 1845)  
*Vexillum pagodula* (Hervier, 1897)  
*Vexillum pardale* (Küster, 1840)  
*Vexillum patriarchale* (Gmelin, 1791)  
*Vexillum perrieri* (Dautzenberg, 1929)  
*Vexillum plurinotatum* (Hervier, 1897)  
*Vexillum polygonum* (Gmelin, 1791)

*Vexillum radix* (Sowerby, 1874)  
*Vexillum rhodochroa* (Hervier, 1897)  
*Vexillum roseotinctum* (Hervier, 1897)  
*Vexillum rubricatum* (Reeve, 1845)  
*Vexillum rubrum* (Broderip, 1836)  
*Vexillum rufobalteatum* (Hervier, 1897)  
*Vexillum rusticum* (Reeve, 1845)  
*Vexillum sanguisuga* (Linné, 1758)  
*Vexillum sculptile* (Reeve, 1845)  
*Vexillum semifasciatum* (Lamarck, 1811)  
*Vexillum semisculptum* (Adams & Reeve, 1850)  
*Vexillum smithi* (Sowerby, 1889)  
*Vexillum speciosum* (Reeve, 1844)  
*Vexillum subdivisum* (Gmelin, 1791)  
*Vexillum subquadratum* (Sowerby, 1874)  
*Vexillum suluense* (Adams & Reeve, 1850)  
*Vexillum taeniatum* (Lamarck, 1811)  
*Vexillum turben* (Reeve, 1844)  
*Vexillum turrigerum* (Reeve, 1845)  
*Vexillum tusum* (Reeve, 1845)  
*Vexillum unifascialis* (Lamarck, 1811)  
*Vexillum cf unifascilis* (Lamarck, 1811)  
*Vexillum unifasciatum* (Wood, 1828)  
*Vexillum vercundulum* (Hervier, 1897)  
*Vexillum vibex* (A. Adams, 1853)  
*Vexillum virgo* (Linné, 1767)  
*Vexillum vulpeculum* (Linné, 1758)  
*Vexillum zebuense* (Reeve, 1844)  
*Vexillum zelotypum* (Reeve, 1845)

**CYSTITISCIDAE** Stimpson, 1865 F. Boyer, com. pers.

*Crithe caledonica* Boyer, 2003  
*Crithe gofasi* Boyer, 2003  
*Cystiscus aurantius* Boyer, 2003  
*Cystiscus boucheti* Boyer, 2003  
*Cystiscus bougei* (Bavay, 1917)  
*Cystiscus caeruleus* Boyer, 2003  
*Cystiscus camelopardalis* Boyer, 2003  
*Cystiscus cooverti* Boyer, 2003  
*Cystiscus deltoides* Boyer, 2003  
*Cystiscus goubini* (Bavay, 1922)  
*Cystiscus marshalli* Boyer, 2003  
*Cystiscus matoensis* Wakefield & McCleery, 2006  
*Cystiscus minor* Boyer, 2003  
*Cystiscus montrouzieri* (Bavay, 1922)  
*Cystiscus pardus* Boyer, 2003  
*Cystiscus pseudoaurantius* Boyer, 2003  
*Cystiscus punctatus* Boyer, 2003  
*Cystiscus tricinctus* Boyer, 2003  
*Cystiscus viridis* Boyer, 2003  
*Gibberula cincta* Boyer, 2003  
*Gibberula lifouana* (Crosse, 1871)  
*Gibberula cf philippii* (Monterosato, 1878)  
*Gibberula squamosa* Boyer, 2003  
*Plesiocystiscus bavayi* Boyer, 2003  
*Plesiocystiscus cf bavayi* Boyer, 2003  
*Plesiocystiscus tonlini* (Bavay, 1917)

**HARPIDAE** Bronn, 1849

*Harpa amouretta* (Röding, 1798)

*Harpa harpa* (Linné, 1758)

*Harpa major* (Röding, 1798)

*Morum ponderosum* (Hanley, 1858)

**MARGINELLIDAE** Fleming, 1828 F. Boyer, com. pers.

*Dentimargo montrouzieri* Boyer, 2003

*Dentimargo suavis* (Souverbie, 1859)

*Dentimargo subventricosior* (Souverbie, 1863)

*Dentimargo cf subventricosior* (Souverbie, 1863)

*Granulina hedleyi* Boyer, 2003

*Granulina mariei* (Crosse, 1867)

*Granulina pruinosa* Boyer, 2003

*Hydroginella caledonica* (Jousseaume, 1877)

\**Marginella hervieri* Bavay, 1922

\**Marginella turbiniformis* Bavay, 1917

*Pugnus cf parvus* Hedley, 1896

*Volvarina armonica* Cossignani, 1997

**MITRIDAE** Swainson, 1829 A. Robin, com. pers.

*Domiporta carnicolor* (Reeve, 1844)

*Domiporta filaris* (Linné, 1771)

*Domiporta granatina* (Lamarck, 1811)

*Domiporta praestantissima* (Röding, 1798)

*Imbricaria conovula* (Quoy & Gaimard, 1833)

*Imbricaria conularis* (Lamarck, 1811)

*Imbricaria olivaeformis* (Swainson, 1821)

*Imbricaria punctata* (Swainson, 1821)

*Imbricaria vanikoroensis* (Quoy & Gaimard, 1833)

*Mitra acuminata* Swainson, 1824

*Mitra amauro* Hervier, 1897

*Mitra ambigua* Swainson, 1829

*Mitra assimilis* Pease, 1868

*Mitra aurantia* (Gmelin, 1791)

*Mitra auriculoides* Reeve, 1845

*Mitra aurora* Dohrn, 1861

*Mitra aurora floridula* Sowerby, 1874

*Mitra avenacea* Reeve, 1845

*Mitra bernhardina* (Röding, 1798)

*Mitra cardinalis* (Gmelin, 1791)

*Mitra chrysalis* Reeve, 1844

*Mitra chrysostoma* Broderip, 1836

*Mitra coffea* Schubert & Wagner, 1829

*Mitra contracta* Swainson, 1820

*Mitra coronata* Lamarck, 1821

*Mitra cucumerina* Lamarck, 1811

*Mitra decurtata* Reeve, 1844

*Mitra doliolum* Küster, 1839

*Mitra edentula* Swainson, 1823

*Mitra eremitarum* Röding, 1798

*Mitra fastigium* Reeve, 1845

*Mitra ferruginea* Lamarck, 1811

*Mitra fraga* Quoy & Gaimard, 1833

*Mitra fulvescens* Broderip, 1836

*Mitra imperialis* Röding, 1798

*Mitra incompta* (Lightfoot, 1786)

*Mitra lienardi* Sowerby, 1874

*Mitra litterata* Lamarck, 1811  
*Mitra luctuosa* A. Adams, 1853  
*Mitra lugubris* Swainson, 1821  
*Mitra mitra* (Linné, 1758)  
*Mitra papalis* (Linné, 1758)  
*Mitra paupercula* (Linné, 1758)  
*Mitra peculiaris* Reeve, 1845  
*Mitra pelliserpentis* Reeve, 1844  
*Mitra petrosa* Sowerby, 1874  
*Mitra proscissa* Reeve, 1844  
*Mitra pudica* Pease, 1860  
*Mitra pyramis* (Wood, 1828)  
*Mitra retusa* Lamarck, 1811  
*Mitra rosacea* Reeve, 1845  
*Mitra rubritincta* Reeve, 1844  
*Mitra scutulata* (Gmelin, 1791)  
*Mitra sophiae* Crosse, 1862  
*Mitra strictica* (Link, 1807)  
*Mitra tabanula* Lamarck, 1811  
*Mitra takiisaoi* (Kuroda & Sakurai, 1959)  
*Mitra telescopium* Reeve, 1844  
*Mitra ticaonica* Reeve, 1844  
*Mitra tuberosa* (Reeve, 1845)  
*Mitra turgida* Reeve, 1845  
*Mitra typha* Reeve, 1845  
*Mitra ustulata* Reeve, 1844  
*Mitra vultuosa* Reeve, 1845  
*Neocancilla circula* (Kiener, 1838)  
*Neocancilla clathrus* (Gmelin, 1791)  
*Neocancilla papilio* (Link, 1807)  
*Neocancilla takiisaoi* (Kuroda, 1959)  
*Pterygia arctata* (Sowerby, 1874)  
*Pterygia crenulata* (Gmelin, 1791)  
*Pterygia dactylus* (Linné, 1767)  
*Pterygia fenestrata* (Lamarck, 1811)  
*Pterygia nucea* (Gmelin, 1791)  
*Pterygia scabricula* (Linné, 1758)  
*Scabricola casta* (Gmelin, 1791)  
*Scabricola coriacea* (Reeve, 1845)  
*Scabricola desetangsi* (Kiener, 1838)  
*Scabricola eximia* (A. Adams, 1853)  
*Scabricola fusca* (Swainson, 1824)  
*Scabricola ocellata* (Swainson, 1821)  
*Scabricola potensis* (Montrouzier, 1858)  
*Scabricola variegata* (Gmelin, 1791)  
*Ziba annulata* (Reeve, 1844)  
*Ziba bacillum* (Lamarck, 1811)  
*Ziba fulgetrum* (Reeve, 1844)  
*Ziba insculpta* (A. Adams, 1853)  
*Ziba interlirata* (Reeve, 1844)  
*Ziba rehderi* (Webb, 1958)  
*Ziba verrucosa* (Reeve, 1845)

**TURBINELLIDAE** Swainson, 1835

*Vasum turbinellum* (Linné, 1758)  
*Turbinella noumeensis* Crosse, 1870



**VOLUTIDAE** Rafinesque, 1815 P. Bail, com. pers.

- Cymbiola deshayesi* (Reeve, 1855)
- Cymbiola rossiniana* (Bernardi, 1859)
- Cymbiolacca thatcheri* (McCoy, 1868)
- Lyria grangei* Cernohorsky, 1980
- Lyria deliciosa* (Montrouzier, 1859)

**OLIVIDAE** Latreille, 1825 *Oliva*: species cited from New Caledonia by Tursch & Greifeneder (2001);  
*Belloлива*: Kantor & Bouchet (MS).

- Amalda montrouzieri* (Souverbie, 1860)
- Belloлива exquisita* (Angas, 1871)
- Belloлива simplex* (Pease, 1868)
- Oliva caerulea* (Röding, 1798)
- Oliva carneola* (Gmelin, 1791)
- Oliva faba* Marrat, 1867
- Oliva hirasei* Kira, 1959
- Oliva irisans* Lamarck, 1811
- Oliva miniacea* (Röding, 1798)
- Oliva panniculata* Duclos, 1835
- Oliva reticulata* (Röding, 1798)
- Oliva sericea* (Röding, 1798)
- Oliva tigridella* Duclos, 1835
- Oliva todosina* Duclos, 1840
- Oliva vidua* (Röding, 1798)

**OLIVELLIDAE** Troschel, 1869 No recent review or update. One species described from Lifou is included for reference, but nomenclature may not be accurate.

- Olivella williamsi* Melvill & Standen, 1897

**CONIDAE** Fleming, 1822 Sources : Estival (1981), Röckel et al. (XXX), and identifications by R. Moolenbeek, G. Richard and D. Röckel.

