

## **Cobscook Bay Inventory: A Historical Checklist of Marine Invertebrates Spanning 162 Years**

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**Abstract** - Cobscook Bay inventory is a historical checklist that documents nearly 800 species of macroinvertebrates found in Cobscook Bay, ME, based on collection records spanning the past 162 years. Information on species occurrence over time has been compiled from published literature, museum collection records, electronic databases, graduate students theses, and species collection lists from invertebrate zoologists. Nearly all records have been reviewed for the validity of identifications by an international group of taxonomic specialists. Accepted species names and their authorities are listed along with alternate names used previously for well over a century. This format results in a historical timeline of the occurrence of species in Cobscook Bay that starts with discovery and continues through past and recent records for each species. It is hoped this database will provide a baseline that will be updated with discoveries of new species, made by developing molecular techniques and observed changes in species occurrence from invasions or local extinctions, to keep its historical perspective intact.

### **Introduction**

Cobscook Bay, ME, is the northern-most bay on the east coast of the United States near the United States-Canada border at the mouth of the Bay of Fundy. The Bay amounts to approximately 110 km<sup>2</sup> and lies behind an open boundary between Eastport and Lubec (Fig. 1). This boreal, macrotidal estuary is dominated by energetic tides of high amplitude that result in thorough mixing of the water column. Source water is cool, nutrient-rich continental slope water that enters the Gulf of Maine through the deep Northeast Channel and spreads along the bottom to the upwelling zone at the mouth of the Bay of Fundy. The geographic boundary of the Bay proper can be extended out into the Head Harbor Passage when physical oceanographic information of water circulation is considered to define the region. Extreme tides, tidal upwelling, high incidence of summer fog shielding the intertidal from solar radiation, and unusually varied habitats have all been implicated as reasons for the diverse invertebrate fauna of Cobscook Bay (Trott and Larsen 2003). The distribution of surficial sediments is one indication of the diversity of intertidal and subtidal environments present in the Bay (Fig. 2).

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Early explorations of Cobscook Bay and the surrounding region make the historical perspective of this checklist possible. The high productivity of this ecosystem was recognized in 1872 by the United States Fish Commission (now the National Marine Fisheries Service [NMFS]) with the establishment of the second station in its history at Eastport, ME, the first station being located at Woods Hole, MA. Twenty-nine years earlier, J.W. Mighels had published records of marine molluscs from Cobscook Bay (Mighels 1843), and a decade later, William Stimpson published his findings from summer explorations around Eastport and the neighboring island of Grand Manan (Stimpson 1851a, 1853). Nearly another decade passed before C.B. Fuller (1862a,b) reported on invertebrates collected from Treat's Island and

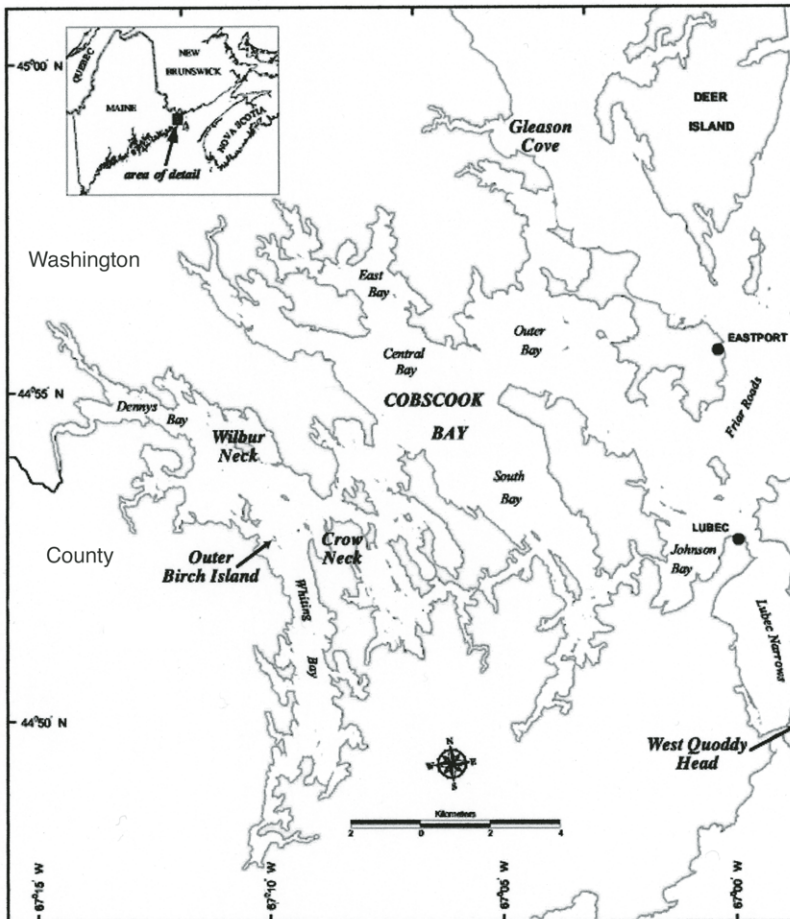


Figure 1. Map of Cobscook Bay, ME. Inset illustrates general location of Cobscook Bay in relation to the Gulf of Maine.

other locations in the vicinity of Eastport. Records of the invertebrates from Cobscook Bay then began to appear more frequently in the literature, authored by a graduate student of Louis Agassiz, originally from Maine, who became the first Professor of Zoology of Yale College. His name was Addison E. Verrill, and he spearheaded the US Commission's explorations into the waters of the Gulf of Maine. The highly diverse and abundant invertebrate fauna of Cobscook Bay was the focus of a presentation by Verrill to the Essex Society in which he described how with ease so many examples of every phylum could be found during a walk in the intertidal or below the wharfs of Eastport (Verrill 1871b). His words resonated those of Stimpson (1851a), who had reported 20 years previous that two or three hundred species of different classes might be found in the Fundy Isles during a single low tide.

This inventory of the marine invertebrate fauna of Cobscook Bay spans 162 years from Mighels (1843) to the present (see Larsen and Gilfillan 2004, Trott 2004a). Records prior to 1900 are primarily from dredging, which was the common sampling technique of the time. However, Stimpson (1851a) observed that many species that occur subtidally in the southern Gulf of Maine are present intertidally, an observation later verified for the Eastport area by Fuller (1862a,b). This unusual distribution is one reason why collections made after the turn of the century were almost entirely from the intertidal zone.

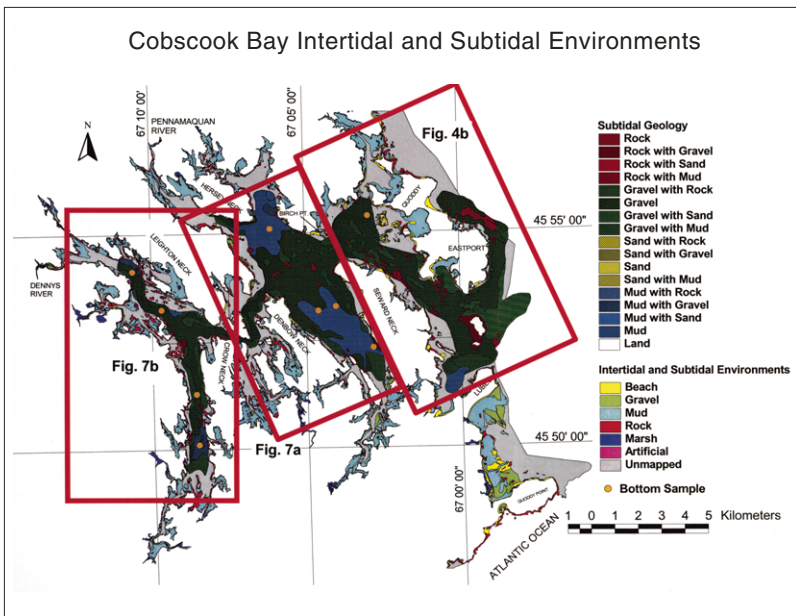


Figure 2. Surficial geology map for Cobscook Bay, ME (Kelley and Kelley 2004).

Faunistic information used to construct this document was drawn from literature, museum collections, electronic databases, and species lists. Major monographs, peer-reviewed publications, government reports, and graduate theses formed the majority of the literature-based knowledge for this inventory. It includes all of Verrill's published records for Eastport and the Bay proper in addition to other major early works, e.g., Holmes (1905), Richardson (1905), and Webster and Benedict (1887). Museum records, primarily from the National Museum of Natural History, Smithsonian Institution, and the Peabody Museum, Yale University, comprise the source of collections-based knowledge and contributed greatly to the certainty of species identifications.

There is a level of redundancy created by using these sources in combination. For example, many of Verrill's published collections are in the holdings of the Peabody Museum and therefore are often cross-referenced when both Verrill and the Peabody Museum are listed as records for a particular species. Another source of overlap stems from papers published in the Boston Society of Natural History series "Fauna of New England" that included the records of Verrill, Stimpson, Mighels, and others. There is no attempt to calculate the degree of overlap within and between these sources. An important noteworthy fact is, however, that the Peabody Museum holds specimens deposited by collectors more recent than Verrill, and many of the authors of the contributions to the Fauna of New England included new record information. When new records were listed within sources such as these, the original source of the information was not cited. This information is left to the reader to discover if it is sought. Collection records for specimens held at the Peabody Museum are accessible online (Division of Invertebrate Zoology 2005).

A third source of information is now available in the form of electronic databases. Websites for Gastropoda (Rosenberg 2003–04), Hexacorallia (Fautin 2004, Fautin and Buddemeier 2003), and Turbellaria (Tyler et al. 2005) were used to determine synonymies, authorities, and location information for these groups. Electronic databases were not the exclusive source of these types of information.

A fourth smaller, but not insignificant, source of information came from species lists of taxonomists and invertebrate zoologists, whose work would have gone unknown otherwise. These contributors donated their information towards this effort freely. Their generosity is acknowledged here: Dr. Terrence Gosliner, California Academy of Sciences; Dr. Paul Langer, Gwynedd Mercy College; Dr. Peter F. Larsen, Bigelow Laboratory for Ocean Sciences; Professor Rachel Merz, Swarthmore College, who donated collection records of the late Professor Norman Meinkoth; Professor Nathan W. Riser, Emeritus, Marine Science Center, Northeastern University; and Professor Seth Tyler, University of Maine, Orono.

The search for the most recent, accepted valid names for the numerous reported species from Cobscook Bay was the most difficult task of preparing this inventory. The weight of this fell upon taxonomists who were solicited for their interest in reviewing lists of species in their taxa of specialty. They also contributed information flagging suspected misidentifications and authorship errors passed down through the literature. The generous contributors listed in Table 1 who voluntarily donated their spare time to this task are gratefully acknowledged.

Additional information on specific groups was supplied by Daphne Fautin, Natural History Museum and Biodiversity Research Center, University of Kansas, Cnidaria; Peter J. Hayward, University of Swansea, United Kingdom, Ectoprocta; Gerhard Pohle, Huntsman Marine Science Centre, New Brunswick, Crustacea; Larry Harris, Department of Zoology, University of New Hampshire, Nudibranchia; and Andrea Waeschenbach, The Natural History Museum, United Kingdom, Ectoprocta. Appreciation is also given to those who volunteered their expertise that eventually was not needed because of the lack of information about their taxon of specialty: Frank Ferrari, National Museum of Natural History, Smithsonian Institution, planktonic Copepoda; Louis Kornicker, National Museum of Natural History, Smithsonian Institution, Ostracoda; and Richard Heard, University of Southern Mississippi, Tanaidacea. Without the unselfish assistance of all contributors, the quality of this publication would be below its present level.

Table 1. Taxonomic reviewers and contributors to the Cobscook Bay Inventory.

| Taxonomic specialist | Institution                               | Taxon                           |
|----------------------|---|---------------------------------|
| Pierre Brunel        | Université de Montréal                    | Amphipoda<br>and Cumacea        |
| Stephen Cairns       | National Museum of Natural History        | Cnidaria                        |
| Dale Calder          | Royal Ontario Museum                      | Cnidaria                        |
| Edward Cutler        | Museum of Comparative Zoology             | Sipuncula                       |
| Kristian Fauchald    | National Museum of Natural History        | Polychaeta                      |
| Terrence Gosliner    | California Academy of Sciences            | Nudibranchia                    |
| Brian Kensley        | National Museum of Natural History        | Isopoda and<br>Decapoda         |
| Rafael Lemaitre      | National Museum of Natural History        | Anomura                         |
| Richard Modlin       | University of Alabama                     | Mysidacea                       |
| Françoise Monniot    | Muséum National d'Histoire Naturelle      | Ascidacea                       |
| Jon Norenburg        | National Museum of Natural History        | Nemertea                        |
| Mark Ohman           | Scripps Institution of Oceanography       | Euphausiacea                    |
| David Pawson         | National Museum of Natural History        | Echinodermata                   |
| Klaus Ruetzler       | National Museum of Natural History        | Porifera                        |
| Nathan Riser         | Marine Science Center, Northeastern Univ. | Nemertea and<br>Platyhelminthes |
| Gary Rosenberg       | Academy of Natural Sciences               | Gastropoda                      |
| Seth Tyler           | University of Maine, Orono                | Platyhelminthes                 |
| Robert Jay Van Syoc  | Californian Academy of Sciences           | Cirripedia                      |
| Thomas Waller        | National Museum of Natural History        | Bivalvia                        |
| Judith Winston       | Virginia Museum of Natural History        | Ectoprocta                      |

Some groups remained for tracing synonyms because of my inability to recruit specialists due to lack of time or availability. The Cephalopoda, Chaetognatha, Ctenophora, Hemichordata, Nematoda, Priapulida, Pycnogonida, and Scaphopoda fell into this category. Fortunately, these taxa contain few records that made a daunting task less strenuous, aided by reviewers who volunteered their knowledge when possible. Synonyms and previously used names for species in these and other taxa were traced by me to valid species names often but not exclusively using: Abbott (1974), Bousfield (1973), Brunel et al. (1998), Cairns et al. (1991), Clark and Downey (1992), Costello et al. (2001), Cutler (1994), Fauchald (1997), Gosner (1971), Macpherson (1971), Pollock (1998), Schultz (1968), Squires (1990), Turgeon et al. (1998), Williams (1984), and Williams et al. (1998).

The high degree of scholarship of all resources makes reasonably certain the validity of identifications used to construct this inventory. In cases where records originated from museums, voucher specimens are available to confirm species identifications. Doubtful species records for each phylum, identified by taxonomic reviewers, appear in sections titled "Uncertain Records." Reasons for questioning these identifications are referenced by footnotes annotated near the end of each phylum. The concept of validity for species used in producing this document, though rigorous by all attempts, is none-the-less limited given developing molecular techniques for identifying species. For example, *Hydractinia polyclina* so closely resembles *H. echinata* morphologically that the two species can be distinguished only on the basis of molecular data (D. Calder, pers. comm.). Molecular techniques could distinguish new species among species included in this list.

There are obvious shortages and gaps in this list concerning specific taxa. Groups imperfectly known were left out early in strategizing the preparation of this inventory. Intentionally not included were most meiofauna (e.g., Protista, Kinorhyncha, Gnathostomulida, Loricifera, Rotifera, Cycliophora, Gastrotricha, etc.), most parasites (e.g., parasitic Nematoda, Acanthocephala, Cestoda, etc.) and Insecta. Meiofauna are uncommon targets for collection because of their small size and equally uncommon taxonomic specialists who can identify them. Other taxa that have no species records for Cobscook Bay, but were reviewed to be included are most microfauna (e.g., Branchiopoda, Branchiura, Copepoda, Ostracoda, Tardigrada, etc.), Echiura, Aplacophora, and Tanaidacea. Size alone does not explain the lack of species records. In many cases, the lack of records probably results from these groups not having been the focus of collections and/or identifications. Species records of these groups exist from other localities in the Gulf of Maine, so their absence from Cobscook Bay was somewhat unexpected.



The higher taxa within each phylum are arranged according to the most recently published phylogeny in Brusca and Brusca (2003). Phyla that follow a different scheme based on cladistic analysis are Polychaeta (Fauchald and Rouse 1997, Rouse and Fauchald 1997) and Platyhelminthes (Tyler et al. 2005). Publications of the American Fisheries Society were used to organize Mollusca and Cnidaria, and Hayward (2001) was used for Ectoprocta. Sponges were organized according to the classification of Hooper and van Soest (2002). Species are always listed in alphabetical order within their families.

Species reported in this inventory are listed with the following style and format:

***Accepted Species Name*** Author, Date

*Accepted Species Name* Abbreviated Record(s)

Previously used name Abbreviated Record(s)

***Bold italics*** are used to identify accepted species names with their authorities. The format that follows is a chresonomy, i.e., a list of usages of names analogous to a “chrestomathy” in literary fields. These fall into five categories: a) identical to current usage and written in *regular italics*; b) using the same trivial epithet, but in combination with a different generic name (alternative combination) or at a different rank (species versus subspecies or variety); c) synonyms (which can also have alternate ranks, combinations, and misspellings); d) misapplications of names (i.e., misidentifications); and e) misspellings. *Regular italics* are associated with accepted names of species, and roman font for names used previously. All are followed by abbreviated records that are defined in a key to the abbreviations at the end of each phylum. Each abbreviation refers to the source of a record along with the date of publication. While unconventional for unpublished records, years that donated species lists were assembled are also reported to help complete a timeline for collections of species they refer to. These also appear in the Literature Cited along with published records. Taxonomic information about particular species is referenced by footnotes annotated at the end of each phylum.

The value of this style and format is the inclusion of names of species associated with the sources used to construct this inventory. What results is a historical timeline of the occurrence of species in Cobscook Bay that starts with discovery and continues through past and recent records for each species. This timeline of occurrence is only as perfect as the intensity and focus of collections. Another benefit of the format is that ecologists, physiologists, and general biologists can use this species list to avoid the detective work of tracing previously used names along a twisted thread of sometimes obscure publications to determine currently accepted names. In this regard, the inventory's utility extends beyond Cobscook Bay since many species occur elsewhere in the Gulf of Maine (Trott and Larsen 2003).

## Cobscook Bay Marine Invertebrate Checklist

It is hoped that the scientific community, educators, students, planners, and interested laymen will find the information contained in the following pages useful in understanding the diverse community of animals found within Cobscook Bay. I invite with hope that mistakes and additions will be relayed to me in order to keep this species inventory complete and current.

|                                |     |
|--------------------------------|-----|
| Phylum Porifera .....          | 268 |
| Phylum Cnidaria .....          | 270 |
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| Phylum Platyhelminthes .....   | 276 |
| Phylum Nemertea .....          | 277 |
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| Phylum Priapula .....          | 279 |
| Phylum Sipuncula .....         | 279 |
| Phylum Annelida .....          | 279 |
| Phylum Arthropoda .....        | 290 |
| Phylum Mollusca .....          | 298 |
| Phylum Ectoprocata .....       | 310 |
| Phylum Brachiopoda .....       | 311 |
| Phylum Echinodermata .....     | 312 |
| Phylum Chaetognatha .....      | 314 |
| Phylum Hemichordata .....      | 314 |
| Phylum Chordata .....          | 315 |

### PHYLUM PORIFERA

#### Class Calcarea

##### Order Clathrinida

##### Family Clathrinidae

##### *Clathrina coriacea*

(Montagu, 1818)

*Clathrina coriacea* L.

