# 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

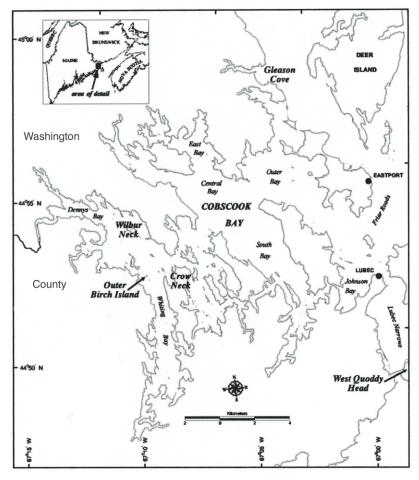


Figure 1. Map of Cobscook Bay, ME. Inset illustrates general location of Cobscook Bay in relation to the Gulf of Maine.

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.

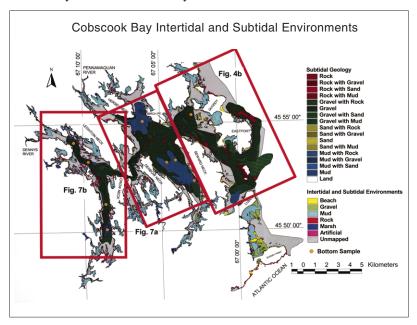


Figure 2. Surficial geology map for Cobscook Bay, ME (Kelley and Kelley 2004).

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 crossreferenced 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 Brunswisk, 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 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 Decapoda
Rafael Lemaitre	National Museum of Natural History	Anomura
Richard Modlin	University of Alabama	Mysidacea
Françoise Monniot	Muséum National d'Histoire Naturelle	Ascidiacea
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 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 distiguished 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 Records(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
Phylum Ctenophora	275
Phylum Platyhelminthes	276
Phylum Nemertea	277
Phylum Nemata (Nematoda)	278
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

Family Leucosoleniidae

Order Clathrinida
Family Clathrinidae
Clathrina coriacea
(Montagu, 1818)
Clathrina coriacea L
Order Leucosolenida

1786)

Leucosolenia botryoides
L, P, R, S, T, Wi

Family Sycettidae

Sycon ciliatum O. Fabricius, 1780

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

Leucosolenia botryoides (Ellis and Solander,

2001	20)
Class Demospongiae	Halichondria panicea
Order Halisarcida	(Pallas, 1766)
Family Halisarcidae	Halichondria panicea L,
Halisarca dujardini	O, P, R, S, T, Wi
Johnston, 1842	Halichondria sitiens
Halisarca dujardini R	(Schmidt, 1870)
Order Poecilosclerida	Pellina sitiens L, P
Family Acarnidae	Hymeniacidon heliophila
Iophon nigricans	(Parker, 1910)
(Bowerbank, 1863)	Hymeniacidon
Iophon nigricans L, M, P	heliophaila M
Family Microcionidae	Order Haplosclerida
Microciona prolifera (Ellis	Family Chalinidae
and Solander, 1786)	Haliclona canaliculata
Microciona prolifera L,	Hartman, 1958
P	Haliclona canaliculata P
Family Myxillidae	Haliclona oculata (Pallas,
Myxilla fimbriata	1766)
(Bowerbank, 1864)	Haliclona oculata L, R,
	S, Wi
Myxilla fimbriata L	Order Hadromerida
Myxilla incrustans	
(Johnston, 1842)	Family Clionaidae
Myxilla incrustans L, P	Cliona celata Grant, 1826
Family Tedaniidae	Cliona celata L, P, S, Wi
Tedania suctoria (Schmidt,	Pione vastifica (Hancock,
1870)	1849)
Tedania suctoria L	Cliona vastifica L, P
Family Mycalidae	Family Polymastiidae
Mycale lingua (Bowerbank,	Polymastia robusta
1858)	(Bowerbank, 1816)
Mycale lingua L	Polymastia robusta L,
Mycale ovulum (Schmidt,	$Lr_2, Lr_3, M, P$
1870)	Family Suberitidae
Mycalecarmia ovulum L,	Suberites ficus (Pallas,
P	1766)
Family Isodictyidae	Suberites ficus L, P
<i>Isodictya deichmannae</i> de	
Laubenfels, 1949	Key to the Abbreviations for Porifera
Isodictya deichmannae	L Langer 1973
L, P, Pe	Lr <sub>2</sub> Larsen and Doggett 1975
Isodictya palmata (Ellis and	Lr <sub>3</sub> Larsen 1975
Solander, 1786)	M Meinkoth 1975
Isodictya palmata L, P, R	O O'Brien 1972
Order Halichondrida	P Perkins and Larsen 1975
Family Halichondriidae	Pe Peabody Museum
Halichondria bowerbanki	R Riser 1970
Burton, 1930	S Spencer 1973
Halichondria	T Trott 2004b
bowerbanki P, Pe	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)

Halimocyathus lagena B

Lucernaria quadricornis

O. F. Müller, 1776

Lucernaria quadricornis

 $B, L, M, P, Pe, S, V_6$ 

Suborder Cleistocarpida

Family Depastridae

Craterolophus convolvulus

(Johnston, 1835)

Craterolophus convolvu-

lus L. P. R

Order Semaeostomeae

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>,

 $V_6$ 

Phacellophora ornata B

### Class Hydrozoa

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

Order Anthoathecatae—athecate

hydroids

Family Clavidae

Clava multicornis

(Forsskål, 1775)

Clava leptostyla F, L, O,

P, R, S, T

Family Hydractiniidae

\*Hvdractinia 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 Bougainvilliidae

Family Zancleidae

*Zanclea costata	st Bougain villia
Gegenbaur, 1857	superciliaris (L.
Zanclea costata M	Agassiz, 1849)
Family Acaulidae	Bougainvillia
Acaulis primarius	superciliaris B
Stimpson, 1853	Family Pandeidae
Acaulis primarius V <sub>6</sub>	Catablema vesicarium (A.
Candelabrum phrygium	Agassiz, 1862)
(O. Fabricius, 1780)	Catablema vesicaria B
Blastothela rosea V <sub>11</sub>	*Leuckartiara octona
Family Corymorphidae	(Fleming, 1823)
Corymorpha nutans M.	Leuckartiara octona B
Sars, 1835	Campanularia repens
Corymorpha nutans Fl	USNM
Corymorpha pendula L.	Family Zancleidae
	*Zanclea costata
Agassiz, 1862	Gegenbaur, 1857
Corymorpha pendula L,	Zanclea costata M
M, P, S, USNM	Family Corynidae
Hybocodon pendula B	*Sarsia tubulosa (M. Sars, 1835)
Family Tubulariidae	Sarsia mirabilis B
Ectopleura crocea (L.	Order Limnomedusae
Agassiz, 1862)	Family Olindiidae
Tubularia crocea L, P, Wi	Gonionemus vertens L.
Ectopleura larynx (Ellis	Agassiz, 1862
and Solander, 1786)	Gonionemus vertens L,
Thamnocnidia larynx	P, M
USNM	Order Leptothecatae—thecate hydroids
Tubularia larynx L, P, R,	Family Melicertidae
Wi	Melicertum octocostatum
Tubularia spectabilis L, P	(M. Sars, 1835)
Tubularia tenella F	Melicertum
Tubularia indivisa	octocostatum M
Linnaeus, 1758	Melicertum campanula
Tubularia indivisa M	$B, V_6$
Family Corynidae	Family Calycellidae
*Sarsia tubulosa (M. Sars,	Calycella syringa
1835)	(Linnaeus, 1767)
Sarsia mirabilis B	Calycella syringa L,
Order Anthoathecatae—hydromedusae	USNM
Family Hydractiniidae	Calycella pygmaea
*Hydractinia americana	USNM
Edwards, 1972	Calycella syringes P
¹Podocoryne carnea L	Family Haleciidae
Hydractinia borealis	Halecium articulosum
(Mayer, 1900)	Clark, 1875
Lymnorea borealis B	Halecium articulosum F,
Lymnorea poreans D	Pe

Laomedea flexuosa Alder,

1857

# 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

Phialidium languidum B

Oceania languida V<sub>6</sub>

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)	Family Aequoreidae <i>Aequorea albida</i> L. Agassiz,
Hydrallmania falcata F,	1862
L, P, T	Aequorea aequorea var.
Sertularia argentea	albida B
(Linnaeus, 1758)	Rhacostoma atlanticum L.
Sertularia argentea Fl	Agassiz, 1850
Thuiaria argentea F, L, P	Aequorea groenlandica B
Sertularia cupressina	Family Laodiceidae
Linnaeus, 1758	Staurophora mertensi
Thuiaria cupressina F	Brandt, 1838
Sertularia latiuscula	Staurophora mertensi
Stimpson, 1853	USNM
Sertularia latiuscula	Staurophora mertensii B
USNM	Staurophora laciniata V <sub>6</sub>
Sertularella polyzonias	Family Tiaropsidae
	Tiaropsis multicirrata (M.
(Linnaeus, 1758)	Sars, 1835)
Sertularella polyzonias F	Tiaropsis diademata B
Sertularia polyzonias Fl,	Order Trachymedusae
Fl <sub>2</sub>	Family Rhopalonematidae
Sertularella rugosa	Aglantha digitalis (O.F.
(Linnaeus, 1758)	Müller, 1776)
Sertularella rugosa L	Aglantha digitale B
Sertularia similis Clark,	
1876	Subclass Siphonophorae
Thuiaria similis L, P	Order Cystonectae
Symplectoscyphus	Family Physaliidae
tricuspidatus (Alder,	Physalia physalis
1856)	(Linnaeus, 1758)
Sertularia tricuspidata F,	Physalia physalis B
L, P, USNM	Order Physonectae
Tamarisca tamarisca	Family Agalmatidae
(Linnaeus, 1758)	Agalma elegans (M. Sars,
Diphasia tamarisca F	1846)
Thuiaria articulata (Pallas,	Agalma elegans B
1766)	Nanomia cara (A. Agassiz,
Thuiaria articulata	1865)
USNM	Stephanomia cara B, L
Thuiaria lonchitis F	
Order Leptothecatae —hydromedusae	Class Anthozoa
Family Melicertidae	Subclass Ceriantipatharia
Melicertum octocostatum	Order Ceriantharia
(M. Sars, 1835)	Family Cerianthidae
Melicertum	Cerianthus borealis Verrill,
octocostatum M	1873
Melicertum campanula	${\it Cerianthus borealis L, P,}$
$B, V_6$	R, T, Wi

Hydractinia polyclina Pe

#### Subclass Alcyonaria Family Diadumenidae Diadumene lineata (Verrill, Order Alcyonacea 1869) Suborder Alcyoniina Diadumene lineata P Family Alcyoniidae Haliplanella luciae P Drifa glomerata (Verrill, Family Edwardsiidae 1869) Edwardsia elegans (Verrill, Drifa glomerata Lr<sub>2</sub>, Lr<sub>3</sub> 1869) Gersemia rubiformis Edwardsia elegans Lr<sub>2</sub>, (Ehrenberg, 1834) $M, P, Pe, R, S, T, V_2$ Gersemia rubiformis L, V25, Wi P, R, USNM Edwardsia sipunculoides Gersemia carnea V<sub>24</sub> (Stimpson, 1853) Alcyonium carneum Fl, Edwardsia sipunculoides $V, V_6$ $Pe, V, V_1$ Alcyonium rubiforme V<sub>6</sub> Edwardsiella **Eunephthya** rubiformis sipunculoides V25 Pe Family Halcampidae Halcampa duodecimcirrata Subclass Zoantharia (= Hexacorallia) (M. Sars, 1851) Halcampa Order Actiniaria duodecimcirrata S, P, Family Actiniidae Aulactinia stella (Verrill, $R, V_{25}$ 1864) Edwardsia farinacea V<sub>2</sub>, Bunodactis stella M, P, $V_{25}$ Family Haloclavidae Pe, S, USNM, $V_9$ , $V_{22}$ Bunodes stella V, V<sub>6</sub> Ivanthus laevis Verrill, 1864 Bolocera tuediae (Johnson. 1832) Iyanthus laevis V<sub>1</sub> Peachia parasitica (L. Bolocera tuediae L Urticina felina (Linnaeus, Agassiz, 1859) Peachia parasitica Pe, 1767) Urticina felina T USNM, V, V<sub>6</sub> Bicidiopsis tubicola Pe Tealia crassicornis M, O, Family Metridiidae USNM Metridium senile Tealia felina L, P, Pe, S (Linnaeus, 1767) Urticina crassicornis R, $V_6, V_{22}, V_{25}$ Metridium senile L, Lr<sub>3</sub>, O, P, Pe, R, S, T, Wi Family Actinostolidae Metridium marginatum Actinostola callosa (Verrill, 1882) $V_6$ Actinostola callosa P Stomphia carneola (Stimpson, 1853) UNCERTAIN RECORDS Stomphia carneola V<sub>23</sub>, Order Anthoathecatae—athecate hydroids Stomphia coccinea (O.F. Family Hydractiniidae Müller, 1776) <sup>2</sup>Hydractinia polyclina (L. Stomphia coccinea L, P Agassiz, 1862)

Rhodactinia davisii V

Stomphia churchiae USNM

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 distinguished from H. echinata only on the basis of molecular data.