- Conus acutangulus* Lamarck, 1810
- Conus ammiralis* Linné, 1758
- Conus arenatus* Hwass in Bruguière, 1792
- Conus articulatus* Sowerby, 1873
- Conus aulicus* Linné, 1758
- Conus aureus* Hwass, 1792
- Conus auricomus* Hwass, 1792
- Conus balteatus* Sowerby I, 1833
- Conus balteatus pigmentatus* A. Adams & Reeve, 1848
- Conus bandanus* Hwass in Bruguière, 1792
- Conus betulinus* Linné, 1758
- Conus bullatus* Linné, 1758
- Conus canonicus* Hwass, 1792
- Conus capitaneus* Linné, 1758
- Conus catus* Hwass, 1792
- Conus chaldeus* Röding, 1798
- Conus cinereus* Hwass, 1792
- Conus circumnactus* Iredale, 1939
- Conus coccineus* Gmelin, 1791
- Conus coelinae* Crosse, 1858
- Conus connectens* A. Adams, 1855
- Conus consors* Sowerby I, 1833
- Conus coronatus* Gmelin, 1791
- Conus crocatus* Lamarck, 1810
- Conus cylindraceus* Broderip & Sowerby, 1830
- Conus distans* Hwass, 1792
- Conus ebraeus* Linné, 1758

*Conus eburneus* Hwass in Bruguière, 1792  
*Conus emaciatatus* Reeve, 1849  
*Conus episcopatus* Da Motta, 1982  
*Conus exiguus* Lamarck, 1810 [= *Conus bougei* Sowerby, 1907, *C. cabritii* Bernardi 1858, and *C. optimus* Sowerby, 1913]  
*Conus ferrugineus* Hwass in Bruguière, 1792  
*Conus figulinus* Linné, 1758  
*Conus frigidus* Reeve, 1848  
*Conus floccatus* Sowerby, 1839  
*Conus floridulus* A. Adams & Reeve, 1848  
*Conus frigidus* Reeve, 1848  
*Conus fulgetrum* Sowerby, 1834  
*Conus generalis* Linné, 1767  
*Conus geographus* Linné, 1758  
*Conus glans* Hwass in Bruguière, 1792  
*Conus granum* Fisheröder, 1985  
*Conus imperialis* Linné, 1758  
*Conus kermadecensis* Iredale, 1913  
*Conus kinioi* Habe, 1965  
*Conus lamberti* Souverbie, 1877  
*Conus legatus* Lamarck, 1810  
*Conus leopardus* Röding, 1798  
*Conus lienardi* Bernardi & Crosse, 1861  
*Conus litoglyphus* Hwass, 1792  
*Conus litteratus* Linné, 1758  
*Conus lividus* Hwass in Bruguière, 1792  
*Conus luteus* Sowerby, 1833  
*Conus magnificus* Reeve, 1843  
*Conus magnus* Linné, 1758  
*Conus marmoreus* Linné, 1758  
*Conus miles* Linné, 1758  
*Conus miliaris* Hwass in Bruguière, 1792  
*Conus mitratus* Hwass, 1792  
*Conus moluccensis* Küster, 1838  
*Conus monachus* Linné, 1758  
*Conus moreleti* Crosse, 1858  
*Conus muriculatus* Sowerby I, 1833  
*Conus musicus* Hwass in Bruguière, 1792  
*Conus mustellinus* Hwass in Bruguière, 1792  
*Conus nussatella* Linné, 1758  
*Conus obscurus* Sowerby, 1833  
*Conus omaria* Hwass, 1792  
*Conus orbigny* Audouin, 1831  
*Conus pertusus* Hwass in Bruguière, 1792  
*Conus planorbis* Born, 1778  
*Conus pulicarius* Hwass in Bruguière, 1792  
*Conus quercinus* Lightfoot, 1786  
*Conus rattus* Hwass in Bruguière, 1792  
*Conus retifer* Menke, 1829  
*Conus sanguinolentus* Quoy & Gaimard, 1834  
*Conus sazanka* Shikama, 1970  
*Conus scabriusculus* Dillwyn, 1817  
*Conus spectabilis* Adams, 1853  
*Conus sponsalis* Hwass in Bruguière, 1792  
*Conus striatellus* Link, 1807

*Conus striatus* Linné, 1758  
*Conus sugillatus* Reeve, 1844  
*Conus sulcatus* Hwass, 1792  
*Conus swainsoni* Estival, 1986  
*Conus terebra* Born, 1778  
*Conus tessulatus* Born, 1778  
*Conus textile* Linné, 1758  
*Conus tirardi* Röckel & Moolenbeek, 1996  
*Conus tulipa* Linné, 1758  
*Conus varius* Linné, 1758  
*Conus vexillum* Gmelin, 1791  
*Conus virgo* Linné, 1758  
*Conus vitulinus* Hwass, 1792

**«TURRIDAE»** All Conoidea except *Conus* and Terebridae are included here under the polyphyletic assemblage «Turridae». In New Caledonia as elsewhere the group is in need of revision. 504 morphospecies have been segregated by A. Sysoev and D. Brabant in the 0-100 m depth range. The species listed have two sources : (a) Species described or recorded from Lifou and elsewhere in New Caledonia; identification and nomenclature may not be accurate; (b) Species identified by R. Kilburn, com. pers.

*Agladrillia nitens* (Hinds, 1843)  
*Anacithara dulcinea* (Melvill & Standen, 1895)  
*Anacithara ione* (Melvill & Standen, 1896)  
*Anacithara lita* (Melvill & Standen, 1896)  
*Anacithara nanisca* (Hervier, 1897)  
*Anacithara themeropis* (Melvill & Standen, 1896)  
*Anarithuna alphonsiana* (Hervier, 1899)  
*Anarithuna metula* (Hinds, 1843)  
*Carinapex minutissima* (Garrett, 1873)  
*Ceritoturris papillosa* (Garrett, 1873)  
*Ceritoturris pupiformis* (E.A. Smith, 1884)  
*Ceritoturris suavis* (Hervier, 1896)  
*Clathurella aubryana* (Hervier, 1896)  
*Clathurella blanfordi* G. & H. Nevill, 1875  
*Clathurella caletria* Melvill & Standen, 1896  
*Clathurella cf. crosseana* (Hervier, 1896)  
*Clathurella ephela* Hervier, 1897  
*Clathurella fallax* (G. & H. Nevill, 1875)  
*Clathurella giliberti* (Souverbie in Souverbie & Montrouzier, 1874)  
*Clathurella idiomorpha* Hervier, 1897  
*Clathurella iospira* Hervier, 1897  
*Clathurella leucostigmata* (Hervier, 1896)  
*Clathurella longa* Melvill & Standen, 1896  
*Clathurella nigrotincta* (Montrouzier, 1872)  
*Clathurella perangulata* Hervier, 1897  
*Clathurella rhodacme* (Melvill & Standen, 1896)  
*Clathurella rosella* (Hedley, 1922)  
*Clathurella roseotincta* (Montrouzier, 1872)  
*Clathurella rubida* (Hinds, 1843)  
*Clathurella spyridula* Melvill & Standen, 1896  
*Clathurella squarrosa* Hervier, 1897  
*Clathurella subfelina* Hervier, 1897  
*Clavus exasperatus* Reeve, 1843  
*Clavus huminis* (E.A. Smith, 1879)  
*Clavus laetus* (Hinds, 1843)  
*Clavus lamberti* (Montrouzier, 1860)  
*Clavus leforestieri* Hervier, 1896

*Clavus protentus* Hervier, 1896  
*Clavus rugizonatus* Hervier, 1896  
*Clavus unizonalis* (Lamarck, 1822)  
*Clavus bilineatus* (Reeve, 1845)  
*Clavus obliquicostatus* (Reeve, 1845)  
*Cochlespira pulchella* (Schepman, 1913)  
*Crassispira cerathina* (Anton, 1838)  
*Crassispira latiriformis* (Melvill, 1923)  
*Crassispira quadrilirata* (E. A. Smith, 1882)  
*Daphnella bohokensis* (Reeve, 1843)  
*Daphnella dentata* (Souverbie, 1869)  
*Daphnella galactosticta* Hervier, 1897  
*Daphnella interrupta* Pease, 1860  
*Daphnella lifouana* (Hervier, 1897)  
*Daphnella mitrellaformis* (Nomura, 1940)  
*Daphnella ornata* (Hinds, 1844)  
*Daphnella pluricarinata* (Reeve, 1845)  
*Daphnella radula* Pilsbry, 1904  
*Daphnella reeveana* (Deshayes, 1863)  
*Daphnella terina* Melvill & Standen, 1896  
*Daphnella thespesia* Melvill & Standen, 1896  
*Daphnella cf ticaonica* (Reeve, 1845)  
*Daphnella varicosa* Souverbie in Souverbie & Montrouzier, 1874  
*Daphnella vitrea* Garrett, 1873  
*Daphnella xylois* Melvill & Standen, 1901  
*Daphnella atractoides* Hervier, 1897  
*Diaugasma olyra* (Reeve, 1845)  
*Drillia carnicolor* Hervier, 1896  
*Drillia cygnea* Melvill & Standen, 1897  
*Drillia mariesi* Souverbie in Melvill & Standen, 1897  
*Drillia rougeyroni* (Souverbie in Souverbie & Montrouzier, 1874)  
*Etrema aliciae* (Melvill & Standen, 1895)  
*Etrema alphonsiana* (Hervier, 1896)  
*Eucithara crystallina* (Hervier, 1897)  
*Eucithara diaglypha* (Hervier, 1897)  
*Eucithara lepidella* (Hervier, 1897)  
*Eucithara semizonata* (Hervier, 1897)  
*Eucithara bascauda* (Melvill & Standen, 1896)  
*Eucithara capillata* (Hervier, 1897)  
*Eucithara celebensis* (Hinds, 1843)  
*Eucithara cincta* (Reeve, 1846)  
*Eucithara conohelicoides* (Reeve, 1846)  
*Eucithara coronata* (Hinds, 1843)  
*Eucithara delacouriana* (Crosse, 1869)  
*Eucithara eumerista* (Melvill & Standen, 1896)  
*Eucithara gracilis* (Reeve, 1846)  
*Eucithara harpellina* (Hervier, 1897)  
*Eucithara isseli* (Nevill, 1875)  
*Eucithara paucicostata* (Pease, 1868)  
*Eucithara subgibbosa* (Hervier, 1897)  
*Eucithara subglobosa* (Hervier, 1897)  
*Eucyclostoma cymatodes* (Hervier, 1899)  
*Eucyclostoma cf fusiformis* (Garrett, 1873)  
*Eucyclostoma tricarinata* (Kiener, 1840)  
*Funa formidabilis* (Hedley, 1922)