##### Order Leucosolenida

##### Family Leucosoleniidae

##### *Leucosolenia botryoides*

(Ellis and Solander,  
1786)

##### *Leucosolenia botryoides*

L, P, R, S, T, Wi

##### Family Sycettidae

##### *Sycon ciliatum* O. Fabri-

cius, 1780

*Scypha ciliata* L, M, P, R,  
S, T, Wi



**Class Demospongiae**

## Order Halisarcida

## Family Halisarcidae

***Halisarca dujardini***

Johnston, 1842

*Halisarca dujardini* R

## Order Poecilosclerida

## Family Acarnidae

***Iophon nigricans***

(Bowerbank, 1863)

*Iophon nigricans* L, M, P

## Family Microcionidae

***Microciona prolifera*** (Ellis  
and Solander, 1786)*Microciona prolifera* L,  
P

## Family Myxillidae

***Myxilla fimbriata***

(Bowerbank, 1864)

*Myxilla fimbriata* L***Myxilla incrustans***

(Johnston, 1842)

*Myxilla incrustans* L, P

## Family Tedaniidae

***Tedania suctorica*** (Schmidt,  
1870)*Tedania suctorica* L

## Family Mycalidae

***Mycale lingua*** (Bowerbank,  
1858)*Mycale lingua* L***Mycale ovulum*** (Schmidt,  
1870)*Mycalecarmia ovulum* L,  
P

## Family Isodictyiidae

***Isodictya deichmannae*** de  
Laubenfels, 1949*Isodictya deichmannae*  
L, P, Pe***Isodictya palmata*** (Ellis and  
Solander, 1786)*Isodictya palmata* L, P, R

## Order Halichondrida

## Family Halichondriidae

***Halichondria bowerbanki***

Burton, 1930

*Halichondria*  
*bowerbanki* P, Pe***Halichondria panicea***

(Pallas, 1766)

*Halichondria panicea* L,  
O, P, R, S, T, Wi***Halichondria sitiens***

(Schmidt, 1870)

*Pellina sitiens* L, P***Hymeniacion heliophila***

(Parker, 1910)

*Hymeniacion*  
*heliophila* M

## Order Haplosclerida

## Family Chalinidae

***Haliclona canaliculata***

Hartman, 1958

*Haliclona canaliculata* P***Haliclona oculata*** (Pallas,  
1766)*Haliclona oculata* L, R,  
S, Wi

## Order Hadromerida

## Family Clionaidae

***Cliona celata*** Grant, 1826*Cliona celata* L, P, S, Wi***Pione vastifica*** (Hancock,  
1849)*Cliona vastifica* L, P

## Family Polymastiidae

***Polymastia robusta***

(Bowerbank, 1816)

*Polymastia robusta* L,  
Lr<sub>2</sub>, Lr<sub>3</sub>, M, P

## Family Suberitidae

***Suberites ficus*** (Pallas,  
1766)*Suberites ficus* L, P

## Key to the Abbreviations for Porifera

|                 |                         |
|-----------------|-------------------------|
| L               | Langer 1973             |
| Lr <sub>2</sub> | Larsen and Doggett 1975 |
| Lr <sub>3</sub> | Larsen 1975             |
| M               | Meinkoth 1975           |
| O               | O'Brien 1972            |
| P               | Perkins and Larsen 1975 |
| Pe              | Peabody Museum          |
| R               | Riser 1970              |
| S               | Spencer 1973            |
| T               | Trott 2004b             |
| Wi              | Weiss 1980              |

## PHYLUM CNIDARIA

### Class Scyphozoa

#### Order Stauromedusae

##### Suborder Eleutherocarpida

##### Family Lucernariidae

##### *Haliclystus auricula*

(Rathke, 1806)

*Haliclystus auricula* B, P

##### *Haliclystus salpinx* Clark, 1863

*Haliclystus salpinx* L, M,  
P, S

##### *Halmocyathus lagena* (O. F. Müller, 1776)

*Halmocyathus lagena* B

##### *Lucernaria quadricornis* O. F. Müller, 1776

*Lucernaria quadricornis*  
B, L, M, P, Pe, S, V<sub>6</sub>

##### Suborder Cleistocarpida

##### Family Depastridae

##### *Craterolophus convolvulus* (Johnston, 1835)

*Craterolophus convolvulus* L, P, R

#### Order Semaestomeae

##### Family Cyaneidae

##### *Cyanea capillata*

(Linnaeus, 1758)

*Cyanea capillata* B, L,  
M, P, USNM

*Cyanea arctica* V<sub>6</sub>

##### Family Ulmaridae

##### *Aurelia aurita* (Linnaeus, 1758)

*Aurelia aurita* B, L, P, T  
*Aurelia flavidula* V<sub>6</sub>

##### *Phacellophora*

*camtschatica* Brandt,  
1835

*Callinema ornata* V<sub>2</sub>, V<sub>3</sub>,  
V<sub>6</sub>

*Phacellophora ornata* B

### Class Hydrozoa

\*An asterisk (\*) precedes species listed under both their hydroid and medusoid stages.

#### Order Anthoathecata—athecate hydroids

##### Family Clavidae

##### *Clava multicornis*

(Forsskål, 1775)

*Clava leptostyla* F, L, O,  
P, R, S, T

##### Family Hydractiniidae

##### \**Hydractinia americana*

Edwards, 1972

<sup>1</sup>*Podocoryne carnea* L

##### *Hydractinia echinata*

(Fleming, 1828)

*Hydractinia echinata* L,  
P, S

##### Family Bougainvilliidae

##### \**Bougainvillia*

*superciliaris* (L.

Agassiz, 1849)

*Bougainvillia*

*superciliaris* B

##### Family Pandeidae

##### \**Leuckartiara octona*

(Fleming, 1823)

*Campanularia repens*

USNM

##### Family Eudendriidae

##### *Eudendrium capillare*

Alder, 1856

*Eudendrium capillare*

USNM

*Eudendrium tenue* Wi

##### *Eudendrium cochleatum*

Allman, 1877

*Eudendrium cochleatum*

F

##### *Eudendrium dispar* L.

Agassiz, 1862

*Eudendrium dispar* F

##### *Eudendrium ramosum*

(Linnaeus, 1758)

*Eudendrium ramosum*

USNM

- Family Zancleidae  
 \**Zancklea costata*  
 Gegenbaur, 1857  
*Zancklea costata* M
- Family Acaulidae  
*Acaulis primarius*  
 Stimpson, 1853  
*Acaulis primarius* V<sub>6</sub>  
*Candelabrum phrygium*  
 (O. Fabricius, 1780)  
*Blastothela rosea* V<sub>11</sub>
- Family Corymorphidae  
*Corymorpha nutans* M.  
 Sars, 1835  
*Corymorpha nutans* Fl  
*Corymorpha pendula* L.  
 Agassiz, 1862  
*Corymorpha pendula* L,  
 M, P, S, USNM  
*Hybocodon pendula* B
- Family Tubulariidae  
*Ectopleura crocea* (L.  
 Agassiz, 1862)  
*Tubularia crocea* L, P, Wi  
*Ectopleura larynx* (Ellis  
 and Solander, 1786)  
*Thamnocnidia larynx*  
 USNM  
*Tubularia larynx* L, P, R,  
 Wi  
*Tubularia spectabilis* L, P  
*Tubularia tenella* F  
*Tubularia indivisa*  
 Linnaeus, 1758  
*Tubularia indivisa* M
- Family Corynidae  
 \**Sarsia tubulosa* (M. Sars,  
 1835)  
*Sarsia mirabilis* B
- Order Anthoathecatae—hydromedusae
- Family Hydractiniidae  
 \**Hydractinia americana*  
 Edwards, 1972  
<sup>1</sup>*Podocoryne carnea* L  
*Hydractinia borealis*  
 (Mayer, 1900)  
*Lymnorea borealis* B
- Family Bougainvilliidae  
 \**Bougainvillia*  
*superciliaris* (L.  
 Agassiz, 1849)  
*Bougainvillia*  
*superciliaris* B
- Family Pandeidae  
*Catablema vesicarium* (A.  
 Agassiz, 1862)  
*Catablema vesicaria* B  
 \**Leuckartiara octona*  
 (Fleming, 1823)  
*Leuckartiara octona* B  
*Campanularia repens*  
 USNM
- Family Zancleidae  
 \**Zancklea costata*  
 Gegenbaur, 1857  
*Zancklea costata* M
- Family Corynidae  
 \**Sarsia tubulosa* (M. Sars,  
 1835)  
*Sarsia mirabilis* B
- Order Limnomedusae
- Family Olindiidae  
*Gonionemus vertens* L.  
 Agassiz, 1862  
*Gonionemus vertens* L,  
 P, M
- Order Leptothecatae—thecate hydroids
- Family Melicertidae  
*Melicertum octocostatum*  
 (M. Sars, 1835)  
*Melicertum*  
*octocostatum* M  
*Melicertum campanula*  
 B, V<sub>6</sub>
- Family Calycellidae  
*Calycella syringa*  
 (Linnaeus, 1767)  
*Calycella syringa* L,  
 USNM  
*Calycella pygmaea*  
 USNM  
*Calycella syringes* P
- Family Haleciidae  
*Halecium articulatum*  
 Clark, 1875  
*Halecium articulatum* F,  
 Pe

- Halecium beanii*** (Johnston, 1838)  
*Halecium beanii* F, USNM
- Halecium halecinum*** (Linnaeus, 1758)  
*Halecium halecinum* F, USNM
- Halecium muricatum*** (Ellis and Solander, 1786)  
*Halecium muricatum* F, USNM
- Halecium sessile*** Norman, 1867  
*Halecium sessile* USNM  
 Family Plumulariidae
- Nemertesia americana*** (Nutting, 1900)  
*Antennularia americana* L, M
- Plumularia gracillima*** (G. O. Sars, 1873)  
*Plumaria verrilli* Pe  
*Schizotricha gracillima* F  
 Family Aglaopheniidae
- Lytocarpia myriophyllum*** (Linnaeus, 1758)  
*Thecocarpus myriophyllum* F  
 Family Lafoeidae
- Lafoea dumosa*** (Fleming, 1828)  
*Lafoea dumosa* USNM  
*Hebella pocillum* F  
 Family Campanulariidae
- Campanularia groenlandica*** (Levinsen, 1893)  
*Campanularia groenlandica* F, USNM
- Campanularia volubilis*** (Linnaeus, 1758)  
*Campanularia volubilis* USNM  
*Clytia volubilis* B
- Clytia hemisphaerica*** (Linnaeus, 1767)  
*Clytia johnstoni* USNM  
*Oceania languida* V<sub>6</sub>  
*Phialidium languidum* B
- Laomedea flexuosa*** Alder, 1857  
*Campanularia flexuosa* F, O, P, USNM
- Obelia dichotoma*** (Linnaeus, 1758)  
*Obelia dichotoma* B, F
- Obelia geniculata*** (Linnaeus, 1758)  
*Obelia geniculata* F, L, M, O, P, S, T, USNM
- Obelia longissima*** (Pallas, 1766)  
*Obelia longissima* USNM  
*Obelia articulata* F  
*Obelia commissuralis* B, L
- Orthopyxis integra*** (Macgillivray, 1842)  
*Campanularia caliculata* USNM  
*Campanularia integra* F, USNM
- Rhizocaulus verticillatus*** (Linnaeus, 1758)  
*Campanularia verticillatus* L  
 Family Sertulariidae
- Abietinaria abietina*** (Linnaeus, 1758)  
*Abietinaria abietina* L, P
- Diphasia fallax*** (Johnston, 1847)  
*Diphasia fallax* F, L, P, USNM  
*Aphasia fallax* P
- Diphasia pinastrum*** (Cuvier, 1830)  
*Diphasia alata* USNM
- Dynamena pumila*** (Linnaeus, 1758)  
*Dynamena pumila* T, USNM  
*Sertularia pumila* L, M, O, P, R, S, Wi

- Hydrallmania falcata***  
(Linnaeus, 1758)  
*Hydrallmania falcata* F,  
L, P, T
- Sertularia argentea***  
(Linnaeus, 1758)  
*Sertularia argentea* Fl  
Thuiaria argentea F, L, P
- Sertularia cupressina***  
Linnaeus, 1758  
Thuiaria cupressina F
- Sertularia latiuscula***  
Stimpson, 1853  
*Sertularia latiuscula*  
USNM
- Sertularella polyzonias***  
(Linnaeus, 1758)  
*Sertularella polyzonias* F  
Sertularia polyzonias Fl,  
Fl<sub>2</sub>
- Sertularella rugosa***  
(Linnaeus, 1758)  
*Sertularella rugosa* L
- Sertularia similis*** Clark,  
1876  
Thuiaria similis L, P
- Symplectoscyphus***  
***tricuspidatus*** (Alder,  
1856)  
Sertularia tricuspidata F,  
L, P, USNM
- Tamarisca tamarisca***  
(Linnaeus, 1758)  
Diphasia tamarisca F
- Thuiaria articulata*** (Pallas,  
1766)  
*Thuiaria articulata*  
USNM  
Thuiaria lonchitis F
- Order Leptothecatae —hydromedusae  
Family Melicertidae  
***Melicertum octocostatum***  
(M. Sars, 1835)  
*Melicertum*  
*octocostatum* M  
Melicertum campanula  
B, V<sub>6</sub>
- Family Aequoreidae  
***Aequorea albida*** L. Agassiz,  
1862  
Aequorea aequorea var.  
albida B  
***Rhacostoma atlanticum*** L.  
Agassiz, 1850  
Aequorea groenlandica B
- Family Laodiceidae  
***Staurophora mertensi***  
Brandt, 1838  
*Staurophora mertensi*  
USNM  
Staurophora mertensii B  
Staurophora laciniata V<sub>6</sub>
- Family Tiaropsidae  
***Tiaropsis multicirrata*** (M.  
Sars, 1835)  
Tiaropsis diademata B
- Order Trachymedusae  
Family Rhopalonematidae  
***Aglantha digitalis*** (O.F.  
Müller, 1776)  
Aglantha digitale B
- Subclass Siphonophorae**  
Order Cystonectae  
Family Physaliidae  
***Physalia physalis***  
(Linnaeus, 1758)  
*Physalia physalis* B
- Order Physonectae  
Family Agalmatidae  
***Agalma elegans*** (M. Sars,  
1846)  
*Agalma elegans* B  
***Nanomia cara*** (A. Agassiz,  
1865)  
Stephanomia cara B, L
- Class Anthozoa**  
**Subclass Ceriantipatharia**  
Order Ceriantharia  
Family Cerianthidae  
***Cerianthus borealis*** Verrill,  
1873  
*Cerianthus borealis* L, P,  
R, T, Wi

**Subclass Alcyonaria**

## Order Alcyonacea

## Suborder Alcyoniina

## Family Alcyoniidae

*Drifa glomerata* (Verrill,  
1869)

*Drifa glomerata* Lr<sub>2</sub>, Lr<sub>3</sub>

*Gersemia rubiformis*

(Ehrenberg, 1834)

*Gersemia rubiformis* L,  
P, R, USNM

*Gersemia carnea* V<sub>24</sub>

*Alcyonium carneum* Fl,  
V, V<sub>6</sub>

*Alcyonium rubiforme* V<sub>6</sub>

*Eunephthya rubiformis*  
Pe

**Subclass Zoantharia (= Hexacorallia)**

## Order Actiniaria

## Family Actiniidae

*Aulactinia stella* (Verrill,  
1864)

*Bunodactis stella* M, P,  
Pe, S, USNM, V<sub>6</sub>, V<sub>22</sub>

*Bunodes stella* V, V<sub>6</sub>

*Bolocera tuediae* (Johnson,  
1832)

*Bolocera tuediae* L

*Urticina felina* (Linnaeus,  
1767)

*Urticina felina* T

*Tealia crassicornis* M, O,  
USNM

*Tealia felina* L, P, Pe, S  
*Urticina crassicornis* R,

V<sub>6</sub>, V<sub>22</sub>, V<sub>25</sub>

## Family Actinostolidae

*Actinostola callosa* (Verrill,  
1882)

*Actinostola callosa* P

*Stomphia carneola*

(Stimpson, 1853)

*Stomphia carneola* V<sub>23</sub>,  
V<sub>25</sub>

*Stomphia coccinea* (O.F.  
Müller, 1776)

*Stomphia coccinea* L, P

*Rhodactinia davisii* V

*Stomphia churchiae*

USNM

## Family Diadumenidae

*Diadumene lineata* (Verrill,  
1869)

*Diadumene lineata* P

*Haliplanella luciae* P

## Family Edwardsiidae

*Edwardsia elegans* (Verrill,  
1869)

*Edwardsia elegans* Lr<sub>2</sub>,

M, P, Pe, R, S, T, V<sub>2</sub>,  
V<sub>25</sub>, Wi

*Edwardsia sipunculoides*

(Stimpson, 1853)

*Edwardsia sipunculoides*

Pe, V, V<sub>1</sub>

*Edwardsiella*

*sipunculoides* V<sub>25</sub>

## Family Halcampidae

*Halcampa duodecimcirrata*

(M. Sars, 1851)

*Halcampa*

*duodecimcirrata* S, P,

R, V<sub>25</sub>

*Edwardsia farinacea* V<sub>2</sub>,  
V<sub>25</sub>

## Family Haloclauidae

*Iyanthus laevis* Verrill,  
1864

*Iyanthus laevis* V<sub>1</sub>

*Peachia parasitica* (L.

Agassiz, 1859)

*Peachia parasitica* Pe,

USNM, V, V<sub>6</sub>

*Bicidiopsis tubicola* Pe

## Family Metridiidae

*Metridium senile*

(Linnaeus, 1767)

*Metridium senile* L, Lr<sub>3</sub>,

O, P, Pe, R, S, T, Wi

*Metridium marginatum*

V<sub>6</sub>

**UNCERTAIN RECORDS**

## Order Anthoathecata—athecate

hydroids

## Family Hydractiniidae

<sup>2</sup>*Hydractinia polyclina* (L.  
Agassiz, 1862)

*Hydractinia polyclina* Pe

Order Leptothecatae—thecate hydroids  
Family Sertulariidae

<sup>3</sup>*Abietinaria filicula* (Ellis  
and Solander, 1786)  
Sertularia filicula USNM

<sup>1</sup>In part; not *Podocoryne* M. Sars, 1846  
(D. Calder, pers. comm.).

<sup>2</sup>According to D. Calder (pers. comm.),  
*Hydractinia polyclina* can be distin-  
guished from *H. echinata* only on the  
basis of molecular data.

<sup>3</sup>Alternatively, *Abietinaria abieta*  
(Linnaeus, 1758) according to D. Calder  
(pers. comm.).

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Key to the Abbreviations for Cnidaria

|                 |                                  |
|-----------------|----------------------------------|
| B               | Bigelow 1914                     |
| F               | Fraser 1944                      |
| Fl              | Fuller 1862a                     |
| Fl <sub>2</sub> | Fuller 1862b                     |
| L               | Langer 1973                      |
| Lr <sub>2</sub> | Larsen and Doggett 1975          |
| Lr <sub>3</sub> | Larsen 1975                      |
| M               | Meinkoth 1975                    |
| O               | O'Brien 1972                     |
| P               | Perkins and Larsen 1975          |
| Pe              | Peabody Museum                   |
| R               | Riser 1970                       |
| S               | Spencer 1973                     |
| T               | Trott 2004b                      |
| USNM            | United States National<br>Museum |
| V               | Verrill 1864                     |
| V <sub>1</sub>  | Verrill 1866                     |
| V <sub>2</sub>  | Verrill 1869a                    |
| V <sub>3</sub>  | Verrill 1869b                    |
| V <sub>6</sub>  | Verrill 1871b                    |
| V <sub>11</sub> | Verrill 1878                     |
| V <sub>22</sub> | Verrill 1899a                    |
| V <sub>23</sub> | Verrill 1899b                    |
| V <sub>24</sub> | Verrill 1922a                    |
| V <sub>25</sub> | Verrill 1922b                    |
| Wi              | Weiss 1980                       |

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**PHYLUM CTENOPHORA**

**Class Tentaculata**

Order Cydippida

Family Mertensiidae

*Mertensia ovum* (O.

Fabricius, 1780)

*Mertensia ovum* B, V<sub>6</sub>

Order Thalassocalycida

Family Pleurobranchiidae

*Pleurobranchia pileus*

(O.F. Müller, 1776)

*Pleurobranchia pileus* L,

P, T

Family Thalassocalycida

*Bolinopsis infundibulum*

(O.F. Müller, 1776)

*Bolinopsis infundibulum*

B, L, P

*Bolina alata* V<sub>6</sub>

**Class Nuda**

Order Beroida

Family Beroidae

*Beroe cucumis* Fabricius,  
1780

*Beroe cucumis* B

*Idyia roseola* V<sub>6</sub>

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Key to the Abbreviations for  
Ctenophora

|                |                         |
|----------------|-------------------------|
| B              | Bigelow 1914            |
| L              | Langer 1973             |
| P              | Perkins and Larsen 1975 |
| T              | Trott 2004b             |
| V <sub>6</sub> | Verrill 1871b           |

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**PHYLUM PLATYHELMINTHES****Class Acoelomorpha**

## Order Acoela

## Family Convolutidae

***Aphanostoma sanguineum***

Beklemischev, 1915

*Aphanostoma**sanguineum* Hg&Ty***Conaperta hortulus*** Hooge

and Tyler, 2003

*Conaperta hortulus*

Hg&amp;Ty

***Praeaphanostoma****wadsworthi* Hooge

and Tyler, 2003

*Praeaphanostoma**wadsworthi* Hg***Praeconvoluta tigrina***

Hooge and Tyler,

2003

*Praeconvoluta tigrina*

Hg&amp;Ty

***Praeconvoluta tornuva***

Tyler and Hooge,

1999

*Praeconvoluta tornuva*

Hg

## Family Anaperidae

***Anaperus gardineri*** (Graff,

1911)

*Anaperus gardineri* Hg

## Family Otocelididae

***Otocelis sandara*** Hooge and

Tyler, 2003

*Otocelis sandara* Hg&Ty***Philocelis brueggemanni***

Hooge and Tyler,

2003

*Philocelis brueggemanni*

Hg&amp;Ty

## Family Mecynostomidae

***Paedomecynostomun****bruneum* Dörjes,

1968

*Paedomecynostomun**bruneum* Hg

## Family Solenofilomorphae

***Myopea "caleum"***

[undescribed,

mentioned in Hg&amp;Ty]

*Myopea "caleum"* Ty**Class Rhabditophora**

## Superorder Macrostromorpha

## Order Macrostromida

## Family Macrostromidae

***Paramacrostromum****tricladoides* Riedel,

1932

*Paramacrostromum**tricladoides* Ty

## Order Rhabdocoela

## Suborder "Typhloplanoida"

## Family Trigonostomidae

***Astrotorhynchus bifidus***

(McIntosh, 1874)

*Astrotorhynchus bifidus*

Ty

## Order Seriata

## Suborder Proseriata

## Family Coelogyndidae

***Cirrifer a cirrifer a*** Sopott,

1972

*Cirrifer a cirrifer a* R***Coelogyndopora erotica***

Riser, 1981

*Coelogyndopora erotica*

R

***Coelogyndopora schulzii***

Meixner, 1938

*Coelogyndopora schulzii*

R

## Suborder Tricladida

## Infraorder Maricola

## Superfamily Bdellouroidea

## Family Uteriporidae

## Subfamily Uteriporinae

***Foviella affinis*** (Oersted,

1843)

*Foviella affinis* R*Fovia affinis* V<sub>20</sub>

## Superfamily Procerodoidea

## Family Procerodidae

***Procerodes littoralis***

(Ström, 1768)

*Procerodes littoralis* L,

P, R, T

## Order Polycladida

## Suborder Acotylea

## Superfamily Planoceroidea

## Family Leptoplanidae

## Subfamily Leptoplaninae

*Leptoplana ellipsoides*Girard in Stimpson,  
1853*Leptoplana ellipsoides*V<sub>20</sub>, Wt*Leptoplana variabilis*

Girard, 1850

*Leptoplana variabilis*V<sub>20</sub>

## Subfamily Stylochoplaninae

*Notoplana atomata* O. F.