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

#### Key to the Abbreviations for Cnidaria В Bigelow 1914 F Fraser 1944 FIFuller 1862a $Fl_2$ Fuller 1862b L Langer 1973 $Lr_2$ Larsen and Doggett 1975 Larsen 1975 $Lr_3$ Meinkoth 1975 M 0 O'Brien 1972 Р Perkins and Larsen 1975 Pe Peabody Museum Riser 1970 R S Spencer 1973 Т Trott 2004b **USNM** United States National Museum V Verrill 1864 $V_1$ Verrill 1866 $V_2$ Verrill 1869a $V_3$ Verrill 1869b $V_6$ Verrill 1871b $V_{11}$ Verrill 1878 Verrill 1899a $V_{22}$ $V_{23}$ Verrill 1899b Verrill 1922a $V_{24}$ $V_{25}$ Verrill 1922b Wi Weiss 1980

### PHYLUM CTENOPHORA

#### Class Tentaculata

Order Cydippida

order Cydippida

Family Mertensiidae

Mertensia ovum (O.

Fabricius, 1780)

 $Mertensia ovum B, V_6$ 

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  $V_6$ 

### Class Nuda

Order Beroida

Family Beroidae

Beroe cucumis Fabricius,

1780

Beroe cucumis B

Idyia roseola V<sub>6</sub>

Key to the Abbreviations for		
Ctenophora		
В	Bigelow 1914	
L	Langer 1973	
P	Perkins and Larsen 1975	
T	Trott 2004b	
$V_6$	Verrill 1871b	

### **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&Ty

Praeaphanostoma

wadsworthi Hooge

and Tyler, 2003

Praeaphanostoma

wadsworthi Hg

Praeconvoluta tigrina

Hooge and Tyler,

2003

Praeconvoluta tigrina

Hg&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&Ty

Family Mecynostomidae

Paedomecynostomun

bruneum Dörjes,

Paedomecynostomun

bruneum Hg

Family Solenofilomorphidae

Myopea "caleum"

[undescribed, mentioned in Hg&Ty]

Myopea "caleum" Ty

### Class Rhabditophora

Superorder Macrostomorpha

Order Macrostomida

Family Macrostomidae

**Paramacrostomum** 

tricladoides Riedel.

1932

Paramacrostomum

tricladoides Ty

Order Rhabdocoela

Suborder "Typhloplanoida"

Family Trigonostomidae

Astrotorhynchus bifidus

(McIntosh, 1874)

Astrotorhynchus bifidus

Order Seriata

Suborder Proseriata

Family Coelogynoporidae

Cirrifera cirrifera Sopott,

1972

Cirrifera cirrifera R

Coelogynopora erotica

Riser, 1981

Coelogynopora erotica

Coelogynopora schulzii

Meixner, 1938

Coelogynopora schulzii

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

2004	T.J. '	Frott 277
Order Polyc	cladida	PHYLUM NEMERTEA
Suborder	Acotylea	
Superi	family Planoceroidea	Class Anopla
	nily Leptoplanidae	Order Palaeonemertea
	ubfamily Leptoplaninae	Family Cephalothricidae
	Leptoplana ellipsoides	Cephalothrix linearis
	Girard in Stimpson,	Rathke, 1799
	1853	Cephalothrix linearis R,
	Leptoplana ellipsoides	$V_{19}$
	$V_{20}$ , Wt	Procephalothrix spiralis
-	Leptoplana variabilis	Coe, 1930
	Girard, 1850	Procephalothrix spiralis
	Leptoplana variabilis	R
G	$V_{20}$	Order Heteronemertea
	ubfamily Stylochoplaninae	Family Lineidae
	Notoplana atomata O. F.	Cerebratulus lacteus Leidy
	Müller, 1776	1851
	Notoplana atomata M,	Cerebratulus lacteus L,
Cumani	O, P, Pe, R, S	P,T
	family Stylochoidea nily Latocestidae	Cerebratulus fuscus V <sub>19</sub> ,
	ubfamily Trigonoporinae	W&B <sub>2</sub> , Wt, USNM
	Trigonoporus folium	Fragilonemertes rosea
	Verrill, 1873	(Leidy, 1851)
	Trigonoporus folium V <sub>20</sub>	<sup>1</sup> Micrura leidyi P
Sı	ubfamily Phleniidae	Lineus ruber O.F. Müller,
Discocelides ellipsoides		1774
	(Girard, 1853)	Lineus ruber L, O, P, R,
	Discocelides ellipsoides	S, T, Wi
	${ m V}_{20}$	Lineus viridis O.F. Müller,
	20	1774
Voyete	the Abbreviations for	Lineus viridis R, T, V <sub>15</sub> ,
	Platyhelminthes	$V_{19}$ , Wt
	•	Micrura affinis Verrill,
Hg	Hooge 2003	1879 (or Girard in
Hg &Ty	Hooge & Tyler 2003	Stimpson, 1853)
L	Langer 1973	Micrura affinis V <sub>19</sub> , Wt
M	Meinkoth 1975	<i>Micrura dorsalis</i> Verrill,
O P	O'Brien 1972	1892
r R	Perkins and Larsen 1975 Riser 1970	Micrura dorsalis Co, V <sub>19</sub>
		Ramphogordius
S T	Spencer 1973 Trott 2004b	sanguineus (Riser,
Ty	Tyler 2000	1998)
$V_{20}$	Verrill 1892b	Myoisophagos
Wt	Whiteaves 1901	sanguineus R
***	**************************************	Lineus communis V <sub>14</sub>
		$^{2}$ Lineus socialis $V_{19}$
		Lineus socialis V 19

### Class Enopla

Order Hoplonemertea Suborder Monostilifera

Family Prosorhochmidae

# Oerstedia dorsalis

Abildgaard, 1806 Oerstedia dorsalis R Tetrastemma dorsale. variety marmoratum  $V_{19}$ 

Tetrastemma dorsale, variety unicolor V<sub>19</sub>

Family Amphiporidae

### Amphiporus angulatus

O.F. Müller, 1774 Amphiporus angulatus L,  $O, P, R, S, T, V_{19},$ W&B2, Wt <sup>3</sup>Amphiporus multisorus  $V_{19}$ 

### 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  $V_{19}$ 

# Amphiporus lactifloreus

Johnston, 1828 Amphiporus lactifloreus

### $M, R, V_{14}, V_{19}$ 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).

### Key to the Abbreviations for Nemertea

~	G 10.12
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
	Museum
$V_{14}$	Verrill 1880a
$V_{15}$	Verrill 1880b
$V_{19}$	Verrill 1892a
$W\&B_2$	Webster and Benedict
	NMNH Records
Wi	Weiss 1980
Wt	Whiteaves 1901

### PHYLUM NEMATA (NEMATODA)

# Pontonema vulgare

(Bastian, 1865) Pontonema vulgaris R

Key to the Abbreviations for Nemata

Riser 1970 R

### **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	
$Lr_3$	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

	1
Fl	Fuller 1862a
$Lr_2$	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

 $W&B_1$ 

Capitella capitata Lr,

USNM,  $W\&B_1$ 

# Heteromastus filiformis

(Claparède, 1864)

 $Heteromastus {\it filiformis}$ 

P

Notomastus capillaris

 $W&B_1$ 

# Notomastus latericeus M.

Sars, 1851

Notomastus latericeus P

Family Maldanidae

Subfamily Euclymeninae

### Clymenella torquata

(Leidy, 1855) [wrong author Verrill cited in W&B.]

 $Clymenella\,torquata\,P,$ 

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>]

 $Praxille lla\ praetermissa$ 

 $W\&B_1$ 

Sabaco elongata (Verrill,

1873)

Maldanopsis elongata Mc

Subtamily Nicomachinae	Scotopios (Lettoscotopios)
Nicomache lumbricalis	acutus (Verrill, 1873)
(Savigny 1822)	Scoloplos
[wrong author	(Leitoscoloplos)
Malmgren cited in	acutus P
$W\&B_1$ ]	Scoloplos armiger (O.F.
Nicomache lumbricalis	Müller, 1776) [wrong
$Pe, W\&B_1$	authors (Blnv.)
Subfamily Rhodininae	Oersted cited in
Rhodine loveni Malmgren,	
1865	W&B <sub>1</sub> ]
Rhodine loveni $W\&B_1$	Scoloplos armiger Pe,
Family Cossuridae	USNM, W, W&B <sub>1</sub> ,
Cossura longocirrata	$W\&B_2$
Webster and	Family Paraonidae
Benedict, 1887	Aricidea (Acesta)
Cossura longocirrata	catherinae Laubier,
USNM, $W\&B_1$ ,	1967
$W\&B_2$	Aricidea jeffreysii Lr <sub>3</sub>
Family Opheliidae	Aricidea nolani Webster
Ophelina acuminata	and Benedict, 1887
Oersted, 1843	Aricidea nolani USNM,
Ophelina acuminata $Lr_2$ ,	$W\&B_1, W\&B_2$
$Lr_3, P, S, R, T$	Aricidea quadrilobata
Ammotrypane	Webster and
aulogaster L	Benedict, 1887
Ophelina aulogastra	Aricidea quadrilobata
$W\&B_1$	Mc, USNM, W,
Travisia carnea Verrill,	W&B <sub>1</sub> , W&B <sub>2</sub>
1873	
Travisia carnea Lr <sub>2</sub> , Lr <sub>3</sub> ,	Levinsenia gracilis
M, R, T, Wi	(Tauber, 1879)
Family Orbiniidae	Paraonis gracilis Lr <sub>3</sub>
Subfamily Orbiniinae	Paraonis fulgens
Haploscoloplos fragilis	(Levinsen, 1883)
(Verrill, 1873)	Paraonis fulgens Lr
Haploscoloplosfragilis	Family Scalibregmidae
P	Scalibregma inflatum
Haploscoloplos robustus	Rathke, 1843
(Verrill, 1873)	Scalibregma inflatum
Haploscoloplos robustus	$W\&B_1, W\&B_2$
P	Scalibregma minutum
Naineris quadricuspida (O.	Webster and
Fabricius, 1780)	Benedict, 1887
Naineris quadricuspida	Scalibregma minutum
L, Lr, Mc, P, Pe, R, T,	USNM, W, W&B <sub>1</sub>
USNM, $W\&B_1$ ,	$\mathbf{convi}_1, \mathbf{w}, \mathbf{w} \mathbf{co}_1$
[variant spelling	
Naidonereis in	
$W\&B_1$ ], $W\&B_2$ , Wi	

Palpata	Family Oenonidae
Aciculata	Arabella iricolor (Montagu,
Eunicida	1804)
Family Dorvilleidae	Arabella iricolor P, T
Parougia caeca (Webster	Drilonereis longa Webster,
and Benedict, 1887)	1879
Parougia caeca R	Drilonereis longa P
Family Eunicidae	Drilonereis magna Webster
Eunice pennata (O.F.	and Benedict, 1887
Müller, 1776)	$Drilonereismagna{ m Lr}_3,$
Eunice pennata P, Pe	P, USNM, W, W&B <sub>1</sub> ,
Family Euphrosinidae	$W\&B_2$
Euphrosine borealis	Family Onuphidae
Oersted, 1843	Nothria conchylega (M.
Euphrosine borealis Pe,	Sars, 1835) [wrong
$W, USNM, W&B_1,$	author Malmgren
W&B <sub>2</sub> [varant	cited in W&B <sub>1</sub> ]
spelling	Nothria conchylega
Euphrosyne in W&B <sub>1,2</sub> ]	$W\&B_1, W\&B_2$
Family Lumbrinereidae	Onuphis conchylega Pe
Lumbrineris acicularum	
Webster and	Phyllodocida
Benedict, 1887	Family Aphroditidae
Lumbrineris acicularum	Aphrodita aculeata
USNM, W&B <sub>1</sub>	Linnaeus, 1758
[variant spelling	Aphrodita aculeata Pe,
Lumbrinereis in	$W\&B_1$
$W\&B_1$ ], $W\&B_2$	Aphrodite aculeata $V_6$
Lumbrineris fragilis (O.F.	Aphrodita hastata Moore,
Müller, 1776) [wrong	1905
author (Aud. & M.	$AphroditahastataL, Lr_3,$
Ed.) cited in $W&B_1$ ]	Pe
Lumbrineris fragilis L,	Aphrodite hastata $Lr_2$ , P,
$Lr_3$ , $Mc$ , $P$ , $W$ , $W\&B_1$ ,	S
$W\&B_2$	Laetmonice filicornis
Lumbrineris hebes Verrill,	Kinberg, 1855
1880	Laetmonice filicornis Pe
Lumbrineris hebes	Laetmonice armata
W&B <sub>1</sub> [variant	W&B <sub>1</sub> [variant
spelling Lumbrinereis	spelling Laetmatonice
in $W&B_1$ ]	of generic name in
Lumbrineris tenuis	$W\&B_1$
(Verrill, 1873)	Family Chrysopetalidae
Lumbrineris tenuis Lr <sub>3</sub> ,	Dysponetus pygmaeus
P, S	Levinsen, 1879
Ninoe nigripes Verrill, 1873	Dysponetus pygmaeus P,
Ninoe nigripes Lr <sub>3</sub> , P,	Pt, W&B <sub>2</sub>
$W\&B_1$	Taphus hebes USNM, W, $W\&B_1$ , $W\&B_2$