*Funa theoreta* (Melvill, 1899)  
*Gemmula graeffei* (Weinkauff, 1875)  
*Gingicithara lyrica* (Reeve, 1846)  
*Glyphostoma fastigiatum* Hervier, 1896  
*Glyphostoma jousseaumei* Hervier, 1896  
*Glyphostoma lamproideum* Hervier, 1896  
*Glyphostoma parthenicum* Hervier, 1896  
*Glyphostoma tigroidellum* Hervier, 1896  
*Glyphostoma trigonostomum* Hervier, 1896  
*Glyphostomoides queenslandica* (Shuto, 1983)  
*Guraleus cf pulchripicta* (Melvill & Standen, 1901)  
*Gymnobela itama* (Melvill & Standen, 1906)  
*Hemilienardia albostrigata* (Baird, 1873)  
*Hemilienardia apiculatum* (Montrouzier, 1864)  
*Hemilienardia hersilia* (Hedley, 1922)  
*Hemilienardia thyridota* (Melvill & Standen, 1896)  
*Hemilienardia ocellata* (Jousseaume, 1884)  
*Heterocithara himerodes* (Melvill & Standen, 1896)  
*Heterocithara himerta* Melvill & Standen, 1896  
*Heterocithara cf later* (Smith, 1888)  
*Inquisitor rubrozonatus* (Schepman, 1913)  
*Inquisitor taivaricosa* Chang & Wu, 2000  
*Iredalea balteata* Gould, 1860  
*Iredalea inclinata* (Sowerby, 1893)  
*Iredalea pupoidea* (H. Adams, 1872)  
*Kernia albibalteata* (Reeve, 1843)  
*Kernia barnardi* (Brazier, 1876)  
*Kernia bifasciata* (Pease, 1860)  
*Kernia cf dentifera* (Hinds, 1843)  
*Kernia edychroa* (Hervier, 1897)  
*Kernia episema* (Melvill & Standen, 1896)  
*Kernia globulosa* (Hervier, 1896)  
*Kernia granosa* (Dunker, 1871)  
*Kernia irreritia* (Hedley, 1899)  
*Kernia melanoxytum* (Hervier, 1896)  
*Kernia punila* (Mighels, 1845)  
*Kernia punctifera* (Garrett, 1873)  
*Kernia cf retellaria* (Hedley, 1922)  
*Kernia spelaeodea* (Hervier, 1897)  
*Kernia subcylindrica* (Hervier, 1897)  
*Leiocithara apollinea* (Melvill & Standen, 1904)  
*Lienardia compta* (Reeve, 1845)  
*Lienardia cremonilla* (Melvill & Standen, 1895)  
*Lienardia disconica* (Hervier, 1896)  
*Lienardia guidei* (Hervier, 1896)  
*Lienardia goubini* (Hervier, 1896)  
*Lienardia marchei* (Jousseaume, 1884)  
*Lienardia purpurata* (Souverbie, 1860)  
*Lienardia calcicincta* (Melvill & Standen, 1895)  
*Lienardia strombilla* (Hervier, 1896)  
*Lophiotoma abbreviata* (Reeve, 1843)  
*Lophiotoma acuta* (Perry, 1811)  
*Lophiotoma albina* (Lamarck, 1822)  
*Lophiotoma brevicaudata* (Reeve, 1843)  
*Lophiotoma hastula* (Reeve, 1843)

*Lophiotoma picturata* (Weinkauff, 1875)  
*Lophiotoma ruthueniana* (Melvill, 1923)  
*Macteola interrupta* (Reeve, 1846)  
*Macteola segesta* (Chenu, 1850)  
*Macteola theskela* (Melvill & Standen, 1895)  
*Mangelia calathiscus* (Melvill & Standen, 1896)  
*Mangelia dialitha* (Melvill & Standen, 1896)  
*Mangelia rogersi* (Melvill & Standen, 1896)  
*Mangelia orophoma* (Melvill & Standen, 1896)  
*Mangelia thalera* (Melvill & Standen, 1896)  
*Mangelia thalykra* (Melvill & Standen, 1896)  
*Mangelia theoteles* (Melvill & Standen, 1896)  
*Mangelia thereganum* Melvill & Standen, 1896  
*Mangelia thesaurista* (Melvill & Standen, 1896)  
*Mangelia thiasotes* (Melvill & Standen, 1896)  
*Mangilia balansai* (Crosse, 1873)  
*Mangilia chrysolitha* Melvill & Standen, 1896  
*Mangilia colombi* Hervier, 1897  
*Mangilia dealbata* Hervier, 1897  
*Mangilia diatula* Hervier, 1897  
*Mangilia euselma* Melvill & Standen, 1896  
*Mangilia isodoma* Hervier, 1897  
*Mangilia isophanes* Hervier, 1897  
*Mangilia latirella* (Melvill & Standen, 1896)  
*Mangilia notopyrrha* Melvill & Standen, 1896  
*Mangilia signum* Melvill & Standen, 1896  
*Mangilia stibarochila* Melvill & Standen, 1896  
*Mangilia thepalea* (Melvill & Standen, 1896)  
*Microdaphne morrisoni* Rehder, 1980  
*Neogulareus cf vulgata* (Thiele, 1925)  
*Neoguraleus trizonata* (E.A. Smith, 1882)  
*Nepotilla tropicalis* (Hedley, 1922)  
*Paradrillia regia* Reeve, 1842  
*Philbertia apicalis* (Montrouzier, 1861)  
*Philbertia daedalea* (Garrett, 1873)  
*Philbertia felina* (Hinds, 1843)  
*Philbertia phaedra* (Hervier, 1897)  
*Philbertia cf producta* (Pease, 1860)  
*Philbertia rufolirata* (Hervier, 1897)  
*Plagiostropha gibberula* (Hervier, 1896)  
*Plagiostropha turrata* Wells, 1995  
*Pleurotoma coniformis* Souverbie, 1875  
*Pseudodaphnella cf aureotincta* (Hervier, 1897)  
*Pseudodaphnella caelata* (Garrett, 1873)  
*Pseudodaphnella cnephaea* (Melvill & Standen, 1897)  
*Pseudodaphnella granicostata* (Reeve, 1846)  
*Pseudodaphnella hadfieldi* (Melvill & Standen, 1895)  
*Pseudodaphnella maculosa* (Pease, 1863)  
*Pseudodaphnella nexa* (Reeve, 1845)  
*Pseudodaphnella oligoia* Hedley, 1922  
*Pseudodaphnella philippinensis* (Reeve, 1845)  
*Pseudodaphnella ramsayi* (Brazier, 1876)  
*Pseudodaphnella rubroguttata* (H. Adams, 1872)  
*Pseudodaphnella subspurcum* (Hervier, 1896)  
*Pseudodaphnella tincta* (Reeve, 1846)

*Pseudoraphitoma agna* (Melvill & Standen, 1896)  
*Splendrillia persica* (Smith, 1888)  
*Taranidaphne granata* (Hedley, 1922)  
*Tritonoturris amabilis* (Hinds, 1843)  
*Tritonoturris* cf *buccinoides* Shuto, 1963  
*Tritonoturris cunningi* (Powys, 1835)  
*Tritonoturris macandrew* (E.A. Smith, 1882)  
*Tritonoturris menecharmes* (Melvill, 1923)  
*Tritonoturris subbrissoides* (Hervier, 1897)  
*Turridrupa acutigeminata* (E.A. Smith, 1877)  
*Turridrupa anbofasciata* (E.A. Smith, 1877)  
*Turridrupa astricta* (Reeve, 1843)  
*Turridrupa bijubata* (Reeve, 1843)  
*Turridrupa cincta* (Lamarck, 1822)  
*Turridrupa diffusa* Powell, 1967  
*Turridrupa jubata* (Reeve, 1843)  
*Turridrupa weaveri* Powell, 1967  
*Turris crista* (Lamarck, 1816)  
*Turris cristata* Vera Pelaez, Vega & Lozano, 2000  
*Turris cryptorrhaphe* (Sowerby, 1825)  
*Turris garnonsii* (Reeve, 1843)  
*Turris spectabilis* (Reeve, 1843)  
*Vepracula hedleyi* (Melvill, 1904)  
*Vepracula* cf *scala* Hedley, 1922  
*Vepracula spanionema* (Melvill, 1917)  
*Vepracula vepracula* Hedley, 1903  
*Xenoturris cingulifera* (Lamarck, 1822)  
*Xenoturris kingae* Powell 1964  
*Xenoturris millepunctata* (Sowerby, 1908)

**TEREBRIDAE** Mörch, 1852 Y. Terryn. com. pers.

*Duplicaria baileyi* (Bratcher & Cernohorsky, 1982)  
*Duplicaria teramachii* Burch, 1965  
*Duplicaria raphanula* Lamarck, 1822  
*Hastula albula* (Menke, 1843)  
*Hastula matheroniana* Deshayes, 1859  
*Hastula plumbea* Quoy & Gaimard, 1833  
*Hastula solida* Deshayes, 1857  
*Hastula lanceata* (Linné, 1767)  
*Terebra affinis* Gray, 1834  
*Terebra albocancellata* Bratcher, 1988  
*Terebra amanda* Hinds, 1844  
*Terebra amonea* Deshayes, 1859  
*Terebra anilis* (Röding, 1798)  
*Terebra areolata* (Link, 1807)  
*Terebra argus* Hinds, 1844  
*Terebra babylonia* Lamarck, 1822  
*Terebra caledonica* Sowerby, 1909  
*Terebra cerithina* Lamarck, 1822  
*Terebra chlorata* Lamarck, 1822  
*Terebra cingulifera* Lamarck, 1822  
*Terebra columellaris* Hinds, 1844  
*Terebra conspersa* Hinds, 1844  
*Terebra crenulata* (Linné, 1758)  
*Terebra cumingii* Deshayes, 1857  
*Terebra dimidiata* Linné, 1758

*Terebra exiguoides* Schepman, 1913  
*Terebra felina* Dillwyn, 1817  
*Terebra funiculata* Hinds, 1844  
*Terebra guttata* Röding, 1798  
*Terebra jenningsi* Burch, 1965  
*Terebra kilburni* Burch, 1965  
*Terebra laevigata* Gray, 1834  
*Terebra livida* Reeve, 1840  
*Terebra maculata* (Linné, 1758)  
*Terebra marmorata* Deshayes, 1859  
*Terebra nebulosa* Sowerby, 1825  
*Terebra parva* Baird, 1873  
*Terebra paucincisa* Bratcher, 1988  
*Terebra paucistriata* (E. A. Smith, 1873)  
*Terebra parkinsoni* Cernohorsky & Bratcher, 1976  
*Terebra pertusa* (Born, 1778)  
*Terebra punctatostriata* Gray, 1834  
*Terebra subulata* (Linné, 1767)  
*Terebra succincta* (Gmelin, 1791)  
*Terebra textilis* Hinds, 1844  
*Terebra tricolor* Sowerby, 1825  
*Terebra triseriata* Gray, 1834  
*Terebra trismacaria* Melvill, 1917  
*Terebra turrita* (E. A. Smith, 1873)  
*Terebra undulata* Gray, 1834  
*Terebra virgo* Schepman, 1913  
*Terenolla pygmaea* Hinds, 1844  
*Terebra valentinae* Aubry, 1999

**CANCELLARIIDAE** Forbes & Hanley, 1851

*Merica semperiana* (Crosse, 1863)  
*Scalptia bicolor* (Hinds, 1843)  
*Scalptia forestieri* (Souverbie & Montrouzier, 1863)  
*Scalptia lamberti* (Souverbie & Montrouzier, 1870)  
*Scalptia obliquata* (Lamarck, 1822)  
*Tritonoharpa angasi* (Brazier, 1877)  
*Tritonoharpa antiquata* (Hinds in Reeve, 1844)