Müller, 1776

*Notoplana atomata* M,

O, P, Pe, R, S

## Superfamily Stylochoidea

## Family Latocestidae

## Subfamily Trigonoporinae

*Trigonoporus folium*

Verrill, 1873

*Trigonoporus folium* V<sub>20</sub>

## Subfamily Phleniidae

*Discocelides ellipsoides*

(Girard, 1853)

*Discocelides ellipsoides*V<sub>20</sub>Key to the Abbreviations for  
Platyhelminthes

|                 |                         |
|-----------------|-------------------------|
| Hg              | Hooge 2003              |
| Hg & Ty         | Hooge & Tyler 2003      |
| L               | Langer 1973             |
| M               | Meinkoth 1975           |
| O               | O'Brien 1972            |
| P               | Perkins and Larsen 1975 |
| R               | Riser 1970              |
| S               | Spencer 1973            |
| T               | Trott 2004b             |
| Ty              | Tyler 2000              |
| V <sub>20</sub> | Verrill 1892b           |
| Wt              | Whiteaves 1901          |

## PHYLUM NEMERTEA

## Class Anopla

## Order Palaeonemertea

## Family Cephalothricidae

*Cephalothrix linearis*

Rathke, 1799

*Cephalothrix linearis* R,V<sub>19</sub>*Procephalothrix spiralis*

Coe, 1930

*Procephalothrix spiralis*

R

## Order Heteronemertea

## Family Lineidae

*Cerebratulus lacteus* Leidy,

1851

*Cerebratulus lacteus* L,

P, T

*Cerebratulus fuscus* V<sub>19</sub>,W&B<sub>2</sub>, Wt, USNM*Fragilonemertes rosea*

(Leidy, 1851)

<sup>1</sup>*Micrura leidyi* P*Lineus ruber* O.F. Müller,

1774

*Lineus ruber* L, O, P, R,

S, T, Wi

*Lineus viridis* O.F. Müller,

1774

*Lineus viridis* R, T, V<sub>15</sub>,V<sub>19</sub>, Wt*Micrura affinis* Verrill,

1879 (or Girard in

Stimpson, 1853)

*Micrura affinis* V<sub>19</sub>, Wt*Micrura dorsalis* Verrill,

1892

*Micrura dorsalis* Co, V<sub>19</sub>*Ramphogordius**sanguineus* (Riser,

1998)

*Myoisophagos**sanguineus* R*Lineus communis* V<sub>14</sub><sup>2</sup>*Lineus socialis* V<sub>19</sub>

**Class Enopla**

Order Hoplonemertea

Suborder Monostilifera

Family Prosorhochmidae

***Oerstedtia dorsalis***

Abildgaard, 1806

*Oerstedtia dorsalis* R*Tetrastemma dorsale*,  
variety *marmoratum*V<sub>19</sub>*Tetrastemma dorsale*,  
variety *unicolor* V<sub>19</sub>

Family Amphiporidae

***Amphiporus angulatus***

O.F. Müller, 1774

*Amphiporus angulatus* L,  
O, P, R, S, T, V<sub>19</sub>,W&B<sub>2</sub>, Wt<sup>3</sup>*Amphiporus multisorus*  
V<sub>19</sub>***Amphiporus bioculatus***

McIntosh, 1873–1874

*Amphiporus bioculatus*  
O, P***Amphiporus caecus*** Verrill,  
1892*Amphiporus caecus* L, P<sup>4</sup>***Amphiporus frontalis***

Verrill, 1892

*Amphiporus frontalis*  
Co, V<sub>19</sub><sup>5</sup>***Amphiporus******groenlandicus***

Oersted, 1843

*Amphiporus*  
*groenlandicus* Wi<sup>6</sup>***Amphiporus heterosorus***

Verrill, 1892

*Amphiporus heterosorus*  
V<sub>19</sub>***Amphiporus lactifloreus***

Johnston, 1828

*Amphiporus lactifloreus*  
M, R, V<sub>14</sub>, V<sub>19</sub>***Cyanophthalma vittata***

(Verrill, 1874)

*Cyanophthalma*  
*cordiceps* R

Family Tetrastemmatidae

***Tetrastemma candidum***

O.F. Müller, 1774

*Tetrastemma candidum*

O, P, R

<sup>1</sup>Now in part (Riser 1998).<sup>2</sup>Now in part on United States east coast  
(Riser 1998).<sup>3</sup>Synonym of *A. angulatus* fide Coe  
(1943), but nomen dubium under  
original name (Gibson and Crandall 1989).<sup>4</sup>Nomen dubium fide Gibson and  
Crandall (1989).<sup>5</sup>Nomen dubium in part, Western Atlantic  
fide Gibson and Crandall (1989).<sup>6</sup>Nomen dubium fide Gibson and  
Crandall (1989).

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**Key to the Abbreviations for Nemertea**

|                  |                                      |
|------------------|--------------------------------------|
| Co               | Coe 1943                             |
| L                | Langer 1973                          |
| M                | Meinkoth 1975                        |
| O                | O'Brien 1972                         |
| P                | Perkins and Larsen 1975              |
| R                | Riser 1970                           |
| S                | Spencer 1973                         |
| T                | Trott 2004b                          |
| USNM             | United States National<br>Museum     |
| V <sub>14</sub>  | Verrill 1880a                        |
| V <sub>15</sub>  | Verrill 1880b                        |
| V <sub>19</sub>  | Verrill 1892a                        |
| W&B <sub>2</sub> | Webster and Benedict<br>NMNH Records |
| Wi               | Weiss 1980                           |
| Wt               | Whiteaves 1901                       |

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**PHYLUM NEMATODA (NEMATODA)*****Pontonema vulgare***

(Bastian, 1865)

*Pontonema vulgare* R

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**Key to the Abbreviations for Nematoda**

|   |            |
|---|------------|
| R | Riser 1970 |
|---|------------|

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**PHYLUM PRIAPULA**

Family Priapulidae

***Priapulus caudatus***

Lamarck, 1816

*Priapulus caudatus* L,Lr<sub>3</sub>, M, P, R, S, T, Wi

## Key to the Abbreviations for Priapula

|                 |                         |
|-----------------|-------------------------|
| L               | Langer 1973             |
| Lr <sub>3</sub> | Larsen 1975             |
| M               | Meinkoth 1975           |
| P               | Perkins and Larsen 1975 |
| R               | Riser 1970              |
| S               | Spencer 1973            |
| T               | Trott 2004b             |
| Wi              | Weiss 1980              |

**PHYLUM SIPUNCULA****Class Sipunculidea**

Order Sipunculiformes

Family Sipunculidae

***Phascolopsis gouldii***

(Portalés, 1851)

*Phascolopsis gouldii* P

Order Golfingiiformes

Family Golfingiidae

***Nephasoma diaphanes****diaphanes* (Gerould,  
1913)*Golfingia minuta* R

Family Phascolionidae

***Phascolion strombus****strombus* (Montagu,  
1804)*Phascolion strombus*  
*strombus* T*Phascolion strombi* Lr<sub>2</sub>,  
Pe, USNM*Sipunculus bernnhardus*  
Fl

## Key to the Abbreviations for Sipuncula

|                 |                         |
|-----------------|-------------------------|
| Fl              | Fuller 1862a            |
| Lr <sub>2</sub> | Larsen and Doggett 1975 |
| P               | Perkins and Larsen 1975 |
| R               | Riser 1970              |
| T               | Trott 2004b             |

**PHYLUM ANNELIDA****Class Polychaeta****Scolecida**

Family Arenicolidae

***Arenicola marina***

(Linnaeus, 1758)

*Arenicola marina* L, Mc,P, Pe, R, S, V<sub>14</sub>, W&B<sub>1</sub>*Arenicola piscatorum* V<sub>6</sub>

Family Capitellidae

***Capitella capitata*** (O.

Fabricius, 1780)

[wrong author van

Beneden cited in

W&B<sub>1</sub>]*Capitella capitata* Lr,USNM, W&B<sub>1</sub>***Heteromastus filiformis***

(Claparède, 1864)

*Heteromastus filiformis*

P

*Notomastus capillaris*W&B<sub>1</sub>***Notomastus latericeus*** M.

Sars, 1851

*Notomastus latericeus* P

Family Maldanidae

Subfamily Euclymeninae

***Clymenella torquata***(Leidy, 1855) [wrong  
author Verrill cited in  
W&B<sub>1</sub>]*Clymenella torquata* P,Pe, W&B<sub>1</sub>, Wi***Euclymene zonalis*** (Verrill,

1874)

*Euclymene zonalis* P*Clymenella zonalis* Mc*Praxillella zonalis* W&B<sub>1</sub>***Praxillella praetermissa***

(Malmgren, 1865)

[wrong author Verrill  
cited in W&B<sub>1</sub>]*Praxillella praetermissa*W&B<sub>1</sub>***Sabaco elongata*** (Verrill,

1873)

*Maldanopsis elongata*

Mc

- Subfamily Nicomachinae  
*Nicomache lumbricalis*  
 (Savigny 1822)  
 [wrong author  
 Malmgren cited in  
 W&B<sub>1</sub>]  
*Nicomache lumbricalis*  
 Pe, W&B<sub>1</sub>
- Subfamily Rhodininae  
*Rhodine loveni* Malmgren,  
 1865  
*Rhodine loveni* W&B<sub>1</sub>
- Family Cossuridae  
*Cossura longocirrata*  
 Webster and  
 Benedict, 1887  
*Cossura longocirrata*  
 USNM, W&B<sub>1</sub>,  
 W&B<sub>2</sub>
- Family Opheliidae  
*Ophelina acuminata*  
 Oersted, 1843  
*Ophelina acuminata* Lr<sub>2</sub>,  
 Lr<sub>3</sub>, P, S, R, T  
 Ammotrypane  
 aulogaster L  
 Ophelina aulogastra  
 W&B<sub>1</sub>  
*Travisia carnea* Verrill,  
 1873  
*Travisia carnea* Lr<sub>2</sub>, Lr<sub>3</sub>,  
 M, R, T, Wi
- Family Orbiniidae  
 Subfamily Orbiniinae  
*Haploscoloplos fragilis*  
 (Verrill, 1873)  
*Haploscoloplos fragilis*  
 P  
*Haploscoloplos robustus*  
 (Verrill, 1873)  
*Haploscoloplos robustus*  
 P  
*Naineris quadricuspida* (O.  
 Fabricius, 1780)  
*Naineris quadricuspida*  
 L, Lr, Mc, P, Pe, R, T,  
 USNM, W&B<sub>1</sub>,  
 [variant spelling  
 Naidonereis in  
 W&B<sub>1</sub>], W&B<sub>2</sub>, Wi
- Scoloplos (Leitoscoloplos)*  
*acutus* (Verrill, 1873)  
*Scoloplos*  
 (*Leitoscoloplos*)  
*acutus* P  
*Scoloplos armiger* (O.F.  
 Müller, 1776) [wrong  
 authors (Blv.)  
 Oersted cited in  
 W&B<sub>1</sub>]  
*Scoloplos armiger* Pe,  
 USNM, W, W&B<sub>1</sub>,  
 W&B<sub>2</sub>
- Family Paraonidae  
*Aricidea (Acesta)*  
*catherinae* Laubier,  
 1967  
*Aricidea jeffreysii* Lr<sub>3</sub>  
*Aricidea nolani* Webster  
 and Benedict, 1887  
*Aricidea nolani* USNM,  
 W&B<sub>1</sub>, W&B<sub>2</sub>  
*Aricidea quadrilobata*  
 Webster and  
 Benedict, 1887  
*Aricidea quadrilobata*  
 Mc, USNM, W,  
 W&B<sub>1</sub>, W&B<sub>2</sub>  
*Levinsenia gracilis*  
 (Tauber, 1879)  
*Paraonis gracilis* Lr<sub>3</sub>  
*Paraonis fulgens*  
 (Levinsen, 1883)  
*Paraonis fulgens* Lr
- Family Scalibregmidae  
*Scalibregma inflatum*  
 Rathke, 1843  
*Scalibregma inflatum*  
 W&B<sub>1</sub>, W&B<sub>2</sub>  
*Scalibregma minutum*  
 Webster and  
 Benedict, 1887  
*Scalibregma minutum*  
 USNM, W, W&B<sub>1</sub>

- Palpata**  
**Aciculata**  
**Eunicida**  
 Family Dorvilleidae  
*Parougia caeca* (Webster and Benedict, 1887)  
*Parougia caeca* R  
 Family Eunicidae  
*Eunice pennata* (O.F. Müller, 1776)  
*Eunice pennata* P, Pe  
 Family Euphosinidae  
*Euphosine borealis*  
 Oersted, 1843  
*Euphosine borealis* Pe,  
 W, USNM, W&B<sub>1</sub>,  
 W&B<sub>2</sub> [variant  
 spelling  
 Euphosyne in W&B<sub>1,2</sub>]  
 Family Lumbrinereidae  
**Lumbrineris acicularum**  
 Webster and  
 Benedict, 1887  
*Lumbrineris acicularum*  
 USNM, W&B<sub>1</sub>  
 [variant spelling  
*Lumbrinereis* in  
 W&B<sub>1</sub>], W&B<sub>2</sub>  
**Lumbrineris fragilis** (O.F.  
 Müller, 1776) [wrong  
 author (Aud. & M.  
 Ed.) cited in W&B<sub>1</sub>]  
*Lumbrineris fragilis* L,  
 Lr<sub>3</sub>, Mc, P, W, W&B<sub>1</sub>,  
 W&B<sub>2</sub>  
**Lumbrineris hebes** Verrill,  
 1880  
*Lumbrineris hebes*  
 W&B<sub>1</sub> [variant  
 spelling Lumbrinereis  
 in W&B<sub>1</sub>]  
**Lumbrineris tenuis**  
 (Verrill, 1873)  
*Lumbrineris tenuis* Lr<sub>3</sub>,  
 P, S  
**Ninoe nigripes** Verrill, 1873  
*Ninoe nigripes* Lr<sub>3</sub>, P,  
 W&B<sub>1</sub>

- Family Oeononidae  
*Arabella iricolor* (Montagu,  
 1804)  
*Arabella iricolor* P, T  
**Drilonereis longa** Webster,  
 1879  
*Drilonereis longa* P  
**Drilonereis magna** Webster  
 and Benedict, 1887  
*Drilonereis magna* Lr<sub>3</sub>,  
 P, USNM, W, W&B<sub>1</sub>,  
 W&B<sub>2</sub>  
 Family Onuphidae  
**Nothria conchylega** (M.  
 Sars, 1835) [wrong  
 author Malmgren  
 cited in W&B<sub>1</sub>]  
*Nothria conchylega*  
 W&B<sub>1</sub>, W&B<sub>2</sub>  
*Onuphis conchylega* Pe  
  
**Phyllodocida**  
 Family Aphroditidae  
**Aphrodita aculeata**  
 Linnaeus, 1758  
*Aphrodita aculeata* Pe,  
 W&B<sub>1</sub>  
*Aphrodite aculeata* V<sub>6</sub>  
**Aphrodita hastata** Moore,  
 1905  
*Aphrodita hastata* L, Lr<sub>3</sub>,  
 Pe  
*Aphrodite hastata* Lr<sub>2</sub>, P,  
 S  
**Laetmonice filicornis**  
 Kinberg, 1855  
*Laetmonice filicornis* Pe  
*Laetmonice armata*  
 W&B<sub>1</sub> [variant  
 spelling Laetmatonice  
 of generic name in  
 W&B<sub>1</sub>]  
 Family Chrysopetalidae  
**Dysponetus pygmaeus**  
 Levinsen, 1879  
*Dysponetus pygmaeus* P,  
 Pt, W&B<sub>2</sub>  
*Taphus hebes* USNM, W,  
 W&B<sub>1</sub>, W&B<sub>2</sub>

## Family Goniadidae

***Goniada maculata*** Oersted,  
1843

*Goniada maculata*  
USNM, W&B<sub>1</sub>,  
W&B<sub>2</sub>

## Family Glyceridae

***Glycera capitata*** Oersted,  
1843

*Glycera capitata* Lr<sub>2</sub>, Lr<sub>3</sub>,  
Pe

Rhynchobolus capitatus  
W&B<sub>1</sub>

***Glycera dibranchiata***

Ehlers, 1868

*Glycera dibranchiata*  
Mc, P, S, T

Euglycera dibranchiatus  
W&B<sub>1</sub>

## Family Goniadidae

***Goniada maculata*** Oersted,  
1843

*Goniada maculata*  
W&B<sub>1</sub>

## Family Hesionidae

***Gyptis vittata*** Webster and  
Benedict, 1887

*Gyptis vittata* P, USNM,  
W&B<sub>1</sub>, W&B<sub>2</sub>

***Microphthalmus aberrans***

(Webster and  
Benedict, 1887)

*Microphthalmus*  
*aberrans* P, Pt, R,  
W&B<sub>2</sub>

Podarke aberrans  
USNM, W, W&B<sub>1</sub>,  
W&B<sub>2</sub>

<sup>1</sup>***Microphthalmus***

*pettiboneae* Riser,  
2000

*Microphthalmus*  
*pettiboneae* R

## Family Nephtyidae

***Nephtys bucera***

Ehlers, 1868

*Nephtys bucera* Lr<sub>3</sub>, P, R  
*Nephtys picta* Lr<sub>2</sub>

***Nephtys caeca*** (O. Fabri-  
cius, 1780) [wrong  
author Oersted cited  
in W&B<sub>1</sub>]

*Nephtys caeca* P, Pe, S,  
T, USNM, W, Wi  
*Nephtys caeca* W&B<sub>1</sub>,  
W&B<sub>2</sub>

***Nephtys ciliata*** (O.F.

Müller, 1788) [wrong  
author Rathke, 1843  
cited in W&B<sub>1</sub>]

*Nephtys ciliata* L, P, Pe,  
USNM

*Nephtys ciliata* W&B<sub>1</sub>,  
W&B<sub>2</sub>

***Nephtys discors*** Ehlers,  
1868

*Nephtys discors* Pe  
*Nephtys discors* W&B<sub>1</sub>

***Nephtys incisa*** Malmgren,  
1865

*Nephtys incisa* S, USNM,  
W, Wi

*Nephtys incisa* W&B<sub>1</sub>,  
W&B<sub>2</sub>

***Nephtys longosetosa***

Oersted, 1843

*Nephtys longosetosa* Lr

***Nephtys paradoxa***

Malmgren, 1874

*Nephtys paradoxa* P

## Family Nereididae

***Neanthes diversicolor*** (O.F.  
Müller, 1776)

*Neanthes diversicolor*  
Lr<sub>3</sub>

*Hediste diversicolor* P, R  
*Nereis diversicolor* Lr<sub>2</sub>

***Neanthes virens*** (M. Sars,  
1835)

*Nereis grandis* V<sub>6</sub>, W&B<sub>2</sub>  
*Nereis virens* Lr<sub>2</sub>, Mc, O,  
P, Pe, R, S, USNM,  
W&B<sub>1</sub>, W&B<sub>2</sub>

***Nereis pelagica*** Linnaeus,  
1761

*Nereis pelagica* L, Lr,  
Mc, P, Pe, Pt, USNM,  
W&B<sub>1</sub>, W&B<sub>2</sub>, Wi