Family Goniadidae	Nephtys caeca (O. Fabri-	
Goniada maculata Oersted,	cius, 1780) [wrong	
1843	author Oersted cited	
Goniada maculata	in $W&B_1$ ]	
USNM, $W\&B_1$ ,	Nephtys caeca P, Pe, S,	
$W\&B_2$	T, USNM, W, Wi	
Family Glyceridae	Nephthys caeca W&B <sub>1</sub> ,	
Glycera capitata Oersted,	$W\&B_2$	
1843	Nephtys ciliata (O.F.	
Glycera capitata Lr <sub>2</sub> , Lr <sub>3</sub> ,	Müller, 1788) [wrong	
Pe	author Rathke, 1843	
Rhynchobolus capitatus	cited in W&B <sub>1</sub> ]	
W&B <sub>1</sub>	Nephtys ciliata L, P, Pe,	
Glycera dibranchiata	USNM	
Ehlers, 1868	Nephthys ciliata W&B <sub>1</sub> ,	
Glycera dibranchiata	W&B <sub>2</sub>	
	Nephtys discors Ehlers,	
Mc, P, S, T	1868	
Euglycera dibranchiatus	Nephtys discors Pe Nephthys discors W&B <sub>1</sub>	
W&B <sub>1</sub>	Nephtys incisa Malmgren,	
Family Goniadidae	1865	
Goniada maculata Oersted,	Nephtys incisa S, USNM	
1843	W, Wi	
Goniada maculata	Nephthys incisa W&B <sub>1</sub> ,	
$W\&B_1$	W&B <sub>2</sub>	
Family Hesionidae	Nephtys longosetosa	
Gyptis vittata Webster and	Oersted, 1843	
Benedict, 1887	Nephtys longosetosa Lr	
Gyptis vittata P, USNM,	Nephtys paradoxa	
$W\&B_1, W\&B_2$	Malmgren, 1874	
Microphthalmus aberrans	Nephtys paradoxa P	
(Webster and	Family Nereididae	
Benedict, 1887)	Neanthes diversicolor (O.F.	
Microphthalmus	Müller, 1776)	
aberrans P, Pt, R,	Neanthes diversicolor	
$W\&B_2$	$Lr_3$	
Podarke aberrans	Hediste diversicolor P, R	
USNM, W, W&B <sub>1</sub> ,	Nereis diversicolor Lr <sub>2</sub>	
$W\&B_2$	Neanthes virens (M. Sars,	
<sup>1</sup> Microphthalmus	1835)	
pettiboneae Riser,	Nereis grandis V <sub>6</sub> , W&B <sub>2</sub>	
2000	Nereis virens Lr <sub>2</sub> , Mc, O,	
Microphthalmus	P, Pe, R, S, USNM,	
pettiboneae R	$W\&B_1, W\&B_2$	
Family Nephtyidae	Nereis pelagica Linnaeus,	
Nephtys bucera	1761	
Ehlers,1868	Nereis pelagica L, Lr,	
Nephtys bucera Lr <sub>3</sub> , P, R	Mc, P, Pe, Pt, USNM,	
Nephtys picta Lr <sub>2</sub>	$W\&B_1, W\&B_2, Wi$	
1 V 1 L		

<i>Nereis zonata</i> Malmgren,	Phyllodoce badia
1867	Malmgren, 1867
$Nereis zonata Lr_2, Lr_3$	Phyllodoce badia W&B <sub>1</sub>
Family Pholoidae	Phyllodoce groenlandica
Pholoe minuta (O.	(Oersted, 1842)
Fabricius, 1780)	Phyllodoce groenlandica
Pholoe minuta $Lr_2$ , $Lr_3$ ,	$L, Lr_2, Lr_3, M, P$
$R, W, W\&B_1, W\&B_2$	(variant spelling P.
[wrong author	groenlandic in P), Pe,
Oersted cited in	USNM, W&B <sub>1</sub> ,
	$W\&B_2$
$W\&B_{1,2}]$	Phyllodoce maculata
Family Phyllodocidae	(Linnaeus, 1767)
Eteone flava (O. Fabricius,	Phyllodoce maculata
1780)	Lr <sub>2</sub> , Lr <sub>3</sub> , USNM,
Eteone sarsi W&B <sub>1</sub>	W&B <sub>2</sub>
Eteone heteropoda	Phyllodoce mucosa
Hartman, 1951	Oersted, 1843
Eteone heteropoda P	Phyllodoce mucosa Mc,
Eteone lactea Claparède,	USNM, W, W&B <sub>1</sub> ,
1868	$W\&B_2$
Eteone lactea M	Family Polynoidae
Eteone longa (O. Fabricius,	Subfamily Harmothoinae
1780)	Eunoe nodosa (M. Sars,
Eteone longa Lr, Lr <sub>2</sub> , Lr <sub>3</sub>	1861) [wrong author
Eteone trilineata Webster	Malmgren cited in
and Benedict, 1887	W&B <sub>1</sub> ]
Eteone trilineata Lr <sub>2</sub> , Lr <sub>3</sub> ,	$W\&B_{1}$ Eunoe nodosa $W\&B_{1}$
Pt, USNM, W, W&B <sub>1</sub> ,	
	[variant spelling Eunoa in W&B <sub>1</sub> ]
W&B <sub>2</sub>	Harmothoe nodosa Pe
Eulalia bilineata Johnston,	
1840	Eunoe oerstedi Malmgren, 1865
Eulalia bilineata USNM,	
$W, W\&B_1, W\&B_2$	Eunoe oerstedi Pe
Eulalia dubia W&B <sub>1,2</sub>	Harmothoe oerstedi Pe
Eulalia viridis (Linnaeus,	Gattyana cirrhosa (Pallas,
1767) [wrong author	1766)
Müller cited in	Gattyana cirrhosa M, P Nychia cirrosa W&B <sub>1</sub>
$W\&B_2$ ]	•
Eulalia viridis L, M, P,	Harmothoe imbricata
Pe, USNM, W, $W\&B_2$	(Linnaeus, 1767)
Mystides borealis Théel,	[wrong author
1879	Malmgren cited in
Mystides borealis P, Pt,	$W\&B_1$ ]
$W\&B_2$	Harmothoe imbricata L,
Mystides viridis USNM,	$Lr_2, Lr_3, O$ [variant
W&B <sub>1</sub> , W&B <sub>2</sub>	spelling Harmathoe in
Paranaitis speciosa	O], P, Pe, R, S, T,
(Webster, 1880)	W&B <sub>1</sub> [variant
	spelling Hamathoë in
Anaitis speciosa W&B <sub>1</sub>	$W\&B_1$ ], Wi

Lagisca extenuata (Grube,	Family Syllidae
1840)	Subfamily Autolytinae
Lagisca extenuata Lr,	Autolytus prolifer (O. F.
Lr <sub>3</sub> , R	Müller, 1788)
Harmothoe extenuata	$Autolytus\ prolifer\ L,$
Lr <sub>2</sub> , Pe, Wi [variant	USNM, $W\&B_2$
spelling H. extenuate	Autolytus varians Verrill,
in Wi]	1881
Lagisca rarispina (M. Sars,	Autolytus solitarius
1861) [wrong author	$USNM, W\&B_1,$
(Malmgren) cited in	$W\&B_2$
$W\&B_1$ ]	Autolytus verrilli
$Lagisca\ rarispina\ W\&B_{1}$	Marenzeller, 1892
Subfamily Lepidonotidae	Autolytus alexandri L,
Lepidametria commensalis	USNM, W, W&B <sub>2</sub>
(Webster, 1879)	Proceraea ornata W&B <sub>1</sub>
Lepidametria	Stephanosyllis ornata
commensalis P	$W\&B_1$
Lepidonotus squamatus	Proceraea cornuta L.
(Linnaeus, 1767)	Agassiz, 1862 Autolytus cornutus L,
[wrong author	USNM, W&B <sub>1</sub> ,
(Kinberg) cited in	$W\&B_2$
$W\&B_1$ ]	Proceraea prismatica O.
Lepidonotus squamatus	Fabricius, 1780
L, Lr <sub>3</sub> , O, P, Pe, R, S,	Autolytus prismaticus L,
T, W&B <sub>1</sub> , Wi	USNM, W, W&B <sub>2</sub>
Family Protodriloididae	Proceraea gracilis Pe,
Protodriloides cf chaetifer	$W\&B_1, W\&B_2$
(Remane, 1925)	Subfamily Eusyllinae
Protodriloides cf	Amblyosyllis cincinnata
chaetifer R	(Verrill, 1874)
Family Sigalionidae Neoleanira tetragona	<i>Amblyosyllis cincinnata</i>
(Oersted, 1845)	R
Leanira tetragona Pe	Amblyosyllis finmarchica
Family Sphaerodoridae	(Malmgren, 1867)
Ephesiella minuta	Ambly osyllis
(Webster and	finmarchica L, M, P,
Benedict, 1887)	Pt, USNM, W&B <sub>2</sub>
Ephesiella minuta P, Pt,	Pterosyllis cincinnata
$W\&B_2$	W&B <sub>1</sub> [variant
Ephesia gracilis W&B <sub>1</sub>	spelling P. cincinnatta in W&B <sub>1</sub> ]
Ephesia minuta USNM,	Streptosyllis varians
W, W&B <sub>1</sub> , W&B <sub>2</sub>	Webster and
Sphaerodorum gracilis	Benedict, 1887
USNM, W, W&B <sub>2</sub>	Streptosyllis varians P,
_	Pt, USNM, W, W&B <sub>2</sub>

Syllides benedicti Banse,	Sphaerosyllis erinaceus
1972	Claparède, 1863
Syllides benedicti R,	Sphaerosyllis erinaceus
$W\&B_2$	$W\&B_2$
Syllides convoluta Webster	Sphaerosyllis longicauda
and Benedict, 1884	USNM, W, W&B <sub>1</sub>
Syllides convoluta R,	Family Syllinae
$W\&B_1$	Ehlersia cornuta (Rathke,
Syllides eburneus Riser,	1843)
1997	Syllis cornuta L, P,
Syllides eburneus R	USNM, W, W&B <sub>2</sub>
Syllides longocirrata	Syllis pallida W&B <sub>1</sub>
(Oersted, 1845)	Syllis gracilis Grube, 1840
Syllides longocirrata	
$USNM, W, W\&B_1, \\ W\&B_2$	Syllis gracilis Lr <sub>2</sub> , Lr <sub>3</sub>
Subfamily Exogoninae	<i>Typosyllis pallida</i> (Verrill,
Eusyllis blomstrandi	1875)
Malmgren, 1867	Typosyllis pallida R
Eusyllis blomstrandi L,	Family Tomopteridae
P, Pt, USNM, W&B <sub>1</sub> ,	Tomopteris helgolandica
W&B <sub>2</sub>	Greeff, 1879
Exogone dispar (Webster,	Tomopteris helgolandica
1879)	P
Exogone dispar Lr <sub>2</sub> , Lr <sub>3</sub> ,	Tomopteris smithii V <sub>14</sub>
R, W&B <sub>2</sub>	
Exogone hebes (Webster	Aciculata incertae sedis
and Benedict, 1884)	Family Nerillidae
Exogone hebes Lr, Mc,	Mesonerilla Remane, 1949
$R, USNM, W, W&B_2$	Mesonerilla R (several
Paedophylax hebes	unidentified species)
$W\&B_1, W\&B_2$	Family Spintheridae
Exogone longicirrus	Spinther citrinus
Webster and	
	(Stimpson, 1854)
Benedict, 1887	(Stimpson, 1854)
Benedict, 1887 Paedophylax longicirris	Spinther citrinus Pe,
Benedict, 1887 Paedophylax longicirris USNM, W, W&B <sub>1</sub> ,	Spinther citrinus Pe, USNM, V <sub>6</sub> , W,
Benedict, 1887 Paedophylax longicirris USNM, W, W&B <sub>1</sub> , W&B <sub>2</sub>	Spinther citrinus Pe,
Benedict, 1887 Paedophylax longicirris USNM, W, W&B <sub>1</sub> , W&B <sub>2</sub> Exogone verugera	Spinther citrinus Pe, USNM, V <sub>6</sub> , W, W&B <sub>1</sub> , W&B <sub>2</sub>
Benedict, 1887 Paedophylax longicirris USNM, W, W&B <sub>1</sub> , W&B <sub>2</sub> Exogone verugera (Claparède, 1868)	Spinther citrinus Pe, USNM, V <sub>6</sub> , W, W&B <sub>1</sub> , W&B <sub>2</sub> Canalipalpata
Benedict, 1887 Paedophylax longicirris USNM, W, W&B <sub>1</sub> , W&B <sub>2</sub> Exogone verugera (Claparède, 1868) Exogone verugera Lr <sub>2</sub> ,	$Spinther\ citrinus\ Pe,\ USNM,\ V_6,\ W,\ W\&B_1,\ W\&B_2$ ${f Canalipal pata}\ Family\ Oweniidae}$
Benedict, 1887 Paedophylax longicirris 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>	$Spinther\ citrinus\ Pe,\ USNM,\ V_6,\ W,\ W\&B_1,\ W\&B_2$
Benedict, 1887 Paedophylax longicirris 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	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
Benedict, 1887 Paedophylax longicirris 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> ,	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>
Benedict, 1887 Paedophylax longicirris 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>	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
Benedict, 1887 Paedophylax longicirris 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	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
Benedict, 1887 Paedophylax longicirris 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	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>
Benedict, 1887 Paedophylax longicirris 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	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
Benedict, 1887 Paedophylax longicirris 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	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>
Benedict, 1887 Paedophylax longicirris 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	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>