**ORBITESTELLIDAE** Iredale, 1917 No recent review or update. 5 morphospecies present in Koumac.

**ACTEONIDAE** d'Orbigny, 1843 Species listed based on unpublished MS by W. Rudman

*Maxacteon flammea* (Gmelin, 1791)  
*Pupa affinis* (A. Adams, 1855)  
*Pupa alveola* (Souverbie, 1863)  
*Pupa coccinata* (Reeve, 1842)  
*Pupa nitidula* (Lamarck, 1822)  
*Pupa strigosa* (Gould, 1859)  
*Pupa solidula* Linné, 1758  
*Pupa sulcata* (Gmelin, 1791)

**APLUSTRIDAE** Gray, 1847 Based on unpublished MS by W. Rudman

*Hydatina amplustre* (Linné, 1758)  
*Hydatina physis* (Linné, 1758)  
*Hydatina zonata* (Lightfoot, 1786)

**BULLINIDAE** Gray, 1850 Based on unpublished MS by W. Rudman

*Bullina lineata* (Gray, 1825)  
*Bullina virrea* Pease, 1860



**ARCHITECTONICIDAE** Gray, 1850 Based on identifications by J. Trondlé

- Adelphotectonica reevei* (Hanley, 1849)
- Architectonica grandiosa* Iredale, 1931
- Architectonica maxima* (Philippi, 1849)
- Architectonica perspectiva* (Linné, 1758)
- Architectonica picta* (Philippi, 1849)
- Architectonica cf trochlearis* (Hinds, 1844)
- Granosolarium asperum* (Hinds, 1844)
- Heliacus areola* (Gmelin, 1791)
- Heliacus caelatus* (Hinds, 1844)
- Heliacus corallinus* Garrard, 1977
- Heliacus fenestratus* (Hinds, 1844)
- Heliacus cf fenestratum* (Hinds, 1844)
- Heliacus geminus* Bieler, 1993
- Heliacus implexus* (Mighels, 1845)
- Heliacus infundibuliformis* (Gmelin, 1791)
- Heliacus sterkii* Pilsbry & Vanatta, 1908
- Heliacus trochoides* (Deshayes, 1830)
- Heliacus cf turritus* Bieler, 1987
- Heliacus variegatus* (Gmelin, 1791)
- Psilaxis oxytropis* (A. Adams, 1855)
- Psilaxis radiatus* (Röding, 1798)
- Solatisonax supraradiata* (Martens, 1904)
- Spirolaxis cornuammonis* (Melvill & Standen, 1903)
- Spirolaxis rotulacatharinae* (Melvill & Standen, 1903)

**MATHILDIDAE** Dall, 1889 No recent review or update. 3 morphospecies present in Koumac. Species listed based on Bieler (1995)

- Mathilda amanda* Thiele, 1925
- Mathilda brevicula* Bavay, 1922

**OMALOGYRIDAE** G.O. Sars, 1878 No recent review or update. 5 morphospecies present in Koumac.

**PYRAMIDELLIDAE** Gray, 1840 No recent review or update. 163 morphospecies present in the Koumac, Touho, and Lifou sites.

- Pyramidella sulcata* (Sowerby, 1854)

**AMATHINIDAE** Ponder, 1987 No recent review or update. 1 morphospecies present in Koumac.

**MURCHISONELLIDAE** Casey, 1904 No recent review or update. 2 morphospecies present in Koumac.

**RINGICULIDAE** Philippi, 1853 No recent review or update. 4 morphospecies present in Koumac.

**RISSOELLIDAE** Gray, 1850 No recent review or update. 6 morphospecies present in Koumac.

**CORNIROSTRIDAE** Ponder, 1980 No recent review or update. 6 morphospecies present in Koumac.

**BULLIDAE** Gray, 1827 Under «Bullidae», Bouchet *et al.* (2002) recorded 56 morphospecies in Koumac; this should be understood as meaning «bullomorphs», i.e. an informal assemblage designating Bullidae, Haminoeidae, Cylichnidae, and Retusidae.

- Bulla ampulla* Linné, 1758

**DIAPHANIDAE** Odhner, 1914 (1857)

- Colpodaspis thompsoni* Brown, 1979

**HAMINOEIDAE** Pilsbry, 1895 See under Bullidae above. No recent review or update. Species listed here identified by W. Rudman, but present list not representative of the fauna actually present in New Caledonia.

- \**Atys cylindrica* "[http://www.medslugs.de/E/Pac-W/Atys\\_cylindrica\\_03.htm](http://www.medslugs.de/E/Pac-W/Atys_cylindrica_03.htm)"
- Atys naucum* (Linné, 1758)
- Haminoea cymbalum* (Quoy & Gaimard, 1833)
- Lilou curta* (A. Adams, 1850)

**SMARAGDINELLIDAE** Thiele, 1925

- Phanerophthalmus smaragdinus* (Ruppell & Leuckart, 1828)
- Smaragdina calyculata* (Broderip & Sowerby, 1829)

**PHILINIDAE** Gray, 1850 No recent review or update. Species listed here identified by W. Rudman, but present list not representative of the fauna actually present in New Caledonia.

*Philine caledonica* Risbec, 1951

*Philine orca* Gosliner, 1988

*Philine trapezia* Hedley, 1902

**AGLAJIDAE** Pilsbry, 1895 No recent review or update. 10 species present in Koumac. Species listed here identified by W. Rudman.

*Aglaja orientalis* Baba, 1949

*Chelinodura electra* Rudman, 1970

*Chelidonura hirundinina* (Quoy & Gaimard, 1832)

*Chelidonura inornata* Baba, 1949

*Chelinodura pallida* Risbec, 1951

*Chelinodura perparvum* (Risbec, 1928)

*Chelinodura varians* Eliot, 1903

*Odontogljaja guamensis* Rudman, 1978

*Philinopsis cyanea* (Martens, 1880)

*Philinopsis pilsbryi* (Eliot, 1900)

*Philinopsis reticulata* (Eliot, 1903)

**CYLICHNIDAE** H. Adams & A. Adams, 1854 See Remarks under Bullidae above. No recent review or update. Species listed here identified by A. Valdés, but present list not representative of the fauna actually present in New Caledonia.

*Cylichna biplicata* (A. Adams in Sowerby, 1850)

*Truncacteocina arata* (Watson, 1883)

**GASTROPTERIDAE** Swainson, 1840 No recent review or update. Present list not representative of the fauna actually present in New Caledonia.

*Gastropteron cf alboaurantium* Gosliner, 1984

*Siphopteron quadrispinosum* Gosliner, 1989

**RETUSIDAE** Thiele, 1925 No recent review or update. Species listed here identified by A. Valdés, but present list not representative of the fauna actually present in New Caledonia.

*Pyrunculus pyriformis* (A. Adams in Sowerby, 1850)

*Retusa famelica* Watson, 1883: 338.

*Retusa sulcata* (Watson, 1883)

**APLYSIIDAE** Lamarck, 1809 Based on unpublished MS by W. Rudman

*Aplysia dactylomela* Rang, 1828

*Aplysia cf parvula* Guilding in Morch, 1863

*Dolabella auricularia* (Lightfoot, 1786)

*Dolabrifera dolabrifera* (Cuvier, 1817)

*Petalifera cf pacifica* (Bergh, 1900)

*Stylocheilus longicauda* (Quoy & Gaimard, 1825)

*Stylocheilus striatus* (Quoy & Gaimard, 1832)

*Syphonota geographica* (Adams & Reeve; 1850)

**AKERIDAE** Mazzarelli, 1891

*Akera soluta* (Gmelin, 1791)

**OXYNOIDAE** Stoliczka, 1885

*Oxynoe viridis* (Pease, 1861)

**JULIIDAE** E.A. Smith, 1885 No recent review or update. 3 morphospecies in Koumac. Present list not representative of the fauna actually present in New Caledonia.

*Julia exquisita* (Gould, 1862)

**VOLVATELLIDAE** Pilsbry, 1895 Based on unpublished MS by W. Rudman

*Volvatella angeliniana* Ichikawa, 1993

*Volvatella vigourouxi* (Montrouzier in Souverbie, 1861)

**PLACOBANCHIDAE** Gray, 1840 Based on unpublished MS by W. Rudman. Present list not representative of the fauna actually present in New Caledonia.

- Elysia ornata* (Swainson, 1840)
- Elysia pilosa* Risbec, 1928
- Elysia tomentosa* Jensen, 1997
- Elysiella pusilla* Bergh, 1872
- Plakobanchus ocellatus* Hasselt, 1824
- Thuridilla carlsoni* Gosliner, 1995
- Thuridilla gracilis* (Risbec, 1928)
- Thuridilla vatae* (Risbec, 1928)

**LIMAPONTIIDAE** Gray, 1847 No recent review or update. 2 species in Koumac.

**CALIPHYLLIDAE** Tiberi, 1881 Based on unpublished MS by W. Rudman

- Cyerce elegans* Bergh, 1870
- Cyerce kikutarobabai* Hamatani, 1976

**UMBRACULIDAE** Dall, 1889

- Umbraculum umbraculum* (Lightfoot, 1786)

**PLEUROBRANCHIDAE** Gray, 1827 Based on unpublished MS by W. Rudman

- Berthella stellata* (Risso, 1826)
- Berthellina citrina* (Ruppell & Leuckart, 1828)
- Euselelops luniceps* (Cuvier, 1817)
- Pleurobranchus albiguttatus* (Bergh, 1905)
- Pleurobranchus forskalii* (Ruppell & Leuckart, 1828)
- Pleurobranchus grandis* Pease, 1868
- Pleurobranchus mamillatus* Quoy & Gaimard, 1832
- Pleurobranchus peroni* Cuvier, 1804

**DORIDIDAE** Rafinesque, 1815 Based on unpublished MS by W. Rudman

- Asteronotus cespitosus* (van Hasselt, 1824)
- Atagama intacta* (Kelaart, 1858)
- Atagama osseosa* (Kelaart, 1858)
- Atagama spongiosa* (Keelart, 1858)
- Discodoris boholiensis* Bergh, 1877
- Discodoris laminea* (Risbec, 1928)
- Discodoris lilacina* (Gould, 1852)
- Doriopsis granulosa* Pease 1860
- Doriopsis pecten* (Collingwood, 1881)
- Halgerda aurantiomaculata* (Allan, 1932)
- Halgerda carlsoni* Rudman, 1978
- Halgerda cf punctata* Farran, 1905
- Halgerda tessellata* (Bergh, 1880)
- Halgerda willeyi* Eliot, 1904
- Jorunna funebris* (Kelaart, 1858)
- Jorunna pantherina* (Angas, 1864)
- Miamira sinuata* (van Hasselt, 1824)
- Peltodoris noumeae* Risbec, 1937
- Pharodoris diaphora* Valdes, 2001
- Platydoris cruenta* (Quoy & Gaimard, 1832)
- Platydoris ellioti* (Alder & Hancock, 1864)
- Platydoris noumeae* Risbec, 1928
- Platydoris sanguinea* Bergh, 1905
- Platydoris scabra* (Cuvier, 1804)
- Sclerodoris tuberculata* Eliot, 1904
- Sebadoris nubilosa* (Pease, 1871)
- Siraius immondu* (Risbec, 1928)
- Staurodoris aspera* Risbec, 1928
- Thordisa villosa* (Alder & Hancock, 1864)

