

Checklist of the Cnidarian medusae (Jellyfish) and Ctenophorans (Comb Jellies) of British Columbia

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This is a preliminary checklist of the members of the phyla Cnidaria and Ctenophora that have mobile pelagic or epipelagic life stages (jellyfish and comb jellies). These form a significant portion of what is known as the **gelatinous zooplankters**. There was a great deal of inconsistency in the published literature, especially in higher level taxonomy. I opted to use Peter Schubert's (2005) classification as that seemed to be in agreement with more recent classification schemes. I relied heavily on the Jelly Zone (<http://jellieszone.com/>) and the Integrated Taxonomic Information System (www.itis.gov) for lower level taxonomies. When the ITIS database differed from Jelly Zone I deferred to the latter.

This list is undoubtedly far from complete. Kozloff (1996) lists many species not on this list. These species are likely to occur in BC, but I could not find any direct references or collection data to substantiate. It is my hope that this list will be used as a starting point for a comprehensive list.

Phylum Cnidaria Hatscheck, 1888

Class Scyphozoa Götte, 1887

Order Semaestomea Agassiz, 1862

Family Pelagiidae Gegenbaur, 1856

Genus *Chrysaora* Péron and Lesueur, 1809

C. fuscescens Brandt, 1835

C. melanaster Brand, 1835

Family Cyaneidae Agassiz, 1862

Genus *Cyanea* Péron and Lesueur, 1809

C. capillata (Linnaeus, 1758)

Family Ulmaridae Haeckle, 1880

Genus *Aurelia* Lamarck, 1816

A. labiata Chamisso and Eysenhardt, 1821

A. limbata Brandt, 1835

Genus *Phacellophora* Brandt, 1835

P. camtschatica Brandt, 1835

Genus *Tiburonia* Matsumoto, Raskoff, and Lindsay, 2003

Tiburonia granrojo Matsumoto, Raskoff, and Lindsay, 2003

Class Staurozoa Marques and Collins, 2004

- Order Stauromedusae Haeckle, 1979
 - Family Lucernariidae Haeckle, 1879
 - Genus *Haliclystus* Clark, 1863
 - H. stejnegeri* Kishinouye, 1899
 - Family Depastridae Haeckle, 1879
 - Genus *Manania* Clark, 1863
 - M. gwilliami* Larson and Fautin, 1989
 - M. handi* Larson and Fautin, 1989
 - M. distincta* (Kishinouye, 1910)

Class Hydrozoa Owen, 1843

- Subclass Trachylinae Haeckle, 1879
 - Order Trachymedusae Haeckle, 1879
 - Family Ptychogastridae Mayer, 1910
 - Genus *Ptychogastria* Allman, 1878
 - P. polaris* Allman, 1878
 - Family Rhopalonematidae Russell, 1953
 - Genus *Aglantha* Haeckle, 1879
 - A. digitale* (Muller, 1776)
 - Genus *Crossota* Vanhöffen, 1902
 - C. rufobrunnea* (Kramp, 1913)
 - Genus *Pantachogon* Maas, 1893
 - P. haeckeli* Maas, 1893
 - Order Narcomedusae Haeckle, 1879
 - Family Aeginidae Eschscholtz, 1829
 - Genus *Aegina* Eschscholtz, 1829
 - A. citrea* Eschscholtz, 1829
 - Family Cuninidae Eschscholtz, 1829
 - Genus *Solmissus* Haeckle, 1879
 - S. marshalli* Agassiz and Mayer, 1902
 - Order Limnomedusae Kramp, 1938
 - Family Olindiidae Haeckle, 1879
 - Genus *Eperetmus* Bigelow, 1915
 - E. typus* Bigelow, 1915
 - Genus *Gonionemus* Agassiz, 1862
 - G. vertens* Agassiz, 1862
 - Subclass Leptolinae Haeckle, 1879
 - Order Anthomedusae Eschscholtz, 1829
 - Family Corymorphidae Allman, 1872
 - Genus *Plotocnide* Wagner, 1885
 - P. borealis* Wagner, 1885
 - Family Euphysidae
 - Genus *Euphysa* Forbes, 1848
 - E. flammea* (Linko, 1905)
 - E. japonica* (Maas, 1909)
 - E. vervooti* Brinckmann-Voss & Arai, 1997

- Family Tubulariidae Fleming, 1828
 Genus *Hybocodon* Agassiz, 1862
H. prolifer Agassiz, 1862
- Family Velellidae Brandt, 1835
 Genus *Velevella* Linnaeus, 1758
V. velevella Linnaeus, 1758
- Family Corynidae Johnston, 1836
 Genus *Sarsia* Lesson, 1843
S. princeps (Haeckle, 1879)
S. apicula (Murboch and Shearer, 1902)
S. tubulosa (Sars, 1835)
S. viridis Brinckmann-Voss, 1980
S. cliffordi Brinckmann-Voss, 1989
S. japonica (Nagao, 1962)
S. eximia (Allman, 1859)
S. spp. (undescribed, at least two from B.C. Brinckmann-Voss, 1989)
- Family Cladonematidae Gegenbauer, 1857
 Genus *Cladonema* Dujardin, 1843
C. californicum Hyman, 1947
- Family Bythotiaridae Maas, 1905
 Genus *Bythotiarara* Gunther, 1903
B. depressa Naumov, 1960
B. huntsmanni Fraser, 1911)
 Genus *Calycopsis* Fekes, 1882
C. bigelowi Vanhoffen, 1911
C. nematophora Bigelow, 1913
- Family Halimedusidae Arai & Brinckmann-Voss, 1980
 Genus *Halimedusa* Bigelow, 1916
H. typus Bigelow, 1916
- Family Pandeidae Haeckle, 1879
 Genus *Amphinema* Haeckle, 1879
A. platyhedos Arai & Brinckmann-Voss, 1983
 Genus *Geomackiea* Mills, 1985
G. zephyrolata Mills, 1985
 Genus *Pandea* Lesson, 1843
P. rubra Bigelow, 1913
 Genus *Stomotoca* Agassiz, 1862
S. atra Agassiz, 1862
 Genus *Neoturris* Hartlaub, 1913
N. breviconis (Murbach & Shearer, 1902)
 Genus *Leukartiara*
L. foersteri Arai & Brinckmann-Voss, 1980
 Genus *Catablema* Haeckle, 1879
C. nodulosa (Bigelow, 1913)
- Family Polyorchidae Agassiz, 1862

- Genus *Polyorchis* Agassiz, 1862
 - P. pencillatus* (Eschscholtz, 1829)
- Order Leptomedusae Eschscholtz, 1829
 - Family Campanulariidae Haeckle, 1879
 - Genus *Obelia* Péron and Lesueur, 1810
 - O. dichotoma* (Linnaeus, 1758)
 - O. longissima* (Pallas, 1766)
 - Genus *Clytia* Lamouroux, 1812
 - C. gregaria* (Agassiz, 1862)
 - Family Aequoreidae
 - Genus *Aequorea* Péron and Lesueur, 1809
 - A. victoria* (Murbach & Shearer, 1902)
 - Family Eirenidae Haeckle, 1879
 - Genus *Eutonina* Hartlaub, 1897
 - E. indicans* (Romanes, 1876)
 - Family Melicertidae Haeckle, 1879
 - Genus *Melicertum* Agassiz, 1862
 - M. octocostatum* (Sars, 1835)
 - Family Laodiceidae
 - Genus *Ptychogena*
 - P. californica* Torrey, 1909
 - P. lactea* Agassiz, 1865
 - Family Mitrocomidae Haeckle, 1879
 - Genus *Mitrocoma* Haeckle, 1864
 - M. cellularia* (Agassiz, 1865)
 - Genus *Foersteria* Arai & Brinckmann-Voss, 1980
 - F. purpurea* (Foerster, 1923)
- Order Siphonophora Eschscholtz, 1829
 - Family Agalmatidae
 - Genus *Agalma* Eschscholtz, 1825
 - A. elegans* (Sars, 1846)
 - Genus *Nanomia* Agassiz, 1865
 - N. bijuga* (delle Chiaje, 1841)
 - Family Diphyidae Quoy and Gaimard, 1827
 - Genus *Chelophyes* Totton, 1932
 - C. appendiculata* (Eschscholtz, 1829)
 - Genus *Dimophyes* Moser, 1925
 - D. arctica* (Chun, 1897)
 - Genus *Lensia* Totton, 1932
 - L. conoidea* (Keferstein and Ehlers, 1860)
 - Family Prayidae Kölliker, 1853
 - Genus *Praya* de Blainville, 1834
 - P. dubia* (Quoy and Gaimard, 1827)
 - P. reticulata* (Bigelow, 1911)

Phylum Ctenophora Eschscholtz, 1829

Class Nuda Chun, 1879
 Order Beroida Eschscholtz, 1825
 Family Beroidae Eschscholtz, 1825
 Genus *Beroe* Gronov, 1760
B. cucumis Fabricius, 1780

Class Tenctaculata Eschscholtz, 1825
 Order Lobata Eschscholtz, 1825
 Family Bolinopsidae Bigelow, 1912
 Genus *Bolinopsis* Agassiz, 1860
 Family Leucotheidae Krumbach, 1925
 Genus *Leucothea* Mertens, 1833
L. pulchra Matsumoto, 1988

Order Cydippida Gegenbauer, 1856
 Family Euplokamididae Mills, 1988
 Genus *Euplokamis* Chun, 1879
E. dunlapae Mills, 1987
 Family Mertensiidae Agassiz, 1860
 Genus Unknown
 Undescribed species found in BC fjords, 100-600 meters
 (Wrobel)

Sources

- Brinckmann-Voss A. and Arai M. N. (1997) Further notes on the Leptolida (Hydrozoa: Cnidaria) from Canadian Pacific Waters. *Leiden Zoologische verhandelingen* 323(31):37-68.
- Carlton J. T. (ed) (2007) *The Light and Smith Manual, Intertidal Invertebrates from Central California to Oregon*, Fourth edition.
- Kozloff, E. N. (1996) *Marine Invertebrates of the Pacific Northwest with additions and corrections*. University of Washington Press, Seattle WA. 539 pp.
- Lamb A. and Hanby P. H. (2005) *Marine Life of the Pacific Northwest*. Harbor Publishing, Madeira Park, BC. 398 pp.
- Schuchert, Peter (2005): The Hydrozoa Directory - Hydrozoan Phylogeny and Classification. <http://www.ville-ge.ch/mhng/hydrozoa/intro/phylogeny.htm>
- Wrobel, David. *Pacific Coast Gelatinous Zooplankton* <http://www.ville-ge.ch/mhng/hydrozoa/intro/phylogeny.htm>