- Nereis zonata* Malmgren,  
1867  
*Nereis zonata* Lr<sub>2</sub>, Lr<sub>3</sub>  
Family Pholoidae
- Pholoe minuta*** (O.  
Fabricius, 1780)  
*Pholoe minuta* Lr<sub>2</sub>, Lr<sub>3</sub>,  
R, W, W&B<sub>1</sub>, W&B<sub>2</sub>  
[wrong author  
Oersted cited in  
W&B<sub>1,2</sub>]
- Family Phyllocididae
- Eteone flava*** (O. Fabricius,  
1780)  
*Eteone sarsi* W&B<sub>1</sub>
- Eteone heteropoda***  
Hartman, 1951  
*Eteone heteropoda* P
- Eteone lactea*** Claparède,  
1868  
*Eteone lactea* M
- Eteone longa*** (O. Fabricius,  
1780)  
*Eteone longa* Lr, Lr<sub>2</sub>, Lr<sub>3</sub>
- Eteone trilineata*** Webster  
and Benedict, 1887  
*Eteone trilineata* Lr<sub>2</sub>, Lr<sub>3</sub>,  
Pt, USNM, W, W&B<sub>1</sub>,  
W&B<sub>2</sub>
- Eulalia bilineata*** Johnston,  
1840  
*Eulalia bilineata* USNM,  
W, W&B<sub>1</sub>, W&B<sub>2</sub>  
*Eulalia dubia* W&B<sub>1,2</sub>
- Eulalia viridis*** (Linnaeus,  
1767) [wrong author  
Müller cited in  
W&B<sub>2</sub>]
- Eulalia viridis* L, M, P,  
Pe, USNM, W, W&B<sub>2</sub>
- Mystides borealis*** Théel,  
1879  
*Mystides borealis* P, Pt,  
W&B<sub>2</sub>  
*Mystides viridis* USNM,  
W&B<sub>1</sub>, W&B<sub>2</sub>
- Paranaitis speciosa***  
(Webster, 1880)  
*Anaitis speciosa* W&B<sub>1</sub>
- Phyllodoce badia***  
Malmgren, 1867  
*Phyllodoce badia* W&B<sub>1</sub>
- Phyllodoce groenlandica***  
(Oersted, 1842)  
*Phyllodoce groenlandica*  
L, Lr<sub>2</sub>, Lr<sub>3</sub>, M, P  
(variant spelling P.  
groenlandic in P), Pe,  
USNM, W&B<sub>1</sub>,  
W&B<sub>2</sub>
- Phyllodoce maculata***  
(Linnaeus, 1767)  
*Phyllodoce maculata*  
Lr<sub>2</sub>, Lr<sub>3</sub>, USNM,  
W&B<sub>2</sub>
- Phyllodoce mucosa***  
Oersted, 1843  
*Phyllodoce mucosa* Mc,  
USNM, W, W&B<sub>1</sub>,  
W&B<sub>2</sub>
- Family Polynoidae  
Subfamily Harmothoinae
- Eunoe nodosa*** (M. Sars,  
1861) [wrong author  
Malmgren cited in  
W&B<sub>1</sub>]
- Eunoe nodosa* W&B<sub>1</sub>  
[variant spelling  
Eunoa in W&B<sub>1</sub>]
- Harmothoe nodosa* Pe
- Eunoe oerstedii*** Malmgren,  
1865  
*Eunoe oerstedii* Pe  
*Harmothoe oerstedii* Pe
- Gattyana cirrhosa*** (Pallas,  
1766)  
*Gattyana cirrhosa* M, P  
*Nychia cirrosa* W&B<sub>1</sub>
- Harmothoe imbricata***  
(Linnaeus, 1767)  
[wrong author  
Malmgren cited in  
W&B<sub>1</sub>]
- Harmothoe imbricata* L,  
Lr<sub>2</sub>, Lr<sub>3</sub>, O [variant  
spelling *Harmathoe* in  
O], P, Pe, R, S, T,  
W&B<sub>1</sub> [variant  
spelling *Hamathoë* in  
W&B<sub>1</sub>], Wi

- Lagisca extenuata*** (Grube, 1840)  
*Lagisca extenuata* Lr, Lr<sub>3</sub>, R  
 Harmothoe extenuata Lr<sub>2</sub>, Pe, Wi [variant spelling H. extenuate in Wi]
- Lagisca rarispina*** (M. Sars, 1861) [wrong author (Malmgren) cited in W&B<sub>1</sub>]  
*Lagisca rarispina* W&B<sub>1</sub>  
 Subfamily Lepidonotidae
- Lepidametria commensalis*** (Webster, 1879)  
*Lepidametria commensalis* P
- Lepidonotus squamatus*** (Linnaeus, 1767) [wrong author (Kinberg) cited in W&B<sub>1</sub>]  
*Lepidonotus squamatus* L, Lr<sub>3</sub>, O, P, Pe, R, S, T, W&B<sub>1</sub>, Wi
- Family Protodriloididae
- Protodriloides cf chaetifer*** (Remane, 1925)  
*Protodriloides cf chaetifer* R
- Family Sigalionidae
- Neoleanira tetragona*** (Oersted, 1845)  
*Neoleanira tetragona* Pe
- Family Sphaerodoridae
- Ephesiella minuta*** (Webster and Benedict, 1887)  
*Ephesiella minuta* P, Pt, W&B<sub>2</sub>  
*Ephesia gracilis* W&B<sub>1</sub>  
*Ephesia minuta* USNM, W, W&B<sub>1</sub>, W&B<sub>2</sub>  
*Sphaerodorum gracilis* USNM, W, W&B<sub>2</sub>
- Family Syllidae
- Subfamily Autolytinae
- Autolytus prolifer*** (O. F. Müller, 1788)  
*Autolytus prolifer* L, USNM, W&B<sub>2</sub>
- Autolytus varians*** Verrill, 1881  
*Autolytus solitarius* USNM, W&B<sub>1</sub>, W&B<sub>2</sub>
- Autolytus verrilli*** Marenzeller, 1892  
*Autolytus alexandri* L, USNM, W, W&B<sub>2</sub>  
*Proceraea ornata* W&B<sub>1</sub>  
*Stephanosyllis ornata* W&B<sub>1</sub>
- Proceraea cornuta*** L. Agassiz, 1862  
*Autolytus cornutus* L, USNM, W&B<sub>1</sub>, W&B<sub>2</sub>
- Proceraea prismatica*** O. Fabricius, 1780  
*Autolytus prismaticus* L, USNM, W, W&B<sub>2</sub>  
*Proceraea gracilis* Pe, W&B<sub>1</sub>, W&B<sub>2</sub>
- Subfamily Eusyllinae
- Amblyosyllis cincinnata*** (Verrill, 1874)  
*Amblyosyllis cincinnata* R
- Amblyosyllis finmarchica*** (Malmgren, 1867)  
*Amblyosyllis finmarchica* L, M, P, Pt, USNM, W&B<sub>2</sub>  
*Pterosyllis cincinnata* W&B<sub>1</sub> [variant spelling P. cincinnata in W&B<sub>1</sub>]
- Streptosyllis varians*** Webster and Benedict, 1887  
*Streptosyllis varians* P, Pt, USNM, W, W&B<sub>2</sub>

- Syllides benedicti* Banse, 1972  
*Syllides benedicti* R, W&B<sub>2</sub>
- Syllides convoluta* Webster and Benedict, 1884  
*Syllides convoluta* R, W&B<sub>1</sub>
- Syllides eburneus* Riser, 1997  
*Syllides eburneus* R
- Syllides longocirrata* (Oersted, 1845)  
*Syllides longocirrata* USNM, W, W&B<sub>1</sub>, W&B<sub>2</sub>
- Subfamily Exogoninae
- Eusyllis blomstrandi* Malmgren, 1867  
*Eusyllis blomstrandi* L, P, Pt, USNM, W&B<sub>1</sub>, W&B<sub>2</sub>
- Exogone dispar* (Webster, 1879)  
*Exogone dispar* Lr<sub>2</sub>, Lr<sub>3</sub>, R, W&B<sub>2</sub>
- Exogone hebes* (Webster and Benedict, 1884)  
*Exogone hebes* Lr, Mc, R, USNM, W, W&B<sub>2</sub>  
 Paedophylax hebes W&B<sub>1</sub>, W&B<sub>2</sub>
- Exogone longicirrus* Webster and Benedict, 1887  
 Paedophylax longicirrus USNM, W, W&B<sub>1</sub>, W&B<sub>2</sub>
- Exogone verugera* (Claparède, 1868)  
*Exogone verugera* Lr<sub>2</sub>, Lr<sub>3</sub>, W&B<sub>2</sub>  
 Paedophylax brevicornis USNM, W, W&B<sub>1</sub>, W&B<sub>2</sub>
- Sphaerosyllis brevifrons* Webster and Benedict, 1884  
*Sphaerosyllis brevifrons* R, USNM, W, W&B<sub>1</sub>, W&B<sub>2</sub>
- Sphaerosyllis erinaceus* Claparède, 1863  
*Sphaerosyllis erinaceus* W&B<sub>2</sub>  
*Sphaerosyllis longicauda* USNM, W, W&B<sub>1</sub>
- Family Syllinae
- Ehlersia cornuta* (Rathke, 1843)  
*Syllis cornuta* L, P, USNM, W, W&B<sub>2</sub>  
*Syllis pallida* W&B<sub>1</sub>
- Syllis gracilis* Grube, 1840  
*Syllis gracilis* Lr<sub>2</sub>, Lr<sub>3</sub>
- Typosyllis pallida* (Verrill, 1875)  
*Typosyllis pallida* R
- Family Tomopteridae
- Tomopteris helgolandica* Greeff, 1879  
*Tomopteris helgolandica* P  
*Tomopteris smithii* V<sub>14</sub>
- Aciculata incertae sedis**
- Family Nerillidae
- Mesonerilla* Remane, 1949  
*Mesonerilla* R (several unidentified species)
- Family Spintheridae
- Spinther citrinus* (Stimpson, 1854)  
*Spinther citrinus* Pe, USNM, V<sub>6</sub>, W, W&B<sub>1</sub>, W&B<sub>2</sub>
- Canalipalpata**
- Family Oweniidae
- Myriochele heeri* Malmgren, 1867  
*Myriochele heeri* W&B<sub>1</sub>
- Owenia fusiformis* Delle Chiaje, 1844  
*Owenia fusiformis* Lr<sub>3</sub>  
*Owenia assimilis* W&B<sub>1</sub>

## Family Sabellidae

## Subfamily Fabricinae

***Bispira crassicornis*** (Sars, 1851)

*Bispira crassicornis* L.,  
M, S, USNM, W&B<sub>2</sub>,  
Wi

*Sabella crassicornis* P, Pe

*Sabella spetsbergensis* W

[variant spelling *S.*  
*spitzbergensis* in W],  
W&B<sub>1</sub>, W&B<sub>2</sub>

***Fabricia stellaris*** (O.F.

Müller, 1774)

*Fabricia sabella* Lr, Mc, P

*Othonia fabricii* W&B<sub>1</sub>

## Subfamily Myxicolinae

***Myxicola infundibulum***

(Montagu, 1808)

*Myxicola infundibulum*

L, M, P, Pe, R, S [mis-  
spelled as *Myxicola*],  
T, Wi

***Myxicola steenstrupi***

Kröyer, 1856

*Myxicola steenstrupi* Pe,  
V<sub>6</sub>, W&B<sub>1</sub>

## Subfamily Sabellinae

***Potamilla neglecta*** (M.

Sars, 1851)

*Potamilla neglecta* Pe

***Potamilla reniformis*** (O. F.

Müller, 1771) [wrong  
author Malmgren in  
W&B<sub>1</sub>]

*Potamilla reniformis* L.,  
M, P, Pe, W&B<sub>1</sub>

## Family Serpulidae

## Subfamily Serpulinae

***Filigrana implexa***

Berkeley, 1828

*Filigrana implexa* L, P,  
R, W&B<sub>1</sub> [variant  
spelling *Filigrana* in  
W&B<sub>1</sub>], Wi

***Hydroides dianthus***

(Verrill, 1873)

*Hydroides dianthus* Lr<sub>3</sub>,  
P

***Spirorbis borealis*** Daudin,  
1800

*Spirorbis borealis* L, Lr<sub>3</sub>,  
O [misspelled as  
*Spirobis* in O], P, S, T,  
Wi

***Spirorbis spirillum***

(Linnaeus, 1758)

*Spirorbis spirillum* L.,  
Lr<sub>3</sub>, O [misspelled as  
*Spirobis* in O], P, T

***Spirorbis violaceus***

Levinsen, 1883

*Spirorbis violaceus* L

***Vermilia serrula*** Stimpson,

1854

*Vermilia serrula* W&B<sub>1</sub>

## Spionida

## Family Apistobanchidae

***Apistobanchus tullbergi***

(Théel, 1879)

*Apistobanchus tullbergi*  
W&B<sub>2</sub> [variant  
spelling *A. tullberg* in  
W&B<sub>2</sub>]

*Ethocles typicus* W&B<sub>1</sub>,  
W&B<sub>2</sub>

## Family Spionidae

***Dipolydora concharum***

Verrill, 1879

*Dipolydora concharum*  
W&B<sub>1</sub>

*Polydora concharum* W,  
USNM, W&B<sub>2</sub>  
[variant spelling *P.*  
*conchara* in W&B<sub>2</sub>]

***Dipolydora quadrilobata***

(Jacobi, 1883)

*Dipolydora quadrilobata*  
P

***Laonice cirrata*** (M. Sars,  
1851)

*Laonice cirrata* W&B<sub>2</sub>  
*Scolecoplepis cirrata*  
W&B<sub>1</sub>

*Spionides cirratus*

USNM, W&B<sub>1</sub>,  
W&B<sub>2</sub>

***Marenzelleria viridis***  
(Verrill, 1873)  
*Scolecoplepis viridis* P  
***Polydora ciliata*** (Johnston,  
1838)  
*Polydora ciliata* P  
***Polydora cornuta*** Bosc,  
1802  
*Polydora ligni* Lr, P,  
USNM, W, W&B<sub>2</sub>  
***Polydora gracilis*** Verrill,  
1880  
*Polydora gracilis* W&B<sub>1</sub>  
***Prionospio steenstrupi***  
Malmgren, 1867  
*Prionospio steenstrupi*  
USNM, W, W&B<sub>1</sub>,  
W&B<sub>2</sub>  
***Pygospio elegans***  
Claparède, 1863  
*Pygospio elegans* Lr, P,  
R, W&B<sub>2</sub>  
***Prionospio tenuis*** Verrill,  
1880  
*Prionospio tenuis* W&B<sub>2</sub>  
***Spio filicornis*** (O. F. Müller,  
1776)  
*Spio filicornis* Mc, W&B<sub>1</sub>  
***Spio rathbuni*** Webster and  
Benedict, 1884  
*Spio rathbuni* USNM, W,  
W&B<sub>1</sub>, W&B<sub>2</sub>  
***Spio setosa*** Verrill, 1873  
*Spio setosa* Lr, P, R,  
USNM, W, W&B<sub>2</sub>  
***Spiophanes bombyx***  
(Claparède, 1870)  
*Spiophanes bombyx* Mc  
***Spiophanes wigleyi***  
Pettibone, 1962  
*Spiophanes wigleyi* Mc  
***Streblospio benedicti***  
Webster, 1879  
*Streblospio benedicti* Mc,  
USNM, W, W&B<sub>1</sub>

**Terebellida**

Family Acrocirridae  
***Acrocirrus leidy*** Verrill,  
1882  
*Acrocirrus leidy* R  
***Macrochaeta sexoculata***  
(Webster and  
Benedict 1887)  
*Macrochaeta sexoculata*  
W&B<sub>2</sub>  
*Ledon sexoculata*  
USNM, W, W&B<sub>1</sub>,  
W&B<sub>2</sub>  
Family Ampharetidae  
Subfamily Melinninae  
***Melinna cristata*** (M. Sars,  
1851) [wrong author  
Malmgren cited in  
W&B<sub>1</sub>]  
*Melinna cristata* W&B<sub>1</sub>  
Subfamily Ampharetinae  
***Ampharete acutifrons***  
(Grube, 1860)  
*Ampharete acutifrons*  
USNM, W&B<sub>2</sub>  
***Ampharete cirrata*** Webster  
and Benedict, 1887  
*Ampharete cirrata*  
W&B<sub>1</sub>, W&B<sub>2</sub>  
***Ampharete trilobata***  
Webster and  
Benedict, 1887  
*Ampharete trilobata*  
USNM, W&B<sub>1</sub>  
***Pista maculata*** (Dalyell,  
1853)  
*Scione lobata* W&B<sub>1</sub>  
***Sabellides octocirrata*** (M.  
Sars, 1835)  
*Sabellides octocirrata*  
W&B<sub>1</sub>  
Family Cirratulidae  
***Chaetozone setosa***  
Malmgren, 1867  
*Chaetozone setosa*  
W&B<sub>1</sub>  
***Cirratulus cirratus*** (O.F.  
Müller, 1776) [wrong  
author Malmgren  
cited in W&B<sub>1</sub>]  
*Cirratulus cirratus*  
W&B<sub>1</sub>

- Dodecaceria concharum**  
Oersted, 1843  
*Dodecaceria concharum*  
W&B<sub>1</sub>  
*Dodecaceria coralii* Pe
- Tharyx acutus** Webster and Benedict, 1887  
*Tharyx acutus* L, P, W,  
W&B<sub>1</sub>, W&B<sub>2</sub>
- Tharyx similis** Webster and Benedict, 1887  
*Tharyx similis* W&B<sub>1</sub>
- Family Flabelligeridae
- Brada granosa** Stimpson, 1854  
*Brada granosa* L, Lr<sub>3</sub>, P,  
R, T, W&B<sub>1</sub>
- Brada setosa** Verrill, 1873  
*Brada setosa* P
- Brada sublaevis** Stimpson, 1854  
*Brada sublaevis* W&B<sub>1</sub>
- Brada villosa** (Rathke, 1843)  
*Brada villosa* Lr<sub>3</sub>
- Flabelligera affinis** M. Sars, 1829  
*Flabelligera affinis* Lr<sub>3</sub>,  
Pe, R, T, W&B<sub>1</sub>
- Flabelligera grubei**  
(Webster and Benedict, 1887)  
*Siphonostomum grubei*  
USNM, W, W&B<sub>1</sub>,  
W&B<sub>2</sub>
- Pherusa affinis** (Leidy, 1855)  
*Pherusa affinis* P, R
- Pherusa aspera** (Stimpson, 1854)  
*Trophonia aspera* V<sub>6</sub>,  
W&B<sub>1</sub>
- Pherusa plumosa** (O.F. Müller, 1771)  
*Trophonia plumosa*  
W&B<sub>1</sub>
- Zorus sarsi** Webster and Benedict, 1887  
*Zorus sarsi* USNM, W,  
W&B<sub>1</sub>, W&B<sub>2</sub>
- Family Pectinariidae
- Pectinaria gouldii** (Verrill, 1873)  
*Pectinaria gouldii* Lr<sub>3</sub>, P,  
S  
*Cistenides gouldi* R
- Pectinaria granulata**  
(Linnaeus, 1767)  
*Pectinaria granulata* P,  
L, T  
*Cistenides granulata*  
W&B<sub>1</sub>
- Family Sternapsidae
- Sternaspis fossor** Stimpson, 1854  
*Sternaspis fossor* Fl, Pe,  
W&B<sub>1</sub>
- Sternapsis scutata** (Renier, 1807)  
*Sternapsis scutata* Lr<sub>3</sub>
- Family Terebellidae
- Subfamily Artacaminae
- Artacama proboscidea**  
Malmgren, 1866  
*Artacama proboscidea*  
W&B<sub>1</sub>
- Subfamily Amphitritinae
- Amphitrite brunnea** Verrill, 1879  
*Amphitrite brunnea* Pe,  
V<sub>6</sub>, W&B<sub>1</sub>
- Terebella brunnea* P
- Amphitrite cirrata** O.F. Müller, 1771  
*Amphitrite cirrata* L, P,  
Pe, S, T, USNM,  
W&B<sub>1</sub>
- Amphitrite johnstoni**  
Malmgren, 1866  
*Amphitrite johnstoni* M,  
O, P, L, Lr, R, S [mis-  
spelled as A.  
johnsoni in S], T, Wi
- Amphitrite ornata** (Leidy, 1855)  
*Amphitrite ornata* O, P,  
S, Wi [misspelled as  
A. ornate in Wi]
- Neoamphitrite affinis**  
(Malmgren, 1866)  
*Neoamphitrite affinis* L,  
P, R

***Nicolea zostericola***

(Oersted in Grube,  
1860) [wrong author  
Malmgren in W&B<sub>1</sub>]

*Nicolea zostericola*  
W&B<sub>1</sub>

Subfamily Polycirrinae

***Polycirrus eximius*** (Leidy,  
1855)

*Polycirrus eximius* M  
[misspelled as P.  
eximus in M], P, R

***Polycirrus medusa*** Grube,  
1850

Ereutho smitti W&B<sub>1</sub>

***Polycirrus ? phoshoreus***

Verrill, 1880

*Polycirrus ? phoshoreus*  
W&B<sub>1</sub>

Subfamily Thelepininae

***Thelepus cincinnatus*** (O.  
Fabricius, 1780)

[wrong author  
Malmgren in W&B<sub>1</sub>]

*Thelepus cincinnatus* L, P,  
Pe, W&B<sub>1</sub>, Wi [mis-  
spelled as T.  
cinnatus in Wi]

*Thelphusa circinnata* V<sub>6</sub>

Family Trichobranchidae

***Terebellides stroemii*** M.

Sars, 1835

*Terebellides stroemi*  
W&B<sub>1</sub>

*Trichobranchus glacialis*  
W&B<sub>1</sub>

***Canalipalpata incertae sedis***

Family Polygordiidae

***Protodriloides chaetifer***

Remane, 1926

*Protodriloides chaetifer*  
R

***Polychaeta incertae sedis***

Family Psammodrilidae

***Psammodrilus***

*balanoglossoides*  
Swedmark, 1952

*Psammodrilus*

*balanoglossoides* R

**Class Clitellata****Subclass Oligochaeta**

Family Tubificidae

Subfamily Tubificinae

***Clitellio arenareus*** (O.F.  
Müller, 1776)

*Clitellio arenareus* R

***Tubificoides benedii***

(d'Udekem 1885)

*Tubificoides benedii* R

Family Enchytraeidae

***Enchytraeus albidus*** Henle,  
1837

*Enchytraeus albidus* R

***Marionina spicula***

(Leuckart, 1887)

*Marionina spicula* R

<sup>1</sup>Podarke aberrans, pro parte "juvenile form"; *Microphthalmus aberrans*, pro parte (see Riser 2000).