**ACTINOCYCLIDAE** O'Donoghue, 1929

*Hallaxa fuscescens* (Pease, 1871)

**CHROMODORIDIDAE** Bergh, 1892 Based on unpublished MS by W. Rudman

*Cadlinella hirsuta* Rudman, 1995

*Cadlinella ornatissima* (Risbec, 1928)

*Ceratosoma miamirana* (Bergh, 1875)

*Ceratosoma tenue* Abraham, 1876

*Ceratosoma trilobatum* (Gray, 1827)

*Chromodoris albonares* Rudman, 1990

*Chromodoris albopunctata* (Garrett, 1879)

*Chromodoris aspersa* (Gould, 1852)

*Chromodoris aureopurpurea* Collingwood, 1881

*Chromodoris coi* (Risbec, 1956)

*Chromodoris colemani* Rudman, 1982

*Chromodoris collingwoodi* Rudman, 1987

*Chromodoris decora* (Pease, 1960)

*Chromodoris elizabethina* Bergh, 1877

*Chromodoris fidelis* (Kelaart, 1858)

*Chromodoris geometrica* Risbec, 1928

*Chromodoris kuniei* Pruvot-Fol, 1930

*Chromodoris leopardus* Rudman, 1987

*Chromodoris lochi* Rudman, 1982

*Chromodoris preciosa* (Kelaart, 1858)

*Chromodoris striatella* Bergh, 1876

*Chromodoris strigata* Rudman, 1982

*Chromodoris tinctoria* (Ruppell & Leuckart, 1828)

*Chromodoris trouilloti* Risbec, 1928

*Chromodoris tumulifera* Collingwood, 1881

*Chromodoris verrieri* (Crosse, 1875)

*Chromodoris willani* Rudman, 1982

*Durvilledoris albofimbria* Rudman, 1995

*Durvilledoris lemniscata* (Quoy & Gaimard, 1831)

*Glossodoris aeruginosa* Rudman, 1995

*Glossodoris atromarginata* (Cuvier, 1804)

*Glossodoris aureola* Rudman, 1995

*Glossodoris cincta* (Bergh, 1888)

*Glossodoris cruenta* Rudman, 1986

*Glossodoris electra* Rudman, 1990

*Glossodoris hikuerensis* (Pruvot-Fol, 1954)

*Glossodoris pullata* Rudman, 1995

*Glossodoris rubroannulata* Rudman, 1986

*Glossodoris rufomarginata* (Bergh, 1890)

*Hypselodoris babai* Gosliner & Behrens, 2000

*Hypselodoris bullocki* (Collingwood, 1881)

*Hypselodoris flavomarginata* Rudman, 1995

*Hypselodoris infucata* (Ruppell & Leuckart, 1828)

*Hypselodoris kaname* Baba, 1994

*Hypselodoris lacteola* Rudman, 1995

*Hypselodoris maculosa* (Pease, 1871)

*Hypselodoris maritima* (Baba, 1949)

*Hypselodoris nigrostriata* (Eliot, 1904)

*Hypselodoris withei* (Adams & Reeve, 1850)

*Mexichromis mariei* (Crosse, 1872)

*Noumea catalai* Rudman, 1990

*Noumea laboutei* Rudman, 1986

- Noumea romeri* Risbec, 1928  
*Noumea simplex* (Pease, 1871)  
*Noumea varians* (Pease, 1871)  
*Noumea verconiforma* Rudman, 1995  
*Pectenodoris trilineata* (Adams & Reeve, 1850)  
*Risbecia imperialis* (Pease, 1860)  
*Risbecia tryoni* (Garrett, 1873)  
*Thorunna australis* (Risbec, 1928)  
*Thorunna daniellae* (Kay & Young, 1969)  
*Thorunna furtiva* Bergh, 1878  
*Thorunna montrouzieri* Rudman, 1995  
*Thorunna puicea* (Rudman, 1995)
- PHYLLIDIIDAE** Rafinesque, 1814 Based on unpublished MS by W. Rudman
- Ceratophyllidia africana* Eliot, 1903  
*Fryeria picta* (Pruvot-Fol, 1957)  
*Phyllidia coelestis* Bergh, 1905  
*Phyllidia elegans* Bergh, 1869  
*Phyllidia ocellata* Cuvier, 1804  
*Phyllidia varicosa* (Lamarck, 1801)  
*Phyllidiella granulata* Brunckhorst, 1993  
*Phyllidiella pustulosa* (Cuvier, 1804)  
*Phyllidiopsis cardinalis* Bergh, 1875  
*Phyllidiopsis shireenae* Brunckhorst, 1993  
*Phyllidiopsis striata* Bergh, 1889  
*Reticulidia halgerda* Brunckhorst & Burn, 1990
- DENDRODORIDIDAE** O'Donoghue, 1924 Based on unpublished MS by W. Rudman
- Dendrodoris albopurpurea* Burn, 1957  
*Dendrodoris carbunculosa* (Keelart, 1858)  
*Dendrodoris coronata* Kay & Young, 1969  
*Dendrodoris cf denisoni* (Angas, 1864)  
*Dendrodoris elongata* Baba, 1936  
*Dendrodoris fumata* (Ruppell & Leuckart, 1831)  
*Dendrodoris grisea* (Kelaart, 1858)  
*Dendrodoris guttata* (Odhner, 1917)  
*Dendrodoris nigra* (Stimpson, 1855)  
*Dendrodoris tuberculosa* (Quoy & Gaimard, 1832)
- ONCHIDORIDIDAE** Gray, 1827
- Onchidoris depressa* (Alder & Hancock, 1842)
- GONIODORIDIDAE** H. Adams & A. Adams, 1854
- Goniodoris joubini* Risbec, 1928  
*Goniodoris violacea* Risbec, 1928  
*Okenia pilosa* (Bouchet & Ortea, 1983)  
*Spahria minima* Risbec, 1928  
*Trapania aurata* Rudman, 1987
- POLYCERIDAE** Alder & Hancock, 1845
- Kaloplocamus acutus* Baba, 1949  
*Nembrotha limaciformis* Eliot, 1908  
*Nembrotha livingstonei* Allan, 1933  
*Plocamopherus ceylonicus* (Kelaart, 1858)  
*Polycera picta* Risbec, 1928  
*Robastra arika* Burn, 1967  
*Robastra gracilis* (Bergh, 1877)  
*Tambja morosa* (Bergh, 1877)

**AEGIRIDAE** P. Fischer, 1883 Based on unpublished MS by W. Rudman

- Aegires citrinus* (Bergh, 1875)
- Aegires pruvofolae* Fahey & Gosliner, 2004
- Aegires villosus* Farran, 1905
- Notodoris citrina* Bergh, 1875
- Notodoris gardineri* (Eliot, 1904)
- Notodoris minor* Eliot, 1904

**GYMNODORIDIDAE** Odhner, 1941 Based on unpublished MS by W. Rudman

- Gymnodoris amakusana* (Baba, 1996)
- Gymnodoris aurita* (Gould, 1852)
- Gymnodoris ceylonica* (Kelaart, 1858)
- Gymnodoris citrina* Bergh, 1875
- Gymnodoris inornata* Bergh, 1880
- Gymnodoris kouaouae* (Risbec, 1928)
- Gymnodoris plebeia* (Bergh, 1877)
- Gymnodoris rubropapulosa* (Bergh, 1905)
- Gymnodoris striata* (Eliot, 1908)

**HEXABRANCHIDAE** Bergh, 1891

- Hexabranchnus sanguineus* (Ruppell & Leuckart, 1831)

**OKADAIIIDAE** Baba, 1930

- Vayssieria felis* (Collingwood, 1881)

**EMBLETONIIDAE** Pruvot-Fol, 1954

- Embletoniella gracilis* Risbec, 1928

**MADRELLIDAE** Preston, 1911

- Madrella ferruginosa* Alder & Hancock, 1864

**ARMINIDAE** Iredale & O'Donoghue, 1923

- Dermatobranchus gonatophora* (van Hasselt, 1824)
- Dermatobranchus ornatus* (Bergh, 1873)

**TRITONIIDAE** Lamarck, 1809

- Marioniopsis* cf. *rubra* (Rüppell & Leuckart, 1831)
- Tritoniopsis elegans* (Audouin, 1826)

**ARANUCIDAE** Odhner, 1936

- Marianina rosea* (Pruvot-Fol, 1930)

**BORNELLIDAE** Bergh, 1874

- Bornella anguilla* Johnson, 1984
- Bornella stellifer* (Adams & Reeve, 1848)

**TETHYDIDAE** Rafinesque, 1815

- Melibe engeli* Risbec, 1937
- Melibe pilosa* Pease, 1860
- Melibe viridis* Kelaart, 1858

**FLABELLINIDAE** Bergh, 1889

- Flabellina bicolor* (Kelaart, 1858)
- Flabellina bilas* Gosliner & Willan, 1991
- Flabellina exoptata* Gosliner & Willan, 1991
- Flabellina rubrolineata* (O'Donoghue, 1929)

**TERGIPEDIDAE** Bergh, 1889

- Cuthona sibogae* (Bergh, 1905)
- Phestilla lugubris* (Bergh, 1870)
- Phestilla melanobranchia* Bergh, 1874
- Phestilla minor* Rudman, 1981

**AEOLIDIIDAE** Gray, 1827

- Aeolidiopsis ransonii* Pruvot-Fol, 1956
- Aeolidiella alba* Risbec, 1928
- Aeolidiella foulisi* (Angas, 1864)