Family Sabellidae	Spirorbis borealis Daudin,
Subfamily Fabricinae	1800
Bispira crassicornis (Sars,	Spirorbis borealis L, Lr <sub>3</sub> ,
1851)	O [misspelled as
Bispira crassicornis L,	Spirobis in $O$ ], $P$ , $S$ , $T$ ,
M, S, USNM, W&B <sub>2</sub>	Wi
Wi	Spirorbis spirillum
Sabella crassicornis P, Pe	(Linnaeus, 1758)
Sabella spetsbergensis W	Spirorbis spirillum L,
[variant spelling S.	Lr <sub>3</sub> , O [misspelled as
spitzbergensis in W],	Spirobis in O], P, T
$W\&B_1, W\&B_2$	Spirorbis violaceus
Fabricia stellaris (O.F.	Levinsen, 1883
Müller, 1774)	Spirorbis violaceus L
Fabricia sabella Lr, Mc, P	Vermilia serrula Stimpson,
Othonia fabricii W&B <sub>1</sub>	1854
Subfamily Myxicolinae	$Vermilia$ $serrula$ $W\&B_1$
Myxicola infundibulum	
(Montagu, 1808)	Spionida
Myxicola infundibulum	Family Apistobranchidae
L, M, P, Pe, R, S [mis-	Apistobranchus tullbergi
spelled as Myicola],	(Théel, 1879)
T, Wi	Apistobranchus tullbergi
Myxicola steenstrupi	W&B <sub>2</sub> [variant
Kröyer, 1856	spelling A. tulberg in
Myxicola steenstrupi Pe,	$W\&B_2$ ]
$V_6, W\&B_1$	Ethocles typicus W&B <sub>1</sub> ,
Subfamily Sabellinae	$W\&B_2$
Potamilla neglecta (M.	Family Spionidae
Sars, 1851)	Dipolydora concharum
Potamilla neglecta Pe	Verrill, 1879
Potamilla reniformis (O. F.	Dipolydora concharum
Müller, 1771) [wrong	$W\&B_1$
author Malmgren in	Polydora concharum W,
$W\&B_1$ ]	USNM, $W\&B_2$
$Potamilla\ reniform is\ L,$	[variant spelling P.
$M, P, Pe, W\&B_1$	conchara in W&B <sub>2</sub> ]
Family Serpulidae	Dipolydora quadrilobata
Subfamily Serpulinae	(Jacobi, 1883)
Filograna implexa	Dipolydora quadrilobata
Berkeley, 1828	P
Filograna implexa L, P,	Laonice cirrata (M. Sars,
R, W&B <sub>1</sub> [variant	1851)
spelling Filigrana in	Laonice cirrata $W\&B_2$
$W\&B_1$ ], Wi	Scolecolepis cirrata
Hydroides dianthus	$W\&B_1$
(Verrill, 1873)	Spionides cirratus
Hydroides dianthus $Lr_3$ ,	USNM, $W\&B_1$ ,
P	$W\&B_2$

Marenzellaria viridis	rerebellida
(Verrill, 1873)	Family Acrocirridae
Scolecolepis viridis P	Acrocirrus leidyi Verrill,
Polydora ciliata (Johnston,	1882
1838)	Acrocirrus leidyi R
Polydora ciliata P	Macrochaeta sexoculata
Polydora cornuta Bosc,	(Webster and
1802	Benedict 1887)
Polydora ligni Lr, P,	Macrochaeta sexoculata
USNM, W, W&B <sub>2</sub>	$W\&B_2$ Ledon sexoculata
Polydora gracilis Verrill,	USNM, W, W&B <sub>1</sub> ,
1880	$W\&B_2$
	Family Ampharetidae
Polydora gracilis W&B <sub>1</sub>	Subfamily Melinninae
Prionospio steenstrupi	Melinna cristata (M. Sars,
Malmgren, 1867	1851) [wrong author
Prionospio steenstrupi	Malmgren cited in
USNM, W, W&B <sub>1</sub> ,	$W\&B_1$ ]
$W\&B_2$	$Melinna\ cristata\ W\&B_1$
Pygospio elegans	Subfamily Ampharetinae
Claparède, 1863	Ampharete acutifrons
Pygospio elegans Lr, P,	(Grube, 1860)
$R, W\&B_2$	Ampharete acutifrons
Prionospio tenuis Verrill,	USNM, W&B <sub>2</sub>
1880	Ampharete cirrata Webster
Prionospio tenuis W&B <sub>2</sub>	and Benedict, 1887 Ampharete cirrata
Spio filicornis (O. F. Müller,	$W\&B_1, W\&B_2$
1776)	Ampharete trilobata
Spio filicornis Mc, W&B <sub>1</sub>	Webster and
Spio rathbuni Webster and	Benedict, 1887
Benedict, 1884	Ampharete trilobata
Spio rathbuni USNM, W,	USNM, W&B <sub>1</sub>
W&B <sub>1</sub> , W&B <sub>2</sub>	Pista maculata (Dalyell,
Spio setosa Verrill, 1873	1853)
Spio setosa Lr, P, R,	Scione lobata W&B <sub>1</sub>
USNM, W, W&B <sub>2</sub>	Sabellides octocirrata (M.
Spiophanes bombyx	Sars, 1835)
(Claparède, 1870)	Sabellides octocirrata
Spiophanes bombyx Mc	$W\&B_1$
Spiophanes wigleyi	Family Cirratulidae
Pettibone, 1962	Chaetozone setosa
	Malmgren, 1867 Chaetozone setosa
Spiophanes wigleyi Mc	W&B <sub>1</sub>
Streblospio benedicti	Cirratulus cirratus (O.F.
Webster, 1879	Müller, 1776) [wrong
Streblospio benedicti Mc,	author Malmgren
$USNM, W, W&B_1$	cited in W&B <sub>1</sub> ]
	Cirratulus cirratus
	$W\&B_1$

Family Pectinariidae

# Dodecaceria concharum Oersted, 1843 Dodecaceria concharum W&B<sub>1</sub> Dodecaceria coralii Pe Tharvx acutus Webster and Benedict, 1887 Tharvx acutus L, P, W, W&B<sub>1</sub>, W&B<sub>2</sub> Tharvx similis Webster and Benedict, 1887 Tharvx 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 Lr3 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>, $W\&B_1$ Pherusa plumosa (O.F. Müller, 1771) Trophonia plumosa W&B<sub>1</sub> Zorus sarsi Webster and Benedict, 1887 Zorus sarsi USNM, W,

 $W\&B_{1}, W\&B_{2}$ 

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Pectinaria gouldii (Verrill,
          1873)
       Pectinaria gouldii Lr<sub>3</sub>, P,
       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_1
   Sternapsis scutata (Renier,
          1807)
       Sternapsis scutata Lr<sub>3</sub>
Family Terebellidae
 Subfamily Artacaminae
   Artacama proboscidea
          Malmgren, 1866
      Artacama proboscidea
          W\&B_1
 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
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1.0.	11011	20)
Nicolea zostericola	C	Class Clitellata
(Oersted in Grube,	Sub	class Oligochaeta
1860) [wrong author	Fam	ily Tubificidae
Malmgren in W&B <sub>1</sub> ]	Subfamily Tubificinae	
Nicolea zostericola		Clitellio arenareus (O.F.
$W\&B_1$		Müller, 1776)
Subfamily Polycirrinae		
Polycirrus eximius (Leidy,	7	Clitellio arenareus R
1855)	1	Subificoides benedii
Polycirrus eximius M		(d'Udekem 1885)
[misspelled as P.		Tubificoides benedii R
eximus in M], P, R		ily Enchytraeidae
Polycirrus medusa Grube,	E	Enchytraeus albidus Henle,
1850		1837
Ereutho smitti W&B <sub>1</sub>		Enchytraeus albidus R
Polycirrus?phoshoreus	Λ	Iarionina spicula
Verrill, 1880		(Leuckart, 1887)
Polycirrus? phoshoreus		Marionina spicula R
W&B <sub>1</sub>	1Do doulto ob ou	rans, pro parte "juvenile
Subfamily Thelepinae		
Thelepus cincinnatus (O.		opthalmus aberrans, pro
Fabricius, 1780)	parte (see Ris	ser 2000).
[wrong author		
Malmgren in W&B <sub>1</sub> ]	Key to the Al	obreviations for Annelida
Thelepus cincinnatus L, P,	L	Langer 1973
Pe, W&B <sub>1</sub> , Wi [mis-	Lr	Larsen et al. 1979
spelled as T.		
cinninatus in Wi]	$\operatorname{Lr}_2$	Larsen and Doggett 1975
Thelphusa circinnata V <sub>6</sub>	$Lr_3$	Larsen 1975
Family Trichobranchidae	M	Mienkoth 1975
Terebellides stroemii M.	Mc	McCullough 1981
Sars, 1835	O	O'Brien 1972
Terebellides stroemi	P	Perkins and Larsen 1975
$W\&B_1$	Pe	Peabody Museum
Trichobranchus glacialis	Pt	Pettibone 1963
$W\&B_1$	R	Riser 1970
,, esp.	S	Spencer 1973
Canalipalpata incertae sedis	T	Trott 2004b
Family Polygordiidae	USNM	United States National
Protodriloides chaetifer	001111	Museum
	$V_6$	Verrill 1871b
Remane, 1926	$\overset{\mathbf{V}_{6}}{V_{14}}$	Verrill 1880a
Protodriloides chaetifer	$\mathbf{W}_{14}$	Webster NMNH Records
R		
	$W\&B_1$	Webster and Benedict
Polychaeta incertae sedis	MOD	1887
Family Psammodrilidae	$W\&B_2$	Webster and Benedict
Psammodrilus		NMNH Records
balanoglossoides	Wi	Weiss 1980
Swedmark, 1952		
Th. 1.11		

Psammodrilus

 $balanoglossoides\,R$ 

### 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 gordoni (Bate,

1888)

Caridion gordoni 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

Eualus pusiolus (Kröyer,

1841) Eualus pusiolus Lr<sub>2</sub>

Hippolyte pusiola Sm

Lebbeus groenlandicus (J.

C. Fabricius, 1775)

Lebbeus groenlandicus

 $L, Lr_3, P$ 

Hippolyte groenlandica

Pe, Sm

Spirontocaris

groenlandica Ra

Spirontocaris

groenlandicus L, O,

Lebbeus polaris (Sabine,

1824)

Lebbeus polaris L, P

Hippolyte polaris Sm

Spirontocaris polaris L

Spirontocaris phippsii

(Kröyer, 1841)

Spirontocaris phippsii

 $Lr_2, Lr_3, Ra$ 

Hippolyte phippsii 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,

 $Lr_2, Lr_3, P$ 

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	Cancer irroratus Say, 1817
Superfamily Nephropoidea	Cancer irroratus L, Mc,
Family Nephropsidae	$P, R, T, V_6, Wi$
Homarus americanus H.	Section Brachyrhyncha
Milne Edwards, 1837	Superfamily Portunoidea
Homarus americanus L,	Family Portunidae
P, R	Carcinus maenas
Infraorder Anomura	(Linnaeus, 1758)
Superfamily Paguroidea	Carcinus maenas L, P, R,
Family Paguridae	T, Wi
Pagurus acadianus	Superorder Peracarida
Benedict, 1901	Order Mysidacea
Pagurus acadianus L, P,	Family Mysidae
R, S, T	Mysis gaspensis Tattersall,
Pagurus arcuatus Squires,	1954
1964	Mysis gaspensis Bo, Lr, P
Pagurus arcuatus L, M	Mysis mixta Lilljeborg,
Pagurus longicarpus Say,	1852
1817	Mysis mixta P, Pe, T,
Pagurus longicarpus P,	USNM
R	Mysis stenolepis Smith,
Pagurus pubescens Kröyer,	1873
1838	Mysis stenolepis Lr, P
Pagurus pubescens Lr <sub>2</sub> ,	Praunus flexuosus (O.F.
Lr <sub>3</sub> , P, S	Müller, 1776)
Infraorder Brachyura	Praunus flexuosus P
Section Oxyrhyncha	Order Cumacea
Superfamily Majoidea	Family Bodotriidae
Family Majidae	Mancocuma stellifera
Hyas araneus (Linnaeus,	Zimmer, 1943
1758)	Mancocuma stellifera P
Hyas araneus P, R, T	Family Leuconidae
	Leucon nasicoides
Hyas coarctatus Leach, 1815	
	(Lilljeborg, 1855) Leucon nasicoides Ra,
Hyas coarctatus Fl, L, P, Wi	Sm
VV I <b>Libinia dubia</b> H. Milne	
	Family Diastylidae
Edwards, 1834 <i>Libinia dubia</i> P	Diastylis lucifera (Kröyer,
	1841)
<i>Libinia emarginata</i> Leach,	Diastylis lucifera Sm
1815	Diastylis quadrispinosa
Libinia emarginata P, R	G.O. Sars, 1871
Section Cancridea	Diastylis quadrispinosa
Superfamily Cancroidea	Pe, T
Family Cancridae	Diastylis sculpta G.O. Sars,
Cancer borealis Stimpson,	1871
1859	Diastylis sculpta Sm
Cancer borealis L, P, R,	[variant spelling D.
T	sculptus in Sm]