**Key to the Abbreviations for Annelida**

|                  |                                      |
|------------------|--------------------------------------|
| L                | Langer 1973                          |
| Lr               | Larsen et al. 1979                   |
| Lr <sub>2</sub>  | Larsen and Doggett 1975              |
| Lr <sub>3</sub>  | Larsen 1975                          |
| M                | Mienkoth 1975                        |
| Mc               | McCullough 1981                      |
| O                | O'Brien 1972                         |
| P                | Perkins and Larsen 1975              |
| Pe               | Peabody Museum                       |
| Pt               | Pettibone 1963                       |
| R                | Riser 1970                           |
| S                | Spencer 1973                         |
| T                | Trott 2004b                          |
| USNM             | United States National<br>Museum     |
| V <sub>6</sub>   | Verrill 1871b                        |
| V <sub>14</sub>  | Verrill 1880a                        |
| W                | Webster NMNH Records                 |
| W&B <sub>1</sub> | Webster and Benedict<br>1887         |
| W&B <sub>2</sub> | Webster and Benedict<br>NMNH Records |
| Wi               | Weiss 1980                           |



**PHYLUM ARTHROPODA**

- Subphylum Crustacea**  
**Class Malacostraca**  
**Subclass Eumalacostraca**  
 Superorder Eucarida  
 Order Euphausiacea  
 Family Euphausiidae  
*Meganyctiphanes*  
*norvegica* (M. Sars,  
 1857)  
*Meganyctiphanes*  
*norvegica* M, T,  
 USNM  
*Thysanoessa inermis*  
 (Kröyer, 1846)  
*Thysanoessa inermis* Pe,  
 USNM  
 Order Decapoda  
 Suborder Pleocyemata  
 Infraorder Caridea  
 Superfamily Palaemonoidea  
 Family Palaemonidae  
*Palaemonetes pugio*  
 Holthuis, 1949  
*Palaemonetes pugio* P, T  
*Palaemonetes vulgaris*  
 (Say, 1818)  
*Palaemonetes vulgaris*  
 O, P  
 Family Hippolytidae  
*Caridion gordonii* (Bate,  
 1888)  
*Caridion gordonii* V<sub>9</sub>  
*Eualus fabricii* (Kröyer,  
 1841)  
*Eualus fabricii* P  
 Hippolyte fabricii Pe, Sm  
 Spirontocaris fabricii Ra  
*Eualus gaimardi* (H.  
 Milne-Edwards,  
 1837)  
 Spirontocaris gaimardi  
 Ra  
*Eualus pusiolus* (Kröyer,  
 1841)  
*Eualus pusiolus* Lr<sub>2</sub>  
 Hippolyte pusiola Sm

- Lebbeus groenlandicus* (J.  
 C. Fabricius, 1775)  
*Lebbeus groenlandicus*  
 L, Lr<sub>3</sub>, P  
 Hippolyte groenlandica  
 Pe, Sm  
 Spirontocaris  
 groenlandica Ra  
 Spirontocaris  
 groenlandicus L, O,  
 Wi  
*Lebbeus polaris* (Sabine,  
 1824)  
*Lebbeus polaris* L, P  
 Hippolyte polaris Sm  
 Spirontocaris polaris L  
*Spirontocaris phippisii*  
 (Kröyer, 1841)  
*Spirontocaris phippisii*  
 Lr<sub>2</sub>, Lr<sub>3</sub>, Ra  
 Hippolyte phippisii Sm  
*Spirontocaris spinus*  
 (Sowerby, 1805)  
 Hippolyte spinus Sm  
 Superfamily Pandaloidea  
 Family Pandalidae  
*Dichelopandalus*  
*leptocerus* (Smith,  
 1881)  
 Pandalus annulicornis V<sub>6</sub>  
*Pandalus montagui* Leach,  
 1814  
*Pandalus montagui* L,  
 Lr<sub>2</sub>, Lr<sub>3</sub>, P  
 Pandalus annulicornis V<sub>6</sub>  
 Superfamily Crangonoidea  
 Family Crangonidae  
*Crangon septemspinosa*  
 Say, 1818  
*Crangon septemspinosa*  
 L, Mc, P, R  
 Crangon vulgaris V<sub>6</sub>  
*Sclerocrangon boreas*  
 (Phipps, 1774)  
*Sclerocrangon boreas* L,  
 P [variant spelling S.  
 boreal in P], Pe  
 Crangon boreas V<sub>6</sub>

## Infraorder Astacidea

## Superfamily Nephropoidea

## Family Nephropsidae

***Homarus americanus*** H.

Milne Edwards, 1837

*Homarus americanus* L,

P, R

## Infraorder Anomura

## Superfamily Paguroidea

## Family Paguridae

***Pagurus acadianus***

Benedict, 1901

*Pagurus acadianus* L, P,

R, S, T

***Pagurus arcuatus*** Squires,

1964

*Pagurus arcuatus* L, M***Pagurus longicarpus*** Say,

1817

*Pagurus longicarpus* P,

R

***Pagurus pubescens*** Kröyer,

1838

*Pagurus pubescens* Lr<sub>2</sub>,Lr<sub>3</sub>, P, S

## Infraorder Brachyura

## Section Oxyrhyncha

## Superfamily Majoidea

## Family Majidae

***Hyas araneus*** (Linnaeus,

1758)

*Hyas araneus* P, R, T***Hyas coarctatus*** Leach,

1815

*Hyas coarctatus* Fl, L, P,

Wi

***Libinia dubia*** H. Milne

Edwards, 1834

*Libinia dubia* P***Libinia emarginata*** Leach,

1815

*Libinia emarginata* P, R

## Section Cancridea

## Superfamily Cancroidea

## Family Cancridae

***Cancer borealis*** Stimpson,

1859

*Cancer borealis* L, P, R,

T

***Cancer irroratus*** Say, 1817*Cancer irroratus* L, Mc,P, R, T, V<sub>6</sub>, Wi

## Section Brachyrhyncha

## Superfamily Portunoidea

## Family Portunidae

***Carcinus maenas***

(Linnaeus, 1758)

*Carcinus maenas* L, P, R,

T, Wi

## Superorder Peracarida

## Order Mysidacea

## Family Mysididae

***Mysis gaspensis*** Tattersall,

1954

*Mysis gaspensis* Bo, Lr, P***Mysis mixta*** Lilljeborg,

1852

*Mysis mixta* P, Pe, T,

USNM

***Mysis stenolepis*** Smith,

1873

*Mysis stenolepis* Lr, P***Praunus flexuosus*** (O.F.

Müller, 1776)

*Praunus flexuosus* P

## Order Cumacea

## Family Bodotriidae

***Mancocuma stellifera***

Zimmer, 1943

*Mancocuma stellifera* P

## Family Leuconidae

***Leucon nasicoides***

(Lilljeborg, 1855)

*Leucon nasicoides* Ra,

Sm

## Family Diastylidae

***Diastylis lucifera*** (Kröyer,

1841)

*Diastylis lucifera* Sm***Diastylis quadrispinosa***

G.O. Sars, 1871

*Diastylis quadrispinosa*

Pe, T

***Diastylis sculpta*** G.O. Sars,

1871

*Diastylis sculpta* Sm

[variant spelling D.

sculptus in Sm]

## Order Isopoda

## Suborder Anthuridea

## Family Anthuridae

***Calathura brachiata***

(Stimpson, 1853)

*Calathura brachiata* Pe,  
Rc

Parathura brachiata Pe

***Cyathura polita*** (Stimpson,  
1856)*Cyathura polita* Lr<sub>3</sub>, Pe***Ptilanthura tenuis*** (Harger,  
1878)*Ptilanthura tenuis* Lr<sub>2</sub>

## Suborder Asellota

## Family Janiridae

***Jaera albifrons*** Leach, 1814  
*sensu lato*<sup>1</sup>*Jaera albifrons* USNM*Jaera copiosa* Pe*Jaera marina* L, P, R, T***Janira alta*** (Stimpson,  
1853)*Janira alta* H<sub>2</sub>, Pe, Rc

## Family Munnopsidae

***Munnopsis typica*** M. Sars,  
1860*Munnopsis typica* H<sub>2</sub>

## Family Munnidae

***Munna fabricii*** Kröyer,  
1846*Munna fabricii* H, Ra

## Suborder Epicaridea

## Family Bopyridae

***Bopyroides hippolytes***

(Kröyer, 1838)

*Bopyroides hippolytes*  
Rc, USNM

## Suborder Flabellifera

## Family Limnoriidae

***Limnoria lignorum***

(Rathke, 1799)

*Limnoria lignorum* L

## Family Cirolanidae

***Politolana concharum***

(Stimpson, 1853)

*Cirolana concharum* P***Politolana polita***

(Stimpson, 1853)

*Cirolana polita* H, Ra

## Suborder Gnathiidea

## Family Gnathiidae

***Caecognathia elongata***

(Kröyer, 1849)

*Gnathia cerina* Pe,  
USNM, Rc

## Suborder Oniscidea

## Family Philosciidae

***Philoscia vittata*** (Say,  
1818)*Philoscia vittata* Lr

## Suborder Valvifera

## Family Idoteidae

***Chiridotea caeca*** (Say,  
1818)*Chiridotea caeca* Lr, Mc,  
P, R, S [mis-spelled as  
C. caeca in S]***Chiridotea tuftsii***

(Stimpson, 1853)

*Chiridotea tuftsii* H<sub>2</sub>, Lr,  
Lr<sub>2</sub>, Lr<sub>3</sub>, R, Ra, Rc***Edotia triloba*** (Say, 1818)*Edotia triloba* Lr<sub>2</sub>, Lr<sub>3</sub>, P,  
Pe, R*Edotea montosa* Pe, Rc,  
USNM*Epelys montosus* H<sub>2</sub>, Pe***Idotea balthica*** (Pallas,  
1772)*Idotea balthica* L, O, P, R***Idotea metallica*** Bosc, 1802*Idotea metallica* R***Idotea phosphorea*** Harger,  
1873*Idotea phosphorea* L, O,  
P, Pe, R, T

## Order Amphipoda

## Suborder Hyperiidea

## Family Hyperiidae

***Hyperia galba*** Montagu,  
1813*Hyperia galba* Ho, Pe, Ra***Hyperia medusarum*** (O.F.  
Müller, 1776)*Hyperia medusarum*  
medusarum Pe***Themisto compressa*** Goëss,  
1866*Parathemisto compressa*  
P

## Suborder Gammaridea

## Family Acanthonotozomatidae

***Acanthonotozoma***

***serratum*** (O.  
Fabricius, 1780)

*Acanthonotozoma*  
*serratum* Pe

## Family Ampeliscidae

***Ampelisca macrocephala***

Lilljeborg, 1852

*Ampelisca*  
*macrocephala* Lr<sub>2</sub>,  
Lr<sub>3</sub>, Mc, Pe

***Ampelisca vadorum*** Mills,  
1963

*Ampelisca vadorum* Lr<sub>2</sub>,  
Lr<sub>3</sub>

***Byblis gaimardi*** (Krøyer,  
1846)

*Byblis gaimardi* Ho

***Byblis serrata*** Smith, 1873

*Byblis serratus* Pe

***Haploops setosa*** Boeck,  
1870

*Haploops setosa* Pe

***Haploops tubicola***

Lilljeborg, 1855

*Haploops tubicola* Pe  
*Haploops spinosa* Lr<sub>3</sub>

## Family Ampithoidae

***Ampithoe rubricata***

(Montagu, 1808)

*Ampithoe rubricata* Lr,  
M, P, Pe, R

## Family Aoridae

***Leptocheirus pinguis***

(Stimpson, 1853)

*Leptocheirus pinguis* L,  
Lr<sub>3</sub>, P, Pe

***Unciola inermis*** Shoe-  
maker, 1945

*Unciola inermis* Pe

***Unciola irrorata*** Say, 1818

*Unciola irrorata* Lr<sub>2</sub>, Lr<sub>3</sub>,  
Pe, R

## Family Calliopidae

***Calliopius laeviusculus***

(Krøyer, 1838)

*Calliopius laeviusculus*  
P, Pe

## Family Corophiidae

***Corophium volutator***

(Pallas, 1766)

*Corophium volutator* G<sub>2</sub>,  
L, Mc, P

***Crassicorophium bonnellii***

(Milne-Edwards,  
1830)

*Corophium bonnellii* Lr<sub>2</sub>,  
Lr<sub>3</sub>

***Crassicorophium******crassicorne***

(Bruzelius, 1859)

*Crassicorophium*  
*crassicorne* Lr<sub>3</sub>

*Corophium crassicorne*  
R

***Monocorophium******insidiosum***

(Crawford, 1939)

*Corophium insidiosum* R

## Family Dexamine

***Dexamine thea*** Boeck,  
1861

*Dexamine thea* Lr<sub>2</sub>, Lr<sub>3</sub>

## Family Epimeriidae

***Epimeria loricata*** G. O.

Sars, 1879

*Epimeria loricata* Ho

***Paramphithoe hystrix*** (J. C.

Ross, 1835)

*Paramphithoe hystrix* Pe  
*Acanthozone cuspidata*

Ho

## Family Eusiridae

***Eusirus cuspidatus*** Krøyer,  
1845

1845

*Eusirus cuspidatus* Pe

***Pontogeneia inermis***

(Krøyer, 1838)

*Pontogeneia inermis* Pe

## Family Gammarellidae

***Gammarellus angulosus***

(Rathke, 1843)

*Gammarellus angulosus*  
Pe, R

## Family Gammaridae

*Eulimnogammarus**obtusatus* (Dahl,  
1938)Marinogammarus  
*obtusatus* Lr*Gammarus annulatus*

Smith, 1873

*Gammarus annulatus* Ra*Gammarus lawrencianus*

Bousfield, 1956

*Gammarus lawrencianus*

Lr, Pe

*Gammarus oceanicus*

Seegerstrale, 1947

*Gammarus oceanicus* Lr,

Mc, O, P, Pe, R, S

*Gammarus setosus*

Dementieva, 1931

*Gammarus setosus* Pe*Marinogammarus**finmarchicus* (Dahl,  
1938)*Marinogammarus*  
*finmarchicus* Lr

## Family Hyalidae

*Hyale prevostii* (Milne-

Edwards, 1830)

*Hyale nilssoni* Pe

## Family Isaeidae

*Gammaropsis melanops* G.

O. Sars, 1882

*Eurystheus melanops* Pe*Gammaropsis maculata*  
Pe*Gammaropsis nitida*

(Stimpson, 1853)

*Podoceropsis nitida* H,  
Pe, Ra*Photis reinhardi* Kröyer,

1842

*Photis reinhardi* Pe

## Family Ischyroceridae

*Erichthonius difformis*

Milne-Edwards, 1830

*Erichthonius difformis*

Pe

*Erichthonius rubricornis*

(Stimpson, 1853)

*Erichthonius rubricornis*Lr<sub>3</sub>*Ischyrocerus anguipes*

Kröyer, 1838

*Ischyrocerus anguipes*Lr<sub>2</sub>, Lr<sub>3</sub>, Pe*Ischyrocerus megacheir*

(Boeck, 1870)

*Ischyrocerus megacheir*

Pe

*Jassa marmorata* Holmes,

1903

*Jassa falcata* R

## Family Lysianassidae

*Hippomedon serratus*

Holmes, 1903

*Hippomedon serratus*Lr<sub>2</sub>, Lr<sub>3</sub>*Orchomene macroserrata*

Shoemaker, 1930

*Orchomene**macroserrata* Pe*Orchomenella minuta*

(Kröyer, 1846)

*Orchomenella minuta*Lr<sub>2</sub>, Lr<sub>3</sub>, Pe*Orchomenella pinguis*

(Boeck, 1861)

*Orchomenella pinguis*Lr<sub>2</sub>, Lr<sub>3</sub>

## Family Melitidae

*Maera danae* (Stimpson,  
1853)*Maera danae* Ho, Pe, Ra*Megamoera dentata*

(Kröyer, 1842)

*Melita dentata* Lr<sub>2</sub>, Lr<sub>3</sub>

## Family Melphidippidae

*Casco bigelowi* (Blake,  
1929)*Casco bigelowi* Lr<sub>2</sub>, Lr<sub>3</sub>,  
Pe*Melphidippa goesi*

Stebbing, 1899

*Melphidippa spinosa* Ho,  
Ra

## Family Oedicerotidae

***Deflexilodes intermedius***

(Shoemaker, 1930)

Monoculodes interme-  
dius Lr<sub>2</sub>, Lr<sub>3</sub>***Paroediceros lynceus*** (M.

Sars, 1858)

*Paroediceros lynceus* Ho

## Family Phoxocephalidae

***Harpinia plumosa*** (Kröyer,  
1842)*Harpinia plumosa* Pe***Harpinia propinqua*** G. O.

Sars, 1891

*Harpinia propinqua* Lr<sub>2</sub>,  
Lr<sub>3</sub>, Pe***Phoxocephalus holbolli***

(Kröyer, 1842)

*Phoxocephalus holbolli*  
Lr<sub>2</sub>, Lr<sub>3</sub>

## Family Pleustidae

***Pleustes panoplus*** (Kröyer,  
1838)*Pleustes panoplus* Ho,  
Pe, Ra***Pleusymtes glaber*** (Boeck,  
1861)

Sympleustes glaber Ra

***Stenopleustes inermis***

Shoemaker, 1949

*Stenopleustes inermis*  
Lr<sub>2</sub>, Lr<sub>3</sub>

## Family Podoceridae

***Dyopedas porrecta*** Bate,  
1857*Dulichia porrecta* Ho, Ra

## Family Pontoporeiidae

***Amphiporeia lawrenciana***

Shoemaker, 1929

*Amphiporeia*  
*lawrenciana* Pe

## Family Stegocephalidae

***Stegocephalus inflatus***

Kröyer, 1842

*Stegocephalus inflatus*  
Ho, Ra

## Family Stenothoidae

***Metopa alderi*** (Bate, 1857)*Metopa alderi* Pe***Metopa glacialis*** (Kröyer,  
1842)*Metopa glacialis* Pe***Metopa groenlandica***

(Hansen, 1887)

*Metopa groenlandica*  
Ho, Ra***Metopa solsbergi***

Schneider, 1884

*Metopa solsbergi* Pe***Proboloides holmesi***

Bousfield, 1973

*Proboloides holmesi* Pe

## Family Synopiidae

***Syrrhoe crenulata*** Goës,

1866

*Syrrhoe crenulata* Ra

## Family Talitridae

***Orchestia gammarella***

(Pallas, 1766)

*Orchestia gammarella*  
Pe***Platorchestia platensis***

(Kröyer, 1845)

*Orchestia platensis* Lr

## Family Uristidae

***Anonyx lilljeborgi*** (Boeck,

1870)

*Anonyx lilljeborgi* Lr<sub>2</sub>,  
Lr<sub>3</sub>***Gronella groenlandica***

(Hansen, 1887)

*Orchomenella*  
*groenlandica* Pe

## Suborder Caprellidea

## Family Caprellidae

***Aeginina longicornis***

(Kröyer, 1842)

*Aeginina longicornis* Lr<sub>3</sub>*Aeginella longicornis*

Ho, P, Pe

*Aegina longicornis**spinifera* Ra*Aegina longicornis**spinosissima* Ra

**Caprella linearis**

(Linnaeus, 1767)

*Caprella linearis* Ho,  
Lr<sub>2</sub>, Lr<sub>3</sub>, Pe, R, Ra**Caprella penantis** Leach,  
1814*Caprella penantis* P  
*Caprella acutifrons* R  
*Caprella geometrica* O**Caprella septentrionalis**  
Kröyer, 1838*Caprella septentrionalis*  
Ho, L, P, Pe, Ra*Caprella septentrionalis*  
longicornis Ra*Caprella septentrionalis*  
stimpsoni Ra*Caprella stimpsoni* H**Caprella unica** Mayer, 1903  
*Caprella grahami* O**Class Maxillopoda****Subclass Cirripedia**

Superorder Thoracica

Order Pedunculata

Suborder Lepadomorpha

Family Lepadidae

**Lepas anatifera** Linnaeus,  
1758*Lepas anatifera* L, P**Dosima fascicularis** (Ellis  
and Solander, 1786)*Dosima fascicularis* Pe

Order Sessilia

Suborder Balanomorpha

Superfamily Balanoidea

Family Archaeobalanidae

Subfamily Semibalaninae

**Semibalanus balanoides**  
(Linnaeus, 1767)*Semibalanus balanoides*  
R, T*Balanus balanoides* L,Lr<sub>2</sub>, O, P, R, S,

USNM, Wi

Family Balanidae

Subfamily Balaninae

**Balanus balanus**

(Linnaeus, 1758)

*Balanus balanus* L, M, O,  
P, Pe, S, T, USNM*Balanus porcatus* Ra,  
USNM**Balanus crenatus**

Bruguère, 1789

*Balanus crenatus* Pe,  
USNM, Wi

Superorder Rhizocephala

Order Kentrogonida

Family Peltogastridae

**Peltogaster paguri** Rathke,  
1842*Peltogaster paguri* Pa**Subphylum Pycnogonida****Class Pantopoda**

Family Nymphonidae

**Nymphon grossipes** (O.  
Fabricius, 1780)*Nymphon grossipes* W,  
W<sub>2</sub>**Nymphon hirtipes** Bell,  
1855*Nymphon hirtipes* Lr<sub>2</sub>,  
Lr<sub>3</sub>**Nymphon longitarse**  
Kröyer, 1844*Nymphon longitarse* R**Nymphon stroemi** Kröyer,  
1844*Nymphon stroemi* W, W<sub>2</sub>