- Aeolidiopsis harrietae* Rudman, 1982  
*Cerberilla affinis* Bergh, 1888  
*Cerberilla annulata* (Quoy & Gaimard, 1832)  
*Limenandra nodosa* Haefelfinger & Stamm, 1958  
*Protaeolidiella atra* Baba, 1955
- GLAUCIDAE** Gray, 1827 No recent review or update. Present list based on unpublished MS by W. Rudman, but not representative of the fauna actually present in New Caledonia.  
*Favorinus amoena* Risbec, 1930  
*Favorinus tsuruganus* Baba & Abe, 1964  
*Herviella exigua* (Risbec, 1928)  
*Moridilla brocki* (Bergh, 1888)  
*Phidiana bourrailli* (Risbec, 1928)  
*Phidiana indica* (Bergh, 1896)  
*Phyllodesmium magnum* Rudman, 1991  
*Phyllodesmium poindimiei* (Risbec, 1928)  
*Pteraeolidia ianthina* (Angas, 1864)  
*Sakuraeolis nungunoides* Rudman, 1980
- SIPHONARIIDAE** Gray, 1827 No recent review or update. 4 morphospecies present in Koumac.
- ELLOBIIDAE** L. Pfeiffer, 1854 No recent review or update. 9 morphospecies present in Koumac.
- SCAPHOPODA** V. Scarabino, com. pers.
- DENTALIIDAE** Gray, 1847  
*Antalis weinkauffi* (Dunker, 1877)  
*Dentalium deforgesi* Scarabino, 1995  
*Dentalium pluricostatum* (Boissevain, 1906)  
*Dentalium variabile* Deshayes, 1825  
*Graptacme lactea* (Deshayes, 1825)  
*Pictodentalium festivum* (Sowerby, 1914)  
*Tesseracme tetrapleura* (Boissevain, 1906)
- GADILIDAE** Stoliczka, 1868  
*Cadulus aratus* Hedley, 1899  
*Dischides dichelus* (Watson, 1879)  
*Dischides yateensis* Scarabino, 1995  
*Dischides viperidens* (Melvill & Standen, 1896)  
*Episiphon subtorquatum* (Fischer, 1871)
- LAEVIDENTALIIDAE** Palmer, 1974  
*Laevidentalium eburneum* (Linné, 1767)
- FUSTIARIIDAE** Steiner, 1991  
*Fustiaria nipponica* (Yokoyama, 1922)
- POLYPLACOPHORA** Based on to be published monograph by E. Schwabe, B. dell'Angelo & H. Strack
- LEPTOCHITONIDAE** Dall, 1889  
*Parachiton acuminatus* (Thiele, 1909)
- CALLOCHITONIDAE** Plate, 1901  
*Callochiton neocaledonicus* Kaas & Van Belle, 1990
- ISCHNOCHITONIDAE** Dall, 1889  
*\*Ischnochiton acomphus* Hull & Risbec, 1930
- CALLISTOPLACIDAE** Pilsbry, 1893  
*Callistochiton granifer* Hull, 1923
- MOPALIIDAE** Dall, 1889  
*\*Plaxiphora obscurella* (Souverbie in Souverbie & Montrouzier, 1866)
- CHITONIDAE** Rafinesque, 1815  
*\*Acanthopleura gemmata* (Blainville, 1825)  
*Chiton discolor* Souverbie in Souverbie & Montrouzier, 1866  
*Chiton ectypus* (Rochebrune, 1884)  
*Chiton lululensis* (E. A. Smith in Gardiner, 1903)

*Chiton pulcherrimus* Sowerby, 1842  
*Chiton rhynchotus* (Rochebrune, 1884)  
*Chiton subassimilis* Souverbie in Souverbie & Montrouzier, 1866  
*Cryptoplax caledonicus* Rochebrune, 1882  
*Cryptoplax elioti* Pilsbry, 1901  
\**Cryptoplax larvaeformis* (Burrow, 1815)  
\**Cryptoplax* cf *torresiana* Rochebrune, 1882  
*Lucilina lamellosa* (Quoy & Gaimard, 1835)  
*Lucilina nigropunctata* (Carpenter, 1865)  
*Onithochiton noemiae* (Rochebrune, 1884)  
*Onithochiton societatis* Thiele, 1909  
\**Squamopleura araucariana* (Hedley, 1898)  
*Squamopleura miles* (Carpenter in Pilsbry, 1893)

**ACANTHOCHITONIDAE** Pilsbry, 1893

*Acanthochitona jucunda* (Rochebrune, 1882)  
*Craspedochiton cornutus* (Torr & Ashby, 1898)  
*Leptoplax noumeaensis* (Leloup, 1941)  
*Notoplax producta* (Carpenter in Pilsbry, 1892)  
*Notoplax tridacna* (Rochebrune, 1881)

**BIVALVIA**

**NUCULIDAE** J.E. Gray, 1824 No recent review or update. 1 species present in Koumac.

**NUCULANIDAE** H. Adams & A. Adams, 1858 No recent review or update. 1 morphospecies present in Koumac.

**ARCIDAE** Lamarck, 1809 No recent review or update. 24 morphospecies present in the Koumac, Lifou and Touho sites. Species listed identified by J. Trondlé and C. Lutaenko

*Anadara antiquata* (Linné, 1758)  
*Anadara* cf. *craticulata* (Nyst, 1848)  
*Anadara dautzenbergi* (Lamy, 1907)  
*Anadara* cf *gubernaculum* (Reeve, 1844)  
*Anadara uropigimelana* (Bory de St Vincent, 1824)  
*Anadara vellicata* (Reeve, 1844)  
*Arca avellana* Lamarck, 1819  
*Arca ventricosa* Lamarck, 1819  
*Barbatia* cf *decussata* (Sowerby, 1833)  
*Barbatia fusca* (Bruguière, 1792)  
*Barbatia sulcata* (Lamarck, 1819)  
*Barbatia tenella* (Reeve, 1844)

**NOETIIDAE** Stewart, 1930 No recent review or update. 1 species present in Koumac.

**CUCULLAEIDAE** Stewart, 1930

*Cucullaea labiata* (Lightfoot, 1786)

**GLYCYMERIDIDAE** Dall, 1908 S. Cohen. com. pers.

*Glycymeris reevei* (Mayer, 1868)  
*Tucetilla amamiensis* Kuroda, 1930  
*Tucetona hanzawai* (Nomura & Zinbo, 1934)  
*Tucetona montrouzieri* (Angas, 1872)  
*Tucetona hoylei* (Melvill & Standen, 1894)

**LIMOPSIDAE** Dall, 1895 No recent review or update. 1 species present in the Koumac, Lifou and Touho sites.

**PHILOBRYIDAE** F. Bernard, 1897 No recent review or update. 3 morphospecies present in the Koumac, Lifou and Touho sites together.

**MYTILIDAE** Rafinesque, 1815 No recent review or update. 27 morphospecies present in Koumac. Present list not representative of the fauna actually present in New Caledonia.

*Lithophaga teres* (Philippi, 1846)  
*Modiolus* cf *auriculatus* Krauss, 1848  
*Modiolus philippinarum* (Hanley, 1843)  
*Septifer bilocularis* (Linné, 1758)



- Stavelia subdistorta* Recluz, 1852  
*Trichomya hirsuta* (Lamarck, 1819)
- PINNIDAE** Leach, 1819 No recent review or update. 3 morphospecies present in Koumac.  
*Atrina vexillum* (Born, 1778)
- PTERIIDAE** E.E. Gray, 1847 No recent review or update. 12 morphospecies present in Koumac. Species listed based on Laboute & Richer de Forges (2004).  
*Electroma physoides* (Lamarck, 1819)  
*Pinctada maculata* (Gould, 1850)  
*Pinctada margaritifera* (Linné, 1758)  
*Pteria penguin* (Röding, 1798)
- ISOGNOMONIDAE** Woodring, 1925 No recent review or update. 4 morphospecies present in Koumac.  
*Crenatula modiolaris* Lamarck, 1819  
*Isognomon isognomon* (Linné, 1758)
- MALLEIDAE** Lamarck 1818  
*Mallaeus anatinus* (Gmelin, 1791)  
*Vulsella* cf. *spongiarium* (Lamarck, 1819)  
*Vulsella vulsella* (Linné, 1758)
- OSTREIDAE** Rafinesque, 1815  
*Alectryonella plicatula* (Gmelin, 1791)  
*Dendostrea folium* (Linné, 1758)  
*Lopha cristagalli* (Linné, 1758)  
*Lopha poppei* Bozzeti, 1995  
*Nanostrea exigua* Harry, 1985  
*Saccostrea cucullata* (Born, 1778)  
*Saccostrea echinata* (Quoy & Gaimard, 1835)  
*Saccostrea mytiloides* (Lamarck, 1819)
- GRYPHAEIDAE** Vyalov, 1936 No recent review or update. 3 morphospecies present in the Koumac and Touho sites together.  
*Hytissa hyotis* (Linné, 1758)  
*Parahytissa imbricata* (Lamarck, 1819)
- LIMIDAE** d'Orbigny, 1846 No recent review or update. 15 morphospecies present in Koumac.  
*Lima fragilis* (Gmelin, 1791)
- PECTINIDAE** Rafinesque, 1815 H. Dijkstra, com. pers.  
*Amusium balloti* (Bernardi, 1861)  
*Anguipecten lamberti* (Souverbie in Souverbie & Montrouzier, 1874)  
*Anguipecten picturatus* Dijkstra, 1995  
*Annachlamys flabellata* (Lamarck, 1819)  
*Annachlamys iredalei* (Powell, 1958)  
*Annachlamys kulnholtzi* (Bernardi, 1860)  
*Bractechlamys vexillum* (Reeve, 1853)  
*Coralichlamys madreporarum* ([Petit in] Sowerby II, 1842)  
*Cryptopecten bullatus* (Dautzenberg & Bavay, 1912)  
*Cryptopecten nux* (Reeve, 1853)  
*Decatopecten radula* (Linné, 1758)  
*Excellichlamys spectabilis* (Reeve, 1853)  
*Glorichlamys elegantissima* (Deshayes, 1863)  
*Glorichlamys quadrilirata* (Lischke, 1870)  
*Gloripallium pallium* (Linné, 1758)  
*Haumea minuta* (Linné, 1758)  
*Haumea rehderi* (Grau, 1960)  
*Hemipecten forbesianus* A. Adams & Reeve, 1849  
*Juxtamusium coudeini* (Bavay, 1903)  
*Juxtamusium maldivense* (E. A. Smith, 1903)  
*Laevichlamys andamanica* (Preston, 1908)  
*Laevichlamys cuneata* (Reeve, 1853)

*Laevichlamys deliciosa* (Iredale, 1939)  
*Laevichlamys kauaiensis* (Dall, Bartsch & Rehder, 1938)  
*Laevichlamys squamosa* (Gmelin, 1791)  
*Laevichlamys wilhelminae* (Bavay, 1904)  
*Mimachlamys cloacata* (Reeve, 1853)  
*Mimachlamys gloriosa* (Reeve, 1853)  
*Mimachlamys sanguinea* (Linné, 1758)  
*Mirapecten mirificus* (Reeve, 1853)  
*Mirapecten rastellum* (Lamarck, 1819)  
*Palliolun minutulum* Dijkstra & Southgate, 2000  
*Pascahinnites coruscans* (Hinds, 1845)  
*Pedum spondyloideum* (Gmelin, 1791)  
*Scaeo-chlamys livida* (Lamarck, 1819)  
*Semipallium amicum* (E. A. Smith, 1885)  
*Semipallium dringi* (Reeve, 1853)  
*Semipallium flavicans* (Linné, 1758)  
*Semipallium fulvicostatum* (A. Adams & Reeve, 1850)  
*Serratovola rubicunda* (Chenu, 1843)

**ENTOLIIDAE** Teppner, 1922

*Pectinella aequoris* Dijkstra, 1991

**PROPEAMUSIIDAE** Abbott, 1954 H. Dijkstra, com. pers.

*Cyclochlamys favus* (Hedley, 1902)  
*Cyclochlamys incubata* (Hayami & Kase, 1993)  
*Cyclochlamys nepeanensis* (Pritchard & Gatliff, 1904)  
*Cyclopecten cancellus* Dijkstra, 1991  
*Parvamussium pauciliratum* (E. A. Smith, 1903)  
*Parvamussium scitulum* (E. A. Smith, 1885)