Order Isopoda	Suborder Gnathiidea
Suborder Anthuridea	Family Gnathiidae
Family Anthuridae	Caecognathia elongata
Calathura brachiata	(Kröyer, 1849)
(Stimpson, 1853)	Gnathia cerina Pe,
Calathura brachiata Pe,	USNM, Rc
Rc	Suborder Oniscidea
Parathura brachiata Pe	Family Philosciidae
Cyathura polita (Stimpson,	Philoscia vittata (Say,
1856)	1818)
Cyathura polita Lr <sub>3</sub> , Pe	Philoscia vittata Lr
Ptilanthura tenuis (Harger,	Suborder Valvifera
1878)	Family Idoteidae
Ptilanthura tenuis Lr <sub>2</sub>	Chiridotea caeca (Say,
Suborder Asellota	1818)
	Chiridotea caeca Lr, Mc,
Family Janiridae	P, R, S [mis-spelled as
Jaera albifrons Leach, 1814	C. ceca in S]
sensu lato <sup>1</sup>	Chiridotea tuftsii
Jaera albifrons USNM	(Stimpson, 1853)
Jaera copiosa Pe	Chiridotea tuftsii H <sub>2</sub> , Lr,
Jaera marina L, P, R, T	Lr <sub>2</sub> , Lr <sub>3</sub> , R, Ra, Rc
Janira alta (Stimpson,	<i>Edotia triloba</i> (Say, 1818)
1853)	Edota triloba (Say, 1818) Edotea triloba Lr <sub>2</sub> , Lr <sub>3</sub> , P.
$JaniraaltaH_2, Pe, Rc$	Pe, R
Family Munnopsidae	*
Munnopsis typica M. Sars,	Edotea montosa Pe, Rc,
1860	USNM
$Munnopsis typica H_2$	Epelys montosus H <sub>2</sub> , Pe
Family Munnidae	<i>Idotea balthica</i> (Pallas, 1772)
Munna fabricii Kröyer,	
1846	Idotea balthica L, O, P, R <b>Idotea metallica</b> Bosc, 1802
Munna fabricii H, Ra	
Suborder Epicaridea	Idotea metallica R
Family Bopyridae	Idotea phosphorea Harger,
Bopyroides hippolytes	1873
(Kröyer, 1838)	Idotea phosphorea L, O,
Bopyroides hippolytes	P, Pe, R, T
Rc, USNM	Order Amphipoda
Suborder Flabellifera	Suborder Hyperiidea
Family Limnoriidae	Family Hyperiidae
Limnoria lignorum	Hyperia galba Montagu,
(Rathke, 1799)	1813
	Hyperia galba Ho, Pe, Ra
Limnoria lignorum L Family Cirolanidae	Hyperia medusarum (O.F.
Politolana concharum	Müller, 1776)
	Hyperia medusarum
(Stimpson, 1853)	medusarum Pe
Cirolana concharum P	Themisto compressa Goës,
Politolana polita	1866
(Stimpson, 1853)	Parathemisto compressa
Cirolana polita H, Ra	P

Family Corophiidae

Suborder Gammaridea

Family Acanthonotozomatidae	Corophium volutator
Acanthonotozoma	(Pallas, 1766)
serratum (O.	Corophium volutator G <sub>2</sub> ,
Fabricius, 1780)	L, Mc, P
A can tho notozoma	Crassicorophium bonnellii
serratum Pe	(Milne-Edwards,
Family Ampeliscidae	1830)
Ampelisca macrocephala	Corophium bonnellii Lr <sub>2</sub> ,
Lilljeborg, 1852	Lr <sub>3</sub>
Ampelisca	Crassicorophium
$macrocephala { m Lr}_2,$	crassicorophiam
$Lr_3, Mc, Pe$	(Bruzelius, 1859)
Ampelisca vadorum Mills,	Crassicorophium
1963	crassicorne Lr <sub>3</sub>
Amplesca vadorum $Lr_2$ ,	
Lr <sub>3</sub>	Corophium crassicorne
Byblis gaimardi (Kröyer,	R
1846)	Monocorophium
Byblis gaimardi Ho	insidiosum
Byblis serrata Smith, 1873	(Crawford, 1939)
Byblis serratus Pe	Corophium insidiosum R
Haploops setosa Boeck, 1870	Family Dexamine
	Dexamine thea Boeck,
Haploops setosa Pe	1861
<i>Haploops tubicola</i> Lilljeborg, 1855	Dexamine thea $Lr_2$ , $Lr_3$
Haploops tubicola Pe	Family Epimeriidae
Haploops spinosa Lr <sub>3</sub>	Epimeria loricata G. O.
Family Ampithoidae	Sars, 1879
Ampithoe rubricata	Epimeria loricata Ho
(Montagu, 1808)	Paramphithoe hystrix (J. C.
Ampithoe rubricata Lr,	Ross, 1835)
M, P, Pe, R	Paramphithoe hystrix Pe
Family Aoridae	Acanthozone cuspidata
Leptocheirus pinguis	Но
(Stimpson, 1853)	Family Eusiridae
Leptocheirus pinguis L,	Eusirus cuspidatus Kröyer,
Lr <sub>3</sub> , P, Pe	1845
Unciola inermis Shoe-	Eusirus cuspidatus Pe
maker, 1945	Pontogeneia inermis
Unciola inermis Pe	(Kröyer, 1838)
Unciola irrorata Say, 1818	Pontogeneia inermis Pe
<i>Unciola irrorata</i> Lr <sub>2</sub> , Lr <sub>3</sub> ,	Family Gammarellidae
Pe, R	Gammarellus angulosus
Family Calliopidae	(Rathke, 1843)
Calliopius laeviusculus	
(Kröyer, 1838)	Gammarellus angulosus
Calliopius laeviusculus	Pe, R
P, Pe	

Family Gammaridae Erichthonius rubricornis **Eulimnogammarus** obtusatus (Dahl, 1938)  $Lr_3$ Marinogammarus obtusatus Lr Gammarus annulatus Smith, 1873 Gammarus annulatus Ra Gammarus lawrencianus Bousfield, 1956 Pe Gammarus lawrencianus Lr. Pe 1903 Gammarus oceanicus Jassa falcata R Segerstrale, 1947 Family Lysianassidae Gammarus oceanicus Lr, Hippomedon serratus Mc, O, P, Pe, R, S Gammarus setosus Dementieva, 1931  $Lr_2, Lr_3$ Gammarus setosus Pe Marinogammarus finmarchicus (Dahl, Orchomene 1938) Marinogammarus finmarchicus Lr Family Hyalidae Hyale prevostii (Milne-Edwards, 1830) Hyale nilssoni Pe Family Isaeidae Gamaropsis melanops G.  $Lr_2, Lr_3$ O. Sars, 1882 Family Melitidae Eurystheus melanops Pe Gammaropsis maculata 1853) Pe Gammaropsis nitida Megamoera dentata (Stimpson, 1853) Podoceropsis nitida H, Pe, Ra Family Melphidippidae Photis reinhardi Kröyer, 1842 1929) Photis reinhardi Pe Family Ischyroceridae Pe Erichthonius difformis Melphidippa goesi Milne-Edwards, 1830 Erichthonius difformis

Pe

(Stimpson, 1853) Erichthonius rubricornis Ischyrocerus anguipes Kröver, 1838 Ischyrocerus anguipes  $Lr_2, Lr_3, Pe$ Ischyrocerus megacheir (Boeck, 1870) Ischyrocerus megacheir Jassa marmorata Holmes, Holmes, 1903 Hippomedon serratus Orchomene macroserrata Shoemaker, 1930 macroserrata Pe Orchomenella minuta (Kröyer, 1846) Orchomenella minuta Lr<sub>2</sub>, Lr<sub>3</sub>, Pe Orchomenella pinguis (Boeck, 1861) Orchomenella pinguis Maera danae (Stimpson, Maera danae Ho, Pe, Ra (Kröyer, 1842) Melita dentata Lr<sub>2</sub>, Lr<sub>3</sub> Casco bigelowi (Blake, Casco bigelowi Lr2, Lr3, Stebbing, 1899 Melphidippa spinosa Ho,

Ra

Family Oedicerotidae	Family Stenothoidae
Deflexilodes intermedius	Metopa alderi (Bate, 1857)
(Shoemaker, 1930)	Metopa alderi Pe
Monoculodes interme-	Metopa glacialis (Kröyer,
$\operatorname{dius} \operatorname{Lr}_2, \operatorname{Lr}_3$	1842)
Paroediceros lynceus (M.	Metopa glacialis Pe
Sars, 1858)	Metopa groenlandica
Paroediceros lynceus Ho	(Hansen, 1887)
Family Phoxocephalidae	Metopa groenlandica
Harpinia plumosa (Kröyer,	Ho, Ra
1842)	Metopa solsbergi
Harpinia plumosa Pe	Schneider, 1884
Harpinia propinqua G. O.	Metopa solsbergi Pe
Sars, 1891	Proboloides holmesi
Harpinia propinqua Lr <sub>2</sub> ,	Bousfield, 1973
Lr <sub>3</sub> , Pe	Proboloides holmesi Pe
Phoxocephalus holbolli	Family Synopiidae
(Kröyer, 1842)	Syrrhoe crenulata Goës,
Phoxocephalus holbolli	1866
Lr <sub>2</sub> , Lr <sub>3</sub>	Syrrhoe crenulata Ra
Family Pleustidae	Family Talitridae
Pleustes panoplus (Kröyer,	Orchestia gammarella
1838)	(Pallas, 1766)
Pleustes panoplus Ho,	Orchestia gammarella
Pe, Ra	Pe
Pleusymtes glaber (Boeck,	Platorchestia platensis
1861)	(Kröyer, 1845)
Sympleustes glaber Ra	Orchestia platensis Lr
Stenopleustes inermis	Family Uristidae
Shoemaker, 1949	Anonyx lilljeborgi (Boeck,
Stenopleustes inermis	1870)
Lr <sub>2</sub> , Lr <sub>3</sub>	Anonyx lilljeborgi $Lr_2$ ,
Family Podoceridae	$\operatorname{Lr}_3$
Dyopedas porrecta Bate,	Gronella groenlandica
1857	(Hansen, 1887)
Dulichia porrecta Ho, Ra	Orchomenella
Family Pontoporeiidae	groenlandica Pe
Amphiporeia lawrenciana	Suborder Caprellidea
Shoemaker, 1929	Family Caprellidae
Amphiporeia	Aeginina longicornis
lawrenciana Pe	(Kröyer, 1842)
Family Stegocephalidae	Aeginina longicornis Lr
Stegocephalus inflatus	Aeginella longicornis
Kröyer, 1842	Ho, P, Pe
Stegocephalus inflatus	Aegina longicornis spinifera Ra
Ho, Ra	-
110,114	Aegina longicornis spinosissima Ra
	SDIHOSISSIHIA KA

### Caprella linearis

(Linnaeus, 1767)

Caprella linearis Ho,

 $Lr_2, Lr_3, Pe, R, Ra$ 

### Caprella penantis Leach,

1814

Caprella penantis P

Caprella acutifrons R

Caprella geometrica O

### Caprella septentrionalis

Kröyer, 1838

 ${\it Caprella \, septentrionalis}$ 

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.

 $Lr_2, O, P, R, S,$ 

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

Bruguière, 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,

 $W_2$ 

# Nymphon hirtipes Bell,

1855

*Nymphon hirtipes* Lr<sub>2</sub>,

 $Lr_3$ 

# $Nymphon\ longitarse$

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,

 $Lr_3, W, W_2$ 

Family Tanystylidae

Tanystylum orbiculare

Wilson, 1878

Tanystylum orbiculare

W

Bο

 $V_{o}$ 

W

 $W_2$ 

Wi

Family Phoxichilidiidae
Anoplodactylus lentus
Wilson, 1878
Anoplodactylus lentus
$He, M, P, W, W_2$
Phoxichilidium femoratum
(Rathke, 1799)
Phoxichilidium
femoratum L, P, R, S,
T, USNM
Phoxichilidium
maxillare $W_2$
Family Pycnogonidae
Pycnogonum littorale
(Ström, 1762)
Pycnogonum littorale
$He, L, Lr_3, M, P, S, T,$
$USNM, W_2, Wi$
Family Pallenidae
Pseudopallene circularis
(Goodsir, 1842)
Pseudopallene circularis
He
Pseudopallene discoidea
(Kröyer, 1844)
Pseudopallene discoidea
$W, W_2$
Pseudopallene hispida
(Stimpson, 1853)
Pseudopallene hispida
$W, W_2$

#### **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

praehirsuta 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 Bousfield 1972

DO	Doustield 1972
$G_2$	Gilbert 1977b
Н	Harger 1880a
$H_2$	Harger 1880b
He	Hedgpeth 1948
Но	Holmes 1905
L	Langer 1973
Lr	Larsen et al. 1979
$Lr_2$	Larsen and Doggett 1975
$Lr_3$	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
	Museum
$V_6$	Verrill 1871b

Verrill 1873

Wilson 1878

Wilson 1880

Weiss 1980

<sup>&</sup>lt;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 Lr2

Family Hanleyidae

Hanleya dalli Kaas, 1957

Lepidopleuridea carinata

#### Hanleya mendicaria

(Mighels and Adams,

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,

 $Lr_2, M, O, P, Pe, S, R,$ 

T, Wi

Chiton laevigatus Mg

Chiton marmoreus Fl, V<sub>6</sub>

Tonicella marmorea

coerulea J, J,

# 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,

 $Lr_3$ , 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,

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 helicinus

(Phipps, 1774)