Family Ammotheidae

**Achelia spinosa** (Stimpson,  
1853)*Achelia spinosa* He, Pe,  
Lr<sub>3</sub>, W, W<sub>2</sub>

Family Tanystylidae

**Tanystylum orbiculare**

Wilson, 1878

*Tanystylum orbiculare*

W



- Family Phoxichilidiidae  
*Anoplodactylus lentus*  
 Wilson, 1878  
*Anoplodactylus lentus*  
 He, M, P, W, W<sub>2</sub>  
*Phoxichilidium femoratum*  
 (Rathke, 1799)  
*Phoxichilidium femoratum* L, P, R, S,  
 T, USNM  
 Phoxichilidium  
 maxillare W<sub>2</sub>
- Family Pycnogonidae  
*Pycnogonum littorale*  
 (Ström, 1762)  
*Pycnogonum littorale*  
 He, L, Lr<sub>3</sub>, M, P, S, T,  
 USNM, W<sub>2</sub>, Wi
- Family Pallenidae  
*Pseudopallene circularis*  
 (Goodsir, 1842)  
*Pseudopallene circularis*  
 He  
*Pseudopallene discoidea*  
 (Kröyer, 1844)  
*Pseudopallene discoidea*  
 W, W<sub>2</sub>  
*Pseudopallene hispida*  
 (Stimpson, 1853)  
*Pseudopallene hispida*  
 W, W<sub>2</sub>
- UNCERTAIN RECORDS**
- Order Amphipoda  
 Suborder Gammaridea  
 Family Lysianassidae  
<sup>2</sup>*Psammonyx nobilis*  
 (Stimpson, 1853)  
*Psammonyx nobilis* Lr,  
 Pe  
 Family Uristidae  
<sup>3</sup>*Anonyx sarsi* Steele and  
 Brunel, 1968  
*Anonyx sarsi* P
- prae-hirsuta* Forsman, 1949 (Perkins and  
 Larsen 1975).  
<sup>2</sup>Either *P. nobilis* (Stimpson, 1853) or *P.*  
*terranovae* Steele, 1979 (P. Brunel,  
 Université de Montréal, pers. comm.).  
<sup>3</sup>Recorded by Perkins and Larsen (1975)  
 as *Anonyx nugnax*. The specimens need  
 to be re-examined for confirmation of  
 this identification (P. Brunel, Université  
 de Montréal, pers. comm.).
- 
- Key to the Abbreviations for Arthropoda
- |                 |                                  |
|-----------------|----------------------------------|
| Bo              | Bousfield 1972                   |
| G <sub>2</sub>  | Gilbert 1977b                    |
| H               | Harger 1880a                     |
| H <sub>2</sub>  | Harger 1880b                     |
| He              | Hedgpeth 1948                    |
| Ho              | Holmes 1905                      |
| L               | Langer 1973                      |
| Lr              | Larsen et al. 1979               |
| Lr <sub>2</sub> | Larsen and Doggett 1975          |
| Lr <sub>3</sub> | Larsen 1975                      |
| M               | Meinkoth 1975                    |
| Mc              | McCullough 1981                  |
| O               | O'Brien 1972                     |
| P               | Perkins and Larsen 1975          |
| Pa              | Packard 1867                     |
| Pe              | Peabody Museum                   |
| R               | Riser 1970                       |
| Ra              | Rathbun 1905                     |
| Rc              | Richardson 1905                  |
| S               | Spencer 1973                     |
| Sm              | Smith 1879                       |
| T               | Trott 2004b                      |
| USNM            | United States National<br>Museum |
| V <sub>6</sub>  | Verrill 1871b                    |
| V <sub>9</sub>  | Verrill 1873                     |
| W               | Wilson 1878                      |
| W <sub>2</sub>  | Wilson 1880                      |
| Wi              | Weiss 1980                       |

<sup>1</sup>Includes at least three sibling species in  
 Maine: *Jaera albifrons* Leach, 1814; *J.*  
*ischiosetosa* Forsman, 1949; and *J.*

## PHYLUM MOLLUSCA

## Class Polyplacophora

## Order Neoloricata

## Family Lepidopleuridae

*Lepidopleurus cancellatus*

(Sowerby, 1839)

*Lepidopleurus**cancellatus* Lr<sub>2</sub>

## Family Hanleyidae

*Hanleya dalli* Kaas, 1957*Lepidopleuridea carinata*J<sub>2</sub>*Hanleya mendicaria*

(Mighels and Adams, 1842)

*Hanleya mendicaria* J*Chiton mendicarius* Pe

## Family Ischnochitonidae

*Stenosemus albus*

(Linnaeus, 1767)

*Stenosemus albus* T*Chiton albus* Fl, V<sub>6</sub>*Ischnochiton albus* L, M,

O, P, Pe, R, S, Wi

[misspelled as *I. alba* in Wi]*Leptochiton albus* Pe*Trachydermon albus* J,

Pe

## Family Tonicellidae

*Tonicella marmorea* (O.

Fabricius, 1780)

*Tonicella marmorea* L,Lr<sub>2</sub>, M, O, P, Pe, S, R,

T, Wi

*Chiton laevigatus* Mg*Chiton marmoreus* Fl, V<sub>6</sub>*Tonicella marmorea**coerulea* J, J<sub>2</sub>*Tonicella rubra* (Linnaeus, 1767)*Tonicella rubra* L, Lr<sub>2</sub>,

Pe, T

*Chiton ruber* V<sub>6</sub>*Ischnochiton ruber* O, P,

S, R, Wi

*Trachydermon ruber* J,Pe, V<sub>15</sub>

## Class Gastropoda

## Order Patellogastropoda

## Family Lottiidae

*Tectura testudinalis* (O. F. Müller, 1776)*Tectura testudinalis* Fl,Lr<sub>3</sub>, Pe, T*Acmaea testudinalis* L,

O, P, Pe, R, S, Wi

*Patella amoena* Mg

## Family Lepitidae

*Lepeta caeca* (O. F. Müller, 1776)*Lepeta caeca* L, Lr<sub>2</sub>, Lr<sub>3</sub>,

Pe

## Order Archeogastropoda

## Family Fissurellidae

*Puncturella noachina*

(Linnaeus, 1771)

*Puncturella noachina* L,

P, R, Pe

*Diadora noachina* St*Cemoria noachina* Fl, Pe*Puncturella princeps* J

## Family Turbinidae

*Moelleria costulata*

(Möller, 1842)

*Moelleria costulata* J, L,

P

## Family Trochidae

*Margarites argentatus*

(Gould, 1841)

*Margarites argentatus*

Pe [variant spelling

*M. argentata* in Pe]*Margarites costalis costalis*

(Gould, 1841)

*Margarita cinerea* Fl, Fl<sub>2</sub>,

Pe

*Margarites cinerea* J*Margarites costalis* L,Lr<sub>2</sub>, Lr<sub>3</sub>, P, Pe, Wi*Margarites helycinus*

(Phipps, 1774)

*Margarites helycinus* G<sub>1</sub>,L, Lr<sub>2</sub>, P, Pe, R, T*Margarita campanulata*

Pe

*Margarita helicina* Fl,Fl<sub>2</sub>, Pe*Margarites helicina* J

- Margarites olivaceus***  
(Brown, 1827)  
*Margarites olivaceus* Pe  
Margarites olivacea J  
<sup>1</sup>***Margarites striatus*** Leach,  
1819  
Margarita undulata Fl,  
Fl<sub>2</sub>, V<sub>6</sub>  
Margarita groenlandica  
Pe  
Margarites groenlandica  
J, L, M, P, Pe [mis-  
spelled as M.  
groenlandicus in Pe],  
R, S [misspelled as  
M.groenlandiens in  
S], Wi [misspelled as  
M.groenlandicus in  
Wi]
- Solariella obscura***  
(Couthouy, 1838)  
*Solariella obscura* J, Wt  
Machaeroplax obscura  
var. bella V<sub>17</sub>  
Margarita obscura Pe  
Solariella obscura var.  
bella J, Wt
- Family Calliostomatidae  
***Calliostoma occidentale***  
(Mighels and Adams,  
1842)  
*Calliostoma occidentale*  
J, L, Lr<sub>2</sub>, M, P, Pe, T
- Order Neotaenioglossa  
Family Turritellidae  
***Tachyrhynchus erosus***  
(Couthouy, 1838)  
Turritella erosa J, Pe, T
- Family Littorinidae  
***Lacuna pallidula*** (da Costa,  
1778)  
*Lacuna pallidula* P, Pe  
Lacuna pallidula  
neritoidea J  
***Lacuna vincta*** (Montagu,  
1803)  
*Lacuna vincta* L, Lr, P,  
Pe, R, S, T, Wi
- Littorina littorea*** (Linnaeus,  
1758)  
*Littorina littorea* Fl, Fl<sub>2</sub>,  
L, Mc, O, P, Pe, R, S,  
T, USNM, Wi  
*Lacuna littoralis* Pe  
***Littorina obtusata***  
(Linnaeus, 1758)  
*Littorina obtusata* L, Lr,  
Mc, O, P, Pe, R, S  
[misspelled as L.  
obtusata in S], T,  
USNM, Wi  
*Littorina palliata* Pe  
***Littorina saxatilis*** (Oliv,  
1792)  
*Littorina saxatilis* L, Lr  
[mis-spelled as L.  
saxatilis in Lr], Mc, P  
[misspelled as L.  
saxatilis in P], Pe, S,  
R, T, USNM, Wi  
*Littorina rudis* Fl, Fl<sub>2</sub>, Pe
- Family Skeneopsidae  
***Skeneopsis planorbis*** (O.  
Fabricius, 1780)  
*Skeneopsis planorbis* J,  
L, Lr, Mc, P, Pe, T  
*Skenea planorbis* J, Pe
- Family Rissoidae  
***Alvania pseudoareolata***  
(Warén, 1974)  
*Alvania areolata* L, P  
*Alvania* (Cingula)  
areolata Lr<sub>2</sub>  
***Frigidoalvania pelagica***  
(Stimpson, 1851)  
*Cingula carinata* J  
***Onoba aculeus*** (Gould,  
1841)  
*Onoba aculeus* J, L, Lr,  
Lr<sub>2</sub>  
<sup>2</sup>***Onoba mighelsii***  
(Stimpson, 1851)  
*Onoba mighelsii* T  
*Alvania arenaria* L, P  
*Alvania* (Cingula)  
arenaria (exarata) Lr<sub>2</sub>  
*Alvania* (Cingula)  
castanea Lr<sub>2</sub>, Lr<sub>3</sub>  
*Cingula arenaria* J  
*Cingula castanea* J, V<sub>12</sub>,  
V<sub>17</sub>

## Family Hydrobiidae

***Hydrobia truncata***

(Vanatta, 1924)

Hydrobia totteni L, P, Pe

Hydrobia (Paludestrina)

totteni (minuta) Lr<sub>2</sub>

Littorinella minuta Pe

## Family Aporrhaididae

***Aporrhais occidentalis***

(Beck, 1836)

*Aporrhais occidentalis*L, P, Pe, V<sub>6</sub>

Aporrhais (Arrhoges)

occidentalis J

## Family Calyptraeidae

***Crepidula fornicata***

(Linnaeus, 1758)

*Crepidula fornicata* L,Lr<sub>3</sub>, R, T***Crepidula plana*** (Say,  
1822)*Crepidula plana* P***Crucibulum striatum*** (Say,  
1826)*Crucibulum striatum* Fl,

J, L, P, Pe, R, S

[misspelled as

Crucibilum in S]

## Family Capulidae

***Trichotropis borealis***

Broderip and

Sowerby, 1829

*Trichotropis borealis* J,

L, Pe

***Trichotropis conica*** Möller,  
1842*Trichotropis conica* L, P

## Family Velutinidae

***Limneria undata*** (T.

Brown, 1839)

Velutina undata J, L, P, S

Velutina zonata P

Limneria zonata Pe

***Velutina velutina*** (O.F.  
Müller, 1776)

Velutina haliotoides Fl,

Pe

Velutina laevigata J, L,

M, P, R, Wi

Velutina laevigata

(velutina) Pe

## Family Lamellariidae

***Marsenina ampla*** Verrill,  
1880*Marsenina ampla* J, J<sub>2</sub>,V<sub>16</sub>***Marsenina glabra***

(Couthouy, 1838)

*Marsenina glabra* J, P,V<sub>6</sub>, V<sub>17</sub>, Wt*Marsenina prodita* J, V<sub>6</sub>

## Family Naticidae

***Bulbus smithii*** (Brown,  
1839)*Bulbus smithii* Pe

Acrybia smithii J

***Cryptonatica affinis***

(Gmelin, 1791)

*Natica affinis* Pe*Natica clausa* L, P, Pe, St*Natica* (Cryptonatica)

clausa J

***Euspira heros*** (Say, 1822)*Lunatia heros* V<sub>6</sub>, Pe*Polinices heros* L, Lr,

Mc, P, S, V, Wi

***Euspira immaculata***

(Totten, 1835)

*Euspira immaculata* Lr<sub>3</sub>*Lunatia* (Polinices)immaculata Lr<sub>2</sub>, Pe*Mamma immaculata* Pe*Natica immaculata* St*Polinices* (Euspira)

immaculata J

***Euspira levicula*** (Verrill,  
1880)*Lunatia levicula* Pe, V<sub>6</sub>,V<sub>16</sub>, V<sub>17</sub>*Polinices* (Euspira)

levicula J

***Euspira nana*** (Möller,  
1842)*Lunatia nana* V<sub>6</sub>*Mamma nana* Pe*Polinices* (Euspira) nana

J

- Euspira pallida* (Broderip and Sowerby, 1829)  
Lunatia (Polinices)  
pallida (groenlandica)  
G<sub>4</sub>  
Lunatia groenlandica Pe
- Euspira triseriata* (Say, 1826)  
Lunatia triseriata Fl  
Lunatia (Polinices)  
triseriata G<sub>4</sub>, Lr<sub>2</sub>, Pe,  
V<sub>8</sub>  
Polinices triseriata L, M,  
P, Wi
- Neverita duplicata* (Say, 1822)  
Polinices duplicatus P  
Family Cerithiopsidae
- Eumetula arctica* (Mörch, 1857)  
Cerithiopsis costulata J,  
J<sub>2</sub>  
Family Epitoniidae
- Acirsa borealis* (Lyll, 1841)  
*Acirsa borealis* V<sub>8</sub>  
*Acirsa costulata* Pe  
*Acirsa eschrichtii* V<sub>6</sub>  
Epitonium (*Acirsa*)  
costulatum J<sub>2</sub>
- <sup>4</sup>*Couthouyella striatula*  
(Couthouy, 1838)  
*Couthouyella striatula* J
- Epitonium greenlandicum*  
(Perry, 1811)  
*Epitonium greenlandicum* L  
[misspelled as  
Epitoneum in L], P, T  
*Boreoscala greenlandica*  
R  
Epitonium (*Arctoscala*)  
greenlandicum J  
*Scalaria groenlandica* Fl,  
Pe, V<sub>6</sub>
- Family Aclididae  
*Aclis striata* Verrill, 1880  
*Aclis striata* J, V<sub>16</sub>, V<sub>17</sub>
- Order Neogastropoda  
Family Muricidae
- Boreotrophon clathratus*  
(Linnaeus, 1767)  
*Boreotrophon clathratus*  
L, P  
Trophon clathratus Fl, J
- Boreotrophon truncatus*  
(Ström, 1768)  
*Boreotrophon truncatus*  
Pe  
Boreotrophon (Trophon)  
truncatus Lr<sub>2</sub>  
Trophon truncatus J, Pe
- Nucella lapillus* (Linnaeus, 1758)  
*Nucella lapillus* L, Lr,  
Mc, P, Pe, R, T, Wi  
*Purpura lapillus* Fl, Fl<sub>2</sub>,  
Pe, V<sub>6</sub>  
Thais lapillus O, Pe
- Urosalpinx cinerea* (Say, 1822)  
*Urosalpinx cinerea* P
- Scabrotrophon fabricii*  
(Möller, 1842)  
Boreotrophon  
craticulatus Lr<sub>3</sub>
- Family Turbinellidae  
*Ptychatractus ligatus*  
(Mighels and Adams, 1842)  
*Ptychatractus ligatus* J,  
Pe, USNM  
*Fasciolaria ligata* Fl
- Family Buccinidae  
*Buccinum ciliatum* (O.  
Fabricius, 1780)  
*Buccinum ciliatum* Lr<sub>3</sub>  
*Buccinum polaris* Gray,  
1839  
Buccinum totteni Lr<sub>3</sub>
- Buccinum undatum*  
(Linnaeus, 1758)  
*Buccinum undatum* Bo,  
Fl, Fl<sub>2</sub>, J, L, M, P, Pe,  
R, S, St, T, USNM, V<sub>6</sub>,  
Wi  
*Buccinum undatum* Pe

- Colus islandicus*** (Mohr,  
1786)  
Fusus islandicus Fl, Fl<sub>2</sub>  
Neptunea islandica Pe  
Sipho islandicus V<sub>6</sub>  
Tritonium islandicum St
- Colus pubescens*** (Verrill,  
1882)  
*Colus pubescens* Lr<sub>3</sub>
- Colus pygmaeus*** (Gould,  
1841)  
*Colus pygmaeus* J, L, P,  
Pe, S  
Fusus pygmaeus Fl  
Neptunea pygmaea Pe  
Sipho pygmaeus V<sub>6</sub>  
Siphonella pygmaea Pe  
Tritonium pygmaeum St
- Colus stimpsoni*** (Mörch,  
1868)  
*Colus stimpsoni* L, M, P,  
Pe, R, S, Wi  
*Colus stimpsonii* J
- Neptunea lyrata***  
*decemcostata* (Say,  
1826)  
*Neptunea lyrata*  
*decemcostata* Lr<sub>3</sub>, T  
Chrysodomus  
decemcostatus V<sub>6</sub>  
Fusus decemcostatus Fl,  
Fl<sub>2</sub>  
Neptunea decemcostata  
J, L, M, P, Pe, S, R,  
V<sub>15</sub>, Wi  
Neptunea lyrata Pe
- Family Nassariidae  
***Nassarius trivittatus*** (Say,  
1822)  
Alectrion (Tritia)  
trivittata J  
Nassa trivittata Fl  
Tritia trivittata Pe
- Family Columbelloidea  
***Astyris lunata*** (Say, 1826)  
*Astyris lunata* Lr<sub>3</sub>  
Columbella dissimilis Pe  
Columbella (Astyris)  
dissimilis J
- Mitrella dissimilis L, Lr<sub>2</sub>,  
P  
Mitrella zonalis zonalis  
J<sub>2</sub>
- Astyris rosaceus*** (Gould,  
1840)  
Columbella rosacea Pe  
Columbella (Astyris)  
rosacea J  
Mitrella rosacea Pe
- Family Cancellariidae  
***Admete viridula*** (O.  
Fabricius, 1780)  
Admete couthouyi J, Pe
- Family Turridae  
***Curtitoma decussata***  
(Couthouy, 1839)  
Bela decussata J  
Bela tenuicostata V<sub>6</sub>  
Bela pleurotomaria var.  
tenuicostata V<sub>17</sub>  
Lora tenuicostata J<sub>2</sub>
- Curtitoma incisula*** (Verrill,  
1882)  
Bela incisula J, V<sub>17</sub>, Wt
- Curtitoma violacea***  
(Mighels and Adams,  
1842)  
Bela bicarinata J, V<sub>17</sub>  
Bela bicarinata var.  
violacea J, V<sub>17</sub>  
Oenopota bicarinata Pe
- Oenopota cancellata***  
(Mighels and Adams,  
1842)  
Bela cancellata J, V<sub>17</sub>, V<sub>18</sub>
- Oenopota pingelii*** (Möller,  
1842)  
*Oenopota pingelii* Lr<sub>2</sub>  
Bela pingelii J, V<sub>16</sub>, V<sub>17</sub>
- Oenopota pyramidalis***  
(Ström, 1788)  
Bela pleurotomaria J, Pe,  
V<sub>17</sub>, V<sub>18</sub>  
Lora pleurotomaria L, P
- Propebela exarata*** (Möller,  
1842)  
Bela exarata Pe