**SPONDYLIDAE** J.E. Gray, 1826 Based on Lamprell & Healy (2001).

*Spondylus albibarbatulus* Reeve, 1856  
*Spondylus anacanthus* Mawe, 1823  
*Spondylus asperrimus* Sowerby, 1847  
*Spondylus butleri* Reeve, 1856  
*Spondylus candidus* Lamarck, 1819  
*Spondylus castus* Reeve, 1856  
*Spondylus deforgesii* Lamprell & Healy, 2001  
*Spondylus echinatus* Schreibers, 1793  
*Spondylus exiguus* Lamprell & Healy, 2001  
*Spondylus foliaceus* Schreibers, 1793  
*Spondylus heidkeae* Lamprell & Healy, 2001  
*Spondylus lamarcki* Chenu, 1845  
*Spondylus maestratii* Lamprell & Healy, 2001  
*Spondylus nicobaricus* Schreibers, 1793  
*Spondylus ocellatus* Reeve, 1856  
*Spondylus orstomi* Lamprell & Healy, 2001  
*Spondylus rippingalei* Lamprell & Healy, 2001  
*Spondylus rubicundus* Reeve, 1856  
*Spondylus sinensis* Schreibers, 1793  
*Spondylus squamosus* Schreibers, 1793  
*Spondylus variegatus* Schreibers, 1793  
*Spondylus varius* Sowerby, 1827  
*Spondylus versicolor* Schreibers, 1793  
*Spondylus victoriae* Sowerby, 1860  
*Spondylus zonalis* Lamarck, 1819

**PLICATULIDAE** J.E. Gray, 1857 No recent review or update. 2 morphospecies present in Koumac.  
**ANOMIIDAE** Rafinesque, 1815 No recent review or update. 6 morphospecies present in Koumac.  
**DIMYIDAE** P. Fischer, 1886 No recent review or update. 1 species in Koumac.  
**CRASSATELLIDAE** Ferussac, 1822 No recent review or update. 1 species in Koumac.  
**CONDYLOCARDIIDAE** F. Bernard, 1896 No recent review or update. 1 species in Koumac.  
**PANDORIDAE** Rafinesque, 1815 No recent review or update. 1 species in Koumac.  
**LYONSIIDAE** P. Fischer, 1887 No recent review or update. 1 species in Koumac.  
**CLAVAGELLIDAE** d'Orbigny, 1843 No recent review or update. 1 species present in Koumac.  
**LATERNULIDAE** Hedley, 1918 No recent review or update. 1 species in Koumac.  
**SPHENIOPSISIDAE** Gardner, 1928 No recent review or update. 1 species in Koumac.  
**MYOCHAMIDAE** P.P. Carpenter, 1861 No recent review or update. 2 morphospecies present in Koumac.  
**CLEIDOTHAERIDAE** Hedley, 1918 No recent review or update. 1 species in Koumac.  
**CUSPIDARIIDAE** Dall, 1886 No recent review or update. 5 morphospecies present in Koumac.  
**LUCINIDAE** Fleming, 1828 Based on Taylor & Glover (2007).

*Anodontia hawaiiensis* (Dall, Bartsch & Rehder, 1938)

*Anodontia ovum* (Reeve, 1850)

*Anodontia philippiana* (Reeve, 1850)

*Anodontia vesicula* (Gould, 1850)

*Bretskya scapula* Taylor & Glover, 2007

*Cardiolucina undula* Taylor & Glover, 2007

*Chavania striata* (Tokunaga, 1906)

*Codakia paytenorum* (Iredale, 1937)

*Codakia punctata* (Linné, 1758)

*Codakia tigerina* (Linné, 1758)

*Ctena bella* (Conrad, 1837)

*Discolucina virginea* (Deshayes, 1830)

*Epicodakia nodulosa* Taylor & Glover, 2007

*Epicodakia sweetii* (Hedley, 1899)

*Ferrocina multiradiata* Taylor & Glover, 2007

*Fimbria fimbriata* (Linné, 1758)

*Funafutia levukana* (Smith, 1885)

*Gonimyrtea avia* Taylor & Glover, 2007

*Gonimyrtea fidelis* Taylor & Glover, 2007

*Lepidolucina belepia* Taylor & Glover, 2007

*Leucosphaera diaphana* Taylor & Glover, 2007

*Liralucina craticula* Taylor & Glover, 2007

*Liralucina lifouina* Taylor & Glover, 2007

*Liralucina sperabilis* (Hedley, 1909)

*Liralucina vaubani* Taylor & Glover, 2007

*Myrtina leptolira* Taylor & Glover, 2007

*Myrtina porcata* Taylor & Glover, 2007

*Notomyrtea vincentia* Taylor & Glover, 2007

*Parvidontia laevis* Taylor & Glover, 2007

*Pillucina copiosa* Taylor & Glover, 2007

*Pillucina pacifica* Glover & Taylor, 2001

*Poumea coselia* Taylor & Glover, 2007

*Solelucina koumacia* Taylor & Glover, 2007

*Wallucina fijiensis* (Smith, 1885)

**KELLIIDAE** Forbes & Hanley, 1849 No recent review or update. One species described from Lifou listed for reference, but nomenclature may not be accurate.

*Kellia fidelium* Melvill & Standen, 1895

**FIMBRIIDAE** Nicol, 1950

*Fimbria fimbriata* (Linné, 1758)

**CHAMIDAE** Lamarck, 1809 Based on identifications by A. Matsukuma.

*Chama asperella* Lamarck, 1819

*Chama brassica* Reeve, 1846

*Chama cerion* Matsukuma, 2003

*Chama lazarus* Linné, 1758

*Chama pacifica* Broderip, 1834

*Chama pulchella* Reeve, 1846

*Chama savignyi* Lamy, 1921

*Chama scutulina* (Poutiers, 1976)

*Eopseuma phyllotrapezium* Matsukuma, 1996

**GALEOMMATIDAE** J.E. Gray, 1840 No recent review or update. 126 morphospecies present on the Koumac, Touho, and Lifou sites.

**HIATELLIDAE** J.E. Gray, 1824 No recent review or update. 1 morphospecies present in Koumac.

**TRAPEZIIDAE** Lamy, 1920 No recent review or update. 4 morphospecies present in Koumac.

*Glossocardia obesa* (Reeve, 1843)

*Trapezium bicarinatum* (Schumacher, 1817)

*Trapezium sowerbyi* (Hidalgo, 1903)

**GLOSSIDAE** J.E. Gray, 1847

*Meiocardia moltkiana* (Gmelin, 1791)

**SPORTELLIDAE** Dall, 1899 No recent review or update. 3 morphospecies present in Koumac.

**CORBICULIDAE** J.E. Gray, 1847 No recent review or update. 1 species in Koumac.

**CARDIIDAE** Lamarck, 1809 Based on identifications by J. Vidal; final list validated by J.J. ter Poorten, com. pers.

*Acrosterigma attenuatum* (Sowerby, 1841)

*Acrosterigma biradiatum* (Bruguière, 1789)

*Acrosterigma dianthinum* (Melvill & Standen, 1899)

*Acrosterigma hobbsae* Vidal, 1999

*Acrosterigma maculosum* (Wood, 1815)

*Acrosterigma punctolineatum* Healy & Lamprell, 1992

*Acrosterigma selene* Vidal, 1999

*Acrosterigma simplex* (Spengler, 1799)

*Acrosterigma transcendens* (Melvill & Standen, 1899)

*Acrosterigma unicolor* (Sowerby, 1834)

*Afrocardium richardi* (Audouin, 1827)

*Corculum cardissa* (Linné, 1758)

*Ctenocardia fornicatum* (Sowerby, 1834)

*Ctenocardia translutum* (Prashad, 1932)

*Fragum fragum* (Linné, 1758)

*Fragum mundum* (Reeve, 1845)

*Fragum scruposum* (Deshayes, 1855)

*Fragum sueziense* (Issel, 1869)

*Fragum unedo* (Linné, 1758)

*Fragum victor* (Angas, 1872)

*Frigidocardium torresi* (Smith, 1885)

*Frigidocardium valdentatum* Poutiers, 2006

*Fulvia aperta* (Bruguière, 1789)

*Fulvia australis* (Sowerby, 1834)

*Fulvia dulcis* (Deshayes, 1863)

*Fulvia fragiformis* Vidal, 1994

*Fulvia hungerfordi* (Sowerby, 1901)

*Fulvia lineonotata* Vidal, 1994

*Fulvia scalata* Vidal, 1994

*Fulvia subquadrata* Vidal & Kirkendale, 2007

*Fulvia undatopicta* (Pilsbry, 1904)

*Hemicardium hemicardium* Linné, 1758

*Hippopus hippopus* (Linné, 1758)  
*Laevicardium attenuatum* (Sowerby, 1840)  
*Laevicardium lobulatum* (Deshayes, 1855)  
*Lunulicardia retusum* (Linné, 1758)  
*Lyrocardium aurantiacum* (Adams & Reeve, 1850)  
*Lyrocardium lyratum* (Sowerby, 1834)  
*Microfragum festivum* (Deshayes, 1855)  
*Nemocardium bechei* (Adams & Reeve, 1850)  
*Plagiocardium setosum* (Redfield, 1848)  
*Tridacna crocea* Lamarck, 1819  
*Tridacna derasa* (Röding, 1798)  
*Tridacna maxima* (Röding, 1798)  
*Tridacna squamosa* Lamarck, 1819  
*Tridacna trevoroa* Lucas, Ledua & Braley, 1990  
*Vasticardium angulatum* (Lamarck, 1819)  
*Vasticardium elongatum* (Bruguière, 1789)  
*Vasticardium orbita* (Broderip & Sowerby, 1833)  
*Vasticardium pectiniforme* (Born, 1780)  
*Vasticardium sewelli* (Prashad, 1932)

**\*VENERIDAE** Rafinesque, 1815 No recent review or update. 53 morphospecies present in Koumac. Species listed based on identifications by K. Lamprell.

*Anomalocardia squamosa* (Linné, 1758)  
*Callista accincta* Römer, 1866  
*Callista lilacina* (Lamarck, 1818)  
*Callista roseotincta* (Smith, 1885)  
*Circe scripta* (Linné, 1758)  
*Gafrarium dispar* (Holten, 1802)  
*Gafrarium divaricatum* (Gmelin, 1791)  
*Gafrarium pectinatum* (Linné, 1758)  
*Gafrarium tunidum* Röding, 1798  
*Irus macrophylla* (Deshayes, 1853)  
*Katelsia japonica* (Gmelin, 1791)  
*Lioconcha annettae* Lamprell & Whitehead, 1990  
*Lioconcha caledonensis* Harte & Lamprell, 1999  
*Lioconcha castrensis* (Linné, 1758)  
*Lioconcha macaulayi* Lamprell & Healy, 2002  
*Lioconcha melharteeae* Lamprell & Stanisic, 1996  
*Lioconcha ornata* (Dillwyn, 1817)  
*Lioconcha philippinarum* (Hanley, 1844)  
*Lioconcha polita* (Röding, 1798)  
*Lioconcha richerdeforgesi* Lamprell & Stanisic, 1996  
*Lioconcha sowerbyi* (Deshayes, 1853)  
*Lioconcha trimaculata* (Lamarck, 1818)  
*Periglypta corbis* (Lamarck, 1818)  
*Periglypta puerpera* (Linné, 1771)  
*Periglypta reticulata* (Linné, 1758)  
*Pitar affinis* (Gmelin, 1791)  
*Pitar bullatus* (Sowerby, 1851)  
*Pitar citrina* (Lamarck, 1818)  
*Pitar healyi* Lamprell & Stanisic, 1996  
*Pitar intricata* (Dautzenberg, 1907)  
*Pitar japonicum* Kuroda & Kawamoto, 1956  
*Pitar nancyae* Lamprell & Withehead, 1990  
*Pitar noguchii* Habe, 1958  
*Pitar pellucidus* (Lamarck, 1818)

*Pitar potteri* Healy & Lamprell, 1992  
*Pitar prora* (Conrad, 1837)  
*Pitar sophiae* (Angas, 1877)  
*Pitar spoori* Lamprell & Withehead, 1990  
*Placamen tiara* (Dillwyn, 1817)  
*Redicirce sulcata* (Gray, 1838)  
*Ruditapes variegatus* (Sowerby, 1852)  
*Samarangia quadrangularis* (Adams & Reeve, 1850)  
*Tapes literatus* (Linné, 1758)  
*Tapes sericeus* Matsukuma, 1986  
*Timoclea costellifera* (Adams & Reeve, 1850)  
*Timoclea marica* (Linné, 1758)

**PETRICOLIDAE** d'Orbigny, 1840 No recent review or update. 3 morphospecies present in Koumac.

**NEOLEPTONIDAE** Thiele, 1934

*Neolepton caledonicum* Salas & Gofas, 1998

**TELLINIDAE** Blainville, 1814 No recent review or update. 79 morphospecies present in the Koumac and Touho sites. Species listed based on identifications by A. Matsukuma.

*Aenigmatellina aenigmatica* (Holten, 1803)  
*Arcopaginula inflata* (Gmelin, 1791)  
*Arcopella isseli* (Adams, 1871)  
*Cadella semen* (Hanley, 1845)  
*Clathrotellina carnicolor* (Hanley, 1845)  
*Cyclotellina remies* (Linné, 1758)  
*Elliptotellina englypta* (Gould, 1861)  
*Elliptotellina kikaizimana* (Nomura & Jinbo, 1934)  
*Elliptotellina pretium* (Salisbury, 1934)  
*Exotica fijiensis* (Sowerby, 1868)  
*Exotica parvula* (Sowerby, 1868)  
*Gactellina obliquistriata* (Sowerby, 1868)  
*Hemimetus plicata* (Valenciennes, 1827)  
*Laciolina astrolabei* (Dautzenberg & Fischer, 1912)  
*Loxoglypta clathrata* (Deshayes, 1835)  
*Macalia bruguieri* (Hanley, 184)  
*Merisca capsoides* (Lamarck, 1818)  
*Moerella iridescens* (Benson, 1842)  
*Nitidotellina nitidula* (Dunker, 1860)  
*Nitidotellina triradiata* (Adams, 1871)  
*Pharaonella perna* (Spengler, 1798)  
*Pharaonella tongana* Quoy & Gaimard, 1835)  
*Phylloda foliacea* (Linné, 1758)  
*Pinguitellina pinguis* (Hanley, 1844)  
*Pinguitellina robusta* (Hanley, 184)  
*Quadrans gargadia* (Linné, 1758)  
*Quadrans parvitas* Iredale, 1931  
*Quidnipagus palatam* (Iredale, 1929)  
*Scutarcopagia lingaefelis* (Linné, 1758)  
*Tellina cf patagiata* Prashad, 1932  
*Tellina cf pudica* Hanley, 1844  
*Tellinella crucigera* (Lamarck, 1818)  
*Tellinella pulcherrima* (Sowerby, 1825)  
*Tellinella staurella* (Lamarck, 1818)  
*Tellinella verrucosa* (Hanley, 1844)  
*Tellinella virgata* (Linné, 1758)  
*Tellinides ovalis* (Sowerby, 1825)

**DONACIDAE** J. Fleming, 1828 No recent review or update. 2 morphospecies present in Koumac.

**PSAMMOBIIDAE** Fleming, 1828 Based on identifications by R. Willan.

*Asaphis dichotoma* (Anton, 1838)

*Dysmea occidens* (Gmelin, 1791)

*Gari anomala* (Deshayes, 1855)

*Gari castrensis* (Linné, 1758)

*Gari eos* Willan, 1993

*Gari inflata* (Bertin, 1880)

*Gari maculosa* (Lamarck, 1818)

*Gari pallida* (Deshayes, 1855)

*Gari palmula* (Deshayes, 1855)

*Gari pennata* (Deshayes, 1855)

*Gari pusilla* Bertin, 1880

\**Gari sibogai* Prashad, 1932.

*Gari squamosa* (Lamarck, 1818)

*Gari togata* (Deshayes, 1855)

*Grammatomya pulcherrima* (Deshayes, 1855)

*Heteroglypta contraria* (Deshayes, 1863)

*Psammotaena elongata* (Lamarck, 1818)

*Soletellina petalina* (Deshayes, 1855)

**SEMELIDAE** Stoliczka, 1870 No recent review or update. 19 morphospecies present in Koumac.

**SOLECURTIDAE** d'Orbigny, 1846 No recent review or update. 3 morphospecies present in Koumac.

*Solecurtus pacificus* Pease, 1870

**SOLENIDAE** Lamarck, 1809

*Solen roseomaculatus* Pilsbry, 1901

*Solen sloanii* Gray in Hanley, 1842

**PHARIDAE** H. Adams & A. Adams, 1856 No recent review or update. 2 morphospecies present in Koumac.

**CULTELLIDAE** Davies, 1935

*Ensiculus cf cultelus* (Linné, 1758)

**MACTRIDAE** Lamarck, 1809 No recent review or update. 11 morphospecies present in Koumac.

*Mactra maculata* (Chemnitz, 1782)

*Spisula aspersa* (Sowerby, 1825)

**MESODESMATIDAE** Gray, 1840 No recent review or update. 8 morphospecies present in Koumac.

*Atactodea striata* (Gmelin, 1791)

**MYIDAE** Lamarck, 1809 No recent review or update. 2 morphospecies present in Koumac.

**CORBULIDAE** Lamarck, 1818 No recent review or update. 1 species in Koumac.

**PHOLADIDAE** Lamarck, 1809 No recent review or update. 3 morphospecies present in Koumac. Present list not representative of the fauna actually present in New Caledonia.

*Barnea manilensis* (Philippi, 1847)

*Jouanmetia cumingii* (Sowerby, 1849)

**CEPHALOPODA** No recent review or update. Present list not representative of the fauna actually present in New Caledonia. Species listed based on CephBase <http://www.cephbase.utmb.edu>.

**NAUTILIDAE** Blainville, 1825

*Nautilus macromphalus* Sowerby, 1848

*Nautilus pompilius pompilius* Linné, 1758

**SEPIIDAE** Keferstein, 1866

*Sepia latimanus* Quoy & Gaimard, 1832

**LOLIGINIDAE** Lesueur, 1821 13

*Sepioteuthis lessoniana* Lesson, 1830

**OCTOPIDAE** Orbigny, 1840

*Thaumoctopus mimicus* Norman & Hochberg, 2005

*Octopus cyanea* Gray, 1849

**OMMASTREPHIDAE** Steenstrup, 1857

*Eucleoteuthis luminosa* (Sasaki, 1915)

*Hyaloteuthis pelagica* (Bosc, 1802)

*Ommastrephes bartramii* (Lesueur, 1821)

*Ornithoteuthis volatilis* (Sasaki, 1915)

*Sthenoteuthis oualaniensis* (Lesson, 1830)

**ONYCHOTEUTHIDAE** Gray, 1849

*Ancistroteuthis lichtensteini* Férussac, 1835

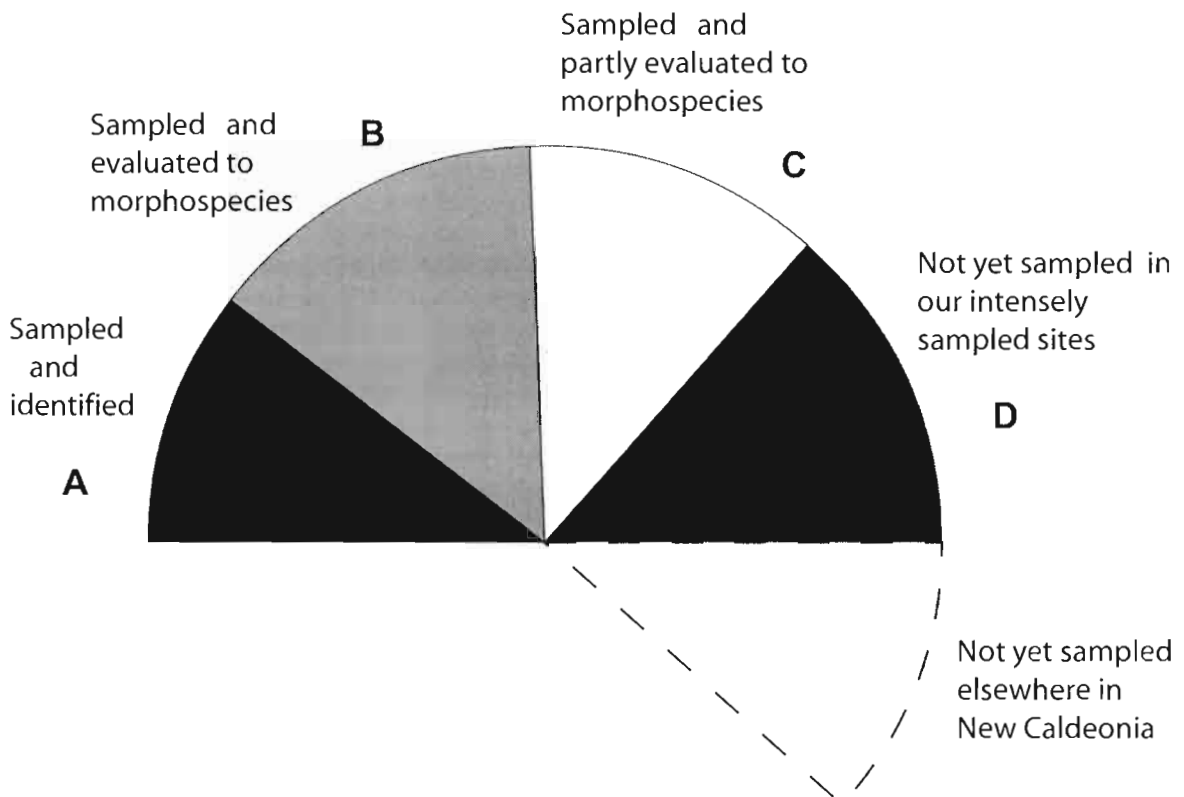
*Onychoteuthis banksii* (Leach, 1817)

**THYSANOTEUTHIDAE** Keferstein, 1866

*Thysanoteuthis rhombus* Troschel, 1857

**ARGONAUTIDAE** Tryon, 1879

*Argonauta argo* (Linné, 1758)



State of our knowledge on the malacofauna of New Caledonia.





*Ceratosoma* sp.

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*Rubropulosa* sp.

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*Cutoma kanga* sp.

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*Chromodoris kunei*

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*Marionopsis rubra*

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*Halgerda* sp.

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*Noumea catalai*

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*Tambja affinis*

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et TECHNIQUES

II7

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Deuxième édition

COMPENDIUM  
of marine species from  
New Caledonia



Edited by  
Claude E. PAYRI  
Bertrand RICHER DE FORGES



Institut de recherche  
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SECOND EDITION

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