 $Margarites helicinus G_1$ ,

 $L, Lr_2, P, Pe, R, T$ 

Margarita campanulata

Margarita helicina Fl,

Fl<sub>2</sub>, Pe

Margarites helicina J

Margarites olivaceus	Littorina littorea (Linnaeus,
(Brown, 1827)	1758)
Margarites olivaceus Pe	Littorina littorea Fl, Fl <sub>2</sub> ,
Margarites olivacea J	L, Mc, O, P, Pe, R, S,
<sup>1</sup> Margarites striatus Leach,	T, USNM, Wi
1819	Lacuna littoralis Pe
	Littorina obtusata
Margarita undulata Fl,	(Linnaeus, 1758)
$Fl_2, V_6$	Littorina obtusata L, Lr,
Margarita groenlandica	Mc, O, P, Pe, R, S
Pe	[misspelled as L.
Margarites groenlandica	obstusata in S], T,
J, L, M, P, Pe [mis-	USNM, Wi
spelled as M.	Littorina palliata Pe
groenlandicus in Pe],	Littorina saxatilis (Olivi,
R, S [misspelled as	1792)
M.groenlandiens in	<i>Littorina saxatilis</i> L, Lr
S],Wi [misspelled as	[mis-spelled as L.
M.groenlandicus in	saxatilus in Lr], Mc, P
Wil	[misspelled as L.
Solariella obscura	saxatilus in P], Pe, S,
(Couthouy, 1838)	R, T, USNM, Wi
Solariella obscura J, Wt	Littorina rudis Fl, Fl <sub>2</sub> , Pe
Machaeroplax obscura	Family Skeneopsidae
	Skeneopsis planorbis (O.
var. bella $V_{17}$	Fabricius, 1780)
Margarita obscura Pe	Skeneopsis planorbis J,
Solariella obscura var.	L, Lr, Mc, P, Pe, T
bella J, Wt	Skenea planorbis J, Pe
Family Calliostomatidae	Family Rissoidae
Calliostoma occidentale	Alvania pseudoareolata
(Mighels and Adams,	(Warén, 1974)
1842)	Alvania areolata L, P
Calliostoma occidentale	Alvania (Cingula)
$J, L, Lr_2, M, P, Pe, T$	areolata Lr <sub>2</sub>
Order Neotaenioglossa	Frigidoalvania pelagica
Family Turritellidae	(Stimpson, 1851)
Tachyrhynchus erosus	Cingula carinata J <i>Onoba aculeus</i> (Gould,
(Couthouy, 1838)	1841)
Turritella erosa J, Pe, T	Onoba aculeus J, L, Lr,
Family Littorinidae	Lr <sub>2</sub>
Lacuna pallidula (da Costa,	<sup>2</sup> Onoba mighelsii
1778)	(Stimpson, 1851)
,	Onoba mighelsii T
Lacuna pallidula P, Pe	Alvania arenaria L, P
Lacuna pallidula	Alvania (Cingula)
neritoidea J	arenaria (exarata) Lr <sub>2</sub>
Lacuna vincta (Montagu,	Alvania (Cingula)
1803)	castanea Lr <sub>2</sub> , Lr <sub>3</sub>
Lacuna vincta L, Lr, P,	Cingula arenaria J
Pe, R, S, T, Wi	Cingula castanea J, $V_{12}$ ,
	$V_{17}$

Family Hydrobiidae	Family Lamellariidae
Hydrobia truncata	Marsenina ampla Verrill,
(Vanatta, 1924)	1880
Hydrobia totteni L, P, Pe	$Marsenina$ ampla $J, J_2,$
Hydrobia (Paludestrina)	$ m V_{16}$
totteni (minuta) Lr <sub>2</sub>	Marsenina glabra
Littorinella minuta Pe	(Couthouy, 1838)
Family Aporrhaididae	Marsenina glabra J, P,
Aporrhais occidentalis	$V_6, V_{17}, Wt$
(Beck, 1836)	Marsenina prodita J, $V_6$
Aporrhais occidentalis	Family Naticidae
$L, P, Pe, V_6$	Bulbus smithii (Brown,
Aporrhais (Arrhoges)	1839)
occidentalis J	,
Family Calyptraeidae	Bulbus smithii Pe
Crepidula fornicata	Acrybia smithii J
(Linnaeus, 1758)	Cryptonatica affinis
Crepidula fornicata L,	(Gmelin, 1791)
Lr <sub>3</sub> , R, T	Natica affinis Pe
Crepidula plana (Say, 1822)	Natica clausa L, P, Pe, St
Crepidula plana P	Natica (Cryptonatica)
Creptanta ptanta I Crucibulum striatum (Say,	clausa J
1826)	Euspira heros (Say, 1822)
Crucibulum striatum Fl,	Lunatia heros V <sub>6</sub> , Pe
J, L, P, Pe, R, S	Polinices heros L, Lr,
[misspelled as	Mc, P, S, V, Wi
Crucibilum in S]	Euspira immaculata
Family Capulidae	(Totten, 1835)
Trichotropis borealis	Euspira immaculata Lr <sub>3</sub>
Broderip and	Lunatia (Polinices)
Sowerby, 1829	immaculata Lr <sub>2</sub> , Pe
Trichotropis borealis J,	Mamma immaculata Pe
L, Pe	Natica immaculata St
Trichotropis conica Möller,	
1842	Polinices (Euspira)
Trichotropis conica L, P	immaculata J
Family Velutinidae	Euspira levicula (Verrill,
³ <b>Limneria undata</b> (T.	1880)
Brown, 1839)	Lunatia levicula Pe, V <sub>6</sub> ,
Velutina undata $J, L, P, S$	${ m V}_{16}, { m V}_{17}$
Velutina zonata P	Polinices (Euspira)
Limneria zonata Pe	levicula J
Velutina velutina (O.F.	Euspira nana (Möller,
Müller, 1776)	1842)
Velutina haliotoides Fl,	Lunatia nana $ m V_{6}$
Pe	Mamma nana Pe
Velutina laevigata J, L,	Polinices (Euspira) nana
M, P, R, Wi	J
Velutina laevigata	
(velutina) Pe	

1.5. 1	301
Euspira pallida (Broderip	Order Neogastropoda
and Sowerby, 1829)	Family Muricidae
Lunatia (Polinices)	Boreotrophon clathratus
pallida (groenlandica)	(Linnaeus, 1767)
${ m G_4}$	Boreotrophon clathratus
Lunatia groenlandica Pe	L,P
Euspira triseriata (Say,	Trophon clathratus Fl, J
1826)	Boreotrophon truncatus
Lunatia triseriata Fl	(Ström, 1768)
Lunatia (Polinices)	Boreotrophon truncatus
triseriata $G_4$ , $Lr_2$ , $Pe$ ,	Pe
$V_8$	Boreotrophon (Trophon)
Polinices triseriata L, M,	truncatus Lr <sub>2</sub>
P, Wi	Trophon truncatus J, Pe
Neverita duplicata (Say,	Nucella lapillus (Linnaeus,
1822)	1758)
Polinices duplicatus P	Nucella lapillus L, Lr,
Family Cerithiopsidae	Mc, P, Pe, R, T, Wi
Eumetula arctica (Mörch,	Purpura lapillus Fl, Fl <sub>2</sub> ,
1857)	$Pe, V_6$
Cerithiopsis costulata J,	Thais lapillus O, Pe
$J_2$	Urosalpinx cinerea (Say,
Family Epitoniidae	1822)
Acirsa borealis (Lyell,	Urosalpinx cinerea P
1841)	Scabrotrophon fabricii
Acirsa borealis V <sub>8</sub>	(Möller, 1842)
Acirsa costulata Pe	Boreotrophon
Acirsa eschrichtii V <sub>6</sub>	craticulatus Lr <sub>3</sub>
Epitonium (Acirsa)	Family Turbinellidae
costulatum J <sub>2</sub>	Ptychatractus ligatus
<sup>4</sup> Couthouyella striatula	(Mighels and Adams,
(Couthouy, 1838)	1842)
Couthouyella striatula J	Ptychatractus ligatus J,
Epitonium greenlandicum	Pe, USNM
(Perry, 1811)	Fasciolaria ligata Fl
Epitonium	Family Buccinidae
greenlandicum L	Buccinum ciliatum (O.
[misspelled as	Fabricius, 1780)
Epitoneum in L], P, T	Buccinum ciliatum Lr <sub>3</sub>
Boreoscala greenlandica	<b>Buccinum polaris</b> Gray,
R	1839
Epitonium (Arctoscala)	Buccinum totteni Lr <sub>3</sub>
greenlandicum J	Buccinum undatum
Scalaria groenlandica Fl,	(Linnaeus, 1758)
$Pe, V_6$	Buccinum undatum Bo,
Family Aclididae	Fl, Fl <sub>2</sub> , J, L, M, P, Pe,
Aclis striata Verrill, 1880	$R, S, St, T, USNM, V_6$
Aclis striata J, $V_{16}$ , $V_{17}$	Wi
- / - 10/ - 1/	Buccinum undulatum Pe

#### Colus islandicus (Mohr, Mitrella dissimilis L, Lr<sub>2</sub>, 1786) Mitrella zonalis zonalis Fusus islandicus Fl, Fl<sub>2</sub> Neptunea islandica Pe $J_2$ Sipho islandicus V<sub>6</sub> Astyris rosaceus (Gould, Tritonium islandicum St Colus pubescens (Verrill, Columbella rosacea Pe 1882) Columbella (Astyris) Colus pubescens Lr<sub>3</sub> rosacea J Colus pygmaeus (Gould, Mitrella rosacea Pe 1841) Family Cancellariidae Colus pygmaeus J, L, P, Admete viridula (O. Pe. S Fabricius, 1780) Admete couthouyi J, Pe Fusus pygmaeus Fl Neptunea pygmaea Pe Family Turridae Sipho pygmaeus V<sub>6</sub> Curtitoma decussata Siphonella pygmaea Pe (Couthouy, 1839) Tritonium pygmaeum St Bela decussata J Colus stimpsoni (Mörch, Bela tenuicostata V<sub>6</sub> Bela pleurotomaria var. 1868) Colus stimpsoni L, M, P, tenuicostata V<sub>17</sub> Pe, R, S, Wi Lora tenuicostata J<sub>2</sub> Curtitoma incisula (Verrill, Colus stimpsonii J Neptunea lyrata 1882) Bela incisula J, V<sub>17</sub>, Wt decemcostata (Say, 1826) Curtitoma violacea Neptunea lyrata (Mighels and Adams, decemcostata Lr3, T 1842) Chrysodomus Bela bicarinata J, V<sub>17</sub> decemcostatus V<sub>6</sub> Bela bicarinata var. Fusus decemcostatus Fl, violacea J, V<sub>17</sub> Oenopota bicarinata Pe Neptunea decemcostata Oenopota cancellata J, L, M, P, Pe, S, R,(Mighels and Adams, V15, Wi 1842) Neptunea lyrata Pe Bela cancellata J, V<sub>17</sub>, V<sub>18</sub> Family Nassariidae Oenopota pingelii (Möller, Nassarius trivittatus (Say, 1842) 1822) Oenopota pingelii Lr<sub>2</sub> Bela pingelii J, V<sub>16</sub>, V<sub>17</sub> Alectrion (Tritia) trivittata J Oenopota pyramidalis Nassa trivittata Fl (Ström, 1788) Bela pleurotomaria J, Pe, Tritia trivittata Pe Family Columbellidae $V_{17}, V_{18}$ Astyris lunata (Say, 1826) Lora pleurotomaria L, P Astyris lunata Lr<sub>3</sub> Propebela exarata (Möller, Columbella dissimilis Pe 1842) Columbella (Astyris) Bela exarata Pe

dissimilis J

Propebela harpularia	Order Acochlidioidea
(Couthouy, 1838)	Family Microhedylidae
Propebela harpularia St	Hedylopsis riseri M.P.
Bela harpularia J, $V_{17}$ ,	Morse, 1976
$V_{18}$ , $Wt$	<sup>6</sup> Hedylopsis riseri R
Propebela nobilis (Möller,	Unela nahantensis Doe,
1842)	1974
$Propebela nobilis Lr_2$	Unela nahantensis R
Bela nobilis J	Order Gymnosomata
<sup>5</sup> Lora turricula L, P	Family Clionidae
<sup>5</sup> Propebela turricula L, P	Clione limacina (Phipps,
Propebela scalaris (Möller,	1774)
1842)	Clione limacina L, P
Bela scalaris J, Pe, V <sub>17</sub> ,	Order Nudibranchia
Wt	Suborder Doridacea
Order Heterostropha	Family Goniodorididae
Family Malthildidae	Ancula gibbosa (Risso,
Turritellopsis stimpsoni	1818)
Dall, 1919	,
Turritellopsis acicula J	Ancula gibbosa P, Pe, T Ancula cristata K, L,
Family Pyramidellidae	USNM
Eulimella polita (Verrill,	
1872)	Family Onchidorididae
Aclis polita $V_7, V_8$	Acanthodoris pilosa
Eulimella ventricosa V <sub>6</sub>	(Albildgaard, 1789)
Pyramidella (Eulimella)	Acanthodoris pilosa J, K
ventricosa J <sub>2</sub>	L, M, P, Pe, R, S [mis-
Turbonilla	spelled as A. ilosa in
(Ptycheulimella)	S],T
polita J, J <sub>2</sub>	Acanthodoris citrina V <sub>4</sub> ,
Fargoa bartschi (Winkley,	$V_{12}$
1909)	Acanthodoris ornata
Odostomia modesta $J_2$ <b>Menestho albula</b> (O.	USNM [misspelled a
Fabricius, 1780)	A. ornate in
Menestho albula Pe	USNM],V <sub>8</sub>
Turbonilla nivea	Acanthodoris stellata V <sub>1</sub>
(Stimpson, 1851)	Adalaria pilosa pilosa ${ m J}_2$
Turbonilla nivea Pe	Doris bifida $V_4, V_7$
Order Cephalaspidea	Adalaria proxima (Alder
Family Cylichnidae	and Hancock, 1854)
<i>Cylichna alba</i> (T. Brown,	Adalaria proxima Go, J,
1827)	$J_2, USNM, V_8, V_{12}$
Cylichna alba Go, J, Lr <sub>3</sub> ,	Onchidoris bilamellata
Pe, T	(Linnaeus, 1776)
Family Philinidae	Onchidoris bilamellata
<b>Philine lima</b> (T. Brown,	R,T
1825)	Onchidoris fusca K, L, C
Philine lima Pe	[misspelled as
Family Retusidae	Onchidorus in O], Wi
Retusa obtusa (Montagu,	[misspelled as
1803)	Ochidoris in Wi]
Retusa obtusa Go	