- Propebela harpularia***  
(Couthouy, 1838)  
*Propebela harpularia* St  
Bela harpularia J, V<sub>17</sub>,  
V<sub>18</sub>, Wt
- Propebela nobilis*** (Möller,  
1842)  
*Propebela nobilis* Lr<sub>2</sub>  
Bela nobilis J  
<sup>5</sup>Lora turricula L, P  
<sup>5</sup>Propebela turricula L, P
- Propebela scalaris*** (Möller,  
1842)  
Bela scalaris J, Pe, V<sub>17</sub>,  
Wt
- Order Heterostropha  
Family Malthildidae  
***Turritellopsis stimpsoni***  
Dall, 1919  
Turritellopsis acicula J
- Family Pyramidellidae  
***Eulimella polita*** (Verrill,  
1872)  
Aclis polita V<sub>7</sub>, V<sub>8</sub>  
Eulimella ventricosa V<sub>6</sub>  
Pyramidella (Eulimella)  
ventricosa J<sub>2</sub>  
Turbonilla  
(Ptycheulimella)  
polita J, J<sub>2</sub>
- Fargoa bartschi*** (Winkley,  
1909)  
Odostomia modesta J<sub>2</sub>
- Menestho albula*** (O.  
Fabricius, 1780)  
*Menestho albula* Pe
- Turbonilla nivea***  
(Stimpson, 1851)  
*Turbonilla nivea* Pe
- Order Cephalaspidea  
Family Cylichnidae  
***Cylichna alba*** (T. Brown,  
1827)  
*Cylichna alba* Go, J, Lr<sub>3</sub>,  
Pe, T
- Family Philinidae  
***Philine lima*** (T. Brown,  
1825)  
*Philine lima* Pe
- Family Retusidae  
***Retusa obtusa*** (Montagu,  
1803)  
*Retusa obtusa* Go
- Order Acochlidioidea  
Family Microhedylidae  
***Hedylopsis riseri*** M.P.  
Morse, 1976  
<sup>6</sup>*Hedylopsis riseri* R  
***Unela nahantensis*** Doe,  
1974  
*Unela nahantensis* R
- Order Gymnosomata  
Family Clionidae  
***Clione limacina*** (Phipps,  
1774)  
*Clione limacina* L, P
- Order Nudibranchia  
Suborder Doridacea  
Family Goniodorididae  
***Ancula gibbosa*** (Risso,  
1818)  
*Ancula gibbosa* P, Pe, T  
*Ancula cristata* K, L,  
USNM
- Family Onchidorididae  
***Acanthodoris pilosa***  
(Albildgaard, 1789)  
*Acanthodoris pilosa* J, K,  
L, M, P, Pe, R, S [mis-  
spelled as A. ilosa in  
S], T  
*Acanthodoris citrina* V<sub>4</sub>,  
V<sub>12</sub>  
*Acanthodoris ornata*  
USNM [misspelled as  
A. ornate in  
USNM], V<sub>8</sub>  
*Acanthodoris stellata* V<sub>12</sub>  
*Adalaria pilosa pilosa* J<sub>2</sub>  
*Doris bifida* V<sub>4</sub>, V<sub>7</sub>
- Adalaria proxima*** (Alder  
and Hancock, 1854)  
*Adalaria proxima* Go, J,  
J<sub>2</sub>, USNM, V<sub>8</sub>, V<sub>12</sub>
- Onchidoris bilamellata***  
(Linnaeus, 1776)  
*Onchidoris bilamellata*  
R, T  
*Onchidoris fusca* K, L, O  
[misspelled as  
Onchidorus in O], Wi  
[misspelled as  
Ochidoris in Wi]

- Onchidoris grisea*** (Gould, 1870)  
*Onchidoris grisea* J<sub>2</sub>, V<sub>4</sub>  
 Lamellidoris grisea J
- Onchidoris muricata*** (O.F. Müller, 1776)  
 Doris pallida Pe  
 Lamellidoris aspera O, J  
 Lamellidoris diaphana J, V<sub>8</sub>  
 Lamellidoris muricata J, V<sub>8</sub>  
 Onchidoris aspera J<sub>2</sub>, K, L, P, S [misspelled as *O. aspera* in J<sub>2</sub>, K, L, P, S], Wi  
 Onchidoris diaphana J<sub>2</sub>, V<sub>12</sub>  
 Onchidoris muricata J<sub>2</sub>, V<sub>12</sub>
- Onchidoris tenella*** (Gould, 1870)  
*Onchidoris tenella* J<sub>2</sub>, V<sub>4</sub>  
 Lamellidoris tenella J
- Family Polyceratidae  
***Palio dubius*** (M. Sars, 1829)  
 Polycera dubius K, P, R
- Family Chromodorididae  
***Cadlina laevis*** (Linnaeus, 1767)  
*Cadlina laevis* K, L, Pe, R, T, USNM, Wi  
 Doris repanda Pe, V<sub>12</sub>
- Suborder Dendronotacea  
 Family Dendronotidae  
***Dendronotus frondosus*** (Ascanius, 1774)  
*Dendronotus frondosus* K, L, O [misspelled as *D. frondosa* in O], Pe, S, R, T, Wi  
 Dendronotus arborescens Fl  
 Dendronotus reynoldsii Pe
- Dendronotus robustus*** Verrill, 1870  
*Dendronotus robustus* J, L, P, V<sub>7</sub>
- Family Dotonidae  
<sup>7</sup>***Doto coronata*** (Gmelin, 1791)  
*Doto coronata* K, L, P  
***Doto formosa*** Verrill, 1875  
*Doto formosa* Go, J, Pe, V<sub>8</sub>, Wt
- Family Flabellinidae  
***Flabellina gracilis*** (Alder and Hancock, 1844)  
 Coryphella stellata K  
 Eolis stellata Pe  
***Flabellina nobilis*** (Verrill, 1880)  
 Coryphella nobilis K, L, Lr<sub>2</sub>  
***Flabellina pellucida*** (Alder and Hancock, 1843)  
 Coryphella pellucida K, P  
 Coryphella rutila J, J<sub>2</sub>, V<sub>8</sub>, V<sub>12</sub>
- Flabellina salmonacea*** (Couthoy, 1838)  
*Flabellina salmonacea* L, S, R  
 Coryphella salmonacea K, P, V<sub>16</sub>  
 Coryphella stimpsoni L, S, USNM  
 Cuthona stimpsoni K, V<sub>12</sub>, Wt
- Flabellina verrucosa*** (M. Sars, 1829)  
*Flabellina verrucosa* R  
 Coryphella mananensis Wt  
 Coryphella rufibranchialis O, Wi  
 Coryphella rufibranchialis mananensis USNM  
 Coryphella verrucosa rufibranchialis K, L  
 Eolis mananensis Pe



## Suborder Aeolidacea

## Family Eubranchidae

***Eubranchus exiguus***(Alder and Hancock,  
1848)*Eubranchus exiguus* K, P  
[variant spelling E.  
exigua in P]***Eubranchus pallidus***(Alder and Hancock,  
1842)*Eubranchus pallidus* Go,  
K, L***Eubranchus sanjuanensis***

Roller, 1972

<sup>8</sup>*Eubranchus*  
*sanjuanensis* Go***Eubranchus tricolor***

Forbes, 1838

*Eubranchus tricolor* Go

## Family Tergipedidae

***Catriona gymnota***

(Couthoy, 1838)

*Catriona* (*Catriona*)  
*aurantia* K, L***Cuthona concinna*** (Alder  
and Hancock, 1843)*Cuthona concinna* K, L,  
O, Wi [misspelled as  
*Cuthonia* in Wi]***Cuthona viridis*** (Forbes,  
1840)*Cratena viridis* K, L***Tergipes tergipes*** (Forskål,  
1775)*Tergipes tergipes* L*Tergipes despectus* J  
[misspelled as  
*Terigipes* in JJ] J<sub>2</sub>, K, P

## Family Facelinidae

***Cratena pilata*** (Gould,  
1870)*Cratena pilata* K, L***Facelina bostoniensis***

(Couthoy, 1838)

*Facelina bostoniensis* K,  
L, R

## Family Aeolidiidae

***Aeolidia papilosa***

(Linnaeus, 1761)

*Aeolidia papilosa* J

[misspelled as A.

*papillosa* in JJ], K, L,

O, P, Pe [misspelled

as A. *papillosa* in

Pe], R, S, T

*Eolis farinacea* Pe

## Order Archeopulmonata

## Family Ellobiidae

***Myosotella myosotis***

(Draparnaud, 1801)

*Ovatella* (*alexia*)*myosotis* Lr<sub>2</sub>**Class Bivalvia**

## Order Solemyoidea

## Family Solemyidae

***Solemya velum*** Say, 1822*Solemya velum* T

## Order Nuculoidea

## Family Nuculidae

***Nucula delphinodonta***Mighels and Adams,  
1842*Nucula delphinodonta*  
Fl, Wt***Nucula proxima*** Say, 1822*Nucula proxima* L, P, T*Nucula proxima annulata*Lr<sub>2</sub>

## Family Nuculanidae

***Nuculana tenuisulcata***

(Couthoy, 1838)

*Nuculana tenuisulcata*

USNM

*Leda tenuisulcata* St

## Family Sareptidae

***Megayoldia thraciaeformis***

(Storer, 1838)

*Yoldia thraciaeformis* J***Yoldia limatula*** (Say, 1831)*Yoldia limatula* J, L, P*Leda limatula* St***Yoldia myalis*** (Couthoy,

1838)

*Yoldia myalis* Fl, Pe*Leda myalis* St

- Yoldia sapotilla* (Gould, 1841)  
*Yoldia sapotilla* Fl, Lr<sub>2</sub>  
 Leda sapotilla St
- Order Mytiloida  
 Family Mytilidae  
***Crenella decusata***  
 (Montagu, 1808)  
*Crenella decusata* J, Lr<sub>2</sub>, T  
 Mytilus decussatus St  
***Crenella glandula*** (Totten, 1834)  
*Crenella glandula* J, L, P, Pe, T  
***Geukensia demissa***  
 (Dillwyn, 1817)  
 Modiolus demissus P, Pe  
***Mytilus edulis*** Linnaeus, 1758  
*Mytilus edulis* L, Lr, Mc, O, P, Pe, R, S, T, V<sub>6</sub>, Wi  
***Mytilus trossulus*** Gould, 1850  
*Mytilus trossulus* Ma, Rw  
***Musculus discors***  
 (Linnaeus, 1767)  
*Musculus discors* G<sub>2</sub>, L, M, P, Pe, R, T, Wi  
 Modiolaria corrugata Fl  
 Modiolaria discors Fl, Fl<sub>2</sub>  
 Mytilus corrugatus St  
***Musculus niger*** (J.E. Gray, 1824)  
*Musculus niger* G<sub>2</sub>, L, Lr<sub>2</sub>, P, Pe, T, Wi  
 Modiolaria nigra V<sub>6</sub>  
***Modiolus modiolus***  
 (Linnaeus, 1758)  
*Modiolus modiolus* L, P, Pe, S, R, T, Wi  
 Modiola modiolus  
 USNM, V<sub>6</sub>
- Order Limoida  
 Family Limidae  
***Limatula subauriculata***  
 (Montagu, 1808)  
*Limatula subauriculata*  
 L
- Order Ostreoida  
 Family Pectinidae  
***Chlamys islandica*** (O.F. Müller, 1776)  
*Chlamys islandica* L  
 Chlamys islandicus M, P  
 Chlamys islandica islandica USNM  
 Pecten islandicus Fl, St, V<sub>6</sub>  
 Pecten (Chlamys) islandica J  
***Placopecten magellanicus***  
 (Gmelin, 1791)  
*Placopecten magellanicus* L, M, P, R, S, T  
 Pecten magellanicus Mg  
 Pecten (Placopecten) magellanicus J  
 Pecten tenuicostatus Fl, V<sub>6</sub>
- Family Anomiidae  
***Anomia simplex*** d'Orbigny, 1842  
*Anomia simplex* L, O, P, R, T, Wi [mis-spelled as Anomie in Wi]  
***Anomia squamula***  
 Linnaeus, 1758  
*Anomia squamula* Pe, T  
 Anomia aculeata L, Lr, P, R, Wi
- Order Veneroida  
 Family Thyasiridae  
***Thyasira equalis*** (Verrill and Bush, 1898)  
*Thyasira equalis* J  
***Thyasira flexuosa***  
 (Montagu, 1803)  
*Thyasira flexuosa* L, Lr<sub>2</sub>  
 Cryptodon gouldii Fl  
 Thyasira gouldii J, St  
***Thyasira trisinuata***  
 (d'Orbigny, 1842)  
 Cryptodon obesus V<sub>8</sub>
- Family Lasaeidae  
***Mysella planulata***  
 (Stimpson, 1851)  
 Rochefortia planulata J

## Family Carditidae

***Cyclocardia borealis***

(Conrad, 1831)

*Cyclocardia borealis*Lr<sub>2</sub>, Pe, T

Cardita borealis Fl, L,

Mg, P, R, S, St,

USNM [misspelled as

C. bonalis in USNM]

Venericardia

(Cyclocardia)

borealis J

***Cyclocardia novangliae*** (E.

S. Morse, 1869)

*Cyclocardia novangliae*Lr<sub>2</sub>

Venericardia

(Cyclocardia)

novangliae J

## Family Astartidae

***Astarte borealis***

(Schumacher, 1817)

*Astarte borealis* G<sub>3</sub>, L,Lr<sub>2</sub>, P, S

Astarte semisulcata Fl

***Astarte castanea*** (Say,

1822)

*Astarte castanea* G<sub>3</sub>, L,Lr<sub>2</sub>, P, Pe, R, SAstarte lens V<sub>6</sub>, V<sub>8</sub>***Astarte crenata*** (J. E. Gray,

1824)

*Astarte crenata* PeAstarte quadrans V<sub>8</sub>

Astarte subaequilatera

G<sub>3</sub>, J, L, P***Astarte elliptica*** (T. Brown,

1827)

*Astarte elliptica* G<sub>3</sub>, L,Lr<sub>2</sub>, P***Astarte undata*** Gould, 1841*Astarte undata* G<sub>3</sub>, J, L, P,Pe, R, T, V<sub>6</sub>, V<sub>8</sub>, V<sub>15</sub>

Astarte undata latisulca J

Astarte sulcata St

## Family Arcticidae

***Arctica islandica***

(Linnaeus, 1767)

*Arctica islandica* L, P

Cyprina islandica J

## Family Cardiidae

***Cerastoderma pinnulatum***

(Conrad, 1831)

*Cerastoderma**pinnulatum* L, Lr<sub>2</sub>, P,

R, T

***Clinocardium ciliatum*** (O.

Fabricius, 1780)

*Clinocardium ciliatum*L, Lr<sub>2</sub>, M, P

Cardium (Cerastoderma)

ciliatum J

Cardium islandicum St

## Family Mactridae

***Mactromeris polynyma***

(Stimpson, 1860)

Spisula (Hemimactra)

polynyma J

Mactra ponderosa St

## Family Pharidae

***Ensis directus*** Conrad, 1843*Ensis directus* T

## Family Tellinidae

***Macoma balthica***

(Linnaeus, 1758)

*Macoma balthica* L, Lr,

Mc, P, Pe, T

***Macoma calcarea*** (Gmelin,

1791)

*Macoma calcarea* J

Tellina proxima St

***Tellina agilis*** Stimpson,

1857

*Tellina agilis* Lr<sub>2</sub>, S

## Family Veneridae

***Gemma gemma*** (Totten,

1834)

*Gemma gemma* P***Pitar morrhuanus*** Linsley,

1848

Callista convexa Fl, V<sub>10</sub>

Callocardia (Agriopoma)

morrhuana J

## Family Petricolidae

***Petricolaria pholadiformis***

(Lamarck, 1818)

*Petricolaria**pholadiformis* P

## Order Myoida

## Family Myiidae

***Mya arenaria*** Linnaeus,  
1758

*Mya arenaria* Fl, Fl<sub>2</sub>, L,  
Lr, Mc, P, Pe, R, S, T,  
V<sub>6</sub>, Wi

***Mya truncata*** Linnaeus,  
1758

*Mya truncata* Fl, G<sub>4</sub>, J, L,  
M, P, Pe, St, T, V<sub>6</sub>, Wi

## Family Hiatellidae

***Hiatella arctica*** (Linnaeus,  
1767)

*Hiatella arctica* L, O, P,  
Pe, T, Wi

*Saxicava arctica* USNM,  
V<sub>6</sub>

***Hiatella striata*** Fleuriau,  
1802

*Hiatella striata* L, P, T

***Panomya norvegica***  
(Spengler, 1793)

*Panomya arctica* J

## Family Pholadidae

***Zirfaea crispata*** (Linnaeus,  
1758)

*Zirfaea crispata* J, P, S  
*Pholas crispata* St

## Order Pholadomyoida

## Family Lyonsiidae

***Lyonsia arenosa*** (Möller,  
1842)

*Lyonsia arenosa* J, Lr<sub>2</sub>

***Lyonsia hyalina*** Conrad,  
1831

*Lyonsia hyalina* Fl, L, P,  
R

## Family Pandoridae

***Pandora gouldiana*** Dall,  
1886

*Pandora gouldiana* Lr<sub>2</sub>

***Pandora inornata*** Verrill  
and Bush, 1898

*Pandora inornata* Lr<sub>2</sub>

***Pandora trilineata*** Say,  
1822

*Pandora trilineata* Fl, St

## Family Thraciidae

***Thracia conradi*** Couthoy,  
1839

*Thracia conradi* J, L, St,  
T

***Thracia myopsis*** Möller,  
1842

*Thracia myopsis* J

*Thracia couthoyi* St

***Thracia septentrionalis***

Jeffreys, 1872

*Thracia septentrionalis* J

## Family Periplomatidae

***Periploma leanum*** (Conrad,  
1831)

*Periploma*

(*Conchloodesma*)

*leanum* J

## Family Cuspidariidae

***Cuspidaria pellucida***

Stimpson, 1853

*Cuspidaria pellucida* J

## Class Scaphopoda

## Order Dentaliida

## Family Dentaliidae

***Antalis entale occidentale***

Stimpson, 1851

*Dentalium entale* Pe

*Dentalium entalis* J

*Dentalium occidentale* J

*Entalis striolata* Fl, Pe,

V<sub>6</sub>, V<sub>15</sub>

## Class Cephalopoda

## Order Sepioida

## Family Ommastrephidae

***Illex illecebrosus*** (Lesueur,  
1821)

*Illex illecebrosus* P,

USNM

*Ommastrephes*

*illecebrosa* J

## Order Vampyromorpha

## Family Octopodidae

***Bathypolypus bardii***

(Verrill, 1873)

*Polypus arcticus* J

## UNCERTAIN RECORDS

## Order Neotaenioglossa

## Family Epitoniidae

***Epitonium rupicola***

(Kurtz, 1860)

*Epitonium rupicola* Wi

Order Neogastropoda  
 Family Terebridae  
<sup>10</sup>*Terebra dislocata* (Say,  
 1822)  
*Terebra dislocata* Mg  
 Order Heterostropha  
 Family Pyramidellidae  
<sup>11</sup>*Turbonilla bushiana*  
 Verrill, 1882  
*Turbonilla bushiana* L, P

Massachusetts and though possibly  
 confused with *Odostomia bushiana*  
 Bartsch, 1909, a species known from  
 shallower water, *O. bushiana* also is not  
 known north of Massachusetts (G.  
 Rosenberg, Academy of Natural  
 Sciences, pers. comm.).

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 Key to the Abbreviations for Mollusca
 

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- <sup>1</sup>Records of *M. groenlandica* assigned  
 here based on Rehder (1990).  
<sup>2</sup>Records assigned here based on Warén  
 (1974). *Alvania castanea* is not  
 otherwise known south of  
 Hudson Bay and Warén (1974) shows  
 that *O. mighelsii* is often misidentified  
 as *A. castanea* or *Cingula arenaria*.  
<sup>3</sup>Generic placement by Gulbin and  
 Golikov (2000).  
<sup>4</sup>Transferred to Epitoniidae by Warén  
 (1980).  
<sup>5</sup>Records of *turriculata* in the Western  
 Atlantic are generally either *Propebela*  
*arctica* or *P. nobilis*. Since the former is  
 a northern species but the latter is known  
 from Cobscook Bay, the records for both  
*Lora turriculata* and *Propebela*  
*turriculata* are tentatively assigned to  
*Propebela nobilis* according to G.  
 Rosenberg, Academy of Natural  
 Sciences (pers. comm.).  
<sup>6</sup>Unidentified species at the time of  
 collection by Riser in 1970.  
<sup>7</sup>According to Thompson and Brown  
 (1984), the species “*coronata*” is  
 primarily Eastern Atlantic with Western  
 Atlantic examples distinctive and  
 possibly a different species.  
<sup>8</sup>This species is otherwise known only  
 from the Eastern Pacific.  
<sup>9</sup>This species not otherwise known north  
 of Massachusetts.  
<sup>10</sup>Needs confirmation. This species is not  
 otherwise known north of Maryland.  
<sup>11</sup>Needs confirmation according to G.  
 Rosenberg, Academy of Natural  
 Sciences (pers. comm.). This deepwater  
 species is not otherwise known north of

|                 |                                  |
|-----------------|----------------------------------|
| Bo              | Bousfield 1972                   |
| Fl              | Fuller 1862a                     |
| Fl <sub>2</sub> | Fuller 1862b                     |
| G <sub>1</sub>  | Gilbert 1977a                    |
| G <sub>2</sub>  | Gilbert, 1977b                   |
| G <sub>3</sub>  | Gilbert 1982a                    |
| G <sub>4</sub>  | Gilbert 1982b                    |
| Go              | Gosliner 1971                    |
| J               | Johnson 1915                     |
| J <sub>2</sub>  | Johnson 1934                     |
| K               | Kuzirian 1977                    |
| L               | Langer 1973                      |
| Lr <sub>2</sub> | Larsen and Doggett 1975          |
| Lr <sub>3</sub> | Larsen 1975                      |
| M               | Meinkoth 1975                    |
| Ma              | Maloy et al. 2003                |
| Mc              | McCullough 1981                  |
| Mg              | Mighels 1843                     |
| O               | O'Brien 1972                     |
| P               | Perkins and Larsen 1975          |
| Pe              | Peabody Museum                   |
| R               | Riser 1970                       |
| Rw              | Rawson et al. 2001               |
| S               | Spencer 1973                     |
| St              | Stimpson 1851b                   |
| T               | Trott 2004b                      |
| USNM            | United States National<br>Museum |
| V <sub>4</sub>  | Verrill 1870                     |
| V <sub>6</sub>  | Verrill 1871b                    |
| V <sub>7</sub>  | Verrill 1872a                    |
| V <sub>8</sub>  | Verrill 1872b                    |
| V <sub>10</sub> | Verrill 1874                     |
| V <sub>12</sub> | Verrill 1879a                    |
| V <sub>15</sub> | Verrill 1880b                    |
| V <sub>16</sub> | Verrill 1881                     |
| V <sub>17</sub> | Verrill 1882                     |
| V <sub>18</sub> | Verrill 1883                     |
| Wi              | Weiss 1980                       |
| Wt              | Whiteaves 1901                   |

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**PHYLUM ECTOPROCTA****Class Gymnolaemata**

## Order Cheilostomatida

## Family Bugulidae

*Bugula fulva* Ryland, 1960*Bugula fulva* Wn*Bugula turrita* (Desor,  
1848)*Bugula turrita* P, R, S*Dendrobeatia decorata*  
(Verrill, 1879)*Bugula decorata* V<sub>13</sub>*Dendrobeatia murrayana*  
(Johnston, 1847)*Dendrobeatia*  
*murrayana* L, P, Pe,  
R, T

## Family Calloporidae

*Amphiblestrum auritum*  
(Hincks, 1877)*Callopora aurita* P*Cauloramphus*  
*cymbaeformis*  
(Hincks, 1877)*Cauloramphus*  
*cymbaeformis* L*Tegella unicornis*  
(Fleming, 1828)*Tegella unicornis* S

## Family Candidae

*Caberea ellisii* (Fleming,  
1814)*Caberea ellisii* L, M, P,  
Pe, Wi*Tricellaria peachii* (Busk,  
1851)*Bugulopsis peachi* Pe*Tricellaria ternata* (Ellis  
and Solander, 1786)*Tricellaria ternata* Pe

## Family Celleporidae

*Turbicellepora*  
*canaliculata* (Busk,  
1881)*Turbicellepora*  
*canaliculata* L

## Family Cribrulinidae

*Cribrilina annulata* (O.  
Fabricius, 1780)*Cribrilina annulata* L

## Family Electridae

*Electra pilosa* (Linnaeus,  
1767)*Electra pilosa* L, O, P, Wi

## Family Eucrateidae

*Eucratea loricata*  
(Linnaeus, 1758)*Eucratea loricata* M, T

## Family Hippothoidae

*Celleporella hyalina*  
(Linnaeus, 1767)<sup>1</sup>*Hippothoa hyalina* L, P

## Family Membraniporidae

*Membranipora tenuis*  
Desor, 1848*Membranipora tenuis* R

## Family Schizoporellidae

*Schizoporella biperta*  
(Michelin, 1845)*Schizoporella biperta* R

## Order Ctenostomata

## Family Flustrellidridae

*Flustrellidra hispida* (O.  
Fabricius, 1780)*Flustrellidra hispida* L,  
O [misspelled  
*Flustrella* in L and O],  
P, R, S, Wi

## Family Vesiculariidae

*Bowerbankia gracilis*  
Leidy, 1855*Bowerbankia gracilis* S,  
Wn

## Family Walkeriidae

*Aeverrillia setigera*  
(Hincks, 1887)*Aeverrillia setigera* S**Class Stenolaemata**

## Order Cyclostomata

## Family Crisiidae

*Crisia eburnea* (Linnaeus,  
1758)*Crisia eburnea* Pe, R

## Family Lichenoporidae

*Disporella hispida*  
(Fleming, 1822)*Lichenopora hispida* L, P*Lichenopora verrucaria*  
(O. Fabricius, 1780)*Lichenopora verrucaria*  
L, P

**UNCERTAIN RECORDS**

## Order Cheilostomatida

## Family Bitectiporidae

<sup>2</sup>*Bugula simplex* Hincks,  
1886*Bugula simplex* L, P, S<sup>3</sup>*Schizomavella auriculata*  
(Hassall, 1842)*Schizomavella*  
*auriculata* R

## Family Calloporidae

<sup>4</sup>*Callopora craticula*  
(Alder, 1857)*Callopora craticula* L

## Family Microporellidae

<sup>5</sup>*Microporella ciliata*  
(Pallas, 1766)*Microporella ciliata* L, P

## Family Tubuliporidae

<sup>6</sup>*Tubulipora liliacea*  
(Pallas, 1766)*Tubulipora liliacea* L, P

## Family Umbonulidae

<sup>7</sup>*Posterula sarsi* (Smitt,  
1868)*Eschara lobata* Pe<sup>1</sup>In part (J. Winston, Virginia Museum of Natural History, pers. comm.).<sup>2</sup>*Bugula simplex* has not been observed in W. Atlantic collections (J. Winston, pers. comm.).<sup>3</sup>According to J. Winston (pers. comm.), *Schizomavella auriculata* has not been found on the US East coast; this probably is *Schizomavella globifera* (Packard, 1863), no other *Schizomavella* sp. has been recorded from the region.<sup>4</sup>*Callopora craticula* (Alder, 1857) has yet to be observed in collections and specimens identified as such may be *C. sedovi*, *C. whiteavesi* or another species (J. Winston, pers. comm.).<sup>5</sup>*Microporella ciliata* is a European species. New England species of *Microporella* are *M. stellata* and *M. rogickae*. This identification could be either or both (J. Winston, pers. comm.).<sup>6</sup>This identification is questionable (J. Winston, pers. comm.).<sup>7</sup>This identification is questionable since *E. lobata* is not a New England species (J. Winston, pers. comm.).

## Key to the Abbreviations for Ectoprocta

|                 |                         |
|-----------------|-------------------------|
| L               | Langer 1973             |
| M               | Meinkoth 1975           |
| O               | O'Brien 1972            |
| P               | Perkins and Larsen 1975 |
| Pe              | Peabody Museum          |
| R               | Riser 1970              |
| S               | Spencer 1973            |
| T               | Trott 2004b             |
| V <sub>13</sub> | Verrill 1879b           |
| Wi              | Weiss 1980              |

**PHYLUM BRACHIOPODA****Class Articulata**

## Order Terebratulida

## Family Cancellothyridae

*Terebratulina**septentrionalis*

(Couthoy, 1838)

*Terebratulina**septentrionalis* Fl, L,Lr<sub>2</sub>, M, O, P, Pa, Pe, R,S, St, T, V<sub>6</sub>, V<sub>15</sub>, WiKey to the Abbreviations for  
Brachiopoda

|                 |                         |
|-----------------|-------------------------|
| Fl              | Fuller 1862a            |
| L               | Langer 1973             |
| Lr <sub>2</sub> | Larsen and Doggett 1975 |
| M               | Meinkoth 1975           |
| O               | O'Brien 1972            |
| P               | Perkins and Larsen 1975 |
| Pa              | Paine 1959              |
| Pe              | Peabody Museum          |
| R               | Riser 1970              |
| S               | Spencer 1973            |
| St              | Stimpson 1851b          |
| T               | Trott 2004b             |
| V <sub>6</sub>  | Verrill 1871b           |
| V <sub>15</sub> | Verrill 1880b           |
| Wi              | Weiss 1980              |

**PHYLUM ECHINODERMATA****Class Holothuroidea**

## Order Dendrochirotida

## Family Psolidae

*Psolus fabricii* (Düben and Koren, 1846)*Psolus fabricii* L, P, PeLophothuria fabricii V<sub>6</sub>*Psolus phantapus*

(Strussenfeldt, 1766)

*Psolus phantapus* L, P, V<sub>1</sub>, V<sub>6</sub>, Wt

## Family Cucumariidae

*Cucumaria frondosa*

(Gunnerus, 1770)

*Cucumaria frondosa* L, O, P, Pe, R, S, T, Wi*Pentacta frondosa* Fl, V<sub>1</sub>, V<sub>6</sub>*Duasmodyctyla commune*

(Forbes, 1841)

*Duasmodyctyla commune* L*Thyonidium drummondii*

(Thompson, 1840)

*Thyonidium productum* Cl, V<sub>1</sub>, V<sub>6</sub>

## Order Apodida

## Family Synaptidae

*Epitomapta roseola*

(Verrill, 1874)

*Leptosynapta roseola* Lr<sub>2</sub>, P, R*Rhabdomolgus fuscus*

Keferstein, 1863

*Rhabdomolgus fuscus* R

## Family Chiridotidae

*Chiridota laevis* (O.

Fabricius, 1780)

*Chiridota laevis* Fl, L, Lr,

P, R, S [misspelled Chirodota], T,

V<sub>1</sub> [variant spelling Chirodota laeve inV<sub>1</sub>], V<sub>6</sub> [variant spelling Chirodotaleve in V<sub>6</sub>], Wi [variant spelling

Chirodota laevis in Wi]

**Class Echinoidea**

## Order Echinoida

## Family Strongylocentrotidae

*Strongylocentrotus**droebachiensis* (O.F. Müller, 1776)*Strongylocentrotus**droebachiensis* L, Lr<sub>2</sub>,Lr<sub>3</sub>, O, P, Pe, R, S, T,V<sub>15</sub>, Wi [misspelled as

Strongylocentrotus in

Wi]

## Euryechinus

*dröbachiensis* V<sub>1</sub>, V<sub>6</sub>*Echinus granulatus* Fl

## Order Clypeasteroida

## Family Echinarachniidae

*Echinarachnius parma*

(Lamarck, 1816)

*Echinarachnius parma*L, Lr<sub>2</sub>, Lr<sub>3</sub>, P, Pa, R, S,T, V<sub>1</sub>, V<sub>6</sub>**Class Asteroidea**

## Order Valvatida

## Family Goniasteridae

*Ctenodiscus crispatus*

(Retzius, 1806)

*Ctenodiscus crispatus*Lr<sub>2</sub>, Lr<sub>3</sub>*Hippasteria phrygiana*

(Parelius, 1768)

*Hippasteria phrygiana*

L, P, R, S [misspelled as Hippasterias in S]

## Order Spinulosida

## Family Solasteridae

*Crossaster papposus*

(Linnaeus, 1766)

*Crossaster papposus* L,Lr<sub>3</sub>, Pe, R, V<sub>6</sub>*Solaster papposus* Fl, Lr<sub>2</sub>,

P, S

*Solaster endeca* (Linnaeus,

1771)

*Solaster endeca* Fl, L, O,P, Pe, R, S, T, V<sub>6</sub>, Wi



## Family Pterasteridae

- Pteraster militaris*** (O. F. Müller, 1776)  
*Pteraster militaris* L, P, Pe, R, V<sub>6</sub>  
***Pteraster pulvillus*** M. Sars, 1861  
*Pteraster pulvillus* L

## Family Echinasteridae

- Henricia eschrichti*** (Müller and Troschel, 1842)  
*Henricia eschrichti* Pe  
***Henricia oculata*** (Pennant, 1777)  
*Cribrella oculata* Fl  
***Henricia sanguinolenta*** (O.F. Müller, 1776)  
*Henricia sanguinolenta* L, Lr<sub>2</sub>, O, Pe, R, S, T, Wi  
*Cribrella pectinata* Cl  
*Cribrella sanguinolenta* Pe, V<sub>1</sub>, V<sub>6</sub>

## Order Forcipulatida

## Family Asteroiidae

- Asterias forbesi*** (Desor, 1848)  
*Asterias forbesi* P, R, S, T, V<sub>1</sub>  
***Asterias rubens*** Linnaeus, 1768  
*Asterias rubens* L, O, T  
*Asteracanthion rubens* Fl  
*Asterias stimpsoni* V<sub>1</sub>  
*Asterias vulgaris* P, Pe, R, S, V<sub>1</sub>, V<sub>6</sub>, V<sub>15</sub>, Wi  
*Uraster rubens* St<sub>1</sub>  
***Leptasterias littoralis*** (Stimpson, 1863)  
*Leptasterias littoralis* L, P, Pe, R, T, Wt  
*Asteracanthion littoralis* Fl  
*Asterias littoralis* Pe, V<sub>1</sub>, V<sub>6</sub>, V<sub>21</sub>

***Leptasterias muelleri*** (Sars, 1846)

*Leptasterias muelleri* P, Pe

***Lepasterias tenera***

(Stimpson, 1862)  
*Lepasterias tenera* L, P, Pe, R, T, Wi  
*Asterias tenera* S, V<sub>1</sub>

***Stephanasterias albula***

(Stimpson, 1863)  
*Stephanasterias albula* L, V<sub>6</sub>  
*Stichaster albulus* Cl, V<sub>1</sub>

**Class Ophiuroidea**

## Order Phrynophiurida

## Family Gorgonocephalida

- Gorgonocephalus arcticus*** Leach, 1819  
*Gorgonocephalus arcticus* L, P, Pe, S  
*Astrophyton agassizii* Fl, V<sub>1</sub>, V<sub>6</sub>, V<sub>15</sub>

## Order Ophiurida

## Family Ophiuridae

- Ophiura robusta*** (Ayres, 1861)  
*Ophiura robusta* L, Lr<sub>2</sub>, Lr<sub>3</sub>  
*Ophioglypha robusta* V<sub>1</sub>, V<sub>6</sub>  
*Ophiolepis robusta* Fl, Fl<sub>2</sub>

***Ophiura sarsi*** (Lütken, 1864)

*Ophioglypha sarsii* V<sub>1</sub>, V<sub>6</sub>

## Family Ophiodermatidae

***Ophiacantha bidentata***

(Retzius, 1806)  
*Ophiacantha spinulosa* V<sub>6</sub>

## Family Ophiactidae

***Ophiopholis aculeata***

(Linnaeus, 1767)  
*Ophiopholis aculeata* L, O, P, R, S, V<sub>1</sub>, V<sub>6</sub>, Wi  
 [misspelled as  
*Ophipholis* in Wi]

## Family Amphiuroidae

***Amphipholis squamata***

(Delle Chiaje, 1829)

*Amphipholis squamata*

L, O, P, R, T

*Amphiura squamata* V<sub>1</sub>,  
V<sub>6</sub>*Axiognathus squamatus*L, Wi [mis-spelled as  
*Axigrathus* in Wi]**PHYLUM CHAETOGNATHA*****Parasagitta elegans*** Verrill,

1873

*Sagitta elegans* LKey to the Abbreviations for  
Chaetognatha

L Langer 1973

**UNCERTAIN RECORDS**

## Order Forcipulatida

## Family Asteriidae

<sup>1</sup>***Leptasterias******groenlandicus***

(Steenstrup, 1867)

*Leptasterias**groenlandicus* Wi**PHYLUM HEMICHORDATA****Class Enteropneusta**

## Family Harrimaniidae

***Saccoglossus kowalevskii***

(Agassiz, 1873)

*Saccoglossus**kowalevskii* L, S, T**Class Pterobranchia**

## Family Rhabdopleuridae

***Rhabdopleura compacta***

Hincks, 1880

*Rhabdopleura compacta*

L

<sup>1</sup>This is a doubtful record south of  
Greenland, probably *L. littoralis*.Key to the Abbreviations for  
Echinodermata

|                 |                         |
|-----------------|-------------------------|
| Cl              | Clark 1905              |
| Fl              | Fuller 1862a            |
| L               | Langer 1973             |
| Lr              | Larsen et al. 1979      |
| Lr <sub>2</sub> | Larsen and Doggett 1975 |
| Lr <sub>3</sub> | Larsen 1975             |
| O               | O'Brien 1972            |
| P               | Perkins and Larsen 1975 |
| Pa              | Packard 1867            |
| R               | Riser 1970              |
| S               | Spencer 1973            |
| St <sub>1</sub> | Stimpson 1851a          |
| T               | Trott 2004b             |
| V <sub>1</sub>  | Verrill 1866            |
| V <sub>6</sub>  | Verrill 1871b           |
| V <sub>15</sub> | Verrill 1880b           |
| V <sub>21</sub> | Verrill 1895            |
| Wi              | Weiss 1980              |
| Wt              | Whiteaves 1901          |

## Key to the Abbreviations for Hemichordata

|   |              |
|---|--------------|
| L | Langer 1973  |
| S | Spencer 1973 |
| T | Trott 2004b  |

## PHYLUM CHORDATA

### Class Ascidiacea

#### Order Enterogona

##### Suborder Aplousobranchia

##### Family Polyclinidae

*Aplidium glabrum* (Verrill,  
1871)

Amaroucium glabrum S,  
V<sub>7</sub>, Wi, Wt,

*Aplidium pallidum* (Verrill,  
1871)

*Aplidium pallidum* R  
Amaroucium pallidum  
V<sub>7</sub>, Wt

##### Family Didemnidae

*Didemnum albidum*  
(Verrill, 1871)

*Didemnum albidum* L, P,  
Pe, R, VN, Wi

*Didemnum roseum* Pa

*Leptoclinum albidum* Pe,  
Wt

*Leptoclinum luteolum* Pe

*Lissoclinum aureum*

Verrill, 1871

*Lissoclinum aureum* V<sub>7</sub>,  
VN

*Trididemnum tenerum*

(Verrill, 1871)

*Trididemnum tenerum*  
VN

*Lissoclinum tenerum* V<sub>7</sub>

##### Family Polyclitoridae

*Distaplia clavata* (M. Sars,  
1851)

*Distaplia clavata* Pe, VN

##### Suborder Phlebobranchia

##### Family Cionidae

*Ciona intestinalis*

(Linnaeus, 1767)

*Ciona intestinalis* L, P, T

*Ciona intestinalis tenella*  
Pe

*Ciona tenella* Pe, V<sub>6</sub>

##### Family Ascidiidae

*Ascidia callosa* Stimpson,  
1852

*Ascidia callosa* Fl, Fl<sub>2</sub>,  
Pe, R, T

*Ascidia inornata* V<sub>14</sub>

*Ascidia prunum* O.F.  
Müller, 1776

*Ascidia prunum* L, Pe

*Ascidia complanata* V<sub>6</sub>,  
Wt

*Ascidiopsis complanata*  
Pe

##### Order Pleurogona

##### Suborder Stolidobranchiata

##### Family Styelidae

*Botrylloides diegensis* Ritter  
and Forsyth, 1917

*Botrylloides diegensis* R

*Botryllus schlosseri* (Pallas,  
1776)

*Botryllus schlosseri* L,  
Lr<sub>2</sub>, O, P, R

*Cnemidocarpa mollis*

(Stimpson, 1852)

*Glandula mollis* Pe

*Dendrodoa carnea* (L.

Agassiz, 1850)

*Dendrodoa carnea* L, M,

P, Pe, R, T, Wi

*Cynthia carnea* V<sub>6</sub>

*Halocynthia tuberculum*  
Pe

*Dendrodoa grossularia*

(Van Beneden, 1846)

*Dendrodoa grossularia*

VN

*Dendrodoa pulchella*

(Verrill, 1871)

*Dendrodoa pulchella*

VN

*Cynthia pulchella* V<sub>7</sub>

*Polycarpa fibrosa*

(Stimpson, 1852)

*Glandula fibrosa* Pe

*Styela coriacea* (Alder and

Hancock, 1848)

*Styela coriacea* Pe

*Styela partita* (Stimpson,  
1852)

*Styela partita* P

## Family Pyuridae

***Boltenia echinata***

(Linnaeus, 1767)

*Boltenia echinata* L, P,

Pe, R, S, T, Wi

*Cynthia echinata* V<sub>6</sub>*Halocynthia echinata* Pe,

Wt

***Boltenia ovifera*** (Linnaeus,  
1767)*Boltenia ovifera* L, M, P,

Pe, R, S, T, Wi

*Boltenia bolteni* Pe, V<sub>15</sub>*Boltenia bolteni* var.*rubra* Pe*Boltenia reniformis* Fl,Fl<sub>2</sub>, V<sub>6</sub>***Halocynthia pyriformis***

(Rathke, 1806)

*Halocynthia pyriformis*

L, M, O, P, Pe, R, S, T,

Wi, Wt

*Cynthia pyriformis* Fl, V<sub>6</sub>

## Family Molgulidae

***Bostrichobranthus****pilularis* (Verrill,

1871)

*Bostrichobranthus**pilularis* R*Eugyra pilularis* Pe, V<sub>7</sub>*Mogula pilularis* Pe, V<sub>5</sub>***Molgula arenata*** Stimpson,  
1852*Molgula arenata* P***Molgula citrina*** Alder and  
Hancock, 1848*Molgula littoralis* V<sub>5</sub>***Molgula complanata*** Alder  
and Hancock, 1870*Molgula complanata* Lr<sub>2</sub>,Lr<sub>3</sub>, VN*Molgula papillosa* Pe, V<sub>5</sub>,V<sub>7</sub>***Molgula manhattensis***

(DeKay, 1843)

*Molgula manhattensis* P***Molgula retortiformis***

Verrill, 1871

*Molgula retortiformis*Pe, V<sub>5</sub>, V<sub>6</sub>, VN***Molgula siphonalis*** Sars,  
1859*Molgula siphonalis* Pe,

VN

*Mogula pannosa* V<sub>5</sub>

## Key to the Abbreviations for Chordata

|                 |                         |
|-----------------|-------------------------|
| Fl              | Fuller 1862a            |
| Fl <sub>2</sub> | Fuller 1862b            |
| L               | Langer 1973             |
| Lr <sub>2</sub> | Larsen and Doggett 1975 |
| Lr <sub>3</sub> | Larsen 1975             |
| M               | Meinkoth 1975           |
| O               | O'Brien 1972            |
| P               | Perkins and Larsen 1975 |
| Pe              | Peabody Museum          |
| R               | Riser 1970              |
| S               | Spencer 1973            |
| T               | Trott 2004b             |
| V <sub>5</sub>  | Verrill 1871a           |
| V <sub>6</sub>  | Verrill 1871b           |
| V <sub>7</sub>  | Verrill 1872a           |
| V <sub>14</sub> | Verrill 1880a           |
| V <sub>15</sub> | Verrill 1880b           |
| Wi              | Weiss 1980              |
| VN              | van Name 1945           |
| Wt              | Whiteaves 1901          |

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