Onchidoris grisea (Gould,	Family Dotonidae
1870)	<sup>7</sup> <b>Doto coronata</b> (Gmelin,
Onchidoris grisea $J_2, V_4$	1791)
Lamellidoris grisea J	Doto coronata K, L, P
Onchidoris muricata (O.F.	Doto formosa Verrill, 1875
Müller, 1776)	Doto formosa Go, J, Pe,
Doris pallida Pe	$V_8$ , Wt
Lamellidoris aspera O, J	Family Flabellinidae
Lamellidoris diaphana J,	Flabellina gracilis (Alder
$V_8$	and Hancock, 1844)
Lamellidoris muricata J,	
$V_8$	Coryphella stellata K
Onchidoris aspera $J_2$ , $K$ ,	Eolis stellata Pe
L, P, S [misspelled as	Flabellina nobilis (Verrill,
O. aspersa in $J_2$ , $K$ , $L$ ,	1880)
P, S], Wi	Coryphella nobilis K, L,
Onchidoris diaphana $J_2$ ,	$\mathrm{Lr}_2$
$V_{12}$	<i>Flabellina pellucida</i> (Alder
Onchidoris muricata $J_2$ ,	and Hancock, 1843)
$V_{12}$	Coryphella pellucida K,
Onchidoris tenella (Gould,	P
1870)	Coryphella rutila $J$ , $J_2$ ,
Onchidoris tenella $J_2, V_4$	$V_8, V_{12}$
Lamellidoris tenella J	Flabellina salmonacea
Family Polyceratidae	(Couthoy, 1838)
Palio dubius (M. Sars,	Flabellina salmonacea
1829)	L, S, R
Polycera dubius K, P, R	Coryphella salmonacea
Family Chromodorididae	K, P, V <sub>16</sub>
Cadlina laevis (Linnaeus,	Coryphella stimpsoni L,
1767)	S, USNM
Cadlina laevis K, L, Pe,	Cuthona stimpsoni K,
R, T, USNM, Wi	$V_{12}$ , Wt
Doris repanda Pe, V <sub>12</sub>	Flabellina verrucosa (M.
Suborder Dendronotacea	Sars, 1829)
Family Dendronotidae	Flabellina verrucosa R
Dendronotus frondosus	Coryphella mananensis
(Ascanius, 1774)	Wt
Dendronotus frondosus	
K, L, O [misspelled as	Coryphella
D. frondosa in O], Pe,	rufibranchialis O, Wi
S, R, T, Wi Dendronotus	Coryphella
arborescens Fl	rufibranchialis
Dendronotus reynoldsii	mananensis USNM
Pe	Coryphella verrucosa
Dendronotus robustus	rufibranchialis K, L
Verrill, 1870	Eolis mananensis Pe
Dendronatus rabustus I	

 $L, P, V_7$ 

Suborder Aeolidacea	Family Aeolidiidae
Family Eubranchidae	Aeolidia papilosa
Eubranchus exiguus	(Linnaeus, 1761)
(Alder and Hancock,	Aeolidia papilosa J
,	[misspelled as A.
1848)	papillosa in J], K, L,
Eubranchus exiguus K, P	O, P, Pe [misspelled
[variant spelling E.	as A. papillosa in
exigua in P]	Pel, R, S, T
Eubranchus pallidus	Eolis farinacea Pe
(Alder and Hancock,	Order Archeopulmonata
1842)	Family Ellobiidae
Eubranchus pallidus Go,	Myosotella myosotis
K, L	(Draparnaud, 1801)
Eubranchus sanjuanensis	Ovatella (alexia)
Roller, 1972	myosotis Lr <sub>2</sub>
<sup>8</sup> Eubranchus	myosotis Li <sub>2</sub>
sanjuanensis Go	Class Bivalvia
Eubranchus tricolor	Order Solemyoida
	Family Solemyidae
Forbes, 1838	Solemya velum Say, 1822
Eubranchus tricolor Go	Solemya velum 3ay, 1822 Solemya velum T
Family Tergipedidae	Order Nuculoida
Catriona gymnota	Family Nuculidae
(Couthoy, 1838)	Nucula delphinodonta
Catrena (Catriona)	Mighels and Adams,
aurantia K, L	1842
Cuthona concinna (Alder	Nucula delphinodonta
and Hancock, 1843)	Fl, Wt
Cuthona concinna K, L,	Nucula proxima Say, 1822
O, Wi [misspelled as	Nucula proxima L, P, T
Cuthonia in Wi]	Nucuta proxima 2,1,1
Cuthona viridis (Forbes,	
1840)	Lr <sub>2</sub> Family Nuculanidae
Cratena viridis K, L	Nuculana tenuisulcata
Tergipes tergipes (Forskål,	(Couthouy, 1838)
1775)	Nuculana tenuisulcata
· · · · · · · · · · · · · · · · · · ·	USNM
Tergipes tergipes L	Leda tenuisulcata St
Tergipes despectus J	Family Sareptidae
[misspelled as	Megayoldia thraciae formis
Terigipes in J] $J_2$ , K, P	(Storer, 1838)
Family Facelinidae	Yoldia thraciaeformis J
Cratena pilata (Gould,	Yoldia limatula (Say, 1831)
1870)	Yoldia limatula J, L, P
Cratena pilata K, L	Leda limatula St
Facelina bostoniensis	
(Couthoy, 1838)	<i>Yoldia myalis</i> (Couthoy, 1838)
Facelina bostoniensis K,	Yoldia myalis Fl, Pe
L, R	Leda myalis St
· · · · · · · · · · · · · · · · · · ·	Leda IIIyalis St

Yoldia sapotilla (Gould,	Order Ostreoida
1841)	Family Pectinidae
$Yoldia\ sapotilla\ Fl, Lr_2$	Chlamys islandica (O.F.
Leda sapotilla St	Müller, 1776)
Order Mytiloida	Chlamys islandica L
Family Mytilidae	Chlamys islandicus M, P
Crenella decusata	Chlamys islandica
(Montagu, 1808)	islandica USNM
Crenella decusata J, Lr <sub>2</sub> ,	Pecten islandicus Fl, St,
T	$V_6$
Mytilus decussatus St	Pecten (Chlamys)
Crenella glandula (Totten,	islandica J
1834)	Placopecten magellanicus
Crenella glandula J, L, P,	(Gmelin, 1791)
Pe, T	Placopecten
Geukensia demissa	magellanicus L, M, P,
(Dillwyn, 1817)	R, S, T
Modiolus demissus P, Pe	Pecten magellanicus Mg
Mytilus edulis Linnaeus,	Pecten (Placopecten)
1758	magellanicus J
Mytilus edulis L, Lr, Mc,	Pecten tenuicostatus Fl,
$O, P, Pe, R, S, T, V_6,$	$V_6$
Wi	Family Anomiidae
Mytilus trossulus Gould,	Anomia simplex d'Orbigny
1850	1842
Mytilus trossulus Ma,	Anomia simplex L, O, P,
Rw	R, T, Wi [mis-spelled
Musculus discors	as Anomie in Wi]
(Linnaeus, 1767)	Anomia squamula
Musculus discors $G_2$ , L,	Linnaeus, 1758
M, P, Pe, R, T, Wi	Anomia squamula Pe, T
Modiolaria corrugata Fl	Anomia aculeata L, Lr, P
Modiolaria discors Fl, Fl <sub>2</sub>	R, Wi
Mytilus corrugatus St	Order Veneroida
Musculus niger (J.E. Gray,	Family Thyasiridae
1824)	Thyasiria equalis (Verrill
Musculus niger $G_2$ , L,	and Bush, 1898)
$Lr_2, P, Pe, T, Wi$	Thyasira equalis J
Modiolaria nigra V <sub>6</sub>	Thyasira equalis s Thyasira flexuosa
Modiolus modiolus	(Montagu, 1803)
(Linnaeus, 1758)	Thyasira flexuosa L, Lr <sub>2</sub>
Modiolus modiolus L, P,	Cryptodon gouldii Fl
Pe, S, R, T, Wi	
Modiola modiolus	Thyasina triainy ata
$USNM, V_6$	Thyasira trisinuata
Order Limoida	(d'Orbigny, 1842)
Family Limidae	Cryptodon obesus V <sub>8</sub>
Limatula subauriculata	Family Lasaeidae
(Montagu, 1808)	Mysella planulata
Limatula subauriculata	(Stimpson, 1851)
L	Rochefortia planulata J

Family Carditidae	Family Cardiidae
Cyclocardia borealis	Cerastoderma pinnulatum
(Conrad, 1831)	(Conrad, 1831)
Cyclocardia borealis	Cerastoderma
$Lr_2, Pe, T$	pinnulatum L, Lr <sub>2</sub> , P,
Cardita borealis Fl, L,	R, T
Mg, P, R, S, St,	Clinocardium ciliatum (O.
USNM [misspelled as	Fabricius, 1780)
C. bonalis in USNM]	Clinocardium ciliatum
Venericardia	
(Cyclocardia)	L, Lr <sub>2</sub> , M, P
borealis J	Cardium (Cerastoderma) ciliatum J
Cyclocardia novangliae (E.	
S. Morse, 1869)	Cardium islandicum St
Cyclocardia novangliae	Family Mactridae
$Lr_2$	Mactromeris polynyma
Venericardia	(Stimpson, 1860)
(Cyclocardia)	Spisula (Hemimactra)
novangliae J	polynyma J
Family Astartidae	Mactra ponderosa St
Astarte borealis	Family Pharidae
(Schumacher, 1817)	Ensis directus Conrad, 1843
Astarte borealis $G_3$ , L,	Ensis directus T
$Lr_2, P, S$	Family Tellinidae
Astarte semisulcata Fl	Macoma balthica
Astarte castanea (Say,	(Linnaeus, 1758)
1822)	Macoma balthica L, Lr,
Astarte castanea $G_3$ , L,	Mc, P, Pe, T
$Lr_2, P, Pe, R, S$	Macoma calcarea (Gmelin,
Astarte lens $V_6, V_8$	1791)
Astarte crenata (J. E. Gray,	Macoma calcarea J
1824)	Tellina proxima St
Astarte crenata Pe	Tellina agilis Stimpson,
Astarte quadrans V <sub>8</sub>	1857
Astarte subaequilatera $G_3, J, L, P$	Tellina agilis Lr <sub>2</sub> , S
Astarte elliptica (T. Brown,	Family Veneridae
1827)	Gemma gemma (Totten,
Astarte elliptica $G_3$ , L,	1834)
Lr <sub>2</sub> , P	
Astarte undata Gould, 1841	Gemma gemma P
Astarte undata G <sub>3</sub> , J, L, P,	Pitar morrhuanus Linsley,
Pe, R, T, V <sub>6</sub> , V <sub>8</sub> , V <sub>15</sub>	1848
Astarte undata latisulca J	Callista convexa Fl, $V_{10}$
Astarte sulcata St	Callocardia (Agriopoma)
Family Arcticidae	morrhuana J
Arctica islandica	Family Petricolidae
(Linnaeus, 1767)	Petricolaria pholadiformis
Arctica islandica L, P	(Lamark, 1818)
Cyprina islandica J	Petricolaria
J.1	pholadiformis P

Order Myoida	Thracia myopsis Möller,
Family Myidae	1842
Mya arenaria Linnaeus,	Thracia myopsis J
1758	Thracia couthouyi St
Mya arenaria Fl, Fl <sub>2</sub> , L,	Thracia septentrionalis
Lr, Mc, P, Pe, R, S, T,	Jeffreys, 1872
V <sub>6</sub> , Wi	Thracia septentrionalis J
Mya truncata Linnaeus,	Family Periplomatidae
1758	Periploma leanum (Conrad
Mya truncata $FI$ , $G_4$ , $J$ , $L$ ,	1831)
$M, P, Pe, St, T, V_6, Wi$	Periploma
Family Hiatellidae	(Conchlodesma)
<i>Hiatella arctica</i> (Linnaeus,	leanum J
1767)	Family Cuspidariidae
Hiatella arctica L, O, P,	Cuspidaria pellucida
Pe, T, Wi	Stimpson, 1853
Saxicava arctica USNM, $V_6$	Cuspidaria pellucida J
Hiatella striata Fleuriau,	Class Scaphopoda
1802	Order Dentaliida
$Hiatellastriata\mathrm{L,P,T}$	Family Dentaliidae
Panomya norvegica	Antalis entale occidentale
(Spengler, 1793)	Stimpson, 1851
Panomya arctica J	Dentalium entale Pe
Family Pholadidae	Dentalium entalis J
Zirfaea crispata (Linnaeus,	Dentalium occidentale J
1758)	
Zirfaea crispata J, P, S	Entalis striolata Fl, Pe,
Pholas crispata St	$V_6, V_{15}$
Order Pholadomyoida	Class Caphalanada
Family Lyonsiidae	Class Cephalopoda
Lyonsia arenosa (Möller,	Order Sepiodea
1842)	Family Ommastrephidae
Lyonsia arenosa J, Lr <sub>2</sub>	Illex illecebrosus (Lesueur,
Lyonsia hyalina Conrad,	1821)
1831	Illex illecebrosus P,
Lyonsia hyalina Fl, L, P,	USNM
R	Ommastrephes
Family Pandoridae	illecebrosa J
Pandora gouldiana Dall,	Order Vampyromorpha
1886	Family Octopodidae
Pandora gouldiana Lr <sub>2</sub>	Bathypolypus bardii
Pandora inornata Verrill	(Verrill, 1873)
and Bush, 1898	Polypus arcticus J
Pandora inornata Lr <sub>2</sub>	
Pandora trilineata Say,	
1822	UNCERTAIN RECORDS
Pandora trilineata Fl, St	Order Neotaenioglossa
Family Thraciidae	Family Epitoniidae
Thracia conradi Couthoy,	<sup>9</sup> Epitonium rupicola
1839	(Kurtz, 1860)
Thracia conradi J, L, St,	Epitonium rupicola Wi

T

Order Neogastropoda Family Terebridae <sup>10</sup>Terebra dislocata (Say, 1822) Terebra dislocata Mg Order Heterostropha Family Pyramidellidae

11 Turbonilla bushiana Verrill 1882

Turbonilla bushiana L. P

<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 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.).

Key to the Abbreviations for Mollusca

Key to the Ab	obreviations for Mollusca
Во	Bousfield 1972
Fl	Fuller 1862a
$Fl_2$	Fuller 1862b
$G_1$	Gilbert 1977a
$G_2$	Gilbert,1977b
$G_3$	Gilbert 1982a
$G_4$	Gilbert 1982b
Go	Gosliner 1971
J	Johnson 1915
$J_2$	Johnson 1934
K	Kuzirian 1977
L	Langer 1973
$Lr_2$	Larsen and Doggett 1975
$Lr_3$	Larsen 1975
M	Meinkoth 1975
Ma	Maloy et al. 2003
Mc	McCollough 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
	Museum
$V_4$	Verrill 1870
$V_6$	Verrill 1871b
$V_7$	Verrill 1872a
$V_8$	Verrill 1872b
$V_{10}$	Verrill 1874
$V_{12}$	Verrill 1879a
$V_{15}$	Verrill 1880b
$V_{16}$	Verrill 1881
$V_{17}$	Verrill 1882
$V_{18}$	Verrill 1883
Wi	Weiss 1980
Wt	Whiteaves 1901

#### **PHYLUM ECTOPROCTA**

## Class Gymnolaemata

Order Cheilostomatida

Family Bugulidae

Bugula fulva Ryland, 1960

 $\textit{Bugula fulva} \, \mathbf{Wn}$ 

Bugula turrita (Desor,

1848)

Bugula turrita P, R, S

Dendrobeania decorata

(Verrill, 1879)

Bugula decorata  $V_{13}$ 

Dendrobeania murrayana

(Johnston, 1847)

Dendrobeania

murrayana L, P, Pe,

R, T

Family Calloporidae

 $Amphible strum\ auritum$ 

(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

Turbic ellepora

canaliculata (Busk,

1881)

Turbicellepora

canaliculata L

Family Cribrilinidae

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)

C.::-:---1

Crisia eburnea Pe, R Family Lichenoporidae

Disporella hispida

(Fleming, 1822)

1 1 1 1

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,

> 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

Posterula sarsi (Smitt.

1868)

<sup>7</sup>Eschara lobata Pe

<sup>1</sup>In part (J. Winston, Virgina 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 Abreviations 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
$V_{13}$	Verrill 1879b
Wi	Weiss 1980

#### PHYLUM BRACHIOPODA

#### Class Articulata

Order Terebratulida

Fl

Family Cancellothyridae

Terebratulina

septentrionalis

(Couthoy, 1838)

Terebratulina

septentrionalis Fl, L,  $Lr_2$ , M, O, P, Pa, Pe, R,

S, St, T, V<sub>6</sub>, V<sub>15</sub>, Wi

# Key to the Abbreviations for Brachiopoda Fuller 1862a

L	Langer 1973
$Lr_2$	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

 $V_6$ Verrill 1871b  $V_{15}$ Verrill 1880b

Wi Weiss 1980

#### PHYLUM ECHINODERMATA

#### Class Holothuroidea

Order Dendrochirotida

Family Psolidae

Psolus fabricii (Düben and

Koren, 1846)

Psolus fabricii L, P, Pe

Lophothuria fabricii V<sub>6</sub>

## Psolus phantapus

(Strussenfeldt, 1766)

Psolus phantapus L, P,

 $V_1, V_6, Wt$ 

Family Cucumariidae

## Cucumaria frondosa

(Gunnerus, 1770)

Cucumaria frondosa L,

O, P, Pe, R, S, T, WiPentacta frondosa Fl,  $V_1$ ,

 $V_6$ 

#### Duasmodactyla commune

(Forbes, 1841)

Duasmodactyla

commune L

#### Thyonidium drummondi

(Thompson, 1840)

Thyonidium productum

 $Cl, V_1, V_6$ 

Order Apodida

Family Synaptidae

#### Epitomapta roseola

(Verrill, 1874)

Leptosynapta roseola

 $Lr_2, P, R$ 

#### Rhabdomolgus fuscus

Keferstein, 1863

Rhabdomolgus fuscus R

Family Chiridotidae

## Chiridota laevis (O.

Fabricius, 1780)

Chiridota laevis Fl, L, Lr,

P, R, S [misspelled

Chirodotal, T,

V<sub>1</sub>[variant spelling

Chirodota laeve in

 $V_1$ ,  $V_6$  [variant

spelling Chirodota

leve in V<sub>6</sub>], Wi

[variant spelling

Chirodota laevis in

37.7

Wi]

#### Class Echinoidea

Order Echinoida

Family Strongylocentrotidae

Strongylocentrotus

droebachiensis (O.F.

Müller, 1776)

Strongylocentrotus

droebachiensis L, Lr<sub>2</sub>,

I .. O D D- D C T

 $Lr_3$ , O, P, Pe, R, S, T,

V<sub>15</sub>, Wi [misspelled as

Stronglocentrotus 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

 $Lr_2, Lr_3$ 

#### Hippasteria phrygiana

(Parelius, 1768)

Hippasteria phrygiana

L, P, R, S [misspelled

as Hippasterias in S]

as mippasterias ili 5]

Order Spinulosida

Family Solasteridae

# Crossaster papposus

(Linnaeus, 1766)

Crossaster papposus L,

 $Lr_3$ , Pe, R,  $V_6$ 

Solaster papposus Fl, Lr<sub>2</sub>,

P, S

Solaster endeca (Linnaeus,

1771)

Solaster endeca Fl, L, O,

 $P, Pe, R, S, T, V_6, Wi$ 

Family Pterasteridae	Leptasterias muelleri (Sars,
Pteraster militaris (O. F.	1846)
Müller, 1776)	Lept asterias muelleri P,
Pteraster militaris L, P,	Pe
$Pe, R, V_6$	Lepasterias tenera
Pteraster pulvillus M. Sars,	(Stimpson, 1862)
1861	Lepasterias tenera L, P,
Pteraster pulvillus L	Pe, R, T, Wi
Family Echinasteridae	Asterias tenera S, V <sub>1</sub>
Henricia eschrichti (Müller	Stephanasterias albula
and Troschel, 1842)	(Stimpson, 1863)
Henricia eschrichti Pe	Stephanasterias albula
Henricia oculata (Pennant,	L, V <sub>6</sub>
1777)	Stichaster albulus Cl, V <sub>1</sub>
Cribella oculata Fl	Class Ophiuroidea
Henricia sanguinolenta	Order Phrynophiurida
(O.F. Müller, 1776)	Family Gorgonocephalida
Henricia sanguinolenta	Gorgonocephalus arcticus
L, Lr <sub>2</sub> , O, Pe, R, S, T,	Leach, 1819
E, Er <sub>2</sub> , O, Te, R, S, T, Wi	Gorgonocephalus
Cribrella pectinata Cl	arcticus L, P, Pe, S
Cribrella sanguinolenta	Astrophyton agassizii Fl,
Pe, $V_1$ , $V_6$	$V_{1}, V_{6}, V_{15}$
Order Forcipulatida	Order Ophiurida
Family Asteriidae	Family Ophiuridae
Asterias forbesi (Desor,	<i>Ophiura robusta</i> (Ayres,
1848)	1861)
Asterias forbesi P, R, S,	Ophiura robusta L, Lr <sub>2</sub> ,
	Lr <sub>3</sub>
T, V <sub>1</sub>	Ophioglypha robusta $V_1$ ,
Asterias rubens Linnaeus,	V <sub>6</sub>
1768	Ophiolepis robusta Fl,
Asterias rubens L, O, T	Fl <sub>2</sub>
Asteria a stimur a ni V	<i>Ophiura sarsi</i> (Lütken, 1864)
Asterias stimpsoni $V_1$	Ophioglypha sarsii $V_1$ ,
Asterias vulgaris P, Pe,	$V_6$
$R, S, V_1, V_6, V_{15}, Wi$	Family Ophiodermatidae
Uraster rubens St <sub>1</sub>	Ophiacantha bidentata
Leptasterias littoralis	(Retzius, 1806)
(Stimpson, 1863)	Ophiacantha spinulosa
Leptasterias littoralis L,	$V_6$
P, Pe, R, T, Wt	Family Ophiactidae
Asteracanthion littoralis	Ophiopholis aculeata
Fl	(Linnaeus, 1767)
Asterias littoralis Pe, $V_1$ ,	Ophiopholis aculeata L,
$V_6, V_{21}$	O, P, R, S, V <sub>1</sub> , V <sub>6</sub> , Wi
	[misspelled as
	Ophipholus in Wi]

# Family Amphiuridae 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 L

Key to the Abbreviations for Chaetognatha L Langer 1973

#### UNCERTAIN RECORDS

Order Forcipulatida
Family Asteriidae

\*\*Leptasterias
groenlandicus
(Steenstrup, 1867)
Leptasterias
groenlandicus Wi

<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	
$Lr_2$	Larsen and Doggett 1975	
$Lr_3$	Larsen 1975	
O	O'Brien 1972	
P	Perkins and Larsen 1975	
Pa	Packard 1867	
R	Riser 1970	
S	Spencer 1973	
$St_1$	Stimpson 1851a	
T	Trott 2004b	
$V_1$	Verrill 1866	
$V_6$	Verrill 1871b	
$V_{15}$	Verrill 1880b	
$V_{21}$	Verrill 1895	
Wi	Weiss 1980	
Wt	Whiteaves 1901	

## 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

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

 $V_7$ , Wt

Family Didemnidae

## Didemnum albidum

(Verrill, 1871)

Didemnum albidum L, P,

Pe, R, VN, Wi

Didemnium roseum Pa

Leptoclinum albidum Pe,

Wt

Leptoclinum luteolum Pe

#### Lissoclinum aureum

Verrill, 1871

Lissoclinum aureum  $V_7$ ,

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, Fl2,

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 diegense Ritter

and Forsyth, 1917

Botrylloides diegense R

*Botryllus schlosseri* (Pallas, 1776)

Botryllus schlosseri L,

 $Lr_2$ , O, P, R

Cnemidocarpa mollis

(Stimpson, 1852)

Glandula mollis Pe

#### Dendrodoa carnea (L.

Agassiz, 1850)

Dendrodoa carnea L, M,

P, Pe, R, T, Wi

Cvnthia 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,	K
1767)	]
${\it BolteniaoviferaL,M,P,}$	1
Pe, R, S, T, Wi	1
Boltenia bolteni Pe, V <sub>15</sub>	]
Boltenia bolteni var.	]
rubra Pe	]
Boltenia reniformis Fl,	(
$\mathrm{Fl}_2,\mathrm{V}_6$	]
Halocynthia pyriformis	]
(Rathke, 1806)	
Halocynthia pyriformis	,
L, M, O, P, Pe, R, S, T,	]
Wi, Wt	,
Cynthia pyriformis Fl, $V_6$	,
Family Molgulidae	,
Bostrichobranchus	,
<i>pilularis</i> (Verrill,	,
1871)	1
Bostrichobranchus	,
pilularis R	1
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>	
<i>Molgula complanata</i> Alder	
and Hancock, 1870	
$Molgulacomplanata Lr_2,$	
$Lr_3, VN$	
Molgula papillosa Pe, V <sub>5</sub> ,	
$V_7$	
Molgula manhattensis	
(DeKay, 1843)	
Molgula manhattensis P	
1 1 1 4 4°C ·	

*Molgula retortiformis*Verrill, 1871

 $Molgula\ retortiformis$  Pe,  $V_5$ ,  $V_6$ , VN  $Molgula\ siphonalis$  Sars, 1859  $Molgula\ siphonalis$  Pe, VN Mogula\ pannosa  $V_5$ 

Key to the Abbreviations for Chordata	
Fl	Fuller 1862a
$Fl_2$	Fuller 1862b
L	Langer 1973
$Lr_2$	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
$V_5$	Verrill 1871a
$V_6$	Verrill 1871b
$V_7$	Verrill 1872a
$V_{14}$	Verrill 1880a
$V_{15}$	Verrill 1880b
Wi	Weiss 1980
VN	van Name 1945
Wt	Whiteaves 1